

TA-30 Online Manual

Contents

Using This Online Manual
Trademarks and Licenses
Sending Information To Canon. 40
Handling and Use of Paper
Paper
Types of Paper
Paper Sizes
. Using Paper Other Than Genuine Paper and feed confirmed Paper
Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings 49
Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type 50
Updating paper information
Handling rolls
Loading Rolls on the Roll Holder
Loading Rolls in the Printer
Loading Rolls in the Printer
Changing the Type of Paper
Specifying the Paper Length
Removing the Roll from the Printer
Removing Rolls From the Roll Holder
Feeding Roll Paper Manually
Keeping Track of the Amount of Roll Paper Left
Specifying the Ink Drying Time for Rolls. 77
Specifying the Cutting Method for Rolls
Cutting the Leading Edge of Roll Paper Automatically
Reducing Dust from Cutting Rolls
Detecting Roll Paper was Replaced While the Power was Off
Handling sheets
Loading Sheets in the Printer
Printing From a Desired Starting Point
Removing Sheets
Basket
Using the Basket

Changing Settings from Operation Panel/Web Browser 1	
Operations and Touch Screen.	106
Operation Panel.	107
Touch Screen.	. 109
Checking Instructions During Printer Operations.	113
Changing Settings from Operation Panel.	115
Printer Menu Operations.	116
Menu Operations.	118
Menu Structure.	121
Advanced (Paper settings).	137
Advanced (LAN settings).	139
Changing Settings from Operation Panel.	142
Setting Items on Operation Panel.	144
Job management	145
Test print	146
Print settings.	147
HP-GL/2 Settings	148
Web service setup	149
LAN settings	150
Other device settings	158
Language selection.	160
Paper-related settings.	161
Auto maintenance settings	163
Administrator password setting.	164
Setting Administrator Password on Operation Panel.	165
Monitoring service settings.	167
Printer information.	168
HP-GL/2 Settings	148
Menus on HP-GL/2 print settings.	170
Color mode.	171
Print quality.	172
Input resolution.	173
Print target	
Paper src.	175

Margin	. 176
Oversize	177
Conserve paper.	181
Rotate	. 183
Auto rotation.	. 184
Enlarge/Reduce	186
Print centered.	. 189
Cut to standard size	191
Mirror.	. 193
Merge.	195
Smooth	. 196
Thicken fine lines.	197
Adjust faint lines.	198
Width correction.	199
Print color list for palettes.	. 201
Warning display.	202
Detect image size.	. 203
Select palette.	204
Define palette.	205
Pen 0 to Pen 15.	206
Reset palette	. 207
Menu Setting Combinations.	209
Conserve paper and Auto rotation.	210
Enlarge/Reduce (Scaling) and Auto rotation.	. 212
Print centered and Cut to standard size	. 213
Cut to standard size and Auto rotation and Enlarge/Reduce (Fit paper size)	. 215
Detect image size and Oversize	. 218
Detect image size and Print centered.	. 220
Standard Size Table.	. 221
Status Print.	. 223
Changing Printer's Setting Using Web Browser.	. 225
Configuration Changes Using Web Browser	. 226
Changeable Setting Items Using Web Browser.	
Setting Password.	
Registering Printer's Root Certificate to Web Browser for SSL Communication (Remote UI)	
Registering Printer's Root Certificate to Local Computer for SSL Communication.	. 237

C	Generating Server Certificate (Self-signed Certificate)	243
S	Setting Mail Server	246
F	Receiving Printer Status by E-mail	248
Printer F	Parts	50
Printe	er Parts	251
F	Front	252
S	Side	254
T	Гор Cover (Inside)	255
V	Where to Attach the Roll Holder	257
C	Carriage	258
l	nk Tank Cover (Inside)	259
5	Stand	260
Optic	onal accessories	261
F	Roll Holder Set	262
5	Stand	260
Network	Setting 2	64
Netw	vork Connection Tips	266
F	Printer Connection Methods	267
E	Default Network Settings.	270
P	Another Printer Found with Same Name	272
C	Connecting to Another Computer via LAN/Changing from USB to LAN Connection	273
F	Printing Network Settings	274
F	Reconfiguration Method of LAN Connection/Reconfiguration Method of Wi-Fi Connection	290
F	Reconfiguration of Network Settings using the Remote UI	292
C	Countermeasures against Unauthorized Access	293
٩	Network Status and Troubleshooting	295
IJ Ne	etwork Device Setup Utility (Windows)	297
I.	J Network Device Setup Utility	298
5	Starting Up IJ Network Device Setup Utility	299
[Diagnosing and Repairing Network Settings	300
F	Performing/Changing Network Settings	301
	Canon IJ Network Device Setup Utility Screen.	302
		306
	Performing/Changing Wired LAN Connection (Ethernet Cable) Settings	307

Performing/Changing Wi-Fi Settings.	310
Assigning Printer Information.	. 315
Initializing Network Settings.	. 316
Change Administrator Password.	. 317
Setting Criteria for Printer Search/Searching Specific Printer.	318
If WEP Details Screen Appears.	. 320
If WPA/WPA2 Details Screen Appears	321
Checking Network Status.	322
Checking Wi-Fi Network Status.	. 323
Displaying Computer Network Information.	325
Displaying Printer Network Information.	326
Checking Connection Status between Printer and Wireless Router.	327
Checking Network Setting Difference.	328
IJ Network Device Setup Utility Menus.	330
Printer Settings Menu	331
View Menu.	. 332
Option Menu.	334
Help Menu.	. 335
List of Models Which Does Not Support Diagnosis and Repair Function.	336
List of Models Which Does Not Support IPv6 Configuration via USB Connection.	337
Other Network Information.	. 339
Technical Terms.	340
Restrictions.	348
Firewall	349
List of Devices Which May Interfere with Wi-Fi Communication.	350
Sharing the Printer on a Network (Windows).	351
Setting Up a Shared Printer	. 352
Restrictions on Printer Sharing.	354
Connecting Smartphone/Tablet to Printer via Wi-Fi.	355
Connecting Smartphone/Tablet to Printer via Wireless Router.	356
Adjustments for Better Print Quality.	359
Adjusting the Print Head.	360
Adjusting the Print Head.	361
Adjusting Line Misalignment.	
	002

Automatic Adjustment to Straighten Lines and Colors.	366
Manual Adjustment to Straighten Lines and Colors.	368
Troubleshooting Paper Abrasion and Blurry Images.	370
Adjusting Feed Amount.	372
Adjusting Feed Amount.	373
Selecting Feed Amount Adjustment Method.	374
Automatic Banding Adjustment.	375
Manual Banding Adjustment.	377
Fine-Tuning Paper Feed Amount.	379
Adjusting Line Length.	380
Adjusting Vacuum Strength.	382
Maintenance and Consumables	383
Ink Tanks	385
Ink Tanks	386
Replacing Ink Tanks	387
Checking Ink Tank Levels.	393
When to Replace Ink Tanks	394
Print Head.	395
Print Head.	396
Checking for Nozzle Clogging.	397
Cleaning the Print Head.	399
Replacing the Print Head	401
Maintenance Cartridge	409
Maintenance Cartridge	410
Replacing the Maintenance Cartridge.	411
Checking the Remaining Maintenance Cartridge Capacity.	415
When to Replace the Maintenance Cartridge	416
Cutter Blade	417
Cutter Blade	418
Replacing the Cutter Blade.	419
Performing Maintenance Functions from Your Computer (Windows)	422
Cleaning the Print Heads	423
Printing a Nozzle Check Pattern.	424

Cleaning the Printer
Cleaning the Printer Exterior. 427
Cleaning Inside the Top Cover. 428
Other Maintenance
Preparing to Transfer the Printer. 433
Reinstalling the Printer. 436 Firmware update. 441
Specifications
Print Area
Safety
Safety Precautions
Regulatory Information
WEEE (EU&EEA)
When Repairing, Lending, or Disposing of the Printer.
Screenshots in This Manual
Screenshots in This Manual. 467 Basic Printing Workflow. 468
Basic Printing Workflow
Basic Printing Workflow. 468 Printing procedure. 469
Basic Printing Workflow. 468 Printing procedure. 469 Printing Options Using Rolls and Sheets. 470
Basic Printing Workflow. 468 Printing procedure. 469 Printing Options Using Rolls and Sheets. 470 Turning the Printer On and Off. 472
Basic Printing Workflow. 468 Printing procedure. 469 Printing Options Using Rolls and Sheets. 470 Turning the Printer On and Off. 472 Loading and Printing on Rolls. 474 Loading and Printing on Sheets. 477 Printing in Windows. 479
Basic Printing Workflow. 468 Printing procedure. 469 Printing Options Using Rolls and Sheets. 470 Turning the Printer On and Off. 472 Loading and Printing on Rolls. 474 Loading and Printing on Sheets. 477 Printing in Windows. 479 Printing from macOS. 481
Basic Printing Workflow.468Printing procedure.469Printing Options Using Rolls and Sheets.470Turning the Printer On and Off.472Loading and Printing on Rolls.474Loading and Printing on Sheets.477Printing in Windows.479Printing from macOS.481Canceling print jobs.483
Basic Printing Workflow. 468 Printing procedure. 469 Printing Options Using Rolls and Sheets. 470 Turning the Printer On and Off. 472 Loading and Printing on Rolls. 474 Loading and Printing on Sheets. 477 Printing from macOS. 481 Canceling print jobs. 483 Canceling Print Jobs from the Operation Panel. 484
Basic Printing Workflow.468Printing procedure.469Printing Options Using Rolls and Sheets.470Turning the Printer On and Off.472Loading and Printing on Rolls.474Loading and Printing on Sheets.477Printing in Windows.479Printing from macOS.481Canceling print jobs.483
Basic Printing Workflow.468Printing procedure.469Printing Options Using Rolls and Sheets.470Turning the Printer On and Off.472Loading and Printing on Rolls.474Loading and Printing on Sheets.477Printing in Windows.479Printing from macOS.481Canceling print jobs.483Canceling Print Jobs from the Operation Panel.484Canceling Print Jobs from Windows.485
Basic Printing Workflow.468Printing procedure.469Printing Options Using Rolls and Sheets.470Turning the Printer On and Off.472Loading and Printing on Rolls.474Loading and Printing on Sheets.477Printing in Windows.479Printing from macOS.481Canceling Print Jobs from the Operation Panel.484Canceling Print Jobs from Windows.485Canceling Print Jobs from Windows.485Canceling Print Jobs from Windows.485Canceling Print Jobs from Mindows.485Canceling Print Jobs from Mindows.485Canceling Print Jobs from Mindows.485Canceling Print Jobs from Mindows.485Canceling Print Jobs from Mindows.485

Printing from Your Computer (Windows).	494
Printing with Easy Setup.	495
Setting the Number of Copies and Printing Order.	500
Printing Photos and Business Documents.	501
Printing By Setting Print Purpose.	502
Edit in PosterArtist and Print.	505
Printing CAD Drawings.	507
Printing By Setting Print Purpose.	502
Printing from AutoCAD.	511
Changing the Print Quality and Correcting Image Data.	512
Adjusting Color Balance.	513
Setting the Print Quality Level (Custom)	515
Printing a Color Document in Monochrome	517
Specifying Color Correction.	519
Optimal Photo Printing of Image Data.	522
Adjusting Colors with the Printer Driver	523
Printing with ICC Profiles.	526
Adjusting Brightness.	531
Adjusting Contrast.	533
Printing Using Detailed Setting Mode.	535
Scaled Printing.	538
Printing to Oversized Paper Sizes.	540
Setting Paper Dimensions (Custom Size)	543
Set a Custom Size Roll Width.	547
Printing without Edges Based on the Scenarios.	549
Printing without Margins to Match Paper Size.	550
Printing without Margins to Match Roll Paper Width.	553
Printing Full-Size without Margins	555
Three-sided Borderless Printing on Roll Paper	557
Printing Hanging and Horizontal Banners (Large-Format Printing)	562
Printing by Dividing/Joining Documents.	. 564
Lining Up and Printing Multiple Documents to Cut Sheets.	565
Printing by Connecting Multiple Pages.	567
Printing Multiple Pages All on One Page	568
Dividing and Printing Posters	570

Printing Document in Center of Paper	573
Printing by Saving Roll Paper	576
Saving Roll Paper by Rotating Document 90 Degrees.	577
Saving Roll Paper by Eliminating Upper and Lower Margins on Document.	580
Switching the Paper Source to Match the Purpose.	583
Displaying the Print Results before Printing.	585
Other Convenient Settings.	586
Stamp Printing	587
Registering a Stamp	588
Setting a Page Size and Orientation.	591
Registering a Frequently Used Printing Profile	592
Cutting Roll Paper after Printing.	594
HP-GL/2 Printing.	596
Printing from Smartphone/Tablet.	597
Connecting Smartphone/Tablet to Printer Directly (Wireless Direct).	598
Windows Software.	602
Printer Driver.	603
Overview of the Printer Driver	
Canon IJ Printer Driver.	605
Changing the Print Options.	
Canon imagePROGRAF Preview.	607
How to Open the Printer Driver Setup Window.	608
Updating Media Information in Printer Driver.	609
Setting Accounting Information.	610
Deleting the Undesired Print Job.	612
Canon IJ Status Monitor.	613
Checking the Ink Status from Your Computer.	615
Instructions for Use (Printer Driver).	616
Printer Driver Description.	620
Main Tab Description.	621
Page Setup Tab Description	628
Layout Tab Description.	633
Favorites Tab Description.	639
Maintenance Tab Description.	641

Device Settings Tab Description.	643
Canon IJ Status Monitor Description.	645
Updating the Printer Driver	648
Obtaining the Latest Printer Driver	649
Deleting the Unnecessary Printer Driver	650
Before Installing the Printer Driver	
Installing the Printer Driver.	652
Printing Using Canon Application Software.	653
macOS Software	654
Printing Using Canon Application Software.	655
Managing Print Jobs	656
Checking Print Job Information.	657
Basic Print Job Operations	658
Managing Job Queue (Delete).	. 659
Frequently Asked Questions.	661
I want to easily create vertical or horizontal banners.	664
Does this printer support sub-ink tank system.	665
I want to know how to configure roll cutting	666
I want to configure so that the roll is cut automatically after waiting for the ink to dry	667
How do I print without borders	668
I want to know the paper types that can be used in this printer	669
The paper type that I want to print is not displayed on the Touch Screen	670
Can I perform duplex printing.	671
I want to perform enlargement printing	672
Network Settings and Common Problems.	673
Problems Regarding Paper.	674
Remove Jammed Roll Paper.	. 675
Remove a Jammed Sheet.	679
Remove Jammed Paper (Paper Feed Slot)	
Roll paper cannot be inserted into the Paper Feed Slot.	
Roll Paper Remains/Lacks under Quantity Management.	
Cannot load sheets	687

Paper is not cut straight	8
Paper is not cut. 69	10
Cutter Blade Does Not Work While Cutting Is in Progress. 69	1
Dent in the Tip of Paper	12
The size of clear film cannot be detected. 69	13
Printer Keeps Ejecting the Roll Paper 69	4
Margins are wide	6
When printing on roll paper, the printed surface becomes scratched. 69)7
Printing Does Not Start	8
Printer Suddenly Stopped Working for Some Reason	19
The Data lamp on the Operation Panel does not light up	14
The printer does not respond even if print jobs are sent	15
"Preparing the ink system." is displayed	16
"Agitating the ink" is displayed	17
The Printer Stops During a Print Job. 70	8
Printing stops and an error message is displayed)9
The printer ejects blank, unprinted paper	0
Problems with the Printing Quality	1
Printing is faint	2
Paper rubs against the Print Head	
The edges of the paper are dirty	
The surface of the paper is dirty	
The back side of the paper is dirty	-
Immediately after borderless printing, the trailing edge margin is soiled during regular printing 72	
Printed colors are inaccurate	
Banding in different colors occurs	22
Colors in printed images are uneven	
Image edges are blurred or white banding occurs	26
The contrast becomes uneven during printing	27
The length of printed images is inaccurate in the feeding direction.	28
Images are printed crooked	29
Documents are printed in monochrome	0
Line thickness is not uniform	51
Lines or colors are misaligned	62
Borders appear in borderless printing	3
Cannot Specify Extension for borderless printing After Warning Message	4

Cannot Print over Network	735
Cannot Connect Printer to Network.	. 736
Cannot Print over TCP/IP Network.	737
Cannot Print over Bonjour networks	738
Cannot Find Printer on Network.	739
Cannot Find Printer on Check Printer Settings Screen (Windows).	740
Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen.	741
Searching Printer by IP Address or Host Name During Setup	. 743
Cannot Find Printer while Using Wi-Fi.	. 747
Cannot Find Printer while Using Wired LAN.	750
Cannot Print Using AirPrint.	751
Installation Problems.	752
Removing Printer Software.	753
Taking Time to Setup Process (Windows)	. 755
Failed to Printer Driver Installation (Windows).	. 756
HP-GL/2 problems.	758
With HP-GL/2, printing is misaligned.	. 759
Lines or images are missing in printed HP-GL/2 jobs.	760
Lines are printed too thick or thin in HP-GL/2 print jobs	761
HP-GL/2 jobs are printed in monochrome (or color)	762
Printed colors of lines are inaccurate during HP-GL/2 printing.	763
HP-GL/2 jobs are printed 6 mm larger than specified	764
HP-GL/2 jobs are printed at maximum size, even if a standard size is specified	765
HP-GL/2 printing takes a long time.	766
The printer stops when printing a HP-GL/2 job (the carriage stops moving)	. 767
Other Problems.	768
Printer does not turn on.	. 769
If the Printer Makes a Strange Sound	770
Messages advising to check the maintenance cartridge are not cleared	772
Printer consumes a lot of ink.	773
Ink Level Detection.	774
List of Support Code for Error.	775
1005	777
100A	778

1012	779
1021	780
1024	781
1041	783
1051	784
1052	785
1054	786
1058	787
1061	788
1200	789
1201	790
1210	791
1213	792
1214	793
1300	794
1306	795
1317	796
1322	797
1323	798
1324	799
1401	800
1403	801
1408	802
1409	803
140A	804
140B	805
140C	806
140F	807
1468	808
1477	809
1478	810
1480	811
1481	812

1485	813
1492	814
1494	815
1495	816
1500	817
1551	818
1552	819
1570	820
1571	821
1660	822
168B	823
1720	824
1721	825
1722	826
1730	827
1731	828
1752	829
1753	830
1756	831
1757	832
2130.	833
2131	834
2132	835
3001	836
3200	837
3201	838
3250	839
3300	840
3301	841
3302	842
3303	843
3304	844
3306	845

3311	846
3312	847
3313	848
3314	849
3315	850
3316	851
3317	852
3331	853
3332	854
3333	855
3337	856
3341	857
3342	858
3414	859
3415	860
3416	861
3417	862
3418	863
3419	864
3420	865
3421	866
3422	867
3423	868
3424	869
3448	870
4111	871
4117	872
4801	873
4803	874
4905	875
4920	876
4931	878
4932	879

4933	880
4934	881
4935	882
4937	883
4950	884
4951	885
4952	886
4953	887
4954	888
4955	889
4956	890
4957	891
5106	892
5200	893
5B16	894
5B20	895
5B21	896
5C00	897
6502	898
6700	899
6702	900
6820	901
6900	902
6901	903
6902	904
6910	905
6911	906
6920	907
6921	908
6930.	909
6931	910
6932	911
6933	912

6940.	913
6941	914
6942	915
6943	916
6944	917
6945	918
6946	919
7050	920
7051	921
7052	922
8200	923
9000	924
9110	925
B20A	926
B510	927

Using This Online Manual

Symbols Used in This Document

Touch-enabled Device Users (Windows)

Symbols Used in This Document

🛝 Warning

Instructions that, if ignored, could result in death, serious personal injury, or property damage caused by incorrect operation of the equipment. These must be observed for safe operation.

\rm Caution

Instructions that, if ignored, could result in personal injury or property damage caused by incorrect operation of the equipment. These must be observed for safe operation.

Important

Instructions including important information that must be observed to avoid damage and injury or improper use of the product. Be sure to read these instructions.

>>>> Note

Instructions including notes for operation and additional explanations.

Basics

Instructions explaining basic operations of your product.

>>>> Note

· Icons may vary depending on your product.

Touch-enabled Device Users (Windows)

For touch actions, you need to replace "right-click" in this document with the action set on the operating system. For example, if the action is set to "press and hold" on your operating system, replace "right-click" with "press and hold."

Trademarks and Licenses

- Microsoft is a registered trademark of Microsoft Corporation.
- Windows is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Windows Vista is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Microsoft Edge is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Internet Explorer is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Mac, Mac OS, macOS, OS X, AirPort, App Store, AirPrint, the AirPrint logo, Safari, Bonjour, iPad, iPad Air, iPad mini, iPadOS, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Google Cloud Print, Google Chrome, Chrome OS, Chromebook, Android, Google Drive, Google Apps and Google Analytics are either registered trademarks or trademarks of Google Inc. Google Play and Google Play Logo are trademarks of Google LLC.
- Adobe, Acrobat, Flash, Photoshop, Photoshop Elements, Lightroom, Adobe RGB and Adobe RGB (1998) are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- Bluetooth is a trademark of Bluetooth SIG, Inc., U.S.A. and licensed to Canon Inc.
- Autodesk and AutoCAD are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries.
- QR Code is a registered trademark of DENSO WAVE INCORPORATED in Japan and in other countries.
- USB Type-C[™] is a trademark of USB Implementers Forum.
- The Mopria® word mark and the Mopria® Logo are registered and/or unregistered trademarks of Mopria Alliance, Inc. in the United States and other countries. Unauthorized use is strictly prohibited.
- HP-GL and HP-GL/2 are either registered trademarks or trademarks of Hewlett Packard Company in the U.S. and/or other countries.

>>>> Note

• The formal name of Windows Vista is Microsoft Windows Vista operating system.

Copyright (c) 2003-2015 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of Apple Inc. ("Apple") nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY APPLE AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/ TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity

authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

- 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
- 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
- 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
 - 1. You must give any other recipients of the Work or Derivative Works a copy of this License; and
 - 2. You must cause any modified files to carry prominent notices stating that You changed the files; and
 - 3. You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
 - 4. If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
- 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
- 9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

---- Part 1: CMU/UCD copyright notice: (BSD like) -----

Copyright 1989, 1991, 1992 by Carnegie Mellon University

Derivative Work - 1996, 1998-2000

Copyright 1996, 1998-2000 The Regents of the University of California

All Rights Reserved

Permission to use, copy, modify and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appears in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of CMU and The Regents of the University of California not be used in advertising or publicity pertaining to distribution of the software without specific written permission.

CMU AND THE REGENTS OF THE UNIVERSITY OF CALIFORNIA DISCLAIM ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL CMU OR THE REGENTS OF THE UNIVERSITY OF CALIFORNIA BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM THE LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

---- Part 2: Networks Associates Technology, Inc copyright notice (BSD) -----

Copyright (c) 2001-2003, Networks Associates Technology, Inc

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Networks Associates Technology, Inc nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 3: Cambridge Broadband Ltd. copyright notice (BSD) -----

Portions of this code are copyright (c) 2001-2003, Cambridge Broadband Ltd.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The name of Cambridge Broadband Ltd. may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 4: Sun Microsystems, Inc. copyright notice (BSD) -----

Copyright c 2003 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Use is subject to license terms below.

This distribution may include materials developed by third parties.

Sun, Sun Microsystems, the Sun logo and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the Sun Microsystems, Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 5: Sparta, Inc copyright notice (BSD) -----

Copyright (c) 2003-2012, Sparta, Inc

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Sparta, Inc nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 6: Cisco/BUPTNIC copyright notice (BSD) -----

Copyright (c) 2004, Cisco, Inc and Information Network Center of Beijing University of Posts and Telecommunications.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Cisco, Inc, Beijing University of Posts and Telecommunications, nor the names of their contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 7: Fabasoft R&D Software GmbH & Co KG copyright notice (BSD) -----

Copyright (c) Fabasoft R&D Software GmbH & Co KG, 2003 oss@fabasoft.com

Author: Bernhard Penz <bernhard.penz@fabasoft.com>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* The name of Fabasoft R&D Software GmbH & Co KG or any of its subsidiaries, brand or product names may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 8: Apple Inc. copyright notice (BSD) -----

Copyright (c) 2007 Apple Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of Apple Inc. ("Apple") nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY APPLE AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL APPLE OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

---- Part 9: ScienceLogic, LLC copyright notice (BSD) -----

Copyright (c) 2009, ScienceLogic, LLC

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of ScienceLogic, LLC nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

LEADTOOLS

Copyright (C) 1991-2009 LEAD Technologies, Inc.

CMap Resources

Copyright 1990-2009 Adobe Systems Incorporated. All rights reserved.

Copyright 1990-2010 Adobe Systems Incorporated. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

Neither the name of Adobe Systems Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

MIT License

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2000 Computing Research Labs, New Mexico State University

Copyright 2001-2015 Francesco Zappa Nardelli

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE COMPUTING RESEARCH LAB OR NEW MEXICO STATE UNIVERSITY BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. Written by Joel Sherrill <joel@OARcorp.com>.

COPYRIGHT (c) 1989-2000.

On-Line Applications Research Corporation (OAR).

Permission to use, copy, modify, and distribute this software for any purpose without fee is hereby granted, provided that this entire notice is included in all copies of any software which is or includes a copy or modification of this software.

THIS SOFTWARE IS BEING PROVIDED "AS IS", WITHOUT ANY EXPRESS OR IMPLIED WARRANTY. IN PARTICULAR, THE AUTHOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND CONCERNING THE MERCHANTABILITY OF THIS SOFTWARE OR ITS FITNESS FOR ANY PARTICULAR PURPOSE.

(1) Red Hat Incorporated

Copyright (c) 1994-2009 Red Hat, Inc. All rights reserved.

This copyrighted material is made available to anyone wishing to use, modify, copy, or redistribute it subject to the terms and conditions of the BSD License. This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY expressed or implied, including the implied warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. A copy of this license is available at http://www.opensource.org/licenses. Any Red Hat trademarks that are incorporated in the source code or documentation are not subject to the BSD License and may only be used or replicated with the express permission of Red Hat, Inc.

(2) University of California, Berkeley

Copyright (c) 1981-2000 The Regents of the University of California.

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The FreeType Project LICENSE

2006-Jan-27 Copyright 1996-2002, 2006 by David Turner, Robert Wilhelm, and Werner Lemberg Introduction

The FreeType Project is distributed in several archive packages; some of them may contain, in addition to the FreeType font engine, various tools and contributions which rely on, or relate to, the FreeType Project.

This license applies to all files found in such packages, and which do not fall under their own explicit license. The license affects thus the FreeType font engine, the test programs, documentation and makefiles, at the very least.

This license was inspired by the BSD, Artistic, and IJG (Independent JPEG Group) licenses, which all encourage inclusion and use of free software in commercial and freeware products alike. As a consequence, its main points are that:

o We don't promise that this software works. However, we will be interested in any kind of bug reports. (`as is' distribution)

o You can use this software for whatever you want, in parts or full form, without having to pay us. (`royalty-free' usage)

o You may not pretend that you wrote this software. If you use it, or only parts of it, in a program, you must acknowledge somewhere in your documentation that you have used the FreeType code. (`credits')

We specifically permit and encourage the inclusion of this software, with or without modifications, in commercial products.

We disclaim all warranties covering The FreeType Project and assume no liability related to The FreeType Project.

Finally, many people asked us for a preferred form for a credit/disclaimer to use in compliance with this license. We thus encourage you to use the following text:

.....

Portions of this software are copyright © <year> The FreeType

Project (www.freetype.org). All rights reserved.

.....

Please replace <year> with the value from the FreeType version you actually use.

Legal Terms

0. Definitions

Throughout this license, the terms `package', `FreeType Project', and `FreeType archive' refer to the set of files originally distributed by the authors (David Turner, Robert Wilhelm, and Werner Lemberg) as the `FreeType Project', be they named as alpha, beta or final release.

`You' refers to the licensee, or person using the project, where `using' is a generic term including compiling the project's source code as well as linking it to form a `program' or `executable'.

This program is referred to as `a program using the FreeType engine'.

This license applies to all files distributed in the original FreeType Project, including all source code, binaries and documentation, unless otherwise stated in the file in its original, unmodified form as distributed in the original archive.

If you are unsure whether or not a particular file is covered by this license, you must contact us to verify this.

The FreeType Project is copyright (C) 1996-2000 by David Turner, Robert Wilhelm, and Werner Lemberg. All rights reserved except as specified below.

1. No Warranty

THE FREETYPE PROJECT IS PROVIDED `AS IS' WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ANY OF THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY DAMAGES CAUSED BY THE USE OR THE INABILITY TO USE, OF THE FREETYPE PROJECT.

2. Redistribution

This license grants a worldwide, royalty-free, perpetual and irrevocable right and license to use, execute, perform, compile, display, copy, create derivative works of, distribute and sublicense the FreeType Project (in both source and object code forms) and derivative works thereof for any purpose; and to authorize others to exercise some or all of the rights granted herein, subject to the following conditions:

o Redistribution of source code must retain this license file (`FTL.TXT') unaltered; any additions, deletions or changes to the original files must be clearly indicated in accompanying documentation. The copyright notices of the unaltered, original files must be preserved in all copies of source files.

o Redistribution in binary form must provide a disclaimer that states that the software is based in part of the work of the FreeType Team, in the distribution documentation. We also encourage you to put an URL to the FreeType web page in your documentation, though this isn't mandatory.

These conditions apply to any software derived from or based on the FreeType Project, not just the unmodified files. If you use our work, you must acknowledge us. However, no fee need be paid to us.

3. Advertising

Neither the FreeType authors and contributors nor you shall use the name of the other for commercial, advertising, or promotional purposes without specific prior written permission.

We suggest, but do not require, that you use one or more of the following phrases to refer to this software in your documentation or advertising materials: `FreeType Project', `FreeType Engine', `FreeType library', or `FreeType Distribution'.

As you have not signed this license, you are not required to accept it. However, as the FreeType Project is copyrighted material, only this license, or another one contracted with the authors, grants you the right to use, distribute, and modify it.

Therefore, by using, distributing, or modifying the FreeType Project, you indicate that you understand and accept all the terms of this license.

4. Contacts

There are two mailing lists related to FreeType:

o freetype@nongnu.org

Discusses general use and applications of FreeType, as well as future and wanted additions to the library and distribution.

If you are looking for support, start in this list if you haven't found anything to help you in the documentation.

o freetype-devel@nongnu.org

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

http://www.freetype.org

--- end of FTL.TXT ---

The TWAIN Toolkit is distributed as is. The developer and distributors of the TWAIN Toolkit expressly disclaim all implied, express or statutory warranties including, without limitation, the implied warranties of merchantability, noninfringement of third party rights and fitness for a particular purpose. Neither the developers nor the distributors will be liable for damages, whether direct, indirect, special, incidental, or consequential, as a result of the reproduction, modification, distribution or other use of the TWAIN Toolkit.

JSON for Modern C++

Copyright (c) 2013-2017 Niels Lohmann

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2011 - 2015 ARM LIMITED All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- Neither the name of ARM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDERS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2014, Kenneth MacKay

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2006, CRYPTOGAMS by <appro@openssl.org> All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain copyright notices, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of the CRYPTOGAMS nor the names of its copyright holder and contributors may be used to endorse or promote products derived from this software without specific prior written permission.

ALTERNATIVELY, provided that this notice is retained in full, this product may be distributed under the terms of the GNU General Public License (GPL), in which case the provisions of the GPL apply INSTEAD OF those given above.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDER AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

ISC License

Copyright (c) 2013-2017

Frank Denis <j at pureftpd dot org>

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright (c) 2008 The NetBSD Foundation, Inc.

All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Lennart Augustsson (lennart@augustsson.net) at Carlstedt Research & Technology.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2000 Intel Corporation

All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither name of Intel Corporation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL INTEL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Lua

Copyright © 1994–2014 Lua.org, PUC-Rio.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated

documentation files (the "Software"), to deal in the Software without restriction, including without limitation

the

rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to

permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of

the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN

ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH

THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

LuaSocket

LuaSocket 2.0.2 license Copyright © 2004-2007 Diego Nehab

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

LuneScript

Copyright (c) 2018 ifritJP

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions: The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper

Copyright (c) 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated

documentation files (the "Software"), to deal in the Software without restriction, including without limitation the

rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to

permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of

the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,

INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN

ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH

THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright 2004--2007, Google Inc.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the

following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following

disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The name of the author may not be used to endorse or promote products derived from this software without

specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY

AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR

BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL

DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED

AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The following applies only to products supporting Wi-Fi.

(c) 2009-2013 by Jeff Mott. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

* Redistributions of source code must retain the above copyright notice, this list of conditions, and the following disclaimer.

* Redistributions in binary form must reproduce the above copyright notice, this list of conditions, and the following disclaimer in the documentation or other materials provided with the distribution.

* Neither the name CryptoJS nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS," AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Sending Information To Canon

To provide services related to printer, and to develop and market products and services that better meet customer needs Canon requests that information such as that below, related to your Canon product, be sent to Canon (if you are using your Canon product in China, to the legally approved research company) through the Internet.

Information related to printer/scanner/information devices

- Basic information such as the printer ID number, installation date and time, country settings, etc.
- Usage history such as the type of ink installed, ink usage information, the number of sheets printed, scanning frequency, and maintenance information, etc.
- Paper use information, printing environment/conditions, scan job setting, and questionnaire results
- Basic device information such as the model name, OS version, language, and display setting information, etc.
- · Version information and usage history of device driver and application software
- * Some of the above information may not be sent depending on your model and/or application software.
- * The sent information may be delivered to Canon's affiliated companies.
- * The Internet connection fee shall be borne by each customer.

If your Canon product is shared for use, the above information recorded in the shared product will be sent. If you are to agree, please convey this fact to the users who share the product and obtain their agreement as well beforehand.

If you agree to the above, choose [Agree]. Otherwise, choose [Do not agree].

Paper

- Types of Paper
- Paper Sizes
- Using Paper Other Than Genuine Paper and feed confirmed Paper
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type
- Paper Information List
- Updating paper information

Handling rolls

- Loading Rolls on the Roll Holder
- Loading Rolls in the Printer
- Changing the Type of Paper
- Specifying the Paper Length
- Removing the Roll from the Printer
- Removing Rolls From the Roll Holder
- Remove Jammed Roll Paper
- Feeding Roll Paper Manually
- Keeping Track of the Amount of Roll Paper Left
- Specifying the Ink Drying Time for Rolls
- Specifying the Cutting Method for Rolls
- Cutting the Leading Edge of Roll Paper Automatically
- Reducing Dust from Cutting Rolls
- Detecting Roll Paper was Replaced While the Power was Off
- Handling sheets

- Loading Sheets in the Printer
- Changing the Type of Paper
- Printing From a Desired Starting Point
- Removing Sheets
- Remove a Jammed Sheet

Basket

- Using the Basket
- Media Configuration Tool Guide

Paper

- Types of Paper
- Paper Sizes
- **>** Using Paper Other Than Genuine Paper and feed confirmed Paper
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings
- Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type
- Paper Information List
- Updating paper information

Types of Paper

The following media types are supported by the printer. For details on the media types supported by the printer, see "Paper Information List."

- Plain Paper
- Coated Paper
- Photo Paper
- Glossy Paper
- Proofing Paper
- CAD-dedicated Paper Etc.

The Paper Information List includes the following information.

- Types of paper
- Paper handling
- · Paper product specifications
- Use precautions
- Setting of printer driver, operation panel etc.

>>>> Note

• For instructions on using paper not included in the Paper Information List, see "<u>Using Paper Other Than</u> <u>Genuine Paper and feed confirmed Paper</u>."

Method of Updating Supported Paper

Paper that is supported by the printer may be newly released on the Canon website.

To use newly released paper, register the latest paper information on the printer with the Media Configuration Tool. (See "<u>Updating paper information</u>.")

Important

• Even if you are not using the printer driver, you should install the Media Configuration Tool in order to register the media types for your region in the printer.

(See "Media Configuration Tool Guide" (Windows).)

(See "Media Configuration Tool Guide" (macOS).)

Paper Sizes

Rolls

Rolls that meet the following conditions are supported.

- Outer diameter is 5.9 inches (150 mm) or less
- Inner diameter of paper core: 2 or 3 inches
- Printing side out

Roll Width	Printer Driver Roll Paper Width Settings
36.00 inches (914.4 mm)	36 in Roll (914.4mm)
33.11 inches (841.0 mm)	A0/A1 Roll (841.0mm)
31.50 inches (800.0 mm)	800mm Roll (800.0mm)
30.00 inches (762.0 mm)	30 in Roll (762.0mm)
28.66 inches (728.0 mm)	B1/B2 Roll (728.0mm)
24.00 inches (609.6 mm)	24 in Roll (609.6mm)
23.62 inches (600.0 mm)	600mm Roll (600.0mm)
23.39 inches (594.0 mm)	A1/A2 Roll (594.0mm)
22.00 inches (558.8 mm)	22 in Roll (558.8mm)
20.28 inches (515.0 mm)	B2/B3 Roll (515.0mm)
20.00 inches (508.0 mm)	20 in Roll (508.0mm)
19.69 inches (500.0 mm)	500mm Roll (500.0mm)
18.00 inches (457.2 mm)	18 in Roll (457.2mm)
17.00 inches (431.8 mm)	17 in Roll (431.8mm)
16.54 inches (420.0 mm)	A2/A3 Roll (420.0mm)
16.00 inches (406.4 mm)	16 in Roll (406.4mm)
14.00 inches (355.6 mm)	14 in Roll (355.6mm)
12.95 inches (329.0 mm)	A3+ Roll (329.0mm)
12.00 inches (304.8 mm)	12 in Roll (304.8mm)
11.81 inches (300.0 mm)	300mm Roll (300.0mm)
11.69 inches (297.0 mm)	A3/A4 Roll (297.0mm)
10.12 inches (257.0 mm)	B4 Roll (257.0mm)

Roll Width	Printer Driver Roll Paper Width Settings
10.00 inches (254.0 mm)	10 in Roll (254.0mm)
8.00 inches (203.2 mm)	8 in Roll (203.2mm)

Sheets

Sheets of the following sizes are supported.

Paper Sizes	Dimensions		
A2	16.54 x 23.39 inches (420.0 x 594.0 mm)		
А3	11.69 x 16.54 inches (297.0 x 420.0 mm)		
A3+	12.95 x 19.02 inches (329.0 x 483.0 mm)		
A4	8.27 x 11.69 inches (210.0 x 297.0 mm)		
ISO B3	13.90 x 19.69 inches (353.0 x 500.0 mm)		
ISO B4	9.84 x 13.90 inches (250.0 x 353.0 mm)		
JIS B3	14.33 x 20.28 inches (364.0 x 515.0 mm)		
JIS B4	10.12 x 14.33 inches (257.0 x 364.0 mm)		
17"x22" (ANSI C)	17.00 x 22.00 inches (431.8 x 558.8 mm)		
11"x17" (Ledger)	11.00 x 17.00 inches (279.4 x 431.8 mm)		
13"x19" (Super B)	13.00 x 19.00 inches (330.2 x 482.6 mm)		
Letter (8.5"x11")	8.50 x 11.00 inches (215.9 x 279.4 mm)		
Legal (8.5"x14")	8.50 x 14.00 inches (215.9 x 355.6 mm)		
12"x18" (ARCH B)	12.00 x 18.00 inches (304.8 x 457.2 mm)		
9"x12" (ARCH A)	9.00 x 12.00 inches (228.6 x 304.8 mm)		
DIN C3	12.76 x 18.03 inches (324.0 x 458.0 mm)		
DIN C4	9.02 x 12.76 inches (229.0 x 324.0 mm)		
14"x17"	14.00 x 17.00 inches (355.6 x 431.8 mm)		
12"x16"	12.00 x 16.00 inches (304.8 x 406.4 mm)		
10"x12"	10.00 x 12.00 inches (254.0 x 304.8 mm)		
10"x15"	10.00 x 15.00 inches (254.0 x 381.0 mm)		
US Photo 16"x20"	16.00 x 20.00 inches (406.4 x 508.0 mm)		

Paper Sizes	Dimensions	
13"x22" 12.95 x 21.97 inches (329.0 x 558.0 mm)		

>>>> Note

• Borderless printing is not supported on sheets.

Using Paper Other Than Genuine Paper and feed confirmed Paper

When using this printer to print on paper other than genuine Canon paper and feed confirmed paper, use paper that meets the following conditions.

>>>> Note

- For Canon genuine paper/feed confirmed paper, see "Paper Information List."
- Paper where the size is described in "Paper Sizes" (See "Paper Sizes.")
- Paper where the thickness is described in "Paper Thickness" in "Specifications" (See "Specifications.")
- · Paper where bleeding and ink overflow does not occur when printing
- · Paper that does not warp severely when loading the paper or printing

>>>> Important

• If you use paper other than Canon genuine paper and feed confirmed paper, Canon provides absolutely no guarantees regarding print quality or paper feed properties. For Canon genuine paper/feed confirmed paper, see "Paper Information List."

After loading the paper in the printer, select the media type in the operation panel and printer driver and then perform the printing. For the media type, you can select easily from existing settings or you can create and use settings for the paper you are using.

Printing Using Existing Settings

You can print easily by selecting from existing settings provided in the printer operation panel and printer driver. (See "<u>Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings</u>.")

Printing Using Additional Settings

You can use the Media Configuration Tool function for adding custom paper to create settings suitable for non-Canon genuine paper/feed confirmed paper and add as a new media type to the printer's Operation Panel and the printer driver for printing. (See "<u>Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type</u>.")

Printing on Paper Other Than Genuine Paper and feed confirmed Paper Using Existing Settings

You can easily print on paper other than genuine Canon paper and feed confirmed paper without making complicated settings by selecting the existing settings provided in the printer operation panel and printer driver depending on the media type you are using. The existing settings consist of general-purpose paper settings provided for different media types.

Important

• The Canon genuine paper settings provided in the printer operation panel and printer driver are optimized for Canon genuine paper. If these settings are selected for printing on paper other than Canon genuine paper, the ink may bleed or the print head may rub against the paper. To easily print on paper other than Canon genuine paper and feed confirmed paper, we recommend that you select one of the following general-purpose paper settings.

>>>> Note

- For an overview of the media types, see "Types of Paper."
- For instructions on selecting the media type with the operation panel, see "<u>Types of Paper</u>". For instructions on selecting the media type with the printer driver, see "<u>How to Open the Printer Driver</u> <u>Setup Window</u>" (Windows) or "How to Open the Printer Driver Setup Dialog" (macOS).

Choosing General-Purpose Paper Settings

These settings anticipate a wide variety of paper other than Canon genuine paper and feed confirmed paper, and, therefore, these settings make it difficult for bleeding ink and print head rubbing to occur. For details on the relationships between the conditions of paper other than Canon genuine paper and feed confirmed paper and the media type to select, see "Paper Information List."

>>>> Note

 If you cannot obtain the desired results by selecting the general-purpose paper settings, use the custom paper adding function in Media Configuration Tool to create settings suitable for the paper you are using. For details, see "<u>Printing on Paper Other Than Genuine Paper and feed confirmed</u> <u>Paper by Adding a Media Type</u>."

Printing on Paper Other Than Genuine Paper and feed confirmed Paper by Adding a Media Type

Media Configuration Tool provides a function for adding custom paper for better print quality and improved paper feed properties when printing on paper other than Canon genuine paper/feed confirmed paper than when printing with general-purpose settings. You can use this function to configure settings such as the amount of ink used and the height of the print head according to the characteristics of the paper being used, and thereby realize higher print quality. Also, you can add the settings created with this function as a new media type to the printer operation panel and printer driver.

For details on Media Configuration Tool, refer as follows.

- Media Configuration Tool Guide (Windows)
- Media Configuration Tool Guide (macOS)

>>>> Important

- For details on how to select the added media type in the operation panel, see "<u>Changing the Type of</u> <u>Paper</u>."
- You can select the media type to be used in printing from Media Type in the Main sheet (Windows) or Quality & Media (macOS) in the printer driver. For details, see "Main Tab Description" (Windows) or "Quality & Media" (macOS).
- We recommend that you use an ICC profile created using commercially available profile creation software to perform color management accurately on paper other than Canon genuine paper and feed confirmed paper. You can register the ICC profile you created when creating a custom paper with Media Configuration Tool.

(See "Adding Custom Paper" (Windows).)

(See "Adding Custom Paper" (macOS).)

Updating paper information

You can update the printer's media information to the latest information by applying the latest version of the Media Information File.

For details on the procedure for applying the Media Information File, refer to the following.

- Media Configuration Tool Guide (Windows)
- Media Configuration Tool Guide (macOS)

>>>> Important

• If you are using the Media Configuration Tool, the new Media Information File is downloaded automatically when released on the Canon website. A computer connected to the Internet is required to download the Media Information File.

Handling rolls

- Loading Rolls on the Roll Holder
- Loading Rolls in the Printer
- Changing the Type of Paper
- Specifying the Paper Length
- **>** Removing the Roll from the Printer
- Removing Rolls From the Roll Holder
- Remove Jammed Roll Paper
- Feeding Roll Paper Manually
- Keeping Track of the Amount of Roll Paper Left
- Specifying the Ink Drying Time for Rolls
- > Specifying the Cutting Method for Rolls
- > Cutting the Leading Edge of Roll Paper Automatically
- Reducing Dust from Cutting Rolls
- > Detecting Roll Paper was Replaced While the Power was Off

Loading Rolls on the Roll Holder

When printing on roll paper, attach the roll paper to the roll holder.

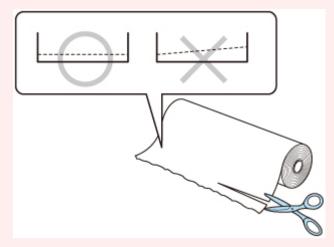
Roll paper comes in two types: 2-inch and 3-inch cores. If using 3-inch core roll paper, attach the 3-inch paper core attachment to the roll holder and holder stopper.

\rm Caution

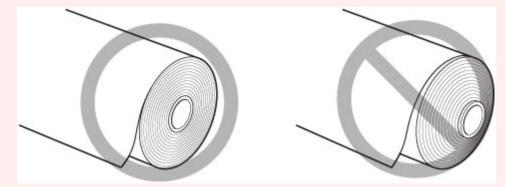
• Set the roll on its side on a table or other flat surface so that it does not roll or fall. Rolls are heavy, and dropping a roll may cause injury.

Important

- When handling the roll, be careful not to soil the printing surface. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- Cut the edge of the roll paper if it is uneven, dirty, or has tape residue. Otherwise, it may cause feeding problems and affect the printing quality. Be careful not to cut through any barcodes printed on the roll.



• Align the edges of the paper on both ends of the roll. This may cause feeding problems.



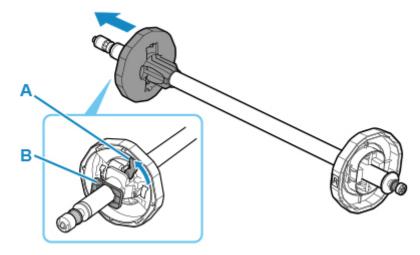
• If a feeding problem occurs, release the release lever and reload the roll paper.

>>>> Note

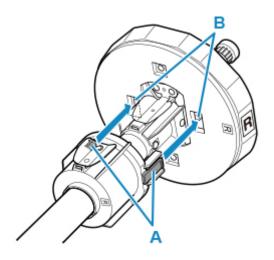
 For details on roll paper sizes and types that can be used, see "<u>Paper Sizes</u>" or "Paper Information List".

Watch the movie

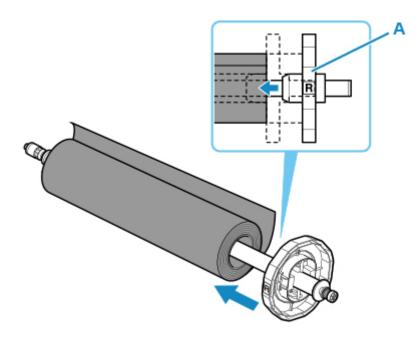
1. Rotate the holder stopper lever (A) towards **a** to release the lock, and while holding it in position (B), remove holder stopper from the roll holder.



2. If using 3-inch core paper, align 3-inch paper core attachment R tabs (A) with roll holder holes (B) and insert firmly.



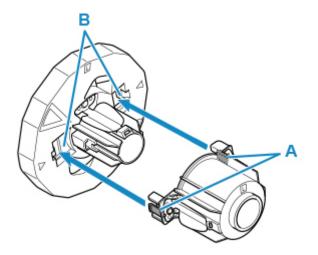
3. With leading edge of roll paper facing forward as shown, insert Roll Holder from right side of roll. Insert firmly until roll paper touches flange (A) of roll holder.



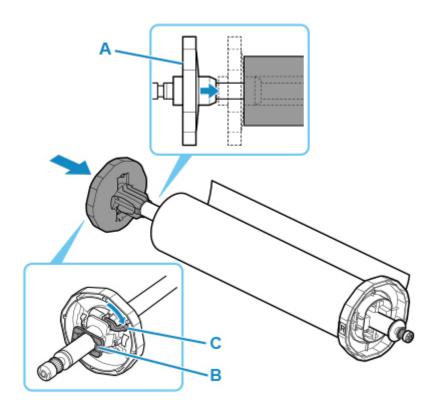
>>>> Important

- When loading a roll, be careful to avoid hitting the printer hard with the roll. This may damage the roll holder.
- If you stand the roll holder vertically and set the roll paper by dropping, the roll holder may be damaged.
- **4.** If using 3-inch core roll paper, attach 3-inch paper core attachment L to holder stopper.

Align the tabs (A) of the attachment with the holes (B) of the holder stopper, and insert firmly.



5. Insert holder stopper from left into roll holder as shown, and then while holding in position (B), push firmly until holder stopper flange (A) touches roll paper. Lock the holder stopper lever (C) by rotating it towards .



Loading Rolls in the Printer

Follow these steps to load rolls in the printer.

Important

- Before loading a roll, confirm whether the inside of the top cover or the output guide is soiled. If these areas are dirty, we recommend cleaning them in advance. (See "<u>Cleaning Inside the Top Cover</u>.")
- Watch the movie
- 1. Tap Load paper or Replace paper on the Home screen of the operation panel.

Ready to print

Carlo The	ere is no	paper.	
Pa Loa	ad per	Fe	ed/Cut
(((•	۵	0	E

Note

- If the Home screen does not appear, tap the HOME button.
- 2. Tap Load roll paper.

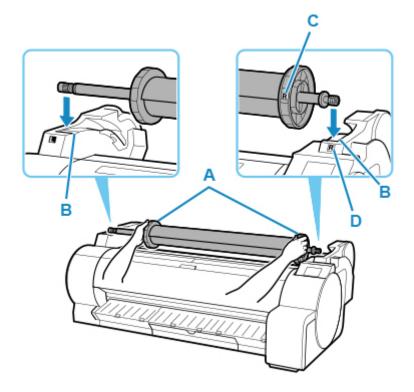
Note

• If any paper has been advanced that will not be used, a message is shown requesting you to remove it.

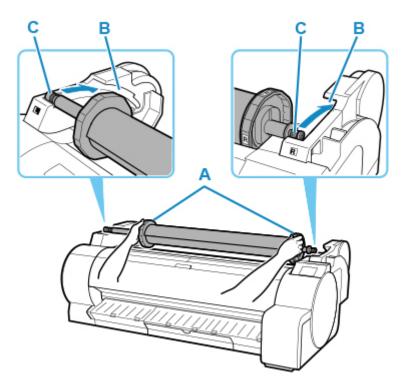
After following the instructions on the screen to remove the paper, go to the next step.

3. Holding the roll holder flange (A), rest the roll holder shaft on the roll holder resting ledge (B).

At this time, position the holder as shown in the illustration so that the R label (C) on the roll holder flange is aligned with the R label (D) on the printer.



4. Holding the roll holder flange (A), guide the holder along the slide guides (B) on both ends, keeping the holder level as you load it in the roll holder slot.



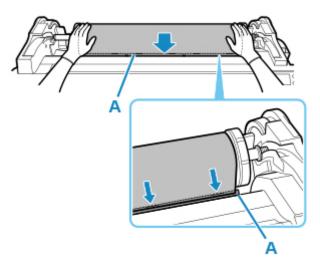
1 Caution

- Do not force the roll holder into the printer with the right and left ends reversed. This may damage the printer and roll holder.
- Do not release the flanges until the holder is loaded in the roll holder slot.

• Be careful not to pinch your fingers between the slide guides (B) and the roll holder shaft (C) when loading rolls.

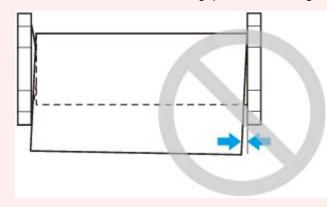
>>>> Important

- If the leading edge of the roll paper is cut crooked or folded, it may not be fed correctly. Cut the leading edge of the roll paper with scissors or the like and straighten it.
- · Load the roll paper so that it is not loaded in the opposite direction.
- **5.** Insert the edge of the roll in the feed slot (A) and advance the roll until you hear the feed tone.



>>>> Important

- If the roll paper has become unwound, remove the slack before loading the roll paper.
- Be careful not to soil the printing surface of roll paper as you insert it in the slot. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- If the paper is wrinkled or warped, straighten it out before loading it.
- Load the roll so that there is no gap between the right edge of the paper and the roll holder.



 After paper feeding has started, do the following operations based on the Manage remaining roll amount setting and the barcode printed on the roll paper (see "Keeping Track of the Amount of Roll Paper Left").

• When selecting Disable or Warning message only in Manage remaining roll amount.

A menu for selecting the media type appears on the operation panel. Operate the operation panel and select the media type to be used.

• When selecting Barcodes in Manage remaining roll amount and if the barcode is printed.

The type and amount of paper left is automatically detected based on the barcode printed on the roll. There is no need to specify the type and length of the paper.

• When selecting Barcodes in Manage remaining roll amount and if the barcode is not printed.

A menu for selection of the media type and length is shown on the operation panel. Operate the operation panel, select the media type to be used, and enter its length.

>>>> Important

- When selecting **Enable** in **Keep media type**, there is no need to specify the type of the paper.
- Cut the edge of the roll using the **Cut paper** function if the edge is creased or soiled. (See "<u>Specifying the Cutting Method for Rolls</u>.")
- When selecting the media type on the operation panel, make sure the media type set in the printer driver and the media type loaded on the printer match.

>>>> Note

- For details on media types that you can select, see "Paper Information List."
- Cut the edge of the roll after the paper is advanced if it is soiled or if there are cuts from scissors or the blade after removing creased edges. (See "Specifying the Cutting Method for Rolls.")
- Adjusting the printhead alignment with the type of paper to be used in printing may enhance printing quality. (See "<u>Automatic Adjustment to Straighten Lines and Colors</u>.")

Loading Rolls in the Printer

Follow these steps to load rolls in the printer.

Important

- Before loading a roll, confirm whether the inside of the top cover or the output guide is soiled. If these areas are dirty, we recommend cleaning them in advance. (See "<u>Cleaning Inside the Top Cover</u>.")
- Watch the movie
- 1. Tap Load paper or Replace paper on the Home screen of the operation panel.

Ready to print

Th	ere is no	paper.	
to.	ad per	Fe	ed/Cut
((1.	۵	¢	E

Note

- If the Home screen does not appear, tap the HOME button.
- 2. Tap Load roll paper.

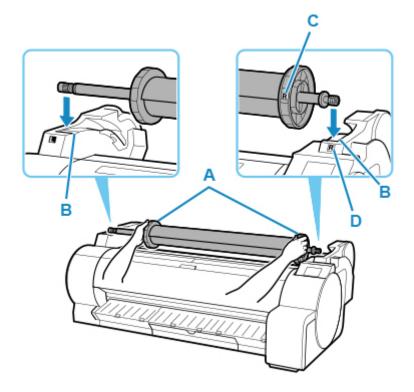
Note

• If any paper has been advanced that will not be used, a message is shown requesting you to remove it.

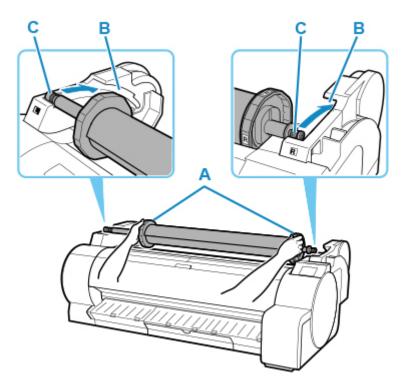
After following the instructions on the screen to remove the paper, go to the next step.

3. Holding the roll holder flange (A), rest the roll holder shaft on the roll holder resting ledge (B).

At this time, position the holder as shown in the illustration so that the R label (C) on the roll holder flange is aligned with the R label (D) on the printer.



4. Holding the roll holder flange (A), guide the holder along the slide guides (B) on both ends, keeping the holder level as you load it in the roll holder slot.



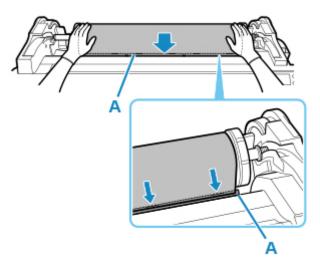
1 Caution

- Do not force the roll holder into the printer with the right and left ends reversed. This may damage the printer and roll holder.
- Do not release the flanges until the holder is loaded in the roll holder slot.

• Be careful not to pinch your fingers between the slide guides (B) and the roll holder shaft (C) when loading rolls.

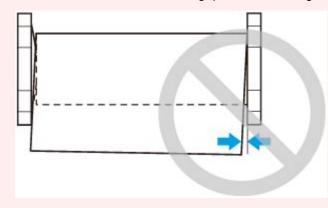
>>>> Important

- If the leading edge of the roll paper is cut crooked or folded, it may not be fed correctly. Cut the leading edge of the roll paper with scissors or the like and straighten it.
- · Load the roll paper so that it is not loaded in the opposite direction.
- **5.** Insert the edge of the roll in the feed slot (A) and advance the roll until you hear the feed tone.



>>>> Important

- If the roll paper has become unwound, remove the slack before loading the roll paper.
- Be careful not to soil the printing surface of roll paper as you insert it in the slot. This may affect the printing quality. We recommend wearing clean cloth gloves when handling rolls to protect the printing surface.
- If the paper is wrinkled or warped, straighten it out before loading it.
- Load the roll so that there is no gap between the right edge of the paper and the roll holder.



 After paper feeding has started, do the following operations based on the Manage remaining roll amount setting and the barcode printed on the roll paper (see "Keeping Track of the Amount of Roll Paper Left").

• When selecting Disable or Warning message only in Manage remaining roll amount.

A menu for selecting the media type appears on the operation panel. Operate the operation panel and select the media type to be used.

• When selecting Barcodes in Manage remaining roll amount and if the barcode is printed.

The type and amount of paper left is automatically detected based on the barcode printed on the roll. There is no need to specify the type and length of the paper.

• When selecting Barcodes in Manage remaining roll amount and if the barcode is not printed.

A menu for selection of the media type and length is shown on the operation panel. Operate the operation panel, select the media type to be used, and enter its length.

>>>> Important

- When selecting **Enable** in **Keep media type**, there is no need to specify the type of the paper.
- Cut the edge of the roll using the **Cut paper** function if the edge is creased or soiled. (See "<u>Specifying the Cutting Method for Rolls</u>.")
- When selecting the media type on the operation panel, make sure the media type set in the printer driver and the media type loaded on the printer match.

>>>> Note

- For details on media types that you can select, see "Paper Information List."
- Cut the edge of the roll after the paper is advanced if it is soiled or if there are cuts from scissors or the blade after removing creased edges. (See "Specifying the Cutting Method for Rolls.")
- Adjusting the printhead alignment with the type of paper to be used in printing may enhance printing quality. (See "<u>Automatic Adjustment to Straighten Lines and Colors</u>.")

Changing the Type of Paper

Follow these steps to change the type of paper specified on the printer after you have loaded paper.

If you continue using the same type of paper and set **Keep media type** to **Enable**, when you load paper, the media type selected before **Enable** was set is selected automatically, eliminating the need to set the media type. (See "<u>Using the Same Type of Paper Regularly</u>.")

Important

- For best printing results, the printer fine-tunes the print head height and the feed amount for each type of paper. Be sure to select the type of paper to use correctly before printing.
- Because the printer fine-tunes the feed amount for each type of paper, the margins and the size of printed images may vary depending on the type of paper used. If margins and the size of images are not as you expected, adjust the paper feed amount.

(See "Adjusting Feed Amount.")

• Rolls and sheets have different printing areas, and sheets having a larger bottom margin than rolls.

(See "Print Area.")

Changing the Type of Paper

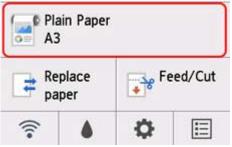
Note

• When you load roll paper, a menu for selecting the media type appears on the operation panel. Tap the media type.

If no barcode has been printed on the roll paper and you have set **Manage remaining roll amount** to **Barcodes**, specify the roll length after selecting the media type. (See "<u>Specifying the Paper Length</u>.")

1. Tap paper settings display area on Home screen of operation panel.

Ready to print



>>>> Note

- If the Home screen does not appear, press the **HOME** button.
- 2. Tap Paper settings.
- 3. Tap Type.

4. Tap media type of roll paper loaded in printer.

5. Tap Register.

Important

• Be sure to select the correct paper type. If this setting does not match the loaded paper, it may cause feed errors and affect printing quality.

>>>> Note

- For details on media types, see "Paper Information List." At the factory default settings, **Plain Paper** is selected for the media type.
- When the release lever is operated, the settings automatically return to the last selected media type.

Using the Same Type of Paper Regularly

Configure this setting so that current media type settings will be automatically selected when you load the same type of paper later.

1. Tap **(Setup)** on Home screen of operation panel.



>>>> Note

• If the Home screen does not appear, press the **HOME** button.

- 2. Tap Device settings.
- 3. Tap Paper-related settings.
- 4. Tap Keep media type.
- 5. Tap Enable.

>>>> Note

• The specified media type setting is updated in the following situations.

- When using sheets, if you send a print job before loading a sheet, the media type setting is updated to match the type of paper specified by the print job.
- If a barcode is printed on the roll paper and you have set **Manage remaining roll amount** to **Barcodes** in the operation panel menu, the media type setting is updated to match the media type specified by the barcode.
- To change the media type setting, see "Changing the Type of Paper."

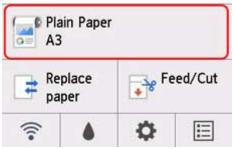
Specifying the Paper Length

When changing the length of paper after the paper has been advanced, specify the length as follows.

>>>> Note

- Specify the roll paper length when you have set **Manage remaining roll amount** to **Barcodes**. (See "Keeping Track of the Amount of Roll Paper Left.")
- 1. Tap paper settings display area on Home screen of operation panel.

Ready to print



>>>> Note

• If the Home screen does not appear, press the HOME button.

2. Tap Paper settings.

3. Tap Advanced.

4. Tap Length.

5. Enter roll paper length.

Specify the roll length as follows.

- **1.** Tap the numerical input field.
- 2. Tap the keypad appearing on the operation panel, enter the roll paper length, and then tap OK.
- 3. Check the entered length and tap OK.

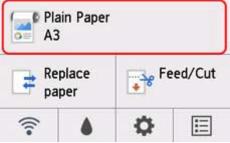
Removing the Roll from the Printer

Remove rolls from the printer as follows.

>>>> Note

- If you need to cut a printed roll, select Feed/cut in the printer menu and cut the roll paper at the desired position. (See "Specifying the Cutting Method for Rolls.")
- 1. Tap paper settings display area on Home screen of operation panel.

Ready to print



>>>> Note

• If the Home screen does not appear, press the HOME button.

2. Tap Remove paper.

3. Tap Yes.

The roll is rewound.

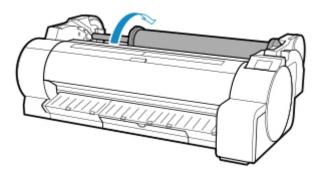
Important

• If **Manage remaining roll amount** is set to **Barcodes** in the operation panel menu, a barcode is printed on the leading edge of the roll paper.

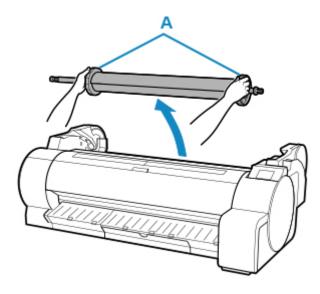
Do not remove the roll before the barcode is printed. You will be unable to keep track of the amount of roll paper left. (See "Keeping Track of the Amount of Roll Paper Left.")



4. Using both hands, rotate the roll holder toward the back to rewind the roll.



5. Hold roll holder by its flanges (A) and remove from roll holder slot.



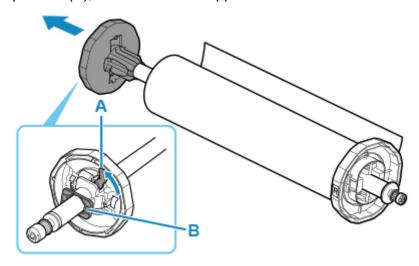
>>>> Note

- For instructions on removing the roll holder from rolls, see "Removing Rolls From the Roll Holder."
- To load new roll paper in the printer at this point, see "Loading Rolls in the Printer."
- Clean inside the top cover before loading paper.

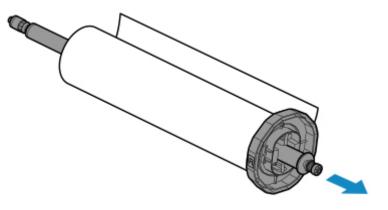
(See "<u>Cleaning Inside the Top Cover</u>.").

Removing Rolls From the Roll Holder

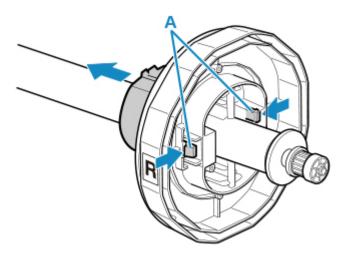
1. Rotate the holder stopper lever (A) towards **f** to release the lock, and while holding it in position (B), remove holder stopper from the roll holder.



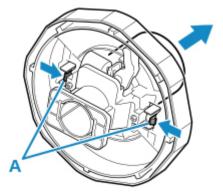
2. Remove roll holder from roll paper.



- 3. To remove 3-inch paper core attachment, press tabs (A) inward and remove attachment.
 - roll holder Side



holder stopper Side



>>>> Important

• Store the roll in the original bag or box, away from high temperature, humidity, and direct sunlight. If paper is not stored properly, the printing surface may become scratched, which may affect the printing quality when you use it again.

Feeding Roll Paper Manually

After feeding the roll paper, you can move it forward and back.

1. Tap paper settings display area on Home screen of operation panel.

Ready to print

A3				
	place per	Fe	ed/Cut	
?		0	Ξ	

>>>> Note

• If the Home screen does not appear, press the HOME button.

2. Tap Feed/Cut.

3. Tap or touch Advance and Rewind to move roll paper forward or back.

Note Note

• Tapping Advance or Rewind moves the roll paper approximately 0.04 inch (1 mm).

Touching **Advance** or **Rewind** moves the roll paper until you release the key. If "**Cannot advance the paper any more.**" appears on the operation panel, release the key.

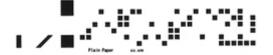
4. Tap OK when you have determined position of roll paper.

Keeping Track of the Amount of Roll Paper Left

There are two methods of managing the amount of roll paper left: by using the barcode and by estimating the amount of roll paper left.

Managing by the Barcode for the Amount of Roll Paper Left

When you set **Manage remaining roll amount** to **Barcodes** in **Device settings** on the Home screen, the amount of remaining roll paper and the media type information are printed as a barcode and text when the paper is removed. When **Manage remaining roll amount** is set to **Barcodes** and you load roll paper with a printed barcode, the media type and remaining amount are automatically detected after the roll paper is loaded. The barcode will be cut off after it has been read.



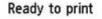
Important

• If the barcode on the roll is not detected, enter the type and length of paper on the operation panel. The length of the paper at this time can be set in **Roll length (change default)**.

Setting the Default Value of the Amount of Roll Paper Left when Managing by the Barcode

Follow the steps below when setting Manage remaining roll amount to Barcodes.

1. Tap 🍄 (Setup) on Home screen of operation panel.





>>>> Note

• If the Home screen does not appear, press the HOME button.

- 2. Tap Device settings.
- 3. Tap Paper-related settings.
- 4. Tap Manage remaining roll amount.
- 5. Tap Barcodes.

6. Check the length of the roll paper.

>>>> Note

- The length of the roll paper to be displayed can be set in **Roll length (change default)**.
 - Setting the Default Value of the Amount of Roll Paper Left when Managing by the Barcode
- If the length of the roll paper to be displayed is different from the length of the roll paper actually used, set the actual length.
- 7. Select the timing when the warning message appears.

>>>> Note

• If you increase the level in **Roll amount warning setting**, the warning message appears sooner.

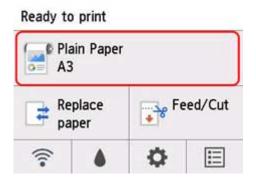
Setting the Default Value of the Amount of Roll Paper Left when Managing by the Barcode

When you select **Barcodes** in **Manage remaining roll amount** and if you feed roll paper on which no barcode is printed, such as new roll paper, the screen to enter the roll paper length (remaining amount) appears.

In this screen, the length (remaining amount) of default value appears. If the length is not correct, tap the screen and enter a correct length.

When you want to change the length (remaining amount) of default value, follow the steps below.

1. Tap paper settings display area on Home screen of operation panel.



>>>> Note

- If the Home screen does not appear, press the **HOME** button.
- 2. Tap Paper settings.
- 3. Tap Advanced.
- 4. Tap Roll length (change default).

Managing by Estimating the Amount of Roll Paper Left

When you set **Manage remaining roll amount** to **Warning message only** in **Device settings** on the Home screen, if the amount of roll paper left decreases, the Status lamp on the operation panel lights up orange and the warning message is displayed. The barcode is not printed.

The time to display warning message can be set in **Roll amount warning setting**. If you increase the level in **Roll amount warning setting**, the warning message appears sooner.

Important

- If the type of paper is not selected correctly, the amount of roll paper left may not be estimated correctly.
- When using the types of paper which are not displayed on "Paper Information List," set the paper thickness and the size of paper core with Media Configuration Tool.
 - Media Configuration Tool Guide (Windows)
 - Media Configuration Tool Guide (macOS)

Specifying the Ink Drying Time for Rolls

When you are using paper that takes longer for ink to adhere, ink may be transferred onto the paper surface during ejection, soiling it. In that case, you may be able to improve the condition by setting the time to wait for the ink to dry after printing.

Note

• If the cutter touches the print surface on which the ink is not dry, the paper surface may become scratched or soiled, or the paper surface may rub when the paper falls and the surface may become soiled.

To wait for the ink to dry without allowing printed materials to fall after printing, set **Cutting mode** on the printer menu to **Eject cut**. (See "<u>Specifying the Cutting Method for Rolls</u>.")

• The settings can also be made from the operation panel on the printer. From (Setup) on the Home screen, select Device settings>Paper-related settings>Advanced paper settings>(media types selection) and set Pause between scans or Pause between pages.

Windows

1. Display the printer driver dialog box.

(See "How to Open the Printer Driver Setup Window.")

2. Select Main sheet and click Specify... for Media Type.

	Page Setup	Layout	Favorites		uto (Use Printer Settings)	
					Get Information	Specify
	5			Easy Settings	~	
	Actual Size ter (8.5"x11") :	50 in x 11.0		Print Quality :	Photo (Color) Poster CAD (Color Line Drawing CAD (Monochrome Line Perspective, GIS Standard	
				la a la d	the second descent sheets	
1	2	1	7		ting normal documents that on hs and graphics.	contain a mixture of
١		4	7			
1		5			hs and graphics.	

3. In the **Paper Detailed Settings** dialog box displayed next, select the desired values from the lists for **Between Pages** and **Between Scans** in **Drying Time**, and then click **OK**.

(See "<u>Main Tab Description</u>.")

Paper Detailed Settings		×
Drying Time		
Between Pages :	Printer Default	~
Between Scans :	Printer Default	~
Roll Paper Safety Margin		
Near End Margin :	Printer Default	~
<u>C</u> ut Speed :	Printer Default	~
Unidirectional Printing		
ОК	Cancel De <u>f</u> a	ults <u>H</u> elp

macOS

- 1. Choose **Print** in the application menu.
- 2. Select Paper Detailed Settings panel.

	Printer:
	Presets: Default Settings
	Copies: 1
	Pages: 💽 All
	O From: 1 to: 1
	Paper Size: A4 210 by 297 m
	Orientation:
	✓ Preview
	Auto Rot Color Matching Scale: Cover Page
1 of 1	Scale to Quality & Media Color Octions
	Copies per Paper Detailed Settings
	Page Processing
	Supply Levels

3. Select desired values from lists for Dry Time (Between Pages) and Dry Time (Between Scans).

(See "Paper Detailed Settings.")

Printer:
Presets: Default Settings
Copies: 1
Pages: O All
O From: 1 to: 1
Paper Size: A4 210 by 297 mm
Orientation:
Paper Detailed Settings
Dry Time (Between Pages): Printer Default
 Dry Time (Between Scans): Printer Default
Roll Paper Safety Margin: Printer Default
Cut Speed: Printer Default
Automatic Cutting: Yes
Unidirectional Printing

Specifying the Cutting Method for Rolls

How rolls are cut after ejection varies depending on printer settings.

Automatic cut

The roll is automatically cut by the cutter blade according to the printer driver settings.

• Printer Setting

Tap paper settings display area >Paper settings>Advanced>Cutting mode>Automatic cut

• Driver Setting

Automatic Cutting>Yes

- See "Cutting Roll Paper after Printing" (Windows).
- See "Cutting Roll Paper after Printing" (macOS).

· Eject (when the paper surface is being scratched / to wait for ink to dry)

Select this to move the cutter by operation panel operation and cut paper. With **Automatic cut**, the paper drops and may rub against the basket, resulting in damage to the print surface, but you can cut using this method and supporting the paper so that it does not drop to avoid damage to the paper. Also, you can prevent paper that has not dried from dropping by visually checking the ink has dried, and then cutting the paper.

After printing, tap Cut paper and cut the roll paper on the cutter blade.

· Printer Setting

Tap paper settings display area >Paper settings>Advanced>Cutting mode>Eject cut

• Driver Setting

Automatic Cutting>Yes

- See "Cutting Roll Paper after Printing" (Windows).
- See "Cutting Roll Paper after Printing" (macOS).

Manual (when using media that cannot be cut with the cutter blade)

Select this if the paper cannot be cut on the cutter blade.

Cut each page from the roll using scissors. For continuous printing (if you will cut each page later), select **Automatic Cutting>Yes** or select **Print Cut Guideline**.

• Printer Setting

Tap paper settings display area >Paper settings>Advanced>Cutting mode>User cut

• Driver Setting

Automatic Cutting>No, Yes, Print Cut Guideline

- See "Cutting Roll Paper after Printing" (Windows).
- See "Cutting Roll Paper after Printing" (macOS).

· Paper cutting (to have the roll cut at your specified position)

Select this when you want to cut the roll paper by operating the cutter blade using the operation panel after printing with **No** or **Print Cut Guideline** selected in **Automatic Cutting** in the printer driver.

Otherwise choose this option if you want to cut the roll edge after loading a roll.

• Printer Setting

Tap paper settings display area >Feed/cut>Cut paper>Yes

• Driver Setting

Automatic Cutting>No, Yes, Print Cut Guideline

- See "Cutting Roll Paper after Printing" (Windows).
- See "Cutting Roll Paper after Printing" (macOS).

>>>> Note

- Automatic and Eject are valid only when you have selected Automatic Cutting>Yes in the printer driver.
- With Eject, printing does not resume after a series of jobs have been printed continuously until the roll is cut.
- Eject cut or User cut is the preset selection in Cutting mode for some types of paper. For this paper, we recommend keeping the preset cutting mode.
- If documents printed using Automatic, Eject, or manual cutting are short, rolls are advanced a specific amount before cutting to prevent problems with cutting and paper ejection. This may create a wider bottom margin, in some cases.

Cut rolls manually in the following cases:

Eject (when the paper surface is being scratched / to wait for ink to dry)

Important

- When cutting wide printed documents after ejection, have two people support the documents. If the paper drops, printed documents may be damaged.
- Do not lift the paper when holding printed documents before cutting. If the paper rises, it may affect the printing quality or cause rough cut edges.

Note

- Once the following step has been performed, the procedure can be started from step 7 the next time.
 - Printing the second and subsequent times
 - · Printing after replacing with the same type of paper
- **1.** Tap paper settings display area on Home screen of operation panel.

Ready to print

Pla A3	in Paper		
	place per	Fe	eed/Cut
(((•	۵	ø	E

>>>> Note

• If the Home screen does not appear, press the **HOME** button.

- 2. Tap Paper settings.
- 3. Tap Advanced.
- 4. Tap Cutting mode.
- 5. Tap Eject cut.
- 6. Print the job.

When printing is finished, the printer will stop without cutting.

 While holding the printed document from the bottom edge to prevent it from dropping, tap Cut paper to cut the roll paper.

Manual (when using media that cannot be cut with the cutter blade)

>>>> Note

- Once the following step has been performed, the procedure can be started from step 8 the next time.
 - Printing the second and subsequent times
 - Printing after replacing with the same type of paper
- **1.** Tap paper settings display area on Home screen of operation panel.

Ready to print

Pla A3	in Paper		
A 10 10 10 10 10 10 10 10 10 10 10 10 10	place per	Fe	ed/Cut
(((•	۵	¢	E

>>>> Note

• If the Home screen does not appear, press the **HOME** button.

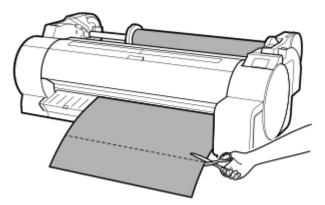
- 2. Tap Paper settings.
- 3. Tap Advanced.
- 4. Tap Cutting mode.
- 5. Tap User cut.
- 6. When Do you want to set to detect the leading edge of the paper? is displayed, select Detect (recommended).
- 7. Print the job.

The printer stops advancing the paper after printing.

8. Tap Advance paper.

Roll paper is fed to the specified cut position and then automatically stopped.

9. Cut the roll paper manually with scissors or the like.



10. Tap OK.

After the roll is rewound, it stops automatically.

Paper cutting (to have the roll cut at your specified position)

1. Tap Feed/Cut on Home screen of operation panel.



>>>> Note

- If the Home screen does not appear, press the HOME button.
- 2. Tap or touch Advance or Rewind to feed roll paper to desired cutting position.

3. Tap Cut paper.

4. Tap Yes.

After the roll paper is cut, it is rewound automatically.

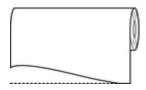
Cutting the Leading Edge of Roll Paper Automatically

If the leading edge of the paper is cut crooked or is not cut straight when roll paper is loaded, it will not print correctly. If this happens, you can cut the leading edge of the paper straight when loading a paper roll by using **Trim edge first** in the operation panel menu.

The following settings are available for Trim edge first.

• Auto

If the leading edge of the paper is cut crooked and is not cut straight when loading roll paper, cut the leading edge straight and eject the fragment of paper to prevent printing on the platen and soiling the printer.



On(Preset Length)

The amount to cut from the leading edge of the paper varies depending on the media type and is cut to a prescribed length. For the leading edge precut length, see "Paper Information List".

• On(Input Length)

The amount to cut from the leading edge of paper is specified in the operation panel. The amount to cut from the leading edge can be specified in the range of lengths displayed in the operation panel. The range of lengths differs according to the media type.

>>>> Note

• The amount to cut from the leading edge of paper cannot be set shorter than the length displayed in the operation panel.

Manual

The amount to cut from the leading edge of paper can be adjusted by using the operation panel.

To cut the paper after adjusting, tap Cut paper and select Yes.

After cutting the paper, tap Complete paper loading.

Note

- If you do not tap **Complete paper loading** after cutting the paper, you cannot print the next job.
- Off

The edge is not cut and scraps are not removed.

Follow these steps to change the **Trim edge first** setting.

1. Tap paper settings display area on Home screen of operation panel.

Ready to print

Pla A3	in Paper		
	place per	Fe	eed/Cut
(((•	۵	¢	E

>>>> Note

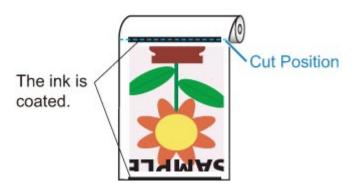
• If the Home screen does not appear, press the **HOME** button.

- 2. Tap Paper settings.
- 3. Tap Advanced.
- 4. Tap Trim edge first.
- 5. Tap desired Trim edge first settings.

This setting takes effect the next time you load a roll.

Reducing Dust from Cutting Rolls

If the paper tends to generate dust when cut, such as with Backlit Film, you can reduce flying dust by setting **Cut-dust reduction** to **ON** from the operation panel menu, which will coat the leading and trailing edges of the printed document with ink. As a result, you can reduce problems with the print head. You can set **Cut-dust reduction** according to the media type.

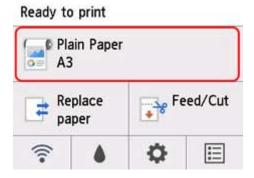


>>>> Important

- Do not set **Cut-dust reduction** to **ON** for paper that wrinkles easily, such as **Plain Paper** or lightweight paper. If not cut properly, the paper may jam.
- Borderless printing is not available when **Cut-dust reduction** is set to **ON**. When performing borderless printing, set **Cut-dust reduction** to **OFF**.

Follow these steps to set Cut-dust reduction to ON.

1. Tap paper settings display area on Home screen of operation panel.



>>>> Note

• If the Home screen does not appear, press the **HOME** button.

2. Tap Paper settings.

- 3. Tap Advanced.
- 4. Tap Cut-dust reduction.

5. Tap ON.

Detecting Roll Paper was Replaced While the Power was Off

When you turn the printer on, it can confirm whether the roll paper was replaced while the power was off.

From **Device settings** on the Home screen, set **Auto feed at power on** to **Enable** to detect the position of the roll paper's leading edge when the power is turned on. If the position of the roll paper's leading edge is over 1 mm since the last time the power was turned off, the printer determines that the roll paper has been replaced, and then starts feeding paper automatically to detect the paper width and the barcode for the management of unused roll paper.

>>>> Note

• Setting **Auto feed at power on** to **Enable** causes the operations that can be done after turning on the power to take longer since the printer must detect the leading edge of the roll paper.

Follow these steps to set **Auto feed at power on** to **Enable** as follows.

1. Tap (Setup) on Home screen of operation panel.

Ready to print

A3	in Paper	
Pa	place per	Feed/Cut
(((•	۵	۵ 🗉

>>>> Note

- If the Home screen does not appear, press the **HOME** button.
- 2. Tap Device settings.
- 3. Tap Paper-related settings.
- 4. Tap Auto feed at power on.
- 5. Tap Enable.

Handling sheets

- Loading Sheets in the Printer
- Changing the Type of Paper
- > Printing From a Desired Starting Point
- Removing Sheets
- Remove a Jammed Sheet

Loading Sheets in the Printer

The following are two ways to load sheets into the printer.

- Using the Roll Holder to Load Sheets
- Using the Paper Alignment Line to Load Sheets

If using the roll holder to load sheets does not work well, try using the paper alignment line to load the sheets.

Important

- One sheet of paper can be loaded in the feed slot at a time. Do not load more than one sheet at a time. This may cause paper jams.
- Paper that is wrinkled or warped may jam. If necessary, straighten the paper and reload it.
- Load the paper straight. Loading paper askew will cause an error. (See "1317.")

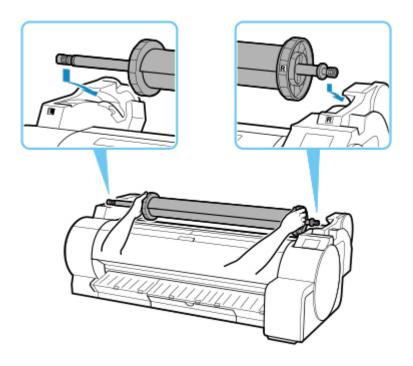
>>>> Note

- For details on the sheet sizes that can be used, see "Sheets" in "Paper Sizes".
- Before loading cut sheets, check whether or not the inside of the top cover or the output guide is soiled. If these areas are dirty, we recommend cleaning them in advance. (See "<u>Cleaning Inside the Top</u> <u>Cover</u>.").
- Store unused paper in the original package, away from high temperature, humidity, and direct sunlight.
- Watch the movie

Using the Roll Holder to Load Sheets

1. Attach the roll holder.

Attach the roll holder, which holds the loaded roll paper, to the printer.



>>>> Note

- For how to attach the roll holder, see "Loading Rolls in the Printer."
- Do not insert roll paper into the paper feed slot.
- 2. Select sheets as the paper source.
 - If a print job was received

Sheets are automatically selected, and the media type and size specified by the print job are shown on the operation panel.

Tap **OK** and Load paper.

- · If no print job was received
 - 1. Tap Load paper or Replace paper.

Ready to print



2. Tap Load cut sheet or Replace cut sheet.

Note

• If the Home screen does not appear, press the **HOME** button.

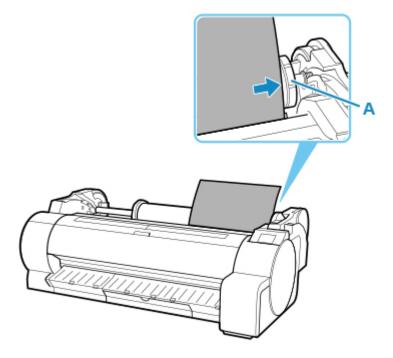
>>>> Note

• If any paper has been advanced that will not be used, a message is shown requesting you to remove it.

Follow the instructions on the screen to remove the paper, and redo the operation.

3. Align the sheets to load them onto the roll holder.

With their print side up, place the sheets against the flange (A) of the roll holder.

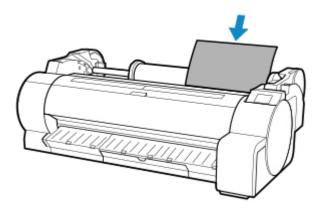


>>>> Note

- Load the sheets so that the long side of the loaded paper is vertical.
- If there is a lot of roll paper remaining, you may not be able to place the sheets against the flange (A) on the right side of the roll holder.
- If the width of the sheets is larger than the width of the loaded roll paper, you may not be able to load the sheets.
- If printing cannot be done well using the method explained above, try <u>Using the Paper Feed</u> <u>Guide to Load Sheets</u>.
- 4. Load the sheets into the paper feed slot.

Insert the paper until the leading edge makes contact.

An alarm sounds when the paper is inserted into the paper feed position.



5. Tap Start feeding.

• If a print job was received

Tap **Start feeding** to feed the paper and begin printing.

If no print job was received

A menu for selecting the media type appears.

Select the media type loaded and tap **OK**.

The printer now starts feeding the paper.

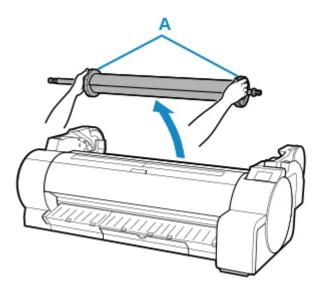
Note

· For details on media types that you can select, see "Paper Information List."

Using the Paper Feed Guide to Load Sheets

1. Remove the roll holder.

Remove the roll holder if it is attached to the printer.





- For how to remove the roll holder, see "Removing the Roll from the Printer."
- 2. Select sheets as the paper source.

· If a print job was received

Sheets are automatically selected, and the media type and size specified by the print job are shown on the operation panel.

Tap **OK** and Load paper.

· If no print job was received

1. Tap Load paper or Replace paper.

Ready to print

Carlo The	ere is no	paper.	
Loa pa	ad per	Fe	ed/Cut
((1-	۵	¢	E

2. Tap Load cut sheet or Replace cut sheet.

Note Note

• If the Home screen does not appear, press the HOME button.

>>>> Note

• If any paper has been advanced that will not be used, a message is shown requesting you to remove it.

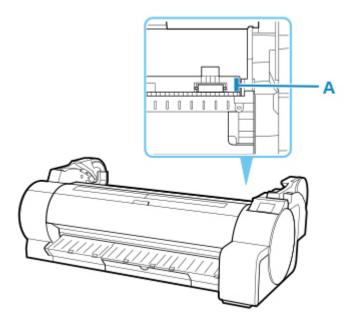
Follow the instructions on the screen to remove the paper, and redo the operation.

3. Use the paper alignment line to align and load the sheets.

With its print side up, load a sheet in the paper feed slot, with the right edge aligned with the paper alignment line's white line (A), and then insert the sheet into the paper slot.

Insert the paper until the leading edge makes contact.

An alarm sounds when the paper is inserted into the paper feed position.



4. Tap Start feeding.

• If a print job was received

Tap **Start feeding** to feed the paper and begin printing.

If no print job was received

A menu for selecting the media type appears.

Select the media type loaded and tap **OK**.

The printer now starts feeding the paper.

>>>> Note

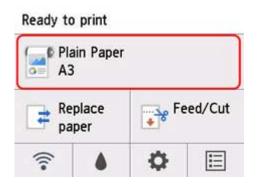
• For details on media types that you can select, see "Paper Information List."

Printing From a Desired Starting Point

Print on sheets from a desired starting point as follows.

Setting Detect paper width to Disable

1. Tap paper settings display area on Home screen of operation panel.



>>>> Note

• If the Home screen does not appear, press the HOME button.

- 2. Tap Paper settings.
- 3. Tap Advanced.
- 4. Select Detect paper width and tap Disable.

Load paper in the desired position to start printing from

Follow these instructions to load paper at the desired starting position for printing when **Detect paper** width is set to **Disable**.

1. If you did not send a print job in advance, a menu for selection of the type of paper is displayed.

Tap media type loaded.

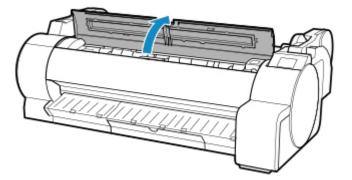


• If a print job was received before the paper was fed, the media type and size specified by the job are shown on the operation panel.

Go to step 2.

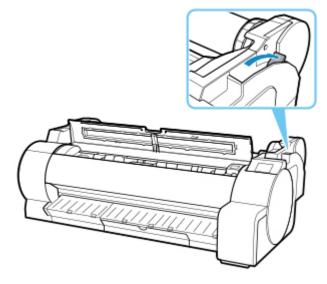
2. When "[Detect paper width] is disabled. Do you want to keep it disabled and continue?" appears on operation panel, tap Keep it disabled and continue.

3. Open top cover and check position where paper is loaded.

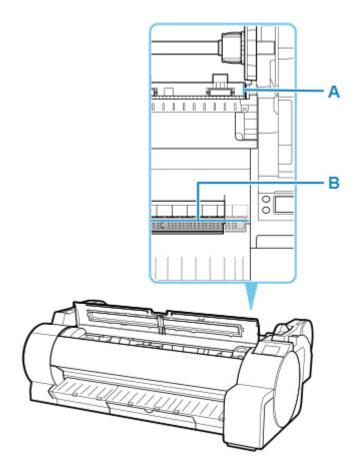


To start printing from the current position, close the top cover.

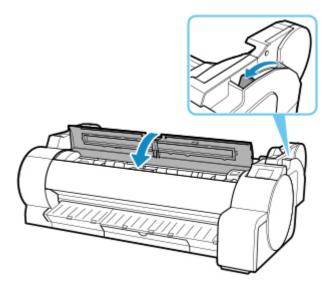
To reposition the paper, push the release lever back.



4. Load paper keeping right edge of paper aligned with extended line of paper alignment line (A) on right side of printer and position from which to start printing aligned with groove (B) at far end of platen.



5. Pull the release lever forward and close the top cover.



6. When screen for selecting paper size appears, select size of paper loaded.

Removing Sheets

Remove sheets from the printer as follows.

1. Tap paper settings display area on Home screen of operation panel.

Ready to print

	Plain Paper A4			
Replace paper		the Filler	eed/Cut	
((:-	۵	\$	E	

>>>> Note

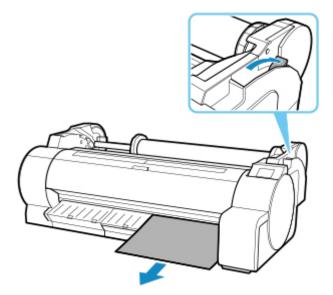
• If the Home screen does not appear, press the **HOME** button.

2. Tap Remove paper.

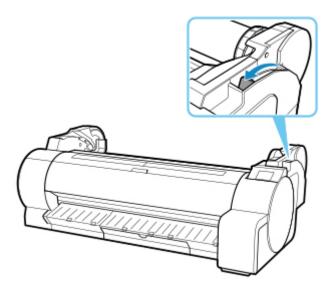
3. Check operation panel message and tap Yes.

The paper is ejected from the front of the printer.

4. Holding the paper, push the release lever back and remove the sheet.



5. Pull the release lever forward.



Basket

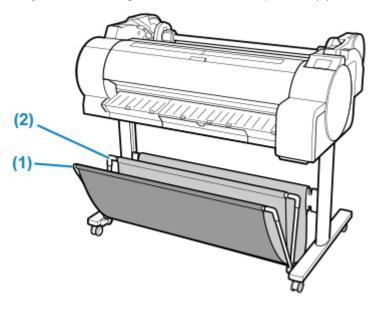
Using the Basket

Using the Basket

You can store printed documents in the basket.

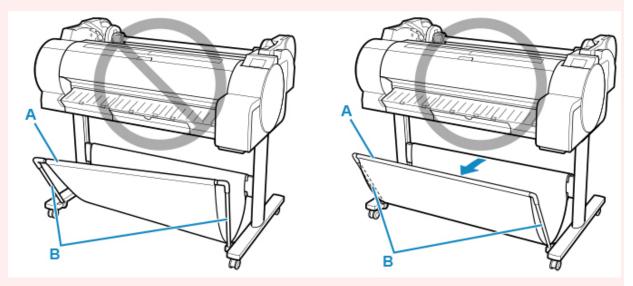
When storing printed documents in the basket, use the basket in position (1).

When you are not using the basket, store it in position (2).



>>>> Important

- When storing printed documents on the basket, always use it in position (1). If you do not, printed documents may not be dropped into the basket, and the printed surface may become soiled.
- To store printed documents in the basket, first pull down the side rod (B) evenly so that the front rod (A) is not askew, and then use the basket.



- The number of sheets that can be collected in the basket is one. If printing multiple pages, print after removing each sheet.
- The basket can hold printed documents from paper up to 48 inches (1219.2 mm) long.

- When moving the stand, make sure that the basket does not graze the floor and that all four of the casters are unlocked before moving the stand. Not doing so may damage the basket, scratch the floor, or cause injuries.
- If the cloth part of the basket becomes dirty, wipe off the dirt without washing. Washing it may affect the performance of the basket.

Changing Settings from Operation Panel/Web Browser

Operations and Touch Screen

- Operation Panel
- Touch Screen
- Checking Instructions During Printer Operations

Changing Settings from Operation Panel

- Printer Menu Operations
- Menu Operations
- Menu Structure
- Changing Settings from Operation Panel
- Setting Items on Operation Panel
- HP-GL/2 Settings
- Status Print

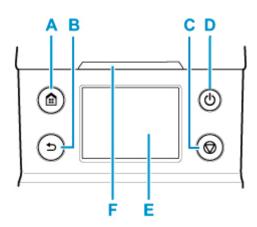
Changing Printer's Setting Using Web Browser

- Configuration Changes Using Web Browser
- Changeable Setting Items Using Web Browser
- Setting Password
- Registering Printer's Root Certificate to Web Browser for SSL Communication (Remote UI)
- Registering Printer's Root Certificate to Local Computer for SSL Communication
- Generating Server Certificate (Self-signed Certificate)
- Setting Mail Server
- Receiving Printer Status by E-mail

Operations and Touch Screen

- Operation Panel
- Touch Screen
- Checking Instructions During Printer Operations

Operation Panel



A: HOME button

The HOME screen appears.

Touch Screen

B: Back button

Displays the screen before the current screen.

C: Stop button

Cancels print jobs in progress and ends the ink drying period.

D: ON button/ON lamp

Turns the printer on and off.

Turning the Printer On and Off

The **ON** lamp is lit when the printer is on or in Sleep mode.

E: Touch Screen

Shows printer menus, as well as the printer status and messages. You can select menu items and display buttons by gently touching the screen with your fingertip.

Touch Screen

F: Status lamp

• Flashing (white)

During printing, this lamp flashes when the printer is receiving or processing print jobs. Otherwise, this lamp flashes when the print job is paused or the printer is updating the firmware.

• Lit (orange)

A warning message is displayed.

• Flashing (orange)

An error message is displayed.

• Off

There are no active print jobs, warnings, or errors.

>>>> Note

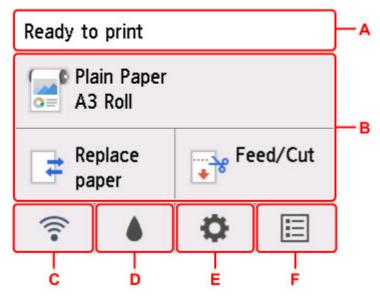
- When the printer is in Sleep mode, to restore the display, press the buttons on the operation panel or touch the touch screen.
- When Operation panel lock is enabled, touch screen operations are invalid. For details on Operation panel lock, see <u>Changeable Setting Items Using Web Browser</u>.

Touch Screen

After the printer starts up, the HOME screen appears on the touch screen.

From the HOME screen, you can check the printer status and select the maintenance, paper operations, settings, and other menus.

Basic Touch Screen Operations



A: Printer Information Display Area

Displays the printer status, messages, and other information. Tap this item when a message appears to view the message on the list screen and to jump to the screen with detailed information and operations.

Notification Messages

B: Paper Setting Display Area

Displays the information on loaded paper on the upper area. Tapping this option displays the menu relating paper and allows the paper settings. **Replace paper** and **Feed/Cut** frequently used in the menu appears on the lower area, and you can directly select.

C: Network

Displays the current network status. Select to display the basic network information or to change the network settings.

The icon differs depending on the network of use or the network status.



Wi-Fi is enabled and the printer is connected to the wireless router.

>>>> Note

• Depending on the signal state, the icon will change.



(Signal strength: 81 % or more): You can use the printer over a Wi-Fi without any problems.

(Signal strength: 51 % or more): The problem such as the printer cannot print may occur according to the network status. We recommend placing the printer near the wireless router.

(Signal strength: 50 % or less): The problem such as the printer cannot print may occur. Place the printer near the wireless router.



Wi-Fi is enabled but the printer is not connected to the wireless router.



Wired LAN is enabled.



Wireless Direct is enabled.



Wi-Fi and Wired LAN are disabled.

D: Ink information

Selects when checking current estimated ink levels or replacing ink tanks.

E: Setup

Selects when changing the printer settings, performing maintenance, or checking printer information.

F: Job management

Select when checking or deleting print jobs.

Basic Touch Screen Operations

You can select various functions and settings by gently touching and swiping the touch screen with your fingertip.

Important

- Take the following precautions when operating the touch screen. Otherwise, the touch screen may malfunction or become damaged.
 - Do not forcibly press the touch screen with your finger.
 - Do not press the touch screen with an object other than your finger (such as a ballpoint pen, pencil, fingernail, or other object with a sharp tip).
 - · Do not operate the touch screen with wet or dirty hands.
 - Do not place objects on top of the touch screen.

• Do not place a protective film over the touch screen. Removing it can damage the touch screen.

Тар

Gently touch with your fingertip and then release.

Use this when selecting an item on the screen.



Touch

Gently touch with your fingertip.

To go (or return) to a menu or list, touch the directional mark.



Flick

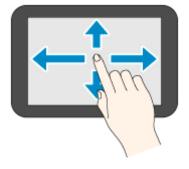
Drag and release your finger up, down, left, or right.

Use this to quickly scroll through a menu or list.



Drag

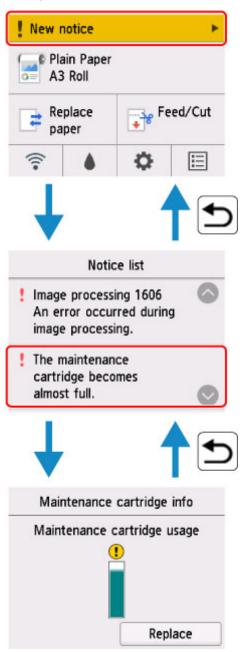
Move your finger up, down, left, or right while gently keeping it in contact with the touch screen. Use this to move a menu or list while viewing it.



Notification Messages

When the ink is low or there is another notification, **New notice** appears in the printer information display area. Tap this to display the **Notice list** screen to view messages with the newest one appearing first. Tap a message to display the message details screen to view the details and take action.

Example: Notices on the maintenance cartridge



Checking Instructions During Printer Operations

You can refer to instructions on the touch screen when loading paper, replacing ink tanks, or performing other operations.

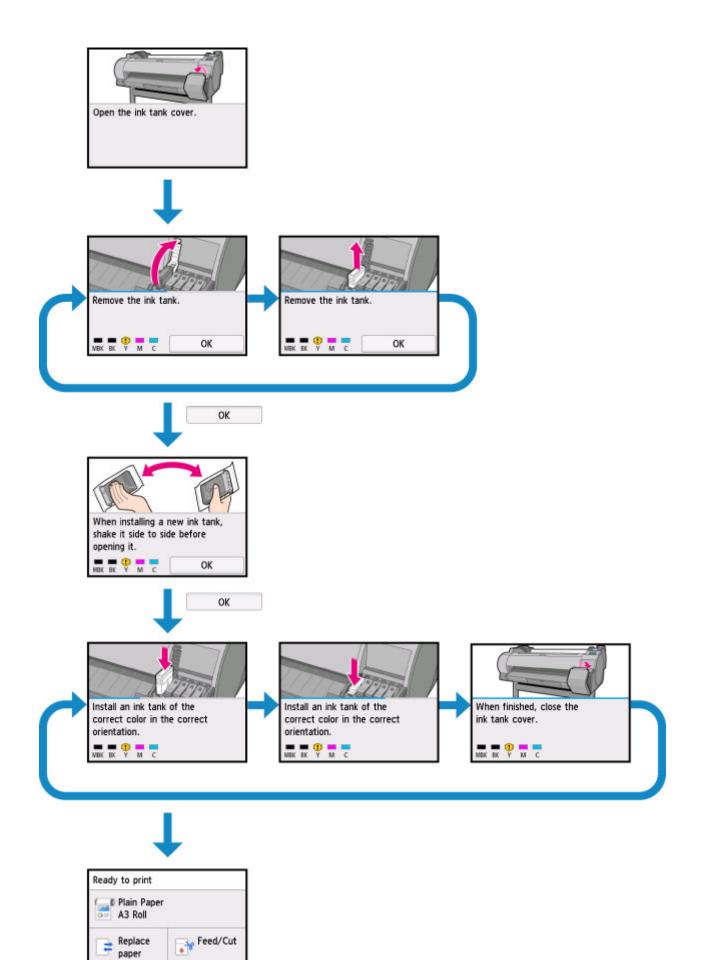
How to view instructions

Once you complete an action described in the instructions, the printer detects the action and switches to the next instruction screen.

Operation screens are switched every 3 seconds, and the sequence of operations is shown repeatedly.

For actions the printer cannot detect, tap **OK** to display the instruction screen for the next step.

Example: Ink tank replacement



1

4

¢

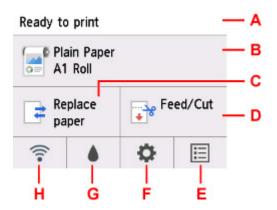
=

Changing Settings from Operation Panel

- Printer Menu Operations
- Menu Operations
- Menu Structure
- > Changing Settings from Operation Panel
- Setting Items on Operation Panel
- HP-GL/2 Settings
- Status Print

Printer Menu Operations

On the HOME screen, the current status of the printer and buttons for displaying various menus are displayed.



A. Printer status

Displays the current status (Ready to print / Printing...) of the printer.

B. Paper information

Displays the current paper information.

It is grayed out during printing.

Tap to display Paper menu.

C. Replace paper

It is grayed out during printing.

Tap this button to change the roll paper or to set the cut paper.

D. Feed/Cut

It is grayed out when paper feed mode is cut paper or during printing.

Tap this button to feed or cut roll paper.

E. Jobs

Tap to display Job management menu.

Job management
Print job
Job history
Pause printing
Delete all print jobs

F. Setup

Tap to display Setup menu.

Setup
Device settings
Maintenance
Printer information
Total print area

G. Ink

Tap to display the current ink level.

Also tap this button when replacing ink.



H. Network

Displays the current status of the LAN as an icon.

It is grayed out during printing.

Tap to display **LAN settings** menu.

	LAN settings
(((•	Wi-Fi
\mathbb{Z}	Wireless Direct
꽝	Wired LAN
	Print details

>>>> Note

• The values set in the menu on the operation panel are applied to all print jobs. However, if the same setting item exists in the printer driver, the setting value of the printer driver takes precedence.

Menu Operations

The operation panel has a touch screen (A) and several buttons (B).

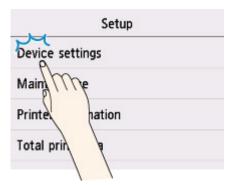
Flick the touch screen and tap the displayed button or item with your finger to select a menu.

Ready to print Plain Paper A1 Roll Replace paper	Feed/Cut	

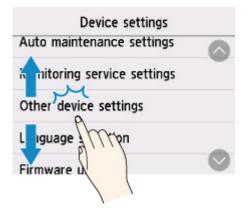
Example of Using Touch Screen

Example: Operation to change the setting of automatic power off time

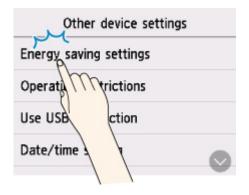
1. On the HOME screen, tap (Setup). Ready to print Plain Paper A1 Roll Replace paper Feed/Cut 2. Tap Device settings.



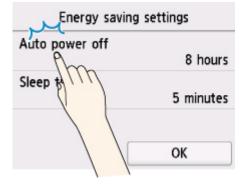
3. Flick up and down and tap Other device settings.



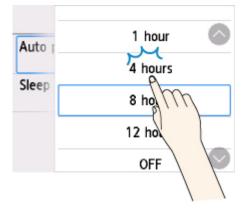
4. Tap Energy saving settings.



5. Tap Auto power off.



6. Tap the time you want to set.



7. Tap OK.

Energy saving s	ettings
Auto power off	
	4 hours
Sleep timer	
	5 minutes
	OK
	Pm-
	dill
	(1)

When the setting is completed, press the **HOME** button to return to the HOME screen.

You can also go back to the screen one level higher by pressing the **Back** button and continue with other settings.

Menu Structure

The * on the right side of an item indicates the default value.

• Paper menu (when roll paper is loaded)

This menu is displayed by tapping paper information area.

Replace paper	
Feed/Cut	
Remove paper	
Paper settings	
	Width
	Туре
	Advanced

• Paper menu (when cut sheet is loaded)

This menu is displayed by tapping paper information area.

Replace paper	
Remove paper	
Paper settings	
	Page size
	Туре
	Advanced

Replace paper

• Feed/Cut

This menu is displayed when roll paper is loaded.

LAN settings

This menu is displayed by tapping **Network** icon.

Wi-Fi Connection Network name (SSID) Communication mode Channel Wi-Fi security IPv4 address IPv4 subnet mask IPv4 default gateway

	dynamic setting			
IPv4 DNS I	nost name			
IPv4 DNS o	domain name			
IPv6 link-lo	ocal address			
IPv6 link-lo	ocal prefix length			
IPv6 manu	al address			
IPv6 manu	al prefix length			
IPv6 statel	ess address 1			
IPv6 statel	ess prefix length 1			
IPv6 statel	ess address 2			
IPv6 statel	ess prefix length 2			
IPv6 statel	ess address 3			
IPv6 statel	ess prefix length 3			
IPv6 statel	ess address 4			
IPv6 statel	ess prefix length 4			
DHCPv6				
DHCPv6 st	tateful address			
DHCPv6 st	DHCPv6 stateful prefix length			
IPv6 defau	Pv6 default gateway 1			
IPv6 defau	It gateway 2			
IPv6 defau	Pv6 default gateway 3			
IPv6 defau	It gateway 4			
IPv6 prima	ry DNS server address			
IPv6 secor	ndary DNS server add.			
IPv6 DNS o	dyn. update: manual			
IPv6 DNS o	dyn. update: stateless			
IPv6 DNS dyn. update: stateful				
IPv6 Use II	Pv4 host/domain name			
IPv6 DNS I	nost name			
IPv6 DNS o	domain name			
MAC addre	>SS			
IPsec setti	ngs			
Printer nar	ne			
Bonjour se	ervice name			
Settings				

	Ena	ble / Disable
	Wi-Fi setup	
	Eas	y wireless connect
	Mar	ual connect
	WP	S (Push button method)
	Oth	er connection types
		Manual connect (adv.) / WPS (PIN code method)
	Advanced	
Wireless Direct		

Wireless Direct

Cor	Connection			
Net	Network (SSID)/device name			
Pas	Password			
Cor	nmunication mode			
Cha	nnel			
Wi-	Fi security			
IPv4	address			
IPv4	l subnet mask			
IPv4	4 default gateway			
IPv4	DNS dynamic setting			
IPv4	1 DNS host name			
IPv4	1 DNS domain name			
IPv	IPv6 link-local address			
IPv	IPv6 link-local prefix length			
MA	MAC address			
IPse	IPsec settings			
Prir	iter name			
Bor	Bonjour service name			
Set	ings			
	Enable/disable Wireless Direct			
	Yes / No			
	Update SSID/password			
	Yes / No			
	Wireless Direct device name			
	Connection request confirmation			
	ON* / OFF			
	Advanced			
-				

Vired L	AN
	Connection
	IPv4 address
	IPv4 subnet mask
	IPv4 default gateway
	IPv4 DNS dynamic setting
	IPv4 DNS host name
	IPv4 DNS domain name
	IPv6 link-local address
	IPv6 link-local prefix length
	IPv6 manual address
	IPv6 manual prefix length
	IPv6 stateless address 1
	IPv6 stateless prefix length 1
	IPv6 stateless address 2
	IPv6 stateless prefix length 2
	IPv6 stateless address 3
	IPv6 stateless prefix length 3
	IPv6 stateless address 4
	IPv6 stateless prefix length 4
	DHCPv6
	DHCPv6 stateful address
	DHCPv6 stateful prefix length
	IPv6 default gateway 1
	IPv6 default gateway 2
	IPv6 default gateway 3
	IPv6 default gateway 4
	IPv6 primary DNS server address
	IPv6 secondary DNS server add.
	IPv6 DNS dyn. update: manual
	IPv6 DNS dyn. update: stateless
	IPv6 DNS dyn. update: stateful
	IPv6 Use IPv4 host/domain name
	IPv6 DNS host name
	IPv6 DNS domain name
	MAC address

IPsec se	Psec settings		
Printer r	name		
Bonjour	service name		
Settings			
	Enable/disable Wired LAN		
	Enable / Disable		
	Advanced		
details			

Ink information

This menu is displayed by tapping **Ink** icon.

Current estimated ink levels				
Replace				
Order ink now				

• Setup

This menu is displayed by tapping **Setup** icon.

Device se	ice settings					
Tes	st print					
	Nozzle Check					
	Status print					
	Status print (administrator)					
	Print LAN details					
	Print setting print					
	Print advanced paper settings					
	Print job history					
	Print menu map					
	Print color list for palettes					
Pri	nt settings					
	Print head movable width setting					
	Data width* / Maximum movable width / Paper width					
	Prioritize paper size					
	Enable / Disable*					
	JPEG print settings					
	Print quality settings					
	Color mode					

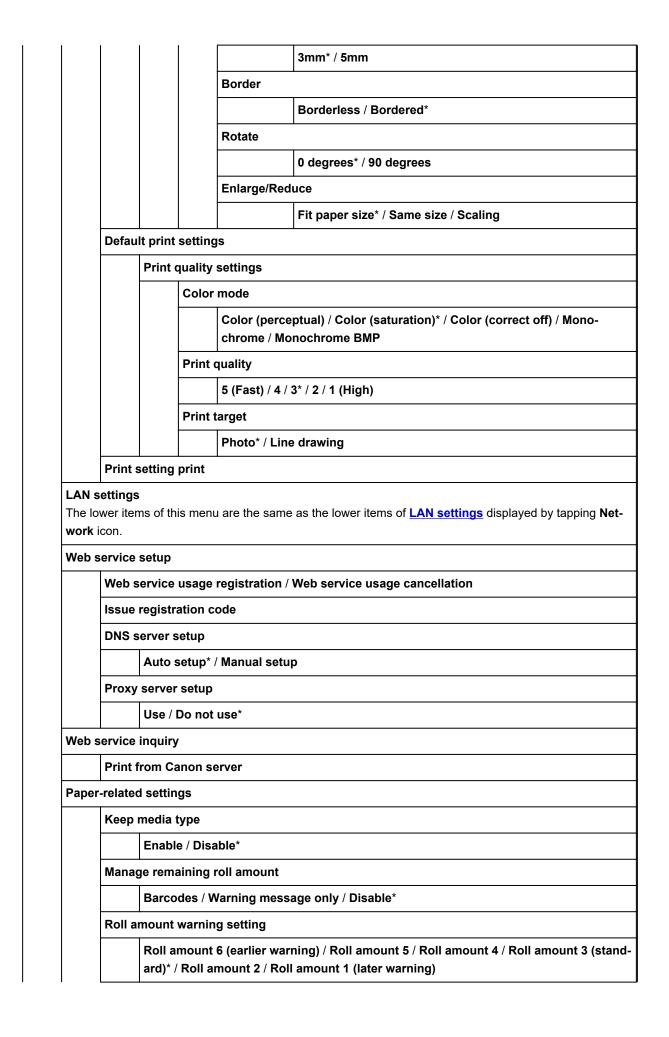
	Color (perceptual) / Color (saturation)* / Color (correct off) / Mono- chrome / Monochrome BMP
	Print quality
	5 (Fast) / 4 / 3* / 2 / 1 (High)
	Input resolution
	600 dpi / 300 dpi*
	Print target
	Photo* / Line drawing
Pa	per settings
	Paper src
	Auto select* / Roll paper / Manual
	Margin
	3mm* / 5mm
	Border
	Borderless / Bordered*
	Rotate
	0 degrees* / 90 degrees
	Enlarge/Reduce
	Fit paper size* / Same size / Scaling
IP-GL/2 p	print settings
Pri	nt quality settings
	Color mode
	Color (perceptual) / Color (saturation)* / Color (correct off) / Mono- chrome / Monochrome BMP
	Print quality
	5 (Fast) / 4 / 3* / 2 / 1 (High)
	Input resolution
	600 dpi* / 300 dpi
	Print target
	Photo / Line drawing*
Pa	per settings
	Paper src
	Auto select* / Roll paper / Manual
	Margin
	3mm* / 5mm
	Oversize

		Enable* / Dis	sable			
	Cons	Conserve paper				
		ON / OFF*				
	Rotate					
		0 degrees* /	90 degrees			
ĺ	Auto	rotation				
		ON / OFF*				
	Enlar	ge/Reduce				
		Fit paper siz	e / Same size	* / Scaling		
	Print	centered				
		ON / OFF*				
	Cut to	standard siz	e			
		ON / OFF*				
	Mirro	r				
		ON / OFF*				
ne	& pen n	nanager				
	Merge	Merge				
		ON / OFF*				
	Pen s	etup				
		Select palett	te			
			Software*/Pa	alette A/Palett	e B/Factory	
		Define palet	te			
			Palette A			
				Pen 0 to Pen	15	
					n 15 have the	same menu struc-
				ture.	ulto	
				Here to Defau		
					Width	1
						0.04mm/0.08mm 0.13mm/0.18mm
						0.25mm/0.35mm
						0.50mm/0.65mm
						0.70mm/0.80mm 0.90mm/1.0mm
					1	
						1.4mm/2.0mm/
						1.4mm/2.0mm/ 3.0mm/5.0mm

					Color	
						0 to 255
					Line attribut	es
						No setting/Circle setting
			Palette B			
				Menu structu	re same as Pa	lette A
			Factory			
				Pen 0 to Pen	15	
				* Pen 0 to Pei ture.	n 15 have the s	same menu struc-
				Here to Defau	<u>ults</u>	
					Width	
					Color	
					Line attribut	es
		Reset palette	1			
			All palettes/	Palette A/Pale	tte B	ſ
	Smoo	I				
		Software* / S	Smoothing			
	Thick	en fine lines				
	Adiua	ON / OFF*				
	Adjus	t faint lines				
	Width	correction				
		Black/gray				
			-20 / -19 /	/ -1 / 0* / 1 /	/ 19 / 20	
		Color				
			-20 / -19 / /	/ -1 / 0* / 1 /	/ 19 / 20	
	Print	l color list for p				
Proc	essing c					
	Warni	ing display				
		Enable / Disa	able*			
	Detec	t image size				
		OFF* / Comm	nand priority			
ect print	settings	s from FTP				
Print	setting	s 1				
·						

1				n
		Print q	uality setting	jS
			Color mode	
				Color (perceptual) / Color (saturation)* / Color (correct off) / Monochrome / Monochrome BMP
			Print quality	
				5 (Fast) / 4 / 3* / 2 / 1 (High)
			Print target	
				Photo* / Line drawing
		Paper	settings	
			Paper src	
				Auto select* / Roll paper / Manual
			Margin	
				3mm* / 5mm
			Border	
				Borderless / Bordered*
			Rotate	
				0 degrees* / 90 degrees
			Enlarge/Red	
	Drint	settings		Fit paper size* / Same size / Scaling
	FILL	-	uality setting	IS
			Color mode	
				Color (perceptual) / Color (saturation)* / Color (correct off) / Monochrome / Monochrome BMP
			Print quality	
				5 (Fast) / 4 / 3* / 2 / 1 (High)
			Print target	
				Photo* / Line drawing
		Paper	settings	
			Paper src	
			•••	Auto select* / Roll paper / Manual
			Margin	2mm* / 5mm
			Border	3mm* / 5mm
			Border	Borderless / Bordered*
			Rotate	

	0 degrees* / 90 degrees					
	Enlarge/Reduce					
	Fit paper size* / Same size / Scaling					
Print settings 3						
Pi	rint quality settings					
	Color mode					
	Color (perceptual) / Color (saturation)* / Color (correct off) / Monochrome / Monochrome BMP					
	Print quality					
	5 (Fast) / 4 / 3* / 2 / 1 (High)					
	Print target					
	Photo* / Line drawing					
Pa	aper settings					
	Paper src					
	Auto select* / Roll paper / Manual					
	Margin					
	3mm* / 5mm					
	Border					
	Borderless / Bordered*					
	Rotate					
	0 degrees* / 90 degrees					
	Enlarge/Reduce					
	Fit paper size* / Same size / Scaling					
Print settings 4						
PI	rint quality settings					
	Color mode					
	Color (perceptual) / Color (saturation)* / Color (correct off) / Monochrome / Monochrome BMP					
	Print quality					
	5 (Fast) / 4 / 3* / 2 / 1 (High)					
	Print target					
	Photo* / Line drawing					
Pa	aper settings					
	Paper src					
	Auto select* / Roll paper / Manual					
	Margin					



	Detect nemes actions microstale						
	Detect paper setting mismatch						
	Pause / Display warning* / Do not detect						
Advance	Advanced paper settings						
Paper siz	Paper size recognition settings						
R	oll paper setting 1						
R	oll paper setting 2						
R	Roll paper setting 3						
R	Roll paper setting 4						
R	Roll paper setting 5						
R	Roll paper setting 6						
R	Roll paper setting 7						
Auto fee	d at power on						
Er	nable* / Disable						
Print adv	vanced paper settings						
Reset pa	per settings for all paper						
Auto maintenan	nce settings						
Auto noz	Auto nozzle check						
St	Standard* / 1 page / 10 pages / Disable						
Nozzle cl	heck error display						
E	nable / Disable*						
System o	cleaning frequency						
St	Standard* / Short						
Print pat	Print pattern after new head						
O	ON / OFF*						
Aonitoring serv	vice settings						
Enable/d	lisable monitoring service						
E	Enable / Disable*						
Commun	Communication test						
Commun	nication log						
Timing fo	Timing for ink level notification						
St	Standard* / Earlier notification						
Other device se	ettings						
Energy s	saving settings						
	uto power off						
	5 minutes / 10 min. / 30 min. / 1 hour / 4 hours / 8 hours / 12 hours / OFF						
SI	leep timer						

	5 minutes* / 10 min. / 15 min. / 20 min. / 30 min. / 40 min. / 50 min. / 60 min.					
Ope	Operation restrictions					
	Job history					
	Restrict / Do not restrict*					
	Remote UI					
	Restrict / Do not restrict*					
Use	USB connection					
	Use* / Do not use					
Date	Date/time setting					
	Date settings					
	Time setting					
Date	e display format					
	YYYY/MM/DD / MM/DD/YYYY / DD/MM/YYYY					
Time	e zone (GMT)					
	0 / +1 / / +12 / -12 / / -1					
Sou	nd control					
	Keypad sound					
	ON/ OFF*					
	Alarm sound					
	ON* / OFF					
Lenç	gth unit setting					
	Meters* / Feet/inches					
EOP	timer setting					
	1 minute / 2 minutes / 5 minutes / 10 minutes* / 30 minutes / 60 minutes					
Job	history sending setting					
	Send / Do not send*					
juage s	selection					
ware u	pdate					
Insta	all update					
Che	ck current version					
Upd	ate notification setting					
	Yes* / No					
DNS	server setup					
	Auto setup* / Manual setup					
Prox	ky server setup					
	Use / Do not use*					

Admir	istrator password setting				
	Remote UI or other tools / LCD, Remote UI, or other tools				
nance					
Nozzle	e Check				
Print ł	nead cleaning				
	Cleaning				
	All colors / Pattern 1 / Pattern 2				
	Deep Cleaning				
	All colors / Pattern 1 / Pattern 2				
	System cleaning				
	All colors / Pattern 1 / Pattern 2				
Print ł	nead alignment				
	Auto (standard)				
	Roll paper / Manual				
	Auto (advanced)				
	Roll paper / Manual				
	Manual				
	Roll paper / Manual				
Print ł	nead angle adjustment				
Paper	feed adjustment				
	Set priority				
	Roll paper				
	Auto* / Prioritize print quality / Prioritize length accuracy				
	Manual				
	Auto* / Prioritize print quality / Prioritize length accuracy				
	Adjust print quality				
	Auto				
	Roll paper / Manual				
	Manual				
	Roll paper / Manual				
	Adjust feed length				
	Print alignment pattern				
	Roll paper / Manual				
	Change adjustment values				
	-0.70% / -0.68% / / 0.68% / 0.70%				

Maintenance carringe usage Replace Head replacement Replace cutter blade unit Platen cleaning Prepare to move Move on the same floor / Transport outdoors Printer information System information Current version Printer name Serial number MAC address (Wi-Fi) MAC address (Wi-Fi) MAC address (Wi-Fi) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Image: Inter Paper feed/transfer error Vage totals Total print area Ink consumed Duty counter Head Information							
Head replacement Replace cutter blade unit Platen cleaning Prepare to move Move on the same floor / Transport outdoors Printer information System information Current version Printer name Serial number MAC address (Wi-Fi) MAC address (Wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head Information		Maintenance cartridge usage					
Replace cutter blade unit Platen cleaning Prepare to move Move on the same floor / Transport outdoors Printer information System information Current version Printer name Serial number MAC address (Wi-Fi) MAC address (Wied LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information							
Plater cleaning Prepare to move Move on the same floor / Transport outdoors Printer information System information Current version Printer name Serial number MAC address (Wi-Fi) MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information	Head	Head replacement					
Prepare to move Move on the same floor / Transport outdoors Printer information System information Printer name Serial number MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Vage totals Ink consumed Duty counter Head information	Repla	ce cutter blade unit					
Move on the same floor / Transport outdoors Printer information System information Qurrent version Printer name Serial number MAC address (Wi-Fi) MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information	Plater	n cleaning					
Printer information System information System information Qurrent version Printer name Serial number MAC address (Wi-Fi) MAC address (Wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information	Prepa	Prepare to move					
System information Current version Printer name Serial number MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Move on the same floor / Transport outdoors					
Current version Printer name Serial number MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information	Printer inform	mation					
Printer name Serial number MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information	Syste	m information					
Serial number MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Current version					
MAC address (Wi-Fi) MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Printer name					
MAC address (wired LAN) Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Serial number					
Root cert. thumbprint (SHA-1) Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		MAC address (Wi-Fi)					
Root cert. thumbprint (SHA-256) Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		MAC address (wired LAN)					
Error history Error history Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Root cert. thumbprint (SHA-1)					
Hardware error Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Root cert. thumbprint (SHA-256)					
Recoverable error Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information	Error	Error history					
Paper feed/transfer error Usage totals Total print area Ink consumed Duty counter Head information		Hardware error					
Usage totals Total print area Ink consumed Duty counter Head information		Recoverable error					
Total print area Ink consumed Duty counter Head information		Paper feed/transfer error					
Ink consumed Duty counter Head information	Usage	sage totals					
Duty counter Head information		Total print area					
Head information		Ink consumed					
		Duty counter					
Serial number	Head	Head information					
		Serial number					
Installation date		Installation date					
Dot count (million dots)		Dot count (million dots)					
Head alignment performance log	Head	Head alignment performance log					
Values applied with auto settings	Value	s applied with auto settings					
Paper Thickness (Head Height)		Paper Thickness (Head Height)					
Transport unit vacuum strength		Transport unit vacuum strength					
Fotal print area	Total print ar	rea					

Job management

This menu is displayed by tapping **Jobs** icon.

Print job					
	List of print jobs				
		Delete			
Job history					
	Display job history				
	Print job history				
Pause printing					
	Enable / Disable*				
Delete all print jobs					

Advanced (Paper settings)

Tap the paper information area and tap **Paper settings** to display this menu.

Roll len	gth (change default)	
Paper T	hickness (Head Height)	
	-4 (Low) / -3 / -2 / -1 / 0 (Sta	andard) / +1 / +2 / +3 (High)
Skew de	etection accuracy	
	Standard / Loose / OFF	
Cutting	mode	
	Automatic cut / Eject cut /	User cut
Cut spe	ed	
	Fast / Standard / Slow	
Trim ed	ge first	
	Auto / Off / On(Preset Len	gth) / On(Input Length) / Manual
Cut-dus	t reduction	
	ON / OFF	
Transpo	ort unit vacuum strength	
	Auto / Strong / Medium-st	rong / Standard / Medium-weak / Weak
Roll pap	per tension (printing)	
	High / Standard / Low	
Roll pap	per tension (feeding)	
	High / Standard / Low	
Pause b	etween scans	
	Ink drying wait time	
		OFF / 0.5 seconds / 1 second / 3 seconds / 5 seconds / 7 sec onds / 9 seconds
	Ink drying target area	
		Overall / Leading edge
Pause b	etween pages	
	OFF / 30 seconds / 1 minu	ite / 3 minutes / 5 minutes / 10 minutes / 30 minutes / 60 minut
Leading	edge margin (roll)	
	3mm / 20mm	
Leading	edge margin (sheet)	
	3mm / 20mm	

		8 (max) / 7 / 6 / 5 / 4 / 3 / 2 / 1 (min)	
	Left side of paper	1	
		8 (max) / 7 / 6 / 5 / 4 / 3 / 2 / 1 (min)	
Detect	paper width		
	Enable / Disable		

Advanced (LAN settings)

This menu is displayed by tapping **Network** icon > **Wi-Fi** / **Wireless Direct** / **Wired LAN** > **Settings** > **Advanced**.

The * on the right side of an item indicates the default value.

lvanced							
Set p	orinter name						
TCP/	IP settings						
	IPv4						
		IP address					
		Auto setup* / Manual setup					
		DNS server					
			DNS server setur	D			
				Auto setup* / Manu	ual setup		
		Dynamic update setting					
				Enable / Disable*			
		Host name					
		Domain name					
		Proxy server					
			Use / Do not use	*			
	IPv6		·				
		Enable/disable IPv6					
		Enable* / Disable					
		IPsec settings					
		Enable / Disable*					
		Use DHCPv6					
		Use* / Do not use					
		Manual address					
			Use / Do not use	•			
		DNS server					
		DNS server setup					
				Auto setup* / Manu	ual setup		
			Dynamic update	setting			
				IPv6 DNS dyn. upd	late: manual		
					Enable / Disable*		
				IPv6 DNS dyn. upd	late: stateless		

					Enable / Disable*	
				IPv6 DNS dyn. upc	late: stateful	
					Enable / Disable*	
			IPv6 Use IPv4 ho	st/domain name		
				Enable / Disable*		
			IPv6 DNS host na	ame		
			IPv6 DNS domair	name		
WSD	setting					
	Enable/disabl	le WSD				
		Enable / Disable	e*			
	Optimize inbound WSD					
	Enable* / Disable					
	Timeout setting					
		20 minutes / 15	minutes* / 10 min	utes / 5 minutes / 1	minute	
Bonj	our settings					
	Enable/disable Bonjour					
		Enable* / Disab	le			
	Service name)				
IEEE	802.1X settings					
	Authenticatio	n				
		Do not use* / TI	LS / TTLS / PEAP			
	EAP-TTLS internal auth. method					
	MSCHAPv2* / PAP					
	Weak encryption restriction					
	Restrict* / Do not restrict					
	Weak certificate restriction					
		Restrict* / Do n	ot restrict			
	Advanced setup					
	Advanced set	tup				
	-	tup User-ID				
		User-ID				
		User-ID Username	server name			
		User-ID Username Password Authentication	server name			
SNTE		User-ID Username Password Authentication	server name			
SNTI	Last authenti	User-ID Username Password Authentication cation result	server name			

	NTP server address
	Polling interval
Span	ning tree setting
	Enable / Disable*
LPR	protocol setting
	Enable* / Disable
RAW	protocol
	ON* / OFF
	NR
	ON* / OFF
Giga	bit Ethernet settings
	Autonegotiation* / 10 Mbps half duplex / 10 Mbps full duplex / 100 Mbps half duplex / 100 Mbp full duplex / 1 Gbps full duplex
Use I	Dedicated Port
	ON* / OFF
Wi-Fi	DRX setting
	Enable* / Disable
Wire	d LAN DRX setting
	Enable* / Disable
Rese	t SSL certificates
Baaa	t LAN settings

Changing Settings from Operation Panel

This section describes the procedure for changing the settings, taking the steps to specify **Print head movable width setting** as an example.

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap

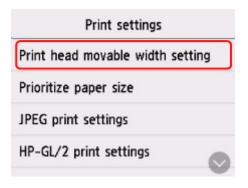
(Setup).

Ф

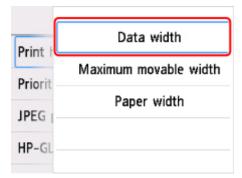
- Menu Operations
- 3. Tap setting item to adjust.

The setting screen for the selected item appears.

4. Tap setting item.



5. Tap setting to specify.



For more on setting items on the operation panel:

Setting Items on Operation Panel

Setting Items on Operation Panel

>>>> Note

• The administrator password is required to change some setting items if it is enabled for changing settings using the operation panel.

For more on setting items which the administrator password is required:

Setting Administrator Password on Operation Panel

Items for Security

Administrator password setting

Items for Printer

- Other device settings
- Language selection
- Firmware update
- Web service setup

Items for Paper/Printing

Paper-related settings

Print settings

Items for Maintenance/Management

- Job management
- Printer information
- Test print
- LAN settings
- Auto maintenance settings
- Monitoring service settings

Job management

This setting item is displayed by tapping (Jobs) on the HOME screen.

• Print job

Displays the print job list. Tapping a job displays the details. On the detail screen, you can delete the job.

Job history

Important

- The administrator password is required to display the job history if it is enabled for changing settings using the operation panel.
- Display job history

Displays the print job history. Tapping a print job displays the details.

• Print job history

Prints out the print job history.

Pause printing

Selecting **Enable** while a print job is in progress pauses the print job after the current job is completed.

Delete all print jobs

Deletes all jobs in the job queue.

Test print

This setting item is displayed by tapping **Device settings** after tapping (Setup) on the HOME screen.

Nozzle Check

Prints out the nozzle check pattern.

Checking for Nozzle Clogging

Status print

Prints out the printer status and setting value information.

>>>> Note

• **Status print (administrator)** is also displayed if the administrator password is enabled for changing settings using the operation panel.

Status Print

Print LAN details

Prints out the network setting information.

Printing Network Settings

Print setting print

Prints out the print settings list.

Print advanced paper settings

Prints out the setting values specified by Advanced paper settings.

· Print job history

Prints out a record of print jobs, including the paper type and size, amount of ink consumed, and so on. Ink consumption indicates a rough estimate of the amount of ink consumed per print job.

Job management

Print menu map

Prints out the menu list.

Print color list for palettes

Prints out color pallet information.

Print settings

This setting item is displayed by tapping **Device settings** after tapping **(Setup)** on the HOME screen.

Print head movable width setting

Adjusts the Print head movable width.

Prioritize paper size

This is a setting item for roll paper.

Select **Enable** to use the paper size setting as the basis for printing instead of other settings. The text or images in the margin are not printed.

Select **Disable** to give priority to printing text or images.

>>>> Note

• The printed paper length is longer than the actual paper length. This is because the printed paper includes the upper/lower margins specified by **Roll Paper Safety Margin** and **Near End Margin** in the printer driver and excludes the paper margins.

JPEG print settings

Performs JPEG print settings.

HP-GL/2 print settings

Performs HP-GL/2 print settings.

HP-GL/2 Settings

Direct print settings from FTP

Performs print settings when printing directly from FTP. You can perform four settings individually.

Default print settings

Prints out the default values of print settings.

Print setting print

Prints out the print settings list.

HP-GL/2 Settings

- Menus on HP-GL/2 print settings
- Menu Setting Combinations
- Standard Size Table

Web service setup

This setting item is displayed by tapping **Printer settings** after tapping (Setup) on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

· Web service usage registration/Web service usage cancellation

Registers/Deletes Web service usage to use the printer device information to/from PIXMA/MAXIFY Cloud Link.

Issue registration code

In order to link the web service and printer, obtain the registration code from the service origin.

DNS server setup

Performs settings for a DNS server. Select **Auto setup** or **Manual setup**. If you select **Manual setup**, follow the display on the touch screen to perform settings.

Proxy server setup

Performs settings for a proxy server. Follow the display on the touch screen to perform settings.

LAN settings

This setting item is displayed by tapping **Device settings** after tapping (Setup) on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

>>>> Note

• You can also enter LAN settings by tapping

(Network) on the HOME screen.

• Wi-Fi

The following setting information on the Wi-Fi connection is displayed. (Some items are not displayed depending on printer settings.)

Items	Setting
Connection	Enabled (connected) / Enabled (disconnected) / Disa- ble
Network name (SSID)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Communication mode	Infrastructure
Channel	1 - 13
Wi-Fi security	Disable / WEP (64 bit) / WEP (128 bit) / WPA-PSK (TKIP) / WPA-PSK (AES) / WPA2-PSK (TKIP) / WPA2- PSK (AES)
IPv4 address	XXX. XXX. XXX. XXX (12 characters)
IPv4 subnet mask	XXX. XXX. XXX. XXX (12 characters)
IPv4 default gateway	XXX. XXX. XXX. XXX (12 characters)
IPv4 DNS dynamic setting	Enable / Disable
IPv4 DNS host name	XXXXXXXXXXX
IPv4 DNS domain name	XXXXXXXXXXX
IPv6 link-local address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 link-local prefix length	XXX (up to 3 digits)
IPv6 manual address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 manual prefix length	XXX (up to 3 digits)
IPv6 stateless address 1	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)

IPv6 stateless prefix length 1	XXX (up to 3 digits)
IPv6 stateless address 2	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 2	XXX (up to 3 digits)
IPv6 stateless address 3	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 3	XXX (up to 3 digits)
IPv6 stateless address 4	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 4	XXX (up to 3 digits)
DHCPv6	Enable / Disable
DHCPv6 stateful address	XXXXXXXXXXX
DHCPv6 stateful prefix length	XXX (up to 3 digits)
IPv6 default gateway 1	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 2	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 3	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 4	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 primary DNS server address	xxxxxxxxxx
IPv6 secondary DNS server add.	xxxxxxxxxx
IPv6 DNS dyn. update: manual	Enable / Disable
IPv6 DNS dyn. update: stateless	Enable / Disable
IPv6 DNS dyn. update: stateful	Enable / Disable
IPv6 Use IPv4 host/domain name	Enable / Disable
IPv6 DNS host name	xxxxxxxxxx
IPv6 DNS domain name	XXXXXXXXXXX
MAC address	XX:XX:XX:XX:XX (12 characters)
IPsec settings	Enable (ESP) / Enable (ESP & AH) / Enable (AH) / Dis- able
Printer name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXX

("XX" represents alphanumeric characters.)

To change the setting, tap **Settings**.

• Enable/disable Wi-Fi

Select Enable to wirelessly connect via wireless router.

• Wi-Fi setup

Select how to setup Wi-Fi.

Easy wireless connect

Select if you specify the settings of the access point information to the printer directly from a device (e.g. smartphone, or tablet) without operating the wireless router. Follow the on-screen instructions of the connecting device for the setup procedure.

Manual connect

Select when you perform settings for Wi-Fi manually using the operation panel of the printer.

WPS (Push button method)

Select when you perform settings for Wi-Fi using a wireless router supporting a Wi-Fi Protected Setup (WPS) push button method. Follow the on-screen instructions during setup.

Other connection types

Manual connect (adv.)

Select when you perform settings for Wi-Fi manually. You can specify multiple WEP keys.

WPS (PIN code method)

Select when you perform settings for Wi-Fi using a wireless router supporting a Wi-Fi Protected Setup (WPS) PIN code method. Follow the on-screen instructions during setup.

>>>> Note

• By tapping Advanced, you can set LAN in detail.

For the items that can be set, see the following.

Advanced

Wireless Direct

The following setting information on the Wireless Direct connection is displayed. (Some items are not displayed depending on printer settings.)

Items	Setting
Connection	Enabled (connected) / Enabled (disconnected) / Disa- ble
Network (SSID)/device name	DIRECT-XXXX-TA-30
Password	XXXXXXXXXX (10 characters)
Communication mode	Wireless Direct
Channel	3
Wi-Fi security	WPA2-PSK (AES)
IPv4 address	XXX. XXX. XXX. XXX (12 characters)
IPv4 subnet mask	XXX. XXX. XXX. XXX (12 characters)

IPv4 default gateway	XXX. XXX. XXX. XXX (12 characters)
IPv4 DNS dynamic setting	Enable / Disable
IPv4 DNS host name	xxxxxxxxxx
IPv4 DNS domain name	XXXXXXXXXXX
IPv6 link-local address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 link-local prefix length	XXX (up to 3 digits)
MAC address	XX:XX:XX:XX:XX (12 characters)
IPsec settings	Disable
Printer name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXX

("XX" represents alphanumeric characters.)

To change the setting, tap **Settings**.

• Enable/disable Wireless Direct

Select Enable to wirelessly connect without wireless router.

• Update SSID/password

Updates the identifier (SSID) and password.

• Wireless Direct device name

Changes the name (device name) of the printer displayed on Wi-Fi Direct compatible device.

Connection request confirmation

Changes the display / non-display of the confirmation screen when Wi-Fi Direct compatible devices are connected to the printer.

>>>> Note

• By tapping Advanced, you can set LAN in detail.

For the items that can be set, see the following.

Advanced

Wired LAN

The following setting information on the Wired LAN connection is displayed. (Some items are not displayed depending on printer settings.)

Items	Setting
Connection	Enabled (connected) / Enabled (disconnected) / Disa- ble
IPv4 address	XXX. XXX. XXX. XXX (12 characters)
IPv4 subnet mask	XXX. XXX. XXX. XXX (12 characters)

IPv4 default gateway	XXX. XXX. XXX. XXX (12 characters)
IPv4 DNS dynamic setting	Enable / Disable
IPv4 DNS host name	xxxxxxxxxx
IPv4 DNS domain name	XXXXXXXXXXX
IPv6 link-local address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 link-local prefix length	XXX (up to 3 digits)
IPv6 manual address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 manual prefix length	XXX (up to 3 digits)
IPv6 stateless address 1	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 1	XXX (up to 3 digits)
IPv6 stateless address 2	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 2	XXX (up to 3 digits)
IPv6 stateless address 3	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 3	XXX (up to 3 digits)
IPv6 stateless address 4	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 stateless prefix length 4	XXX (up to 3 digits)
DHCPv6	Enable / Disable
DHCPv6 stateful address	XXXXXXXXXXX
DHCPv6 stateful prefix length	XXX (up to 3 digits)
IPv6 default gateway 1	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 2	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 3	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 default gateway 4	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX (32 characters)
IPv6 primary DNS server address	XXXXXXXXXXX
IPv6 secondary DNS server add.	XXXXXXXXXXX
IPv6 DNS dyn. update: manual	Enable / Disable
IPv6 DNS dyn. update: stateless	Enable / Disable
IPv6 DNS dyn. update: stateful	Enable / Disable
IPv6 Use IPv4 host/domain name	Enable / Disable

IPv6 DNS host name	XXXXXXXXXXX
IPv6 DNS domain name	xxxxxxxxxx
MAC address	XX:XX:XX:XX:XX (12 characters)
IPsec settings	Enable (ESP) / Enable (ESP & AH) / Enable (AH) / Dis- able
Printer name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXX

("XX" represents alphanumeric characters.)

To change the setting, tap **Settings**.

• Enable/disable Wired LAN

Select Enable when connecting to wired LAN.

>>>> Note

• By tapping Advanced, you can set LAN in detail.

For the items that can be set, see the following.

Advanced

Print details

Prints out the LAN setting information of the printer with Wi-Fi connection, wired LAN connection, wireless direct connection.

For the items that can be checked, see the following.

Printing Network Settings

>>>> Important

• Important information on your computer is stated on the paper on which the LAN setting information is printed. Please handle with care enough.

>>>> Note

• You can also print out the LAN setting information by tapping in the following order.



(Setup) > Device settings > Test print > Print LAN details

Advanced

By tapping **Advanced** on each setting screen of Wi-Fi connection, wired LAN connection, wireless direct connection, LAN information can be set in detail.

Important

• If the LAN is disabled, the following items can not be selected.

• Set printer name

Specifies the printer name. You can use up to 15 characters for the name.

>>>> Note

- You cannot use the same printer name as that already used for other LAN connected devices.
- You cannot use a hyphen for the initial or last character of the printer name.

• TCP/IP settings

Performs IPv4 or IPv6 setting.

WSD setting

Setting items when you use WSD (one of the network protocols supported in Windows 10, Windows 8.1, and Windows 7).

Enable/disable WSD

Selects whether WSD is enabled or disabled.

Note

• When this setting is enabled, the printer icon is displayed on the Network Explorer in Windows 10, Windows 8.1, and Windows 7.

Optimize inbound WSD

Selecting **Enable** allows you to receive the WSD printing data faster.

Timeout setting

Specifies the timeout length.

Bonjour settings

Setting items when you use Bonjour.

Enable/disable Bonjour

Selecting Enable allows you to use Bonjour to perform the network settings.

Service name

Specifies the Bonjour service name. You can use up to 48 characters for the name.

>>>> Note

• You cannot use the same service name as that already used for other LAN connected devices.

• IEEE802.1X settings

Performs various settings for IEEE802.1X.

SNTP settings

Performs various settings for SNTP (Simple Network Time Protocol).

Spanning tree setting

Enables/Disables spanning tree. Selecting Enable avoids circulating data on a network.

• LPR protocol setting

Enables/Disables the LPR setting.

• RAW protocol

Enables/Disables RAW printing.

• LLMNR

Specifies ON/OFF of LLMNR (Link-Local Multicast Name Resolution). Selecting **ON** allows the printer to detect printer's IP address from the printer name without a DNS server.

Gigabit Ethernet settings

Specifies the communication speed and communication method when using Gigabit Ethernet.

Use Dedicated Port

Selects whether to use a dedicated port for a command sent from a Canon application to the printer.

Selecting **ON** allows you to use the dedicated port.

• Wi-Fi DRX setting

Selecting Enable allows you to activate discontinuous reception when using Wi-Fi.

• Wired LAN DRX setting

Selecting **Enable** allows you to activate discontinuous reception when the printer is connected to a device compatible with wired LAN.

Reset SSL certificates

Initializes SSL certificate information.

• Reset LAN settings

Initializes the network settings on the printer.

After resetting, perform setup again as necessary.

Other device settings

This setting item is displayed by tapping **Device settings** after tapping **(Setup)** on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

Energy saving settings

To save electricity, enable this setting to turn off the printer automatically or to enter sleep mode when specified length of time has elapsed.

• Auto power off

Sets the time until the printer turns off automatically. If no operations are performed on the printer for the specified duration of the time after entering Sleep mode, the printer automatically turns off.

• Sleep timer

Specifies the length of time to enter sleep mode automatically when no operation is made.

Operation restrictions

Restricts the following operations.

• Job history

Restricts to display the print job history.

• Remote UI

Restricts to use Remote UI.

Use USB connection

Enables / Disables USB connection.

Date/time setting

Sets the current date and time.

Date display format

Sets the format of dates displayed on the touch screen and printed on photos.

• Time zone (GMT)

Specifies the time zone according to a country or region you live in.

Specifying the time zone allows you to display the correct time and date an e-mail was sent on your mail software.

Select the time difference from GMT (Greenwich mean time) according to a country or region you live in.

Sound control

Select whether to sound / not sound for key touch sound and alarm sound.

Length unit setting

Selects the length unit (meter or feet/inch).

• EOP timer setting

Specify the timeout period before cancellation of print jobs that cannot be received by the printer.

Job history sending setting

The printer sends a job history when **Send** is selected.

Language selection

This setting item is displayed by tapping **Device settings** after tapping **(Setup)** on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

Changes the language for the messages and menus on the touch screen.

This setting item is displayed by tapping **Device settings** after tapping **(Setup)** on the HOME screen.

Keep media type

Select Enable to keep using the same type of paper.

Manage remaining roll amount

Selects the method to manage remaining roll amount and that to display warning when the roll is running short.

• Barcodes

Manages remaining roll amount by using a barcode.

By using the barcode every time you replace a roll, you can manage remaining roll amount properly. Specify the roll length properly when you load a new roll.

Warning message only

Estimates remaining roll amount by using media type and roll diameter information. A warning appears when remaining roll amount comes closer to the specified value.

Depending on the environment you are using the printer, selecting this setting may not manage remaining roll amount as precisely as you expected. We recommend you select a higher value for this setting item.

• Disable

Select to disable managing remaining roll amount.

Roll amount warning setting

Specifies when to warn the remaining roll paper amount.

Detect paper setting mismatch

Selects printer action when you start printing with the paper size, the media type, and print settings different from those registered.

Advanced paper settings

Specifies advanced paper settings for each paper type.

Important

• You can select **Extension for borderless printing** as a setting item for some paper types.

If you select **1** (min) for **Right side of paper** or **Left side of paper** on this setting item, a slight border remains on the paper. In addition, the paper may be smudged with extra ink.

Paper size recognition settings

Selects which size is preferred when paper size detection is enabled.

• Roll paper setting 1

Select whether B4 or 10 inch is applied when a roll of an intermediate size is detected.

Roll paper setting 2

Select whether A3 or 300 mm is applied when a roll of an intermediate size is detected.

• Roll paper setting 3

Select whether 300 mm or 12 inch is applied when a roll of an intermediate size is detected.

Roll paper setting 4

Select whether 500 mm or 20 inch is applied when a roll of an intermediate size is detected.

• Roll paper setting 5

Select whether B2 or 20 inch is applied when a roll of an intermediate size is detected.

Roll paper setting 6

Select whether A1 or 600 mm is applied when a roll of an intermediate size is detected.

• Roll paper setting 7

Select whether 600 mm or 24 inch is applied when a sheet of an intermediate size is detected.

Auto feed at power on

When **Enable** is selected, the printer judges the existence of paper exchange when starting up, and if paper has been exchanged, paper feeding operation is performed.

It may take time to judge paper exchange.

When **Disable** is selected, the printer does not judge whether or not to change the paper when starting up, and waits with the current paper feed setting.

Print advanced paper settings

Tapping Yes prints out each setting specified in Advanced paper settings.

Reset paper settings for all paper

Tapping Yes initializes each setting specified in Advanced paper settings.

Entering the administrator password is required if it is enabled.

Important

• When you set the paper settings back to the factory default, added or updated paper information using Media Configuration Tool is erased.

Auto maintenance settings

This setting item is displayed by tapping **Device settings** after tapping (Setup) on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

Auto nozzle check

Enables/Disables automatic nozzle checking. You can also select the page interval to perform automatic nozzle checking.

Nozzle check error display

Enables/Disables displaying the nozzle check error.

System cleaning frequency

Specifies the frequency of automatic system cleaning.

>>>> Note

• To maintain print quality, we recommend you select Short if you use the printer at a higher place.

Print pattern after new head

Selects whether you print an adjustment pattern after replacing the Print head.

Administrator password setting

This setting item is displayed by tapping **Device settings** after tapping (Setup) on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

You can specify or disable the administrator password.

If you specify the administrator password, select the range and specify the administrator password.

Remote UI or other tools

Entering the administrator password is required to change the setting items using Remote UI or some software.

LCD, Remote UI, or other tools

Entering the administrator password is required to change the setting items using the operation panel of the printer, Remote UI, or some software.

For details:

Setting Administrator Password on Operation Panel

Setting Administrator Password on Operation Panel

You can specify or disable the administrator password.

Specifying the administrator password requires you to enter the password to use the items or change the settings below.

- LAN settings
- Other device settings
- Language selection
- Auto maintenance settings
- Administrator password setting
- Status print (administrator)
- Monitoring service settings
- Firmware update

Follow the procedure below to specify the administrator password.

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap (Setup).

Menu Operations

- 3. Tap Device settings.
- 4. Tap Administrator password setting.
- 5. Enter the password on the administrator password input screen and tap OK.

Important

 The administrator password is set at the time of purchase. The printer's serial number is used as the password.

For the administrator password, refer to Administrator Password.

If an administrator password is not specified, the confirmation message appears. Confirm the message and tap **Yes**.

6. Tap Change administrator password.

If an administrator password is not specified, the confirmation message appears. Confirm the message and tap **OK**.

7. Tap range where administrator password is valid.

Remote UI or other tools

Entering the administrator password is required to change the setting items using Remote UI or some software.

LCD, Remote UI, or other tools

Entering the administrator password is required to change the setting items using the operation panel of the printer, Remote UI, or some software.

8. Enter administrator password.

Important

- The following character restrictions apply to the password:
 - Set the password by using 4 to 32 characters.
 - The allowed characters are single-byte alphanumeric characters.
 - For security reasons, we recommend you use 8 and more alphanumeric characters.

9. Tap Apply.

- **10.** Enter administrator password you specified again.
- 11. Tap OK.

The administrator password is enabled.

When You Want to Disable the Administrator Password:

After operating steps 1 to 5 of the password specifying procedure, tap **Remove administrator password**. After that, please follow the instructions displayed on the touch screen.

Monitoring service settings

This setting item is displayed by tapping **Device settings** after tapping (Setup) on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

Enable/disable monitoring service

Selecting Enable allows the printer to send error details to the service center.

Communication test

Performs a communication test with the service center.

Communication log

Displays the list of error numbers (up to 30), error code, and time the error occurs. Tapping an item displays the error details.

Timing for ink level notification

Sets the timing to notify the service center of remaining ink amount.

Printer information

This setting item is displayed by tapping



(Setup) on the HOME screen.

System information

Displays printer's system information.

• Error history

Displays the error history.

• Hardware error

Displays the hardware error codes (up to 5).

• Recoverable error

Displays the recoverable error (e.g. paper or ink related error) codes (up to 5).

• Paper feed/transfer error

Displays the error codes for errors which occur during paper feed/transfer (up to 5).

Tapping an error code displays the error details.

For more on the error code, refer to List of Support Code for Error.

Usage totals

Displays the printer's record of use such as total print area or the amount of ink consumption.

Head information

Displays the Print head serial number, elapsed days since the current Print head was installed, and dot count.

Head alignment performance log

Displays the Print head alignment performance log (up to 5).

Values applied with auto settings

Displays the print settings applied the last print job.

HP-GL/2 Settings

- Menus on HP-GL/2 print settings
- Menu Setting Combinations
- Standard Size Table

Menus on HP-GL/2 print settings

- Color mode
- Print quality
- Input resolution
- Print target
- Paper src
- Margin
- > Oversize
- Conserve paper
- Rotate
- Auto rotation
- Enlarge/Reduce
- Print centered
- Cut to standard size
- Mirror
- Merge
- Smooth
- Thicken fine lines
- Adjust faint lines
- Width correction
- Print color list for palettes
- Warning display
- Detect image size
- Select palette
- Define palette
- > Pen 0 to Pen 15
- Reset palette

Color mode

Lets you specify the color(s) to use when printing HP-GL/2 data.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Print quality settings

Color (perceptual)

• If you select Line drawing for Print target:

Reproduces colors of general images naturally and features smooth gradation. In addition, selecting this setting allows you to adjust colors easily using an application software.

• If you select Photo for Print target:

Reproduces colors of general photos naturally and features smooth gradation. In addition, selecting this setting allows you to adjust colors easily using an application software.

Color (saturation) (Initial setting)

• If you select Line drawing for Print target:

Prints in easy-to-see colors suitable for line drawing.

• If you select Photo for Print target:

Reproduces vivid colors on data such as a poster.

Color (correct off)

Performs printing without color matching.

- Monochrome
 - If you select Line drawing for Print target:

Select this setting to print a line drawing using black ink.

• If you select Photo for Print target:

Prints color data converting to monochrome. Continuous tones are reproduced using gray halftones.

Monochrome BMP

The colors other than white are printed in black.

Print quality

Lets you specify print quality.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Print quality settings

• 5 (Fast)

Select this setting for faster printing.

• 4

Printing speed is faster than that in selecting 3.

• 3 (Initial setting)

Select this setting for standard printing that balances print quality and printing speed.

• 2

Printing quality is higher than that in selecting 3.

• 1 (High)

Select this setting to give print quality priority.

This causes printing to take longer than other settings, but print quality is higher.

Input resolution

Specifies the resolution for internal rendering process.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Print quality settings

• 600 dpi (Initial setting)

Specifies 600 dpi for internal rendering resolution.

This setting raises the accuracy of internal processes for finer printing.

• 300 dpi

Specifies 300 dpi for internal rendering resolution.

This setting increases the speed of internal processes for faster printing.

Print target

Specifies the print target of HP-GL/2 data.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Print quality settings

Photo

Select this setting to print a data which includes illustration or photo.

• Line drawing (Initial setting)

Select this setting to print a drawing data which includes lines.

Paper src

Specifies the paper type (sheet or roll) for HP-GL/2 data printing.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

Auto select (Initial setting)

Select an appropriate paper source automatically.

Roll paper

Select this setting to print on the roll paper.

• Manual

Select this setting to print on the sheets.

Margin

Specifies the margins for HP-GL/2 data printing.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

>>>> Note

- If the Leading edge margin (roll) and/or Leading edge margin (sheet) settings on Advanced paper settings are different from the settings here, the larger of the settings is given priority.
- 3mm (Initial setting)

Specifies 3 mm margin.

However, the trailing edge margin for cut sheet paper is 20 mm.

• 5mm

Specifies 5 mm margin.

However, the trailing edge margin for cut sheet paper is 20 mm.

Oversize

Specifies whether margins are within or outside the HP-GL/2 data image drawing range.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

• Enable (Initial setting)

Specifies margins outside the HP-GL/2 data image drawing range.

Adding margins outside the image drawing range will not cause part of the image to be cut off.

However, you will need to print on paper of a size that is greater than the size of the image drawing range specified by the HP-GL/2 data plus the top, bottom, left, and right margins.

Disable

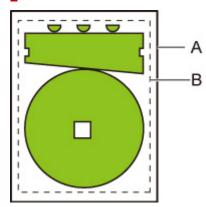
Specifies margins inside the HP-GL/2 data image drawing range.

Depending on the layout, adding margins inside the image drawing range may cause part of the image to be cut off.

Note

• Some CAD applications can cause the origin to be out of position and part of the image to be cut off. Experiment with the **Disable** and **Enable** settings of this function to find the one that works best.

OVERSIZE SETTING EXAMPLES



- A. Printed page size
- B. Image drawing range

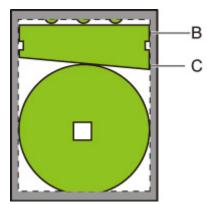
When you print an image above, using **Oversize** allows you to select where to apply margins (outside/ inside the image) based on the image drawing range.

Select Enable to apply margins outside the image, or select Disable to apply those inside.

• When **Disable** is selected:

Printing is performed based on the image drawing range. The origin is specified on the upper left of the paper.

Margins are added to the inside of the image drawing range.



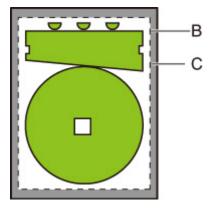
- B. Image drawing range
- C. Margins

If the actual drawing image is smaller than the specified image drawing range, the image is not cut off by the margins.

• When **Enable** is selected:

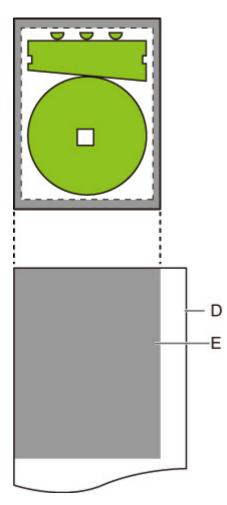
Printing is performed based on the image drawing range. The origin is specified on the upper left of the paper.

Margins are added to the outside of the image drawing range.



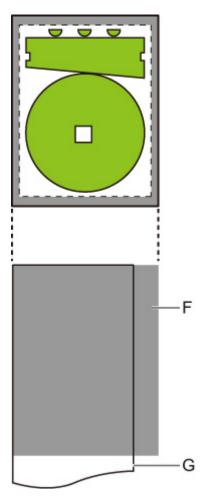
- B. Image drawing range
- C. Margins

When you specify the paper size for printing, select the size which covers both the image drawing range and margins.



- D. Paper for printing
- E. Image drawing range with margins

If you select the paper size which cannot cover the margins, the image may be cut off.



- F. Range which cannot be printed
- G. Paper for printing

Conserve paper

When printing on roll paper, eliminates blank space (margins) above and/or below the image (if there is any) to conserve paper.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

• ON

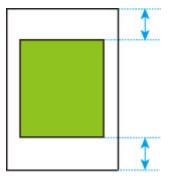
Blank space above and below the image is eliminated when printing.

• OFF (Initial setting)

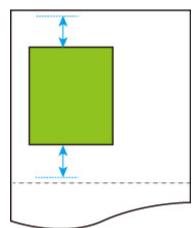
Paper is not conserved.

CONSERVE PAPER SETTING EXAMPLES

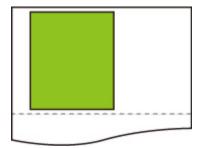
Print data (image drawing range)



• When **OFF** is selected:



• When **ON** is selected:



Rotate

Rotates the image according to the specified setting.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

• 0 degrees (Initial setting)

Image is not rotated.

• 90 degrees

Specified image is rotated by 90 degrees.

If the part of rotated image is out of the paper width, the part is not printed.

>>>> Note

• When the print data includes HP RTL, the HP RTL image part is not rotated.

>>>> Note

• If ON is selected for Auto rotation, priority is given to the Auto rotation setting.

Auto rotation

Printing on paper while **Auto rotation** is set to **ON** causes the image to be rotated automatically in accordance with the most efficient image layout in order to conserve paper and avoid images running off the edges of the paper.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

• ON

Image is rotated by 90 degrees in the cases described below.

- · When the output page is in portrait orientation and the long side is shorter than the roll paper width
- When the output page is in landscape orientation, and the long side is longer than the paper width and the short side is shorter than the paper width

Even if the long edge and short edge of the output page are both longer than the paper width, and the output page is in landscape orientation, the image is rotated to expand the print range.

>>>> Note

- The length that the roll paper will be cut to depends on rotation.
- The desired printing results may not be obtained when HP-GL/2 data that does not include image drawing range information is received.

In this case, select Command priority for Detect image size.

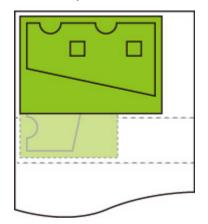
• When the print data includes HP RTL, the HP RTL image part is not rotated.

• OFF (Initial setting)

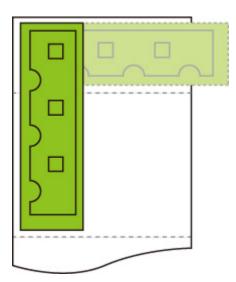
Images are not rotated automatically.

AUTO ROTATE EXAMPLES

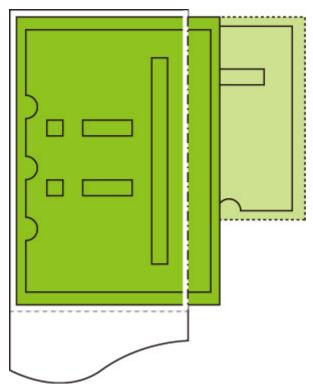
· Efficient layout



• Prevents image from running off edge.



• Even if the image runs off the edge of the paper, it is rotated to expand the print range.



Enlarge/Reduce

Enlarges or reduces images

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

• Fit paper size

Enlarges or reduces the image for printing to fit to the paper loaded in the printer.

>>>> Note

- Data line widths are not enlarged or reduced.
- Margin widths are not enlarged or reduced. Because of this, paper size scaling and post-processing image scaling may not be the same.
- The maximum enlarge/reduce rate for this setting is calculated by (maximum width/1 inch x 100 %). Therefore, the maximum rate is 2400 % for 24 inch model, 3600 % for 36 inch model, and 4400 % for 44 inch model. If the calculation result exceeds the maximum rate, the image is enlarged according to the maximum rate for each model.

• Same size (Initial setting)

Image is not enlarged/reduced.

Scaling

Enlarges or reduces the image to the specified scaling value for printing.

Scaling can be specified within a range of 25 % to 400 %.

>>>> Note

· Data line or margin widths are not enlarged or reduced.

ENLARGE/REDUCE Scaling SETTING EXAMPLE

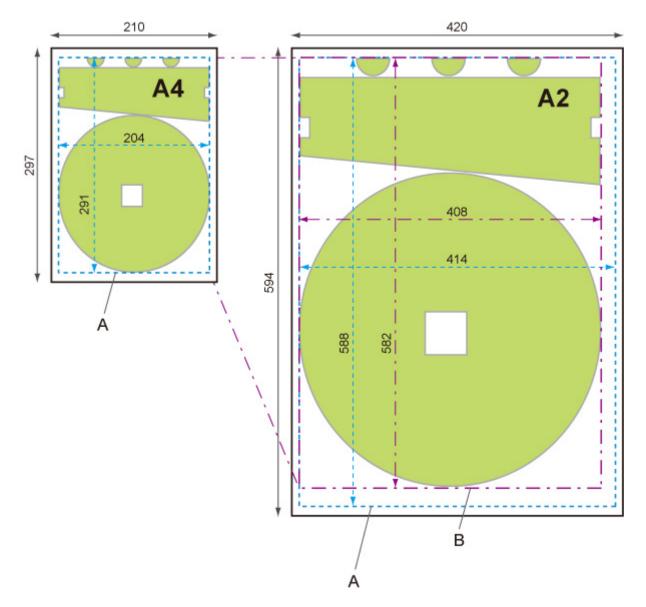
The output object area is enlarged or reduced as specified by the **Scaling** setting. The origin is in the upper-left corner.

For example, doubling the length and width of A4 size paper results in A2 size paper.

If there are margins of 3 mm, the A4 size output object area measures 291 mm x 204 mm.

Specify a value of 200% for the **Scaling** setting to produce a post-processing size of 582 mm x 408 mm.

(Note that ambient conditions may cause paper to expand and contract.)



- A. Output object area
- B. 200% post-processing size

ENLARGE/REDUCE Fit paper size SETTING EXAMPLE

Fit paper size expands or reduces the long side of the print data's output object area so it matches the long side of the output page size output object area. The origin is in the upper-left corner.

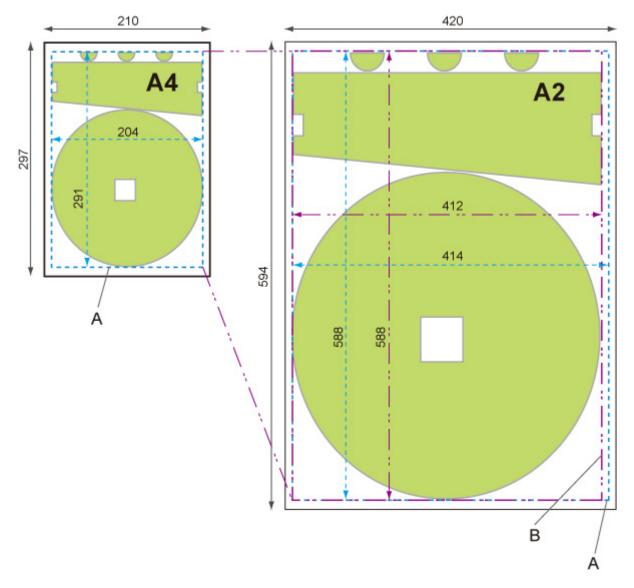
Margin widths are not enlarged or reduced. Because of this, paper size scaling and post-processing image scaling may not be the same.

For example, doubling the length and width of A4 size paper results in A2 size paper.

If there are margins of 3 mm, the A4 size output object area measures 291 mm x 204 mm.

Specifying Fit paper size will result in a post-processing size of approximately 588 mm x 412 mm.

(Note that ambient conditions may cause paper to expand and contract.)



A. Output object area

B. Fit to long side post-processing size

Print centered

Prints the output object area in the center of the paper.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

- ON
 - For cut sheet paper

Prints the output object area in the center of the paper.

• For roll paper

Prints the output object area in the horizontal center of the paper.

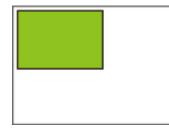


- The output object area is not printed in the center when the paper size is smaller than the output page size.
- OFF (Initial setting)

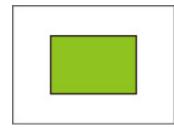
The output object area is not printed in the center of the paper.

PRINT CENTERED EXAMPLES

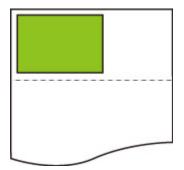
• OFF is selected when printing on sheet



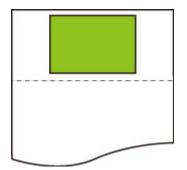
• ON is selected when printing on sheet



• OFF is selected when printing on roll



• ON is selected when printing on roll



Cut to standard size

Specifies standard size as the output page size when printing on roll paper.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

• ON

Cuts to standard size in accordance with the roll paper width.

When there are two lengths/widths applicable for a given roll paper width, the optimum size is selected automatically.

>>>> Note

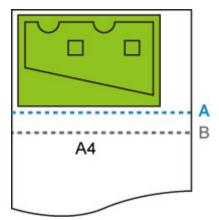
- If **ON** is selected for **Conserve paper** and there is blank space above/below the image, the size will not be standard size.
- When ON is selected for Print centered, printing will be in the center of the standard size.
- If there is no standard size corresponding to the roll paper width, operation is the same as if **OFF** is selected. No message is displayed.
- For information about supported standard sizes, see Standard Size Table.

• OFF (Initial setting)

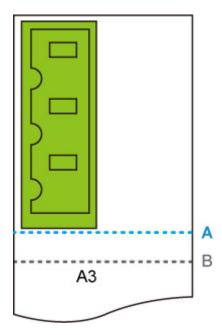
Cutting according to standard size is not performed.

STANDARD CUT EXAMPLES

· A3-size width roll paper



- A. Position of cut when OFF
- B. Position of cut when **ON**
- A3-size width roll paper



- A. Position of cut when OFF
- B. Position of cut when **ON**

Mirror

Flip the image horizontally and print.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Paper settings

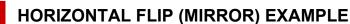
• ON

Flip the image horizontally and print.

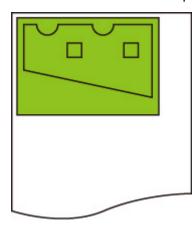
Depending on the paper to be printed, the position where the horizontally flipped image is printed varies.

• OFF (Initial setting)

Horizontal flip of the image is not performed.

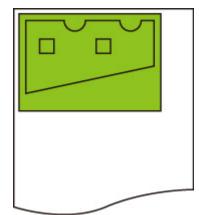


• When **OFF** is selected when printing on roll paper:

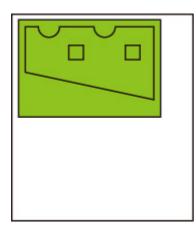


• When **ON** is selected when printing on roll paper:

Do not move the position to print the image on the paper, flip the image horizontally.

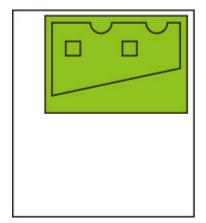


• When **OFF** is selected when printing on cut paper or roll paper cut to standard size:



• When **ON** is selected when printing on cut paper or roll paper cut to standard size:

Flip the image horizontally for each position where you print the image on the paper.



Merge

Specifies how colors should be processed when lines overlap.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager

>>>> Note

- The data is given priority when a specification command is included in the HP-GL/2 data.
- If the HP-GL/2 data does not include a specification command, the operation is performed using the specified selection value.
- ON

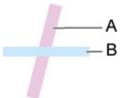
The section where lines overlap becomes the mixed color of the intersecting lines.

• OFF (Initial setting)

The section where lines overlap becomes the same color as one of the intersecting lines.

ENABLE MERGE EXAMPLE

• When **OFF** is selected:



- A. Data drawn previously
- B. Data drawn later than A
- When **ON** is selected:



Smooth

Makes arc drawing smoother.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager

• Software (Initial setting)

Draws arcs using HP-GL/2 data settings.

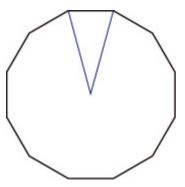
Default value of the central angle of an arc in HP-GL/2 is 5° (Regular 72-sided polygon) if the angle is not specified using a HP-GL/2 command.

Smoothing

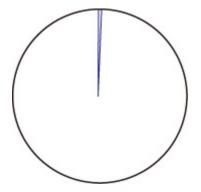
Draws curves that are smoother than arcs with a central angle of 1°.

SMOOTHING EXAMPLES

• When Software is selected:



• When Smoothing is selected:



Thicken fine lines

Performs correction to avoid breaks in fine lines.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager

• ON

Corrects line widths so fine lines are drawn more sharply, without breaking.

The line color is not changed.

• OFF (Initial setting)

Thin lines are not corrected.

Some line thicknesses may cause them to become broken.

Adjust faint lines

Performs correction so that bright colored fine lines are printed more clearly.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager

• ON

Adjusts the colors of brightly colored fine lines so they are drawn more clearly.

• OFF (Initial setting)

Fine lines are not corrected.

Width correction

Corrects pen widths in accordance with a specific correction setting. Correction settings can be configured for two groups: **Black/gray** and **Color**.

Select and apply the correction amount according to the pen color when performing a line drawing command of HP-GL/2 data.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager

Note

- This setting is not applied for the white pen, which has the same RGB values (255).
- This setting is applied to vector data line widths.
- When this setting is a minus value, it is not applied to fine lines of widths that are less than the minimum line width of the printer.
- If the setting value is smaller than 1 dot, the value of 1 dot width is applied.
- When **ON** is selected for **Thicken fine lines**, the resulting line may be thicker than the specified setting.
- Black/gray

For configuring the correction setting of black and gray line widths.

A value within the range of -20 to +20 can be specified. 1 unit of the correction value is equivalent to 0.025 mm.

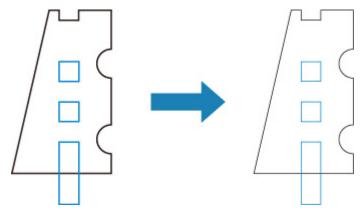
• Color

For configuring the correction setting of color line widths.

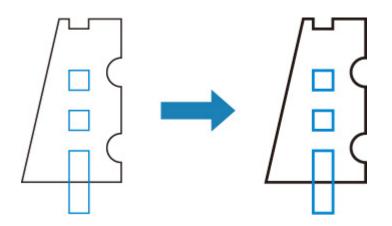
A value within the range of -20 to +20 can be specified. 1 unit of the correction value is equivalent to 0.025 mm.

LINE WIDTH CORRECTION EXAMPLE

• Negative (-) setting



• Positive (+) setting



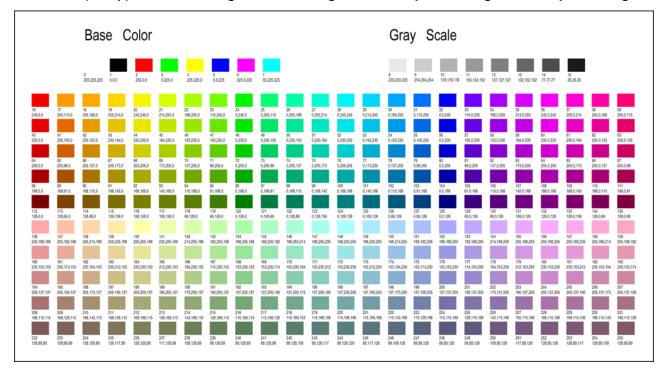
Print color list for palettes

¢

Prints out the sample (256 colors) of the color specified in each pen number. The coloring also changes depending on the paper type to be printed.

This setting item is displayed by tapping in the following order.

(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager



Warning display

Displays HP-GL/2 warnings.

The display is switched when two GL/2 warnings below occur.

- Warnings when the printer's parameter setting specification does not support the parameter settings of created HP-GL/2 data
- HP-GL/2 warning commands when the printer does not support the created HP-GL/2 data

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Processing options

>>>> Note

- Warning is always displayed when one of the errors below occurs regardless of the setting.
 - When virtual GL/2 memory exceeds acceptable level
 - · When GL/2 display list memory is insufficient
 - When the number of polygon vertexes which GL/2 data has exceeds acceptable level
- · Warning is always displayed on the status monitor or Remote UI regardless of the setting.
- Enable

Displays specific GL/2 warning on the touch screen.

• Disable (Initial setting)

Does not display specific GL/2 warning on the touch screen.

Detect image size

Specifies the output object area method that provides efficient printing, which avoids parts of images being cut off when a HP-GL/2 data does not include image drawing range information.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Processing options

• OFF (Initial setting)

Normally, use this setting.

>>>> Note

• When a HP-GL/2 data include image drawing range information, the image drawing range is determined using that information.

When a HP-GL/2 data does not include image drawing range information, the image drawing range use the printer's maximum roll paper width as the horizontal dimension and 1.5 times the maximum roll paper width as the vertical dimension.

Command priority

When select **OFF**, the drawing image is missing or is output as a blank sheet, use this setting.

>>>> Note

• When a HP-GL/2 data include image drawing range information, the image drawing range is determined using that information.

When a HP-GL/2 data does not include image drawing range information, the image drawing range is determined using the value designated by another command in the data.

However, not all HP-GL/2 data can be supported.

Select palette

Selects a palette to use when printing HP-GL/2 data.

According to the setting of the selected palette, the line width, line color, and line attributes are specified.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager >

Pen setup

Software (Initial setting)

Performs printing with the setting of HP-GL/2 data.

Palette A

Performs printing with the setting of Palette A.

Palette B

Performs printing with the setting of Palette B.

Factory

Performs printing with the predefined settings.

>>>> Note

- When you select a palette other than **Software**, the printer performs printing with the pen setting of the specified palette even if the image data has the pen setting.
- Palette A and Palette B have the same settings as Factory in the initial state.

Define palette

Specifies each pen setting in Palette A and Palette B.

The pen setting in Factory cannot be changed.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager >

Pen setup

• Palette A

Specifies the line width, line color, and line attributes from **Pen 0** to **Pen 15**. Each initial pen setting in **Palette A** is same setting as **Factory**.

Palette B

Specifies the line width, line color, and line attributes from **Pen 0** to **Pen 15**. Each initial pen setting in **Palette B** is same setting as **Factory**.

Factory

Performs printing with the predefined settings (line width/line color/line attributes). The pen setting cannot be changed.

Pen 0 to Pen 15

Specifies **Width**, **Color**, and **Line attributes** settings for each of the 16 pens (numbered 0 to 15) that make up each palette.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager > Pen setup > Define palette > Palette A or Palette B

• Width

Specifies the line width as one of the values below.

0.04mm/0.08mm/0.13mm/0.18mm/0.25mm/0.35mm

0.50mm/0.65mm/0.70mm/0.80mm/0.90mm/1.0mm

1.4mm/2.0mm/3.0mm/5.0mm/8.0mm/12.0mm

• Color

Specifies the line color from the color palette number from 0 to 255 indicated by the color sample printed with **Print color list for palettes**.

Line attributes

Specifies line cap and joint attributes.

• No setting

Leaves line caps unchanged.





Circle setting

Rounds line caps and line joints.



Reset palette

Resets palette pen parameters configured using Define palette.

This setting item sets the palette pen parameters back to the default.

This setting item is displayed by tapping in the following order.



(Setup) > Device settings > Print settings > HP-GL/2 print settings > Line & pen manager >

Pen setup

All palettes

Resets all palette pen parameters.

Palette A

Resets **Palette A** pen parameters.

• Palette B

Resets Palette B pen parameters.

PALETTE DEFAULTS

Palette defaults are the same settings as Factory in the initial state.

Pen number	Line Width (mm)	Colors (R, G, B)	Line Attributes	Тір	Connecting Line
0	0.13	0 (255, 255, 255)	Rounds	Rounds	Rounds
1	0.18	1 (0, 0, 0)	Rounds	Rounds	Rounds
2	0.25	2 (255, 0, 0)	Rounds	Rounds	Rounds
3	0.35	3 (0, 255, 0)	Rounds	Rounds	Rounds
4	0.50	4 (255, 255, 0)	No setting	No setting	Miter
5	0.65	5 (0, 0, 255)	No setting	No setting	Miter
6	0.70	6 (255, 0, 255)	No setting	No setting	Miter
7	0.80	7 (0, 255, 255)	No setting	No setting	Miter
8	0.90	8 (233, 233, 233)	No setting	No setting	Miter
9	1.0	12 (127, 127, 127)	No setting	No setting	Miter
10	1.4	19 (255, 214, 0)	No setting	No setting	Miter
11	2.0	27 (0, 255, 214)	No setting	No setting	Miter
12	3.0	35 (214, 0, 255)	No setting	No setting	Miter
13	5.0	68 (205, 205, 0)	No setting	No setting	Miter

14	8.0	100 (0, 168, 168)	No setting	No setting	Miter
15	12.0	110 (168, 0, 115)	No setting	No setting	Miter

Menu Setting Combinations

- Conserve paper and Auto rotation
- > Enlarge/Reduce (Scaling) and Auto rotation
- > Print centered and Cut to standard size
- **>** Cut to standard size and Auto rotation and Enlarge/Reduce (Fit paper size)
- Detect image size and Oversize
- > Detect image size and Print centered

Conserve paper and Auto rotation

When **Conserve paper** and **Auto rotation** are both specified, **Auto rotation** is performed first, followed by the **Conserve paper** process.

After **Auto rotation** is applied to the print data, the image is printed with upper and lower blank areas removed.

Conserve paper AND Auto rotation EXAMPLE

Print data (image drawing range)

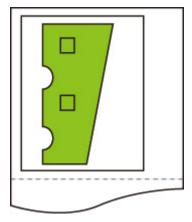
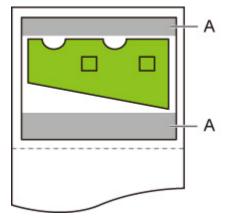
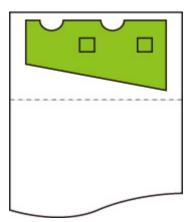


Image after auto rotation





Printed image



Printed without upper/lower blank area.

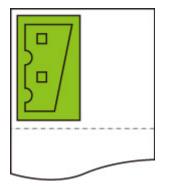
Enlarge/Reduce (Scaling) and Auto rotation

When both **Enlarge/Reduce** (Scaling) and **Auto rotation** are specified, **Enlarge/Reduce** (Scaling) is done first and then **Auto rotation** is done to determine if printing is possible.

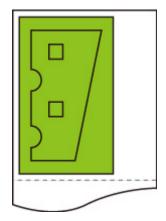
Printing is done without **Auto rotation** if the size of the image after doing **Enlarge/Reduce** (**Scaling**) would cause the image to run off the edge of the paper were **Auto rotation** executed.

Enlarge/Reduce (Scaling) AND Auto rotation EXAMPLE

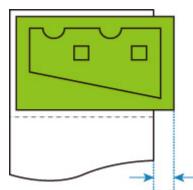
Print data (image drawing range)



• Printed image with Enlarge/Reduce (Scaling) only.



• Printed image when the image runs off the edge of paper.



Auto rotation is not performed.

Print centered and Cut to standard size

When both **Print centered** and **Cut to standard size** are specified, first the optimum standard size is determined based on the HP-GL/2 data and the roll paper loaded on the printer.

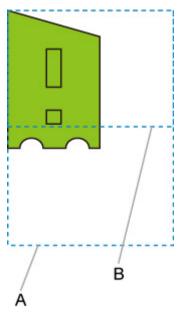
Next, **Print centered** is performed in accordance with the standard size.

Print centered AND Cut to standard size EXAMPLE

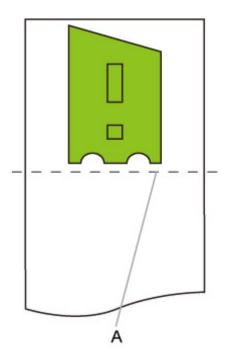
When A3 width roll paper is loaded, A3 portrait is chosen as the optimal standard size based on the roll paper width and image size.

Next, Print centered is performed in accordance with the A3 portrait.

Print data (image drawing range)

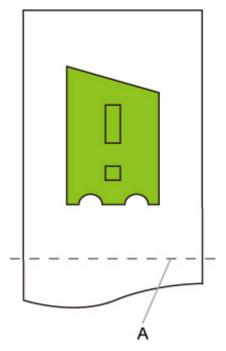


- A. Virtual area for A3 size (portrait)
- B. Virtual area for A4 size (landscape)
- Printed image when ON is selected for Print centered and OFF is selected for Cut to standard size



A. Position of cut

• Printed image when ON is selected for Print centered and ON is selected for Cut to standard size



A. Position of cut for A3 size (portrait)

Cut to standard size and Auto rotation and Enlarge/Reduce (Fit paper size)

When **Cut** to standard size, **Auto rotation**, and **Enlarge/Reduce** (**Fit paper size**) are all specified, first suitable standard size candidates are determined based on the roll paper loaded on the printer.

Next, it decides the optimum standard size and rotation direction from the matching result between the data to which **Auto rotation** is applied and all candidate sizes.

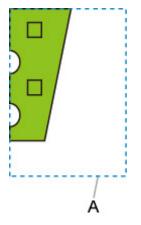
Finally, Enlarge/Reduce (Fit paper size) process is performed according to the decided standard size.

SMALL IMAGE EXAMPLE

When A3 width roll paper is loaded, A4 landscape is chosen as the optimal standard size based on the roll paper width and image size.

Next, **Auto rotation** is performed in accordance with the A4 landscape. Finally, the image is enlarged and printed to match A4 size paper.

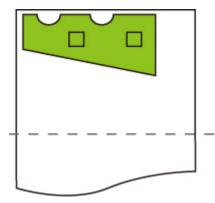
Print data (image drawing range)



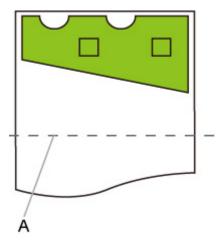
A. Virtual area for A4 size

Since the image fits on A4 size paper, A4 landscape is chosen as the standard size.

Image after auto rotation



• Printed image after fit to paper



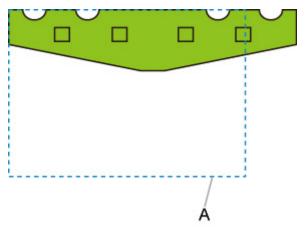
A. Position of cut for A4 size

LARGE IMAGE EXAMPLE

When A3 width roll paper is loaded, A3 portrait is chosen as the optimal standard size based on the roll paper width and image size.

Next, **Auto rotation** is performed in accordance with the A3 portrait. Finally, the image is reduced and printed to match A3 size paper.

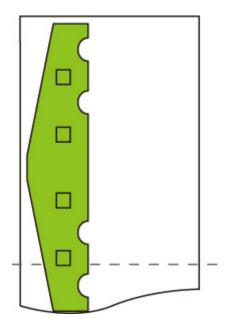
Print data (image drawing range)



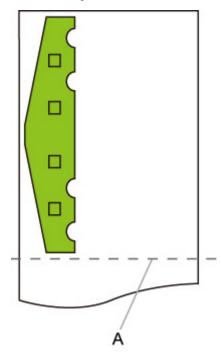
A. Virtual area for A3 size

Since the image does not fit on A3 size paper, A3 portrait is chosen as the maximum standard size.

· Image after auto rotation



Printed image after reduced



A. Position of cut for A3 size

Detect image size and Oversize

Operation is as described below when both Detect image size and Oversize are specified.

• When OFF or Command priority is selected for Detect image size and Disable is selected for Oversize:

First, determine the image drawing range based on the **Detect image size** setting, and then perform the processing when **Disable** is selected for **Oversize**.

Since margins are added inside the image drawing range, images may be chipped depending on the layout.

• When OFF or Command priority is selected for Detect image size and Enable is selected for Oversize:

First, determine the image drawing range based on the **Detect image size** setting, and then perform the processing when **Enable** is selected for **Oversize**.

Since margins are added outside the image drawing range, images will not be chipped due to the margins.

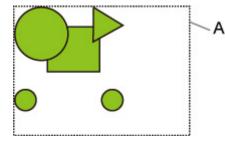
However, you will need to print on paper that is larger than the size of the image drawing range determined based on **Detect image size** setting, plus the top, bottom, left and right margins.

>>>> Note

• Not all HP-GL/2 data can be supported.

Detect image size AND Oversize EXAMPLE

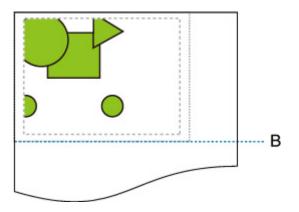
The example below shows printing of data in which a figure is located in the upper left corner with margins below and to the right, on roll paper that is larger than the command-specified image drawing range (size normally specified by the application).



A: The image drawing range determined based on the **Detect image size** setting

• When OFF or Command priority is selected for Detect image size and Disable is selected for Oversize:

Since margins are added inside the image drawing range, images may be chipped depending on the layout.

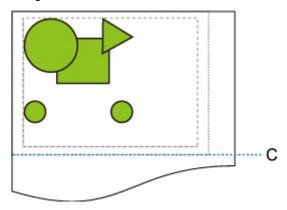


B: Position of cut

The paper is cut with the length of the image drawing range determined based on the **Detect image size** setting.

• When OFF or Command priority is selected for Detect image size and Enable is selected for Oversize:

Since margins are added outside the image drawing range, images will not be chipped due to the margins.



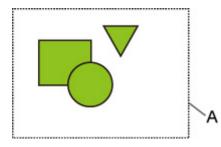
C: Position of cut

The paper is cut with the length obtained by adding the upper and lower margins to the length of the image drawing range determined based on the **Detect image size** setting.

Detect image size and Print centered

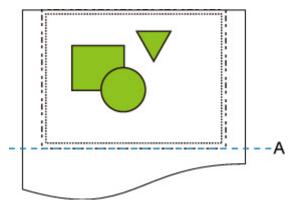
When **ON** is selected for **Print centered**, the image drawing range determined based on the **Detect image size** setting is printed in the center of the paper.

Detect image size AND Print centered EXAMPLE



A: The image drawing range determined based on the Detect image size setting

Printed image



A: Position of cut

The image drawing range determined based on the **Detect image size** setting is printed at the center of the paper.

Standard Size Table

The table below shows the standard sizes supported by Cut to standard size.

				\A/: -141- ()	
Standard Size (Portrait)	Width (mm)	Height (mm)	Standard Size (Landscape)	Width (mm)	Height (mm)
ISO A0	841.0	1189.0	ISO A1	841.0	594.0
ISO A1	594.0	841.0	ISO A2	594.0	420.0
ISO A2	420.0	594.0	ISO A3	420.0	297.0
A3 Nobi	329.0	483.0	No standard	-	-
ISO A3	297.0	420.0	ISO A4	297.0	210.0
ISO A4	210.0	297.0	No standard	-	-
Standard Size (Portrait)	Width (mm)	Height (mm)	Standard Size (Landscape)	Width (mm)	Height (mm)
ISO B1	707.0	1000.0	ISO B2	707.0	500.0
ISO B2	500.0	707.0	ISO B3	500.0	353.0
ISO B4	250.0	353.0	No standard	-	-
Standard Size (Portrait)	Width (mm)	Height (mm)	Standard Size (Landscape)	Width (mm)	Height (mm)
JIS B0	1030.0	1456.0	JIS B1	1030.0	728.0
JIS B1	728.0	1030.0	JIS B2	728.0	515.0
JIS B2	515.0	728.0	JIS B3	515.0	364.0
JIS B3	364.0	515.0	JIS B4	364.0	257.0
JIS B4	257.0	364.0	No standard	-	-
Standard Size (Portrait)	Width (mm)	Height (mm)	Standard Size (Landscape)	Width (mm)	Height (mm)
ANSI E	863.6	1117.6	ANSI D	863.6	558.8
ANSI F1	711.2	1016.0	No standard	-	-
ANSI D	558.8	863.6	ANSI C	558.8	431.8
ANSI C	431.8	558.8	Ledger	431.8	279.4
Ledger	279.4	431.8	Letter	279.4	215.9
Letter	215.9	279.4	No standard	-	-
No standard	-	-	Legal	355.6	215.9
Standard Size (Portrait)	Width (mm)	Height (mm)	Standard Size (Landscape)	Width (mm)	Height (mm)
ARCH E	914.4	1219.2	ARCH D	914.4	609.6
ARCH E1	762.0	1066.8	No standard	-	-
ARCH E2	660.4	965.2	No standard	-	-
ARCH E3	685.8	990.6	No standard	-	-
ARCH D	609.6	914.4	ARCH C	609.6	457.2

For details on the page size supported by your printer, refer to Paper Sizes.

ARCH C	457.2	609.6	ARCH B	457.2	304.8
ARCH B	304.8	457.2	ARCH A	304.8	228.6
ARCH A	228.6	304.8	No standard	-	-
Standard Size (Portrait)	Width (mm)	Height (mm)	Standard Size (Landscape)	Width (mm)	Height (mm)
DIN C1	648.0	917.0	DIN C2	648.0	458.0
DIN C2	458.0	648.0	DIN C3	458.0	324.0
DIN C3	324.0	458.0	DIN C4	324.0	229.0
DIN C4	229.0	324.0	No standard	-	-

Status Print

You can print a "Status Print" report indicating the current status of the printer.

With "Status Print", information is printed regarding the printer firmware version, various settings, and the status of consumables.

Follow the procedure below to print.

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap (Setup).
 - Menu Operations
- 3. Tap Device settings.
- 4. Tap Test print.
- 5. Tap Status print.

Note Note

• If you specify the administrator password, tap Status print (administrator).

6. Tap Yes.

The printer starts printing.

The following information is included.

Log *

Canon xx	xxxxxxxxxxxxxxx Status Print	Printer model
S/N		Printer serial number
Firm		Firmware version
Boot		Boot ROM version
Date		Date and time when the status print was output
Paper Inf	0	
	Roll Media	Type of roll paper
	Cut Sheet	Type of cut sheet
Job Menu	J	
J	lob History	

*Printed only when Status print (administrator) is selected.

Settings

Details of up to 5 jobs (Job name is printed as "*".)

Printer settings	nter settings		
Print settings	Setting values of Print head movable width setting an Prioritize paper size		
Paper-related settings	Setting values of Paper-related settings		
Device settings	ł		
Auto maintenance settings	Setting values of Auto maintenance settings		
Device user settings	Setting values of Other device settings		
Language selection	Setting value of Language selection		
Firmware update notification	Setting values of Update notification setting		
Monitoring service settings	Setting values of Enable/disable monitoring service		

Usage	Condition	
	Hardware error	History information of Hardware error
	Error	History information of Recoverable error
	Warning	Warning history information
	Jam	History information of Paper feed/transfer error
	Maintenance cartridge usage / Remaining ink level	Values of Ink consumed
	Duty counter	Values of Duty counter

PARTS STATUS

COUNTER	Part status

Head in	nformation	
	HEAD LOT NUMBER/ DATE OF INSTALLATION	Information of Head information
	Head alignment performance log	History information of Head alignment performance log

COUNTER

MEDIA	Usage status by media
THE NUMBER OF CUTS	Total number of cuts
AFTER INSTALLATION	Number of days from the use start date

Changing Printer's Setting Using Web Browser

- Configuration Changes Using Web Browser
- > Changeable Setting Items Using Web Browser
- Setting Password
- Registering Printer's Root Certificate to Web Browser for SSL Communication (Remote UI)
- Registering Printer's Root Certificate to Local Computer for SSL Communication
- Generating Server Certificate (Self-signed Certificate)
- Setting Mail Server
- Receiving Printer Status by E-mail

Configuration Changes Using Web Browser

You can check the printer status and change the printer settings using the web browser on your smartphone, tablet, or computer.

To check the printer status and to change the printer settings, display "Remote UI" on the web browser.

>>>> Note

• Remote UI is a software that enables you to perform operations, which are usually performed on the printer's operation panel, using a Web browser over a network.

LAN connection with the printer is required to use Remote UI.

- You can use Remote UI on the following OS and the web browser.
 - iOS device
 - OS: iOS 11.0 or later

Web browser: iOS standard Web browser (Mobile Safari)

- Android device
 - OS: Android 4.4 or later

Web browser: Android standard Web browser (Browser or Chrome)

macOS device

OS: Mac OS X 10.10 or later

Web browser: Safari 10.0 or later

Windows device

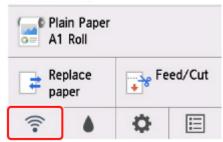
OS: Windows 7 SP1 or later

Web browser: Internet Explorer 11 or later, Google Chrome, Mozilla Firefox

1. <u>Make sure printer is turned on.</u>

- **2.** Check printer's IP address.
 - 1. On the HOME screen, tap the Network icon.

Ready to print



Depending on the type of LAN enabled, the icon displayed on the button may differ.

2. Tap the enabled LAN.

Diagonal lines are displayed for disabled LAN icons.

- 3. Check IPv4 address.
- 3. Open web browser on your smartphone, tablet, or computer and enter IP address.

Enter as following in the URL field of the web browser.

http://XXX.XX.X.XXX

Enter the IP address of the printer in "XXX.XX.X.XXX".

When you access, "Remote UI" will be displayed on the web browser on your smartphone, tablet, or computer.

4. If you display Remote UI for the first time on your smartphone, tablet, or computer, select **For secure communication**.

Download the root certificate, and then register it.

Registering Printer's Root Certificate to Web Browser for SSL Communication (Remote UI)

Note Note

- Once you register the root certificate to the web browser on your smartphone, tablet, or computer, this step is not necessary after the next time.
- If the root certificate is not registered, a message to warn you that the secure connection is not guaranteed may appear.

5. Select Log in.

The password authentication screen appears.

>>>> Note

• When the standard user mode is enabled, choose either administrator mode or standard user mode to log on.

After choosing a mode and selecting **Log in**, the password authentication screen of each mode appears.

6. Enter password.

When the password authentication is complete, the menus that can be utilized are displayed on the web browser.

>>>> Important

• The password is set at the time of purchase. The password is the printer serial number. The printer serial number is printed on the sticker attached on the printer. It consists of 9 alphanumeric characters (four alphabets followed by five numbers).

For details on setting password, see <u>Setting Password</u>.

7. Check printer status and change printer settings.

For changeable setting items, see below.

Changeable Setting Items Using Web Browser

- 8. When you finish checking printer status and changing printer settings, select Log out.
- 9. Close web browser.

Changeable Setting Items Using Web Browser

>>>> Note

- The items described here and the items displayed in the web browser may differ in display order.
- The item which can be used is different in administrator mode or in standard user mode.

Items for Security

Security (Item for administrator)

This function allows you to specify the password, the standard user mode settings, the operation restrictions, and SSL/TLS settings of certificate for encrypted communication.

For details on setting password, see Setting Password.

Operation panel lock (Item for administrator)

Select this item from Custom settings on Device settings.

Selecting Enable disables any operations using the operation panel.

A message informing you that operations are invalid appears when you tap the touch screen. An error or warning is displayed even while this function is enabled.

Items for Maintenance/Management

Utilities

This function allows you to set and execute the printer utility functions such as cleaning.

Job management

This function allows you to display the job history and print it. In addition, you can delete jobs from this item.

Note

 When you are logging on in administrator mode, you can restrict this function in standard user mode.

System info and LAN settings

This function allows you to check the system information and to change the LAN settings.

Using **IP filtering** in **Advanced setup** in **LAN settings**, you can permit or refuse the connection of a specific IP address for IPv4 address or IPv6 address.

Using **SNMP settings** in **Advanced setup** in **LAN settings**, you can specify the SNMP and MIB setting to management the printer via a network.

Important

 If you have refused the IP address of administrator's device using IP filtering by mistake, reset LAN settings of the printer. To reset LAN settings, select System info and LAN settings > LAN settings > Advanced setup > Reset LAN settings, and then select Yes.

If you place a check mark of **Enable HTTPS redirection** in **CHMP settings** in **Advanced setup** in **LAN settings**, it becomes possible to authenticate the communication partner and encrypt the communication data by HTTPS communication.

>>>> Note

• Some of the menu is available only when you logged on in administrator mode.

Language selection (Item for administrator)

This function allows you to change the language on the display.

Items for Printer

Device settings

This function allows you to change the printer settings such as the energy saving settings and the print settings.

Additionally, this function allows you to receive the printer status information such as the remaining ink level and the error.



Receiving Printer Status by E-mail

You can disable any operations using the operation panel from **Operation panel lock** on **Custom settings**.

>>>> Note

• Some of the menu is available only when you logged on in administrator mode.

AirPrint settings

This function allows you to specify the AirPrint settings, such as position information.

Other Items

Printer status

This function displays printer information such as the remaining ink amount, the status, and detailed error information.

You can also connect to the ink purchase site or support page, and use Web Services.

Manual (Online)

This function displays the Online Manual.

Setting Password

Each of passwords for administrator and standard user can be set.

When logging on with password for administrator, all settings can be changed.

When logging on with password for standard user, some of the settings can be changed.

When logging on with password for administrator, you can restrict the function for standard user.

- Setting Administrator Password
- Setting Standard User Password

>>>> Note

• Password can be set only when you are logged in administrator mode.

Setting Administrator Password

Change the administrator password by following the steps below.

Important

• The password is set at the time of purchase. The password is the printer serial number. The printer serial number is printed on the sticker attached on the printer. It consists of 9 alphanumeric characters (four alphabets followed by five numbers).

1. Start up Remote UI.

- 2. Select Security.
- 3. Select Administrator password setting.

4. Select Change administrator password.

If an administrator password is not specified, the confirmation message appears. Confirm the message and select **Yes**. When message appears again, confirm it and select **OK**.

5. Select range where administrator password is valid and select OK.

Remote UI or other tools

Entering the administrator password is required to change the setting items using the Remote UI or some software.

Operation panel/Remote UI/other tools

Entering the administrator password is required to change the setting items using the operation panel of the printer, the Remote UI, or some software.

6. Enter password and select OK.

Important

• The following character restrictions apply to the password:

- Set the password by using 4 to 32 characters.
- The allowed characters are single-byte alphanumeric characters.
- For security reasons, we recommend you use 8 and more alphanumeric characters.
- 7. When completion message appears, select OK.

Setting Standard User Password

For restricting the function for standard user, enable the standard user mode and set a standard user password by following the steps below.

1. Start up Remote UI.

2. Select Security.

The menus appear.

- 3. Select Standard user mode settings.
- 4. When confirmation message appears, select Yes.
- 5. Enter password and select OK.

Important

- The following character restrictions apply to the password:
 - Set the password by using 4 to 32 characters.
 - The allowed characters are single-byte alphanumeric characters.
 - For security reasons, we recommend you use 8 and more alphanumeric characters.
- 6. When completion message appears, select OK.

Registering Printer's Root Certificate to Web Browser for SSL Communication (Remote UI)

If the printer's root certificate has not been registered to the web browser, a message to warn you that the secure connection is not guaranteed may appear.

When you display Remote UI for the first time on your smartphone, tablet, or computer, download the root certificate, and then register it to the web browser. The secure connection will be confirmed and a message will not appear. However, the message may appear depending on a web browser even after you have registered the root certificate.

How to register the root certificate varies depending on the web browser.

- For Internet Explorer
- For Safari
- For Chrome on Android
- For Mobile Safari on iOS

Operating procedure may differ depending on the version of your web browser. For other web browser, refer to each help.

Important

- Make sure that you have accessed to the printer IP address correctly by checking the URL field of the web browser before registering the root certificate.
- If the printer is connected via IPv6 using Windows, you need to generate a server certificate using Remote UI.

For details, see Generating Server Certificate (Self-signed Certificate).

For Internet Explorer

1. Select For secure communication on Remote UI.

2. Select Download.

Downloading the root certificate is started.

3. If confirmation screen appears, select Open.

Certificate screen is displayed.

Note Note

• To save the certificate file to your device and register it, select **Save**. Select **Internet options** from **Tool** menu of Internet Explorer, register the root certificate from **Certificates** on **Content** sheet.

4. Select Install Certificate.

Certificate Import Wizard screen is displayed.

- 5. Select Next.
- 6. Select Place all certificates in the following store.
- 7. Select Browse.

Select Certificate Store screen is displayed.

- 8. Select Trusted Root Certification Authorities and OK.
- 9. Select Next on Certificate Import Wizard screen.
- If Completing the Certificate Import Wizard appears, select Finish.
 Security Warning screen is displayed.
- 11. Make sure that thumbprint on Security Warning screen matches printer's thumbprint.

The printer's thumbprint is displayed in **Root cert. thumbprint (SHA-1)** column or **Root cert. thumbprint (SHA-256)** column when tapped in the following order.



(Setup) > Printer information > System information

- 12. If thumbprint on Security Warning screen matches printer's thumbprint, select Yes.
- 13. Select OK on Certificate Import Wizard screen.

The root certificate registration is completed.

For Safari

- 1. Select For secure communication on Remote UI.
- 2. Select Download.

Downloading the root certificate is started.

3. Open the downloaded file.

Keychain access starts up and Add Certificates screen is displayed.

4. Select Add.

Information on the certificate is displayed.



- You can also add the certificate by selecting **Show Certificate**, checking certificate name to add, and then selecting the same certificate on Keychain access.
- 5. Make sure that fingerprint of certificate detail information matches printer's thumbprint.

The printer's thumbprint is displayed in **Root cert. thumbprint (SHA-1)** column or **Root cert. thumbprint (SHA-256)** column when tapped in the following order.



(Setup) > Printer information > System information

 If fingerprint of certificate detail information matches printer's thumbprint, display information on certificate from the menu or by double-clicking the certificate, and select Always Trust on Trust.

The root certificate registration is completed.

>>>> Note

• If a password is set on your device, entering a password may be required.

For Chrome on Android

1. Select For secure communication on Remote UI.

2. Select Download.

Downloading the root certificate is started and then Name the certificate screen is displayed.

3. As entering the root certificate name is required, enter an arbitrary certificate name and select **OK**.

The root certificate registration is completed.

>>>> Note

• If PIN or password is not set as security type, the attention screen may appear. Select **OK**, and then set the security type to PIN or password.

After Root Certificate Registration

We recommend that you make sure that the correct root certificate has been registered.

To make sure that the correct root certificate has been registered, make sure that thumbprint of certificate information matches printer's thumbprint. Follow the steps below.

Note

• Some Android devices cannot be checked the thumbprint of a registered route certificate.

- From Settings menu on your device, select Security, Trust credentials, and USER. The list of downloaded certificates appears.
- 2. Select downloaded certificate.

The certificate information appears.

3. Make sure that thumbprint of certificate information matches printer's thumbprint.

The printer's thumbprint is displayed in **Root cert. thumbprint (SHA-1)** column or **Root cert. thumbprint (SHA-256)** column when tapped in the following order.

(Setup) > Printer information > System information

4. If thumbprint of certificate information screen matches printer's thumbprint, select OK.

The root certificate registration is completed.

If the message to warn you that the secure connection is not guaranteed appears when you select **Log in** on Remote UI after registering the root certificate, restart the web browser. The message will not appear on the web browser.

>>>> Note

• Depending on the Android device, a warning may appear even after registering the proper root certificate.

For Mobile Safari on iOS

1. Select For secure communication on Remote UI.

2. Select Download.

Downloading the root certificate is started and then Install Profile screen is displayed.

3. Select Install.

Warning screen is displayed.

Note

• If a password is set on your device, entering a password may be required.

4. Select Install.

5. Select Install on displayed dialog.

The root certificate registration is completed.

Registering Printer's Root Certificate to Local Computer for SSL Communication

To use Device Management Console or Accounting Manager, etc. when you connect the printer to a computer using SSL encrypted communication, you need to register (import) the printer's root certificate to your computer.

Procedure to register the certificate varies depending on your operation environment.

Important

• If the printer is connected via IPv6 using Windows, you need to generate a server certificate using Remote UI.

For details, see Generating Server Certificate (Self-signed Certificate).

- For Windows 10/Windows 8.1
- For Windows 7
- For macOS

Operation procedure may differ depending on your OS version.

For Windows 10/Windows 8.1

The procedure below describes how to import a root certificate in Windows 10/Windows 8.1.

- 1. Start up Remote UI.
- 2. Select For secure communication.

Difference Note

- You can download a certificate from Status Monitor.
 - 1. Open status monitor.

Open the printer's property, and select **Status Monitor...** on **Main**.

2. Download a certificate.

Select Download Security Certificate from the Remote UI menu.

3. Select Download.

The root certificate will be downloaded.

4. When download confirmation screen is displayed, select Open.

The Certificate screen appears.

5. Select Install Certificate.

The Certificate Import Wizard screen appears.

- 6. Select Local Machine.
 - 1. Select Local Machine on the startup screen of Certificate Import Wizard.

÷	🚰 Certificate Import Wizard	×
	Welcome to the Certificate Import Wizard	
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
	Store Location	
	● Local Machine	
	To continue, dick Next.	
	Next Cance	1

- 2. Select Next.
- 3. Select Yes on the displayed screen.

The Certificate Store screen appears.

- 7. Select Place all certificates in the following store.
- 8. Select Trusted Root Certificate Authorities.
 - 1. Select Browse to open the Select Certificate Store screen.
 - 2. Select Trusted Root Certificate Authorities from the list and select OK.
 - 3. Select Next on the Certificate Store screen.
- 9. Select Finish.

When the **Completing the Certificate Import Wizard** screen appears, check the settings and select **Finish**.

For Windows 7

The procedure below describes how to import a root certificate in Windows 7.

>>>> Important

• Be sure to create a certificate snap-in before importing a root certificate.

The root certificate will be registered to the local user if you import it without creating a certificate snap-in.

Creating Certificate Snap-in

1. Start up Microsoft Management Console.

Enter MMC on Search programs and files in the Start menu and press the Enter key.

- 2. Select Yes on displayed screen.
- 3. Select Add/Remove Snap-in from File menu.

The Add or Remove Snap-ins screen appears.

- 4. Add Certificate snap-in.
 - 1. Select Certificates from Available snap-ins list and select Add.
 - 2. Select Computer account for This snap-in will always manage certificates for on the Certificates snap-in screen and select Next.
 - 3. Select Local computer on the Select computer screen and select Finish.

ect Computer			
Select the computer you w This snap-in will always m			
	computer this console is runnin	ng on)	
Another computer:		_	Browse
Allow the selected or only applies if you sa	mputer to be changed when la ve the console.	unching from the cor	mmand line. This
		Back Finis	h Cancel

4. Select OK on the Add or Remove Snap-ins screen.

Downloading Certificate

- 1. Start up Remote UI.
- 2. Select For secure communication.

>>>> Note

- You can download a certificate from Status Monitor.
 - **1.** Open status monitor.

Open the printer's property, and select **Status Monitor...** on **Main**.

2. Download a certificate.

Select Download Security Certificate from the Remote UI menu.

- 3. Select Download.
- 4. Select Save.

Importing Certificate

- 1. Open Certificate Import Wizard.
 - 1. On the left window, open Trusted Root Certificate from Certificate on Console Root.
 - 2. Right-click Certificates and select Import from All tasks.
- 2. Specify certificate file to import.
 - 1. Select Next.
 - 2. Specify the certificate file to import on File name and select Next.
- 3. Specify certificate store.
 - 1. Select Place all certificates in the following store.
 - 2. Select Trusted Root Certificate Authorities for Certificates Store.
- 4. Finish certificate import wizard.
 - 1. Select Next and check the specified settings.
 - 2. Select Finish to finish the wizard.

3. Select OK on the displayed screen.

Checking Imported Certificate

Make sure the imported certificate has been registered to your computer.

1. Display certificate list.

On the left window of Microsoft Management Console, select **Console Root** > **Certificates (Local Computer)** > **Trusted Root Certificate Authorities** in this order, and Select **Certificates** to display the certificate list.

2. Check registered certificate.

Make sure the imported certificate name is displayed on the list.

>>>> Note

• Make sure you can see the registered certificate from **Current user** by creating the **Current user** snap-in.

Note

• When you finish Microsoft Management Console, a message asking you whether to save the console setting. If you continue to apply the same settings next, select **Yes** to save.

For macOS

The procedure below describes how to import a root certificate in macOS.

1. Start up Remote UI.

2. Select For secure communication.

3. Select Download.

The root certificate will be downloaded.

4. Open downloaded certificate file.

When the download procedure is completed, a downloaded item pops up on the right of the screen.

Double-click the downloaded certificate on the list starts up **Keychain Access** and the **Add Certificates** screen appears.



• If the downloaded item does not pop up, select the **Show Downloads** we button on the right.

• Selecting the magnifying glass icon on the right of download list displays the folder containing the certificate.

5. Select Add.

Select the destination for the certificate on Keychain.

Selecting Add displays information on the certificate.

>>>> Note

- You can add the certificate by selecting the same certificate on **Keychain Access**. Check the name of certification to add after selecting **View Certificates**.
- 6. Check certificate.

Make sure the fingerprint of certificate shown on **Details** corresponds with the root certificate thumbprint of the printer.

The printer's thumbprint is displayed in **Root cert. thumbprint (SHA-1)** column or **Root cert. thumbprint (SHA-256)** column when tapped in the following order.



(Setup) > Printer information > System information

7. Select Always Trust.

If the fingerprint of certificate detail information matches printer's thumbprint, display information on certificate from the menu or by double-clicking the certificate, and select **Always Trust** on **Trust**.

The root certificate has been registered.

>>>> Note

• Entering the password may be required if you specify it for your printer.

Generating Server Certificate (Self-signed Certificate)

When you use SSL connection via IPv6 network, you need to generate an IPv6 server certificate using the printer.

Generate the server certificate from Remote UI.

Follow the procedure below.

- 1. Checking Printer's IP Address
- 2. Generating Server Certificate
- 3. Checking Generated Server Certificate

>>>> Important

 If you generate an IPv6 server certificate, you cannot use SSL communication via IPv4. In addition, a warning message may appear if you are using Remote UI.

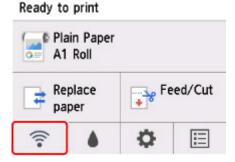
To reset the IPv6 server certificate, tap in the following order from the operation panel.



(Setup) > Device settings > LAN settings > Wi-Fi / Wireless Direct / Wired LAN > Settings > Advanced > Reset SSL certificates > Yes

Checking Printer's IP Address

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap the Network icon.



Depending on the type of LAN enabled, the icon displayed on the button may differ.

3. Tap the enabled LAN.

Diagonal lines are displayed for disabled LAN icons.

4. Flick the screen, check the value on IPv6 link-local address.

Write down the value on **IPv6 link-local address** for your reference when you open Remote UI and generate a server certificate.

Generating Server Certificate

1. Open web browser on your smartphone, tablet, or computer and enter the printer IP address.

Enter as following in the URL field of the web browser.

http://[XXXX::XXXX:XXXX:XXXX]

On "XXXX::XXXX:XXXX:XXXX:XXXX", enter the IPv6 link-local address in abbreviated form.

The top screen of Remote UI appears.

2. Select Log in on Remote UI.

>>>> Note

- If you specify the administrator password, enter the password.
- 3. Select Security.
- 4. Select SSL/TLS settings.
- 5. Select Generate key and certificate.
- 6. Select Generate self-signed cert.
- 7. Specify each setting item.
 - Signature algorithm

Select SHA256.

Public key length (bits)

Select 2048 bits.

• Specify the expiration date.

Enter the date you generated the server certificate on Valid from.

Enter the date the server certificate expires on Valid to.

• Enter the common name.

On Common name, enter the IPv6 link-local address you checked in abbreviated form.

>>>> Note

- When you enter the common name, add [] to each end of the abbreviation value of the printer's IPv6 address.
- Do not use a comma or make a space for the common name.
- 8. Select Next.

You need not enter anything on **Country**, **State or province**, **Locality**, **Organization**, or **Organizational unit**.

9. Select Generate.

The server certificate starts to be generated.

When the server certificate has been generated, Generated a self-signed certificate. appears.

10. Select Restart LAN.

LAN will be restarted.

When LAN has been restarted, Printer status on Remote UI appears.

>>>> Note

• If you cannot access to Remote UI after you restart LAN, reload your web browser.

Checking Generated Server Certificate

- 1. Select Security on Remote UI.
- 2. Select SSL/TLS settings.
- 3. Select Check key and certificate.

Make sure the issuer of the root certificate is displayed on **Issued by**, and the value you entered is displayed on **Common name** on **Subject**.

Setting Mail Server

To use mail function, specify the mail server settings.

*This function may not be available depending on the country or region of purchase.

Note

• If you did not specify the time zone setting using the printer's operation panel, a message to inform you that the correct time may not be reflected on the sent e-mail appears. We recommended that you set the time zone setting using the printer's operation panel.

For the time zone setting, see Other device settings.

• These functions can be set only when you are logged in administrator mode.

1. Start up Remote UI.

2. Select Device settings.

3. Select Set mail server.

The setting items for mail server appear.

4. Specify mail server settings.

Specify the following items.

Sender address

Enter the e-mail address of the sender (this printer).

Outgoing mail server (SMTP)

Enter the address of your SMTP server.

Port number (SMTP)

Enter the port number of your SMTP server.

Secure connection (SSL)

Select if you use the secure connection (SSL).

Don't verify certificates

Select if you do not verify the certificate.

Authentication method

Select one of the following authentication methods.

SMTP authentication

Select if you send e-mail with SMTP authentication.

Then select **OK**, and then make the following settings.

Outgoing account

Enter the account name for sending to perform the authentication.

Outgoing password

To set / change the password for sending in order to perform the authentication, check the **Set/change password** and then enter the password.

POP before SMTP

Select if you send e-mail with POP before SMTP authentication.

Then select **OK**, and then make the following settings.

Incoming mail server (POP3)

Enter the address of your POP3 server.

Port number (POP3)

Enter the port number of your POP3 server.

Incoming account

Enter the account name for receiving to perform the authentication.

Incoming password

To set / change the password for receiving in order to perform the authentication, check the **Set/change password** and then enter the password.

Use APOP authentication

Select if you send the password by the encryption transmission.

Clear mailbox

Select if you delete the e-mails that remain in the POP3 server.

Important

• When this setting is enabled, e-mail in the Inbox on the server will have all been removed. If you specify the e-mail address of your everyday, be sure to disable this setting as unread e-mail is not deleted. We recommended that you prepare this printer dedicated e-mail account not to accidentally delete the unread e-mail.

5. Select OK.

The setting operation is completed.

Receiving Printer Status by E-mail

You receive the printer status information such as the remaining ink level and the error from the printer.

*This function may not be available depending on the country or region of purchase.

>>>> Note

- Specify the mail server settings in advance.
 - Setting Mail Server
- If you did not specify the date and time setting using the printer's operation panel, the date and time may not be reflected on the sent e-mail. We recommended that you set the date and time setting using the printer's operation panel.

For the date and time setting, see Other device settings.

- These functions can be set only when you are logged in administrator mode.
- 1. Start up Remote UI.
- 2. Select Device settings.
- 3. Select Status notification e-mail.
- 4. Select Notification recipients.
- 5. Specify destination settings.

Up to 5 destinations can be registered by following the steps below.

- 1. Select number of destination.
- 2. Select Add.
- 3. Enter e-mail address, and then select printer status to send information.
- 4. Select OK.

The registration for destination is completed.

6. Select Device settings > Status notification e-mail > Retry settings.

7. Specify resending settings.

The number of resending can be specified by following the steps below.

- 1. Specify number of resending.
- 2. Specify interval of resending.

3. Select OK.

The resending setting is completed.

Printer Parts

Printer Parts

- Front
- Side
- Top Cover (Inside)
- Where to Attach the Roll Holder
- Carriage
- Ink Tank Cover (Inside)
- Stand
- Operation Panel

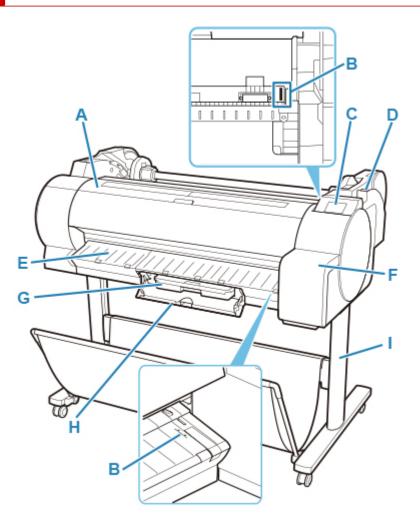
Optional accessories

- Roll Holder Set
- Stand

Printer Parts

- Front
- ► Side
- > Top Cover (Inside)
- > Where to Attach the Roll Holder
- ► Carriage
- Ink Tank Cover (Inside)
- Stand
- Operation Panel

Front



(A) Top Cover

Open this cover to install the print head and remove any jammed paper from inside the printer, as needed. (See "<u>Top Cover (Inside)</u>.")

(B) Paper Alignment Line

A white line for alignment of paper.

(C) Operation Panel

Use this screen to operate the printer and check the printer status. (See "Operation Panel.")

(D) Release Lever

When releasing the Paper Retainer, push this lever back.

(E) Output Guide

Supports output paper.

(F) Ink Tank Cover

Open this cover to replace the ink tank. (See "Ink Tank Cover (Inside).")

(G) Maintenance Cartridge

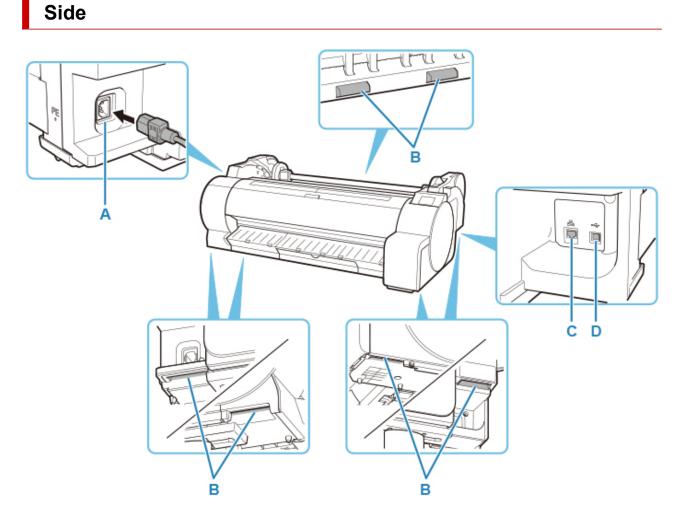
Ink used for maintenance purposes such as head cleaning is absorbed. (Replace the cartridge when it is full.)

(H) Maintenance Cartridge Cover

Open this cover to replace the maintenance cartridge.

(I) Stand

A stand that holds the printer. Equipped with casters to facilitate moving it. (See "Stand.")



(A) Power Cord Connector

Connect the power cord to this connector.

(B) Carrying Grips

When carrying the printer, have three or more people hold it by these handles under both sides. Furthermore, hold the left and right of these parts when moving the printer with a stand.

Number of people required to carry

For the TA-30 (approx. 44 kg) : 3 people or more

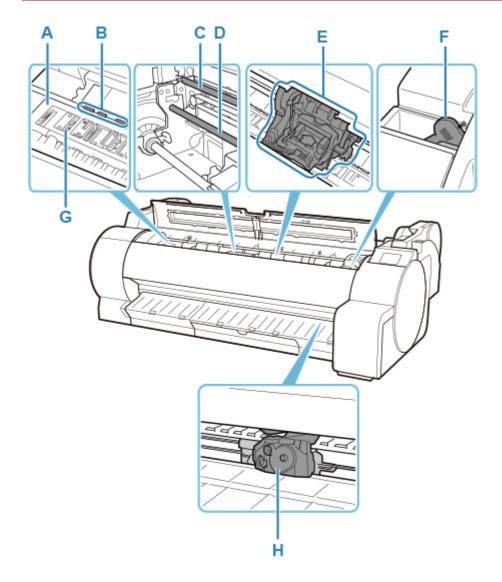
(C) Wired LAN Connector

Connect an Ethernet cable to this port. The lamp is lit if the Ethernet cable is connected correctly and communication is possible between the computer and printer.

(D) USB Port

Connect a USB cable to this port. The printer is compatible with Hi-Speed USB connections.

Top Cover (Inside)



(A) Platen

The print head moves across the platen to print.

(B) Paper Retainer

Important in supplying the paper. This retainer holds paper as it is fed.

(C) Linear Scale

The linear scale serves a key role in detecting the carriage position.

(D) Carriage Shaft

The Carriage slides along this shaft.

(E) Carriage

Moves the print head. The carriage serves a key role in printing. (See "Carriage.")

(F) Cleaning Brush

When cleaning inside the printer under the top cover, use this brush to sweep away paper dust on the platen.

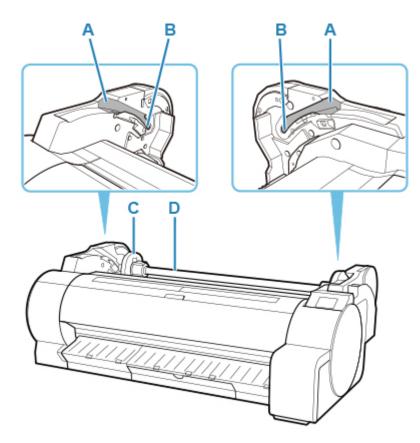
(G) Borderless Printing Ink Grooves

For catching ink outside the edges of paper during borderless printing.

(H) Cutter Blade

A round-bladed cutter for automatic paper cutting.

Where to Attach the Roll Holder



(A) Slide Guide

Move the roll holder along this guide.

(B) Roll Holder Slot

Slide the roll holder into this slot.

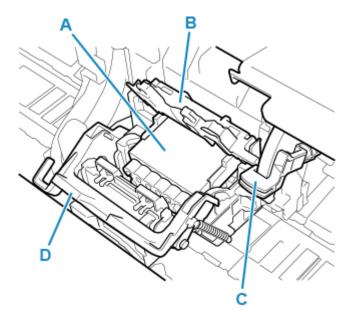
(C) Holder Stopper

Secure the roll on the roll holder with this part.

(D) Roll Holder

Load the roll on this holder.

Carriage



(A) Print Head

The printhead is equipped with ink nozzles. The carriage serves a key role in printing.

(B) Print Head Locking Cover

Secures the print head.

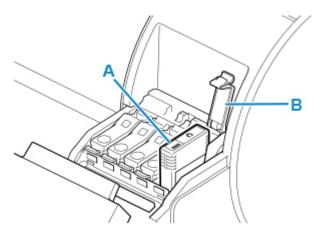
(C) Angle Adjustment Lever

Fine-tunes the line misalignment when printing.

(D) Print Head Lock Lever

Lock print head locking cover.

Ink Tank Cover (Inside)



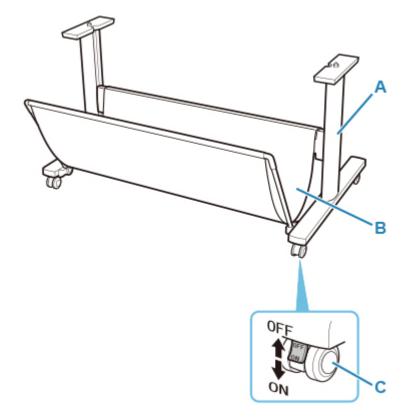
(A) Ink Tank

Cartridges of ink in various colors.

(B) Ink Tank Lock Lever

A lever that locks the ink tank in place and protects it. Lift and press down the lever when replacing an ink tank.

Stand



(A) Stand

A stand that holds the printer. It is equipped with casters to facilitate movement.

(B) Basket

Catches the ejected printed documents.

(C) Locking Caster

The casters can be locked securely. When moving the printer, be sure to unlock the 4 casters. If you move it while the locking casters are locked, the floor may become scratched.

>>>> Note

- · For instructions on how to use the basket, see "Using the Basket".
- Depending on the product, a stand may not be provided.

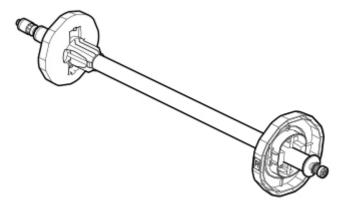
Optional accessories

- ► Roll Holder Set
- Stand

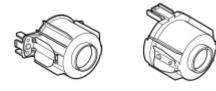
Roll Holder Set

Load a roll on the roll holder and then load the holder in the printer. The roll holder in the roll holder set RH2-35 is for use with both 2-inch and 3-inch paper cores. Use the correct attachment for the particular paper core. (See "Loading Rolls on the Roll Holder.")

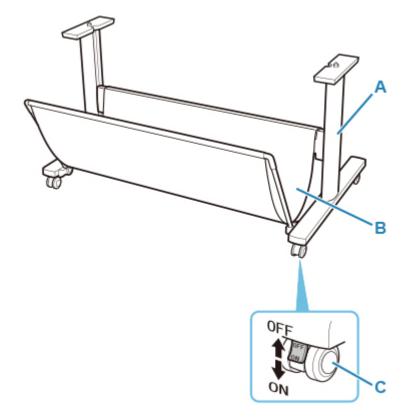
- Roll holder set RH2-35
 - Roll holder (for 2- and 3-inch paper cores)



• 3-inch paper core attachment



Stand



(A) Stand

A stand that holds the printer. It is equipped with casters to facilitate movement.

(B) Basket

Catches the ejected printed documents.

(C) Locking Caster

The casters can be locked securely. When moving the printer, be sure to unlock the 4 casters. If you move it while the locking casters are locked, the floor may become scratched.

Note

- For instructions on how to use the basket, see "Using the Basket".
- Depending on the product, a stand may not be provided.

Network Setting

Network Connection Tips

- Printer Connection Methods
- Default Network Settings
- Another Printer Found with Same Name
- Connecting to Another Computer via LAN/Changing from USB to LAN Connection
- Printing Network Settings
- Reconfiguration Method of LAN Connection/Reconfiguration Method of Wi-Fi Connection
- Reconfiguration of Network Settings using the Remote UI
- Countermeasures against Unauthorized Access
- Network Status and Troubleshooting

IJ Network Device Setup Utility (Windows)

- IJ Network Device Setup Utility
- Starting Up IJ Network Device Setup Utility
- Diagnosing and Repairing Network Settings
- Performing/Changing Network Settings
- List of Models Which Does Not Support Diagnosis and Repair Function
- List of Models Which Does Not Support IPv6 Configuration via USB Connection
- Other Network Information

IJ Network Device Setup Utility (macOS)

- IJ Network Device Setup Utility
- Starting Up IJ Network Device Setup Utility
- Diagnosing and Repairing Network Settings
- List of Models Which Does Not Support Diagnosis and Repair Function
- Other Network Information

> Sharing the Printer on a Network (Windows)

- Setting Up a Shared Printer
- Restrictions on Printer Sharing

Sharing the Printer on a Network (macOS)

- Settings on Print Server
- Settings on Client PC
- Restrictions on Printer Sharing

Connecting Smartphone/Tablet to Printer via Wi-Fi

• Connecting Smartphone/Tablet to Printer via Wireless Router

Network Connection Tips

- Printer Connection Methods
- Default Network Settings
- > Another Printer Found with Same Name
- Connecting to Another Computer via LAN/Changing from USB to LAN Connection
- Printing Network Settings
- Reconfiguration Method of LAN Connection/Reconfiguration Method of Wi-Fi Connection
- Reconfiguration of Network Settings using the Remote UI
- Countermeasures against Unauthorized Access
- Network Status and Troubleshooting

Printer Connection Methods

LAN or USB connection is available to connect the printer to a smartphone/tablet.

- LAN Connection:
- USB Connection:
- Another Connection Method:

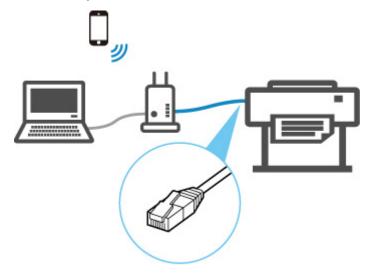
LAN Connection:

Connect the printer to a smartphone/tablet via LAN.

Select one of the methods below for LAN connection.

· Connection via wired LAN

Connect the printer and computer to a router using a LAN cable. If your router supports Wi-Fi connection, you can connect a device via Wi-Fi.



>>>> Note

- · Devices connected to the router must be connected to the same network
- What Is Ethernet Cable?
- Advantages of Connecting Printer via Wired LAN
- Restrictions
- · Connection via a wireless router

Connect the printer and computer or smartphone/tablet to a wireless router via Wi-Fi.

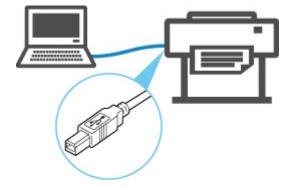


Note

- Devices connected via Wi-Fi must be connected to the same network
- Advantages of Connecting Printer over Wi-Fi
- Restrictions

USB Connection:

Connect the printer to a computer using a USB cable.



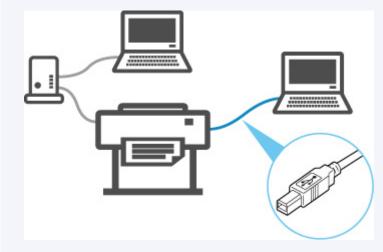
What Is USB Cable?

In USB connection, the printer is connected one-on-one to the computer.

If your computer is connected to LAN, you can use the printer with other devices by enabling the sharing setting on your computer.

>>>> Note

• You can connect the printer to a computer via USB even when the printer is already connected to another one via wired LAN.



Another Connection Method:

Using Wireless Direct enables you to connect the printer directly to a computer or smartphone/tablet without a wireless router.



LAN Connection Defaults

Item	Default
Enable/Disable LAN	Wired LAN enabled
Network name (SSID)	BJNPSETUP
Communication mode	Infrastructure
Wi-Fi security	Disable
IP address (IPv4)	DHCP
IP address (IPv6)	Auto setup
Set printer name*	XXXXXXXXXXXX
Enable/disable IPv6	Enable
Enable/disable WSD	Disable
Timeout setting	15 minutes
Enable/disable Bonjour	Enable
Service name	Canon TA-30
LPR protocol setting	Enable
Wi-Fi DRX setting	Enable
Wired LAN DRX setting	Enable

("XX" represents alphanumeric characters.)

* Default value depends on printer. To check value, use operation panel.

LAN settings

Wireless Direct Defaults

Item	Default
Network (SSID)/device name	DIRECT-abXX-TA-30 *1
Password	YYYYYYYYY *2
Wi-Fi security	WPA2-PSK (AES)
Connection request confirmation	Displayed

*1 "ab" is specified at random and "XX" represents last two digits of printer's wireless MAC address.

*2 The password is specified automatically when the printer is turned on for the first time.

Another Printer Found with Same Name

When the printer is found during setup, other printers with the same name may appear on the results screen.

Select a printer with checking the printer settings against those on detection result screen.

Check the printer's MAC address or serial to select the correct printer from the results.

>>>> Note

• Serial number may not appear on result screen.

Check the printer's MAC address and the serial number by one of the following methods.

• Display on the touch screen.

MAC address

LAN settings

Serial number

- Printer information
- Print the network settings.
 - Printing Network Settings

Connecting to Another Computer via LAN/Changing from USB to LAN Connection

For Windows:

For macOS:

For Windows:

To add a computer to connect to the printer on a LAN or to change from USB to LAN connection, perform setup using the Setup CD-ROM or from the web page.

For macOS:

To connect an additional computer to the printer via LAN, or to change from USB to LAN connection, perform setup from the web page.

Printing Network Settings

Use the operation panel to print the printer's current network settings.

>>>> Important

- The network settings printout contains important information about your network. Handle it with care.
- 1. Check that printer is turned on.
- 2. Load plain paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer

If you use sheets, prepare at least 10 sheets (A4 or Letter-sized).

Loading Sheets in the Printer



- 4. Select Device settings.
- 5. Select LAN settings.
- 6. Select Print details.
- 7. Select Yes on displayed screen.
- 8. Select Yes or No on displayed screen.

The printer starts printing network settings information.

Note

 You can also print the printer's network settings. Select the Test print > Print LAN details > Yes > Yes.

ie 🗘 (s

(Setup) icon > Device settings >

The printed network settings information is as follows: (Some setting values are not displayed depending on the printer settings.)

Item	Description	Setting
LAN Setting	Basic setting information	-
Basic Info	IPv4 setting information (Wired LAN)	-

LAN Interface Mode	Current interface	Wired LAN/Wireless LAN(Infra)/Wire- less LAN(AP)/Wireless(Wireless direct)/ Disabled
Link Active	Operation status	Inactive/Active
Gigabit Ethernet Settings	Communication speed and communication method when using Gigabit Ethernet	Auto/10M half duplex/10M full duplex/ 100M half duplex/100M full duplex/1G full duplex
IP Address	IPv4 IP address	XXX.XXX.XXX.XXX
Gateway Address	IPv4 default gateway	XXX.XXX.XXX.XXX
Subnet Mask	IPv4 subnet mask	XXX.XXX.XXX.XXX
IP Mode	Acquiring method of IPv4 IP address	Auto IP/DHCP/Manual
Use DNS Auto Mode	Acquiring DNS server automatically	On/Off
Primary DNS Server Address	Primary DNS server address	XXX.XXX.XXX.XXX
Secondary DNS Server Address	Secondary DNS server address	XXX.XXX.XXX.XXX
Control Filtering	SNMP filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Disabled/Enabled
IP Filtering Permission Address	IP filtering permission address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
Start Address 2	Start address 2	xxx.xxx.xxx.xxx
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
Start Address 4	Start address 4	XXX.XXX.XXX.XXX
End Address 4	End address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
Start Address 5	Start address 5	XXX.XXX.XXX.XXX

End Address 5	End address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
IP Filtering Prohibit Address	IP filtering prohibit address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
Start Address 2	Start address 2	XXX.XXX.XXX.XXX
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
Start Address 4	Start address 4	XXX.XXX.XXX.XXX
End Address 4	End address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
LAN Setting	Basic setting information	-
Basic Info	IPv4 setting information (Wired LAN)	-
Control Filtering	SNMP filtering setting information	-
IP Filtering Prohibit Address	IP filtering prohibit address	-
Start Address 5	Start address 5	XXX.XXX.XXX.XXX
End Address 5	End address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
Print Filtering	Print filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Disabled/Enabled
IP Filtering Permission Address	IP filtering permission address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off

Start Address 2	Start address 2	XXX.XXX.XXX.XXX
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
Start Address 4	Start address 4	XXX.XXX.XXX.XXX
End Address 4	End address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
Start Address 5	Start address 5	XXX.XXX.XXX.XXX
End Address 5	End address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
IP Filtering Prohibit Address	IP filtering prohibit address	-
Start Address 1	Start address 1	XXX.XXX.XXX.XXX
End Address 1	End address 1	XXX.XXX.XXX.XXX
Use Single On 1	Use single on 1	On/Off
Start Address 2	Start address 2	XXX.XXX.XXX.XXX
End Address 2	End address 2	XXX.XXX.XXX.XXX
Use Single On 2	Use single on 2	On/Off
Start Address 3	Start address 3	XXX.XXX.XXX.XXX
End Address 3	End address 3	XXX.XXX.XXX.XXX
Use Single On 3	Use single on 3	On/Off
Start Address 4	Start address 4	XXX.XXX.XXX.XXX
End Address 4	End address 4	XXX.XXX.XXX.XXX
Use Single On 4	Use single on 4	On/Off
Start Address 5	Start address 5	XXX.XXX.XXX
End Address 5	End address 5	XXX.XXX.XXX.XXX
Use Single On 5	Use single on 5	On/Off
LAN Setting	Basic setting information	-

IPv6 Info	IPv6 setting information (Wired LAN)	-
Link Local Address	Link local address	-
IP Address	IPv6 IP address	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX
Prefix Length	Link local address prefix length	XXX (0 to 128)
Use Manual Mode	Operation status of IPv6 manual address	On/Off
Manual Address	Manual address	-
IP Address	IPv6 IP address	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length	Prefix length	XXX (0 to 128)
Use Stateful Address Mode	Operation status of stateful address mode	On/Off
Stateful Address	Stateful address	-
IP Address	IPv6 IP address	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length	Prefix length	XXX (0 to 128)
Stateless Address	Stateless address	-
IP Address 1	IP address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length 1	Prefix length 1	XXX (0 to 128)
IP Address 2	IP address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length 2	Prefix length 2	XXX (0 to 128)
IP Address 3	IP address 3	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length 3	Prefix length 3	XXX (0 to 128)
IP Address 4	IP address 4	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX
Prefix Length 4	Prefix length 4	XXX (0 to 128)
Gateway Address	Gateway address	-
IP Address 1	IP address 1	XXXX:XXXX:XXXX
		xxxx:xxxx:xxxx:xxxx

Prefix Length 1	Prefix length 1	XXX (0 to 128)
IP Address 2	IP address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length 2	Prefix length 2	XXX (0 to 128)
IP Address 3	IP address 3	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length 3	Prefix length 3	XXX (0 to 128)
IP Address 4	IP address 4	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Prefix Length 4	Prefix length 4	XXX (0 to 128)
Use DNS Auto Mode	Acquiring DNS server automatically	On/Off
Primary DNS Server Address	Primary DNS server address	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Secondary DNS Server Address	Secondary DNS server address	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Control Filtering	SNMP filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Disabled/Enabled
IPv6 Filtering Permission Info	IPv6 filtering permission information	-
IP Filtering Start Address 1	IP filtering start address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 1	IP filtering end address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 1	Use single on 1	On/Off
LAN Setting	Basic setting information	-
IPv6 Info	IPv6 setting information (Wired LAN)	-
Control Filtering	SNMP filtering setting information	-
IP Filtering Start Address 2	IP filtering start address 2	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 2	IP filtering end address 2	XXXX:XXXX:XXXX
		xxxx:xxxx:xxxx:xxxx

Use Single On 2	Use single on 2	On/Off
IP Filtering Start Address 3	IP filtering start address 3	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 3	IP filtering end address 3	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 3	Use single on 3	On/Off
IP Filtering Start Address 4	IP filtering start address 4	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 4	IP filtering end address 4	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 5	IP filtering end address 5	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 5	Use single on 5	On/Off
IPv6 Filtering Prohibit Info	IPv6 Filtering prohibit information	-
IP Filtering Start Address 1	IP filtering start address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 1	IP filtering end address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 1	Use single on 1	On/Off
IP Filtering Start Address 2	IP filtering start address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 2	IP filtering end address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 2	Use single on 2	On/Off
IP Filtering Start Address 3	IP filtering start address 3	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 3	IP filtering end address 3	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 3	Use single on 3	On/Off

IP Filtering Start Address 4	IP filtering start address 4	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 4	IP filtering end address 4	
		xxxx:xxxx:xxxx
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 5	IP filtering end address 5	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 5	Use single on 5	On/Off
Print Filtering	Print filtering setting information	-
Use IP Filtering	Operation status of IP filtering	On/Off
IP Filtering Select	IP filtering method	Disabled/Enabled
IP Filtering Permission Info	IP filtering permission information	-
IP Filtering Start Address 1	IP filtering start address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 1	IP filtering end address 1	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 1	Use single on 1	On/Off
IP Filtering Start Address 2	IP filtering start address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 2	IP filtering end address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 2	Use single on 2	On/Off
LAN Setting	Basic setting information	-
IPv6 Info	IPv6 setting information (Wired LAN)	-
Print Filtering	Print filtering setting information	-
IP Filtering Start Address 3	IP filtering start address 3	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 3	IP filtering end address 3	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 3	Use single on 3	On/Off

IP Filtering Start Address 4	IP filtering start address 4	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX
IP Filtering End Address 4	IP filtering end address 4	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 5	IP filtering end address 5	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 5	Use single on 5	On/Off
IPv6 Filtering Prohibit Info	IPv6 Filtering prohibit information	-
IP Filtering Start Address 1	IP filtering start address 1	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 1	IP filtering end address 1	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 1	Use single on 1	On/Off
IP Filtering Start Address 2	IP filtering start address 2	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 2	IP filtering end address 2	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 2	Use single on 2	On/Off
IP Filtering Start Address 3	IP filtering start address 3	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 3	IP filtering end address 3	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 3	Use single on 3	On/Off
IP Filtering Start Address 4	IP filtering start address 4	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 4	IP filtering end address 4	XXXX:XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 4	Use single on 4	On/Off
IP Filtering Start Address 5	IP filtering start address 5	XXXX:XXXX:XXXX

		XXXX:XXXX:XXXX:XXXX
IP Filtering End Address 5	IP filtering end address 5	XXXX:XXXX:XXXX
		XXXX:XXXX:XXXX:XXXX
Use Single On 5	Use single on 5	On/Off
MAC Info	MAC address setting information (Wired/Wi-Fi)	-
MAC Address(Wired)	MAC address (Wired LAN)	XX:XX:XX:XX:XX
MAC Address(Wireless)	MAC address (Wi-Fi)	XX:XX:XX:XX:XX
Use MAC Address Filtering	Operation status of MAC address filtering	On/Off
MAC Filtering Select	MAC address filtering method	Disabled/Enabled
MAC Filtering Permission Info	MAC filtering permission information	-
MAC Address 1	MAC address 1	XX:XX:XX:XX:XX
MAC Address 2	MAC address 2	XX:XX:XX:XX:XX
MAC Address 3	MAC address 3	XX:XX:XX:XX:XX
MAC Address 4	MAC address 4	XX:XX:XX:XX:XX
MAC Address 5	MAC address 5	XX:XX:XX:XX:XX
LAN Setting	Basic setting information	-
MAC Info	MAC address setting information (Wired/Wi-Fi)	-
MAC Filtering Prohibit Info	MAC filtering prohibit information	-
MAC Address 1	MAC address 1	XX:XX:XX:XX:XX
MAC Address 2	MAC address 2	XX:XX:XX:XX:XX
MAC Address 3	MAC address 3	XX:XX:XX:XX:XX
MAC Address 4	MAC address 4	XX:XX:XX:XX:XX
MAC Address 5	MAC address 5	XX:XX:XX:XX:XX
Proxy Setting	Proxy server setting information	-
Use Proxy	Use proxy server	On/Off
Proxy Server Address	Proxy server address	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Proxy Port Number	Proxy port specification	1 to 65535
Use User Authority Mode	Use user authority mode	On/Off

Proxy Server User Name	Proxy server user name	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Wireless LAN Setting	Wi-Fi setting information	-
Channel	Channel (infrastructure)	XXX (0 to 255)
SSID	SSID	Wi-Fi (infrastructure) SSID (up to 32 characters)
Security Type	Security type for Wi-Fi (infrastructure)	Disabled/WEP 64bit/WEP 128bit/WPA PSK TKIP/WPA PSK AES/WPA2 PSK TKIP/WPA2 PSK AES/MIXED
WEP1	WEP key 1 for Wi-Fi (infrastructure)	XXXXXXXX (up to 32 characters)
WEP2	WEP key 2 for Wi-Fi (infrastructure)	XXXXXXXX (up to 32 characters)
WEP3	WEP key 3 for Wi-Fi (infrastructure)	XXXXXXXX (up to 32 characters)
WEP4	WEP key 4 for Wi-Fi (infrastructure)	XXXXXXXX (up to 32 characters)
WEP Certificate	WEP certificate for Wi-Fi (infrastructure)	Open/Shared/Auto
WEP Format	WEP format for Wi-Fi (infrastructure)	Hex/String
Direct Connection Setting	Wireless direct setting information	-
Device Name	Wireless direct device name	Wireless direct device name (up to 32 characters)
Channel	Channel (Wireless direct)	XXX (0 to 255)
SSID	SSID	Wireless direct network name (SSID) (up to 32 characters)
Security Type	Security type for Wi-Fi (Wireless direct)	Disabled/WPA2 PSK TKIP/WPA2 PSK AES
WSD Setting	WSD setting information	-
Use WSD	Use WSD	On/Off
WSD Timeout	Timeout	1/5/10/15/20 [min]
Use WSD Rx Optimization	Use WSD reception optimization	On/Off
Protocol Setting	Protocol setting information	-
Printer Name	Printer name	XXXXXXXX (up to 16 characters)
Use LPR	Use LPR	On/Off
Use Wired DRX	Discontinuous reception (Wired LAN)	On/Off
Use Wireless DRX	Discontinuous reception (Wi-Fi)	On/Off

Use RAW	Use RAW	On/Off
Use LLMNR	Use LLMNR	On/Off
Use Spanning Tree	Use spanning tree	On/Off
Use Dedicated Port	Dedicated port setting	On/Off
SNMP Setting	SNMP setting information	-
Use SNMPv1	Use SNMPv1	On/Off
Use SNMPv3	Use SNMPv3	On/Off
SNMP Community Name1	SNMPv1 community name 1	XXXXXXXX (up to 32 characters)
SNMP Community Name2	SNMPv1 community name 2	XXXXXXXX (up to 32 characters)
SNMP Extra Access Authority	SNMPv1 extra access authority	Disable/Read Only/Read Write
SNMP Access Authority1	SNMPv1 community1/2 access authority	Read Only/Read Write
SNMP Access Authority2	SNMPv1 community1/2 access authority	Disable/Read Only/Read Write
SNMPv3 Setting	SNMPv3 setting information	- ·
User1	User 1	-
User Name	User name	XXXXXXXXX (up to 32 characters)
Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Priv/Auth No Priv/Auto Priv
Authority Algorithm	Authority algorithm	Null/MD5/SHA1
Encryption Algorithm	Encryption algorithm	Null/AES/DES
User2	User 2	
User Name	User name	XXXXXXXX (up to 32 characters)
Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Priv/Auth No Priv/Auto Priv
Authority Algorithm	Authority algorithm	Null/MD5/SHA1
Encryption Algorithm	Encryption algorithm	Null/AES/DES
User3	User 3	-
User Name	User name	XXXXXXXX (up to 32 characters)

Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Priv/Auth No Priv/Auto Priv
Authority Algorithm	Authority algorithm	Null/MD5/SHA1
Encryption Algorithm	Encryption algorithm	Null/AES/DES
User4	User 4	-
User Name	User name	XXXXXXXX (up to 32 characters)
Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Priv/Auth No Priv/Auto Priv
Authority Algorithm	Authority algorithm	Null/MD5/SHA1
Encryption Algorithm	Encryption algorithm	Null/AES/DES
User5	User 5	-
User Name	User name	XXXXXXXX (up to 32 characters)
Use SNMPv3	Use SNMPv3	On/Off
MIB Access Restriction	MIB access restriction	Read Only/Read Write
Security Setting	Security setting	No Auth No Priv/Auth No Priv/Auto Priv
Authority Algorithm	Authority algorithm	Null/MD5/SHA1
Encryption Algorithm	Encryption algorithm	Null/AES/DES
Dynamic DNS Setting	Dynamic DNS setting	-
IPv4	IPv4	-
Use Dynamic DNS	Operation status of Dynamic DNS	On/Off
Host Name	Host name	XXXXXXXX (up to 64 characters)
Domain Name	Domain name	XXXXXXXX (up to 65 characters)
IPv6	IPv6	-
Use Manual Address	DNS dynamic setting of manual address	On/Off
Use Stateless Address	DNS dynamic setting of stateless address	On/Off
Use Stateful Address	DNS dynamic setting of stateful address	On/Off
Use Name As IPv4	Use same host name/domain name as that used for IPv4	On/Off

[
Host Name	Host name	XXXXXXXX (up to 64 characters)
Domain Name	Domain name	XXXXXXXX (up to 65 characters)
SNTP Setting	SNTP setting information	-
Use SNTP	Use SNTP	On/Off
SNTP Polling Interval	SNTP polling interval	1 to 48 [sec]
SNTP Server Name	SNTP server name	XXXXXXXX (up to 256 characters)
FTP Setting	FTP setting information	-
Use FTP	Use FTP	On/Off
Use FTP Authority	Use FTP authority	On/Off
FTP User Name	FTP user name	XXXXXXXX (up to 33 characters)
Bonjour Setting	Bonjour setting information	-
Use Bonjour	Use Bonjour	On/Off
Bonjour Service Name	Bonjour service name	Bonjour service name (Up to 50 alpha- numeric characters)
802.1X Setting	802.1X setting information	-
Authority Type	Enable/disable 802.1X and authority type	Do not use/EAP-TLS/EAP-TTLS/PEAP
EAP TTLS Type	Internal authority type for EAP-TTLS	MSCHAPv2/PAP
Weak Encryption Restriction	Weak encryption restriction	Do not restrict/Restrict
Weak Certificate Restriction	Weak certificate restriction	Do not restrict/Restrict
Login Name	Login name	XXXXXXXX (up to 24 characters)
User Name	User name	XXXXXXXX (up to 24 characters)
Server Name	Server name	XXXXXXXX (up to 43 characters)
IPsec Setting	IPsec setting information	-
Use IPsec	Use IPsec	On/Off
Phase2 Protocol	IPsec phase2 protocol	AH/ESP/AH+ESP
IPP Setting	IPP confirmation setting	-
Use IPP	Use IPP	On/Off
Use IPP Authority	Use IPP authority	On/Off
IPP User Setting	IPP confirmation user setting	-
User1	User 1	-

SMTP state	Invalid/Authorized/POP before SMTP
SMTP server port number	1 to 65535
SMTP server address	XXXXXXXXX (up to 256 characters)
Use mailbox delete	On/Off
Use SSL certification	On/Off
Use SSL	On/Off
Use E-mail notification	On/Off
E-mail retry interval	1 to 60 (min)
E-mail retry count	0 to 5
E-mail setting information	-
User name	XXXXXXXXXX (up to 32 characters)
User 10	-
User name	XXXXXXXXX (up to 32 characters)
User 9	-
User name	XXXXXXXXX (up to 32 characters)
User 8	-
User name	XXXXXXXXX (up to 32 characters)
User 7	-
User name	XXXXXXXXX (up to 32 characters)
User 6	-
User name	XXXXXXXXX (up to 32 characters)
User 5	-
User name	XXXXXXXXX (up to 32 characters)
User 4	-
User name	XXXXXXXXX (up to 32 characters)
User 3	-
User name	XXXXXXXXX (up to 32 characters)
User 2	-
	User nameUser 3User 4User 4User 5User 5User 6User 7User 7User 8User 8User 9User 10User 10User nameUser 10User 10Use 10 </td

From Address	From address	XXXXXXXX (up to 128 characters)
To Address 1	To address 1	XXXXXXXXX (up to 128 characters)
Reply Address 1	Reply address 1	XXXXXXXXX (up to 128 characters)
Notice Conditions 1	Notice conditions 1	-
Job End	Job end	On/Off
Error Occurred	Error occurred	On/Off
Warning Occurred	Warning occurred	On/Off
Signature 1	Signature 1	XXXXXXXX (up to 128 characters)
To Address 2	To address 2	XXXXXXXX (up to 128 characters)
Reply Address 2	Reply address 2	XXXXXXXX (up to 128 characters)
Notice Conditions 2	Notice conditions 2	-
Job End	Job end	On/Off
Error Occurred	Error occurred	On/Off
Warning Occurred	Warning occurred	On/Off
Signature 2	Signature 2	XXXXXXXX (up to 128 characters)
RUI Setting	Remote UI setting information	-
Use RUI	Use Remote UI	On/Off

("XX" represents alphanumeric characters.)

Reconfiguration Method of LAN Connection/Reconfiguration Method of Wi-Fi Connection

- Changing LAN Connection Method
- Changing Wi-Fi Connection Method

Changing LAN Connection Method

Follow either procedure below to change LAN connection method (wired or wireless).

- For Windows:
 - Redo setup using the Setup CD-ROM or from the web page.
 - Select Enable for Enable/disable Wired LAN or Enable/disable Wi-Fi in the touch screen menu.
 - After that, perform settings on the Network Settings screen on IJ Network Device Setup Utility.

For details, refer to <u>Performing/Changing Wi-Fi Settings</u> or <u>Performing/Changing Wired LAN</u> <u>Connection (Ethernet Cable) Settings</u>.

• For macOS:

Redo setup from the web page.

Changing Wi-Fi Connection Method

Follow either procedure below to change Wi-Fi connection method (infrastructure or wireless direct).

- For Windows:
 - Redo setup using the Setup CD-ROM or from the web page.
 - Perform settings on the Network Settings screen on IJ Network Device Setup Utility.

Important

- Before you perform settings using IJ Network Device Setup Utility, change the printer settings following the procedure below.
 - 1. Check that printer is turned on.
 - 2. Select (Network status) icon.

Menu Operations

If you specify the administrator password, enter the password.

- 3. Select Wi-Fi.
- 4. Select Settings.

5. Select Wi-Fi setup.

- 6. Select Easy wireless connect.
- 7. Check message and select OK.

Follow instructions on your smartphone or tablet.

8. If message saying setup is completed appears, select OK.

• For macOS:

Redo setup from the web page.

Reconfiguration of Network Settings using the Remote UI

You can use Remote UI on the following OS and the web browser.

iOS device

OS: iOS 11.0 or later

Web browser: iOS standard Web browser (Mobile Safari)

Android device

OS: Android 4.4 or later

Web browser: Android standard Web browser (Browser or Chrome)

macOS device

OS: Mac OS X v10.10 or later

Web browser: Safari 10.0 or later

Windows device

OS: Windows 7 SP1 or later

Web browser: Internet Explorer 11 or later, Google Chrome, Mozilla Firefox

For more on Remote UI, refer to Configuration Changes Using Web Browser.

Important

- Enable JavaScript and cookies in the web browser.
- If you access Remote UI with the printer name instead of its IP address, make sure the DNS settings are correctly configured.
- Depending on the network environment, you may not be able to start Remote UI.
- On the HOME screen, select (Setup) > Device settings > Other device settings > Operation restrictions, and then make sure Do not restrict is selected for Remote UI.

>>>> Note

• Remote UI also offers many other features. You can display the ink levels, check error messages and other status information, and cancel print jobs.

Countermeasures against Unauthorized Access

This section describes countermeasures against an unauthorized access to the printer from outside. When you use the printer via a network or you are an administrator, we recommend you read this section before using the printer.

Four countermeasures below can be helpful against an unauthorized access.

- Specify a Private IP Address
- Restrict Communication Using Firewall or Wi-Fi Router
- Specify a Password for the Printer
- Apply higher security level for Wi-Fi connection

>>>> Note

• As the setting procedure described below is an example, it may be different from that of your printer. For details, refer to your printer's manual.

Specify a Private IP Address

An IP address is a numeric label assigned to each device on the network. There are two types of IP address. One is used for internet connection ("global IP address"), and the other is used for a local area network such as an inhouse LAN ("private IP address").

If a global IP address is specified for the printer, many and unspecified users on internet can access to the printer. As a result, you will face an increased risk of information leakage caused by an unauthorized access from outside. On the other hand, if a private IP address is specified for the printer, users who can access to the printer are confined to those on a local area network such as an inhouse LAN. Therefore, we recommend you specify a private IP address for the printer.

The range of addresses used as a private IP address is shown below. Make sure whether a private IP address is specified for your printer.

Range of private IP address

- 10.0.0.0 to 10.255.255.255
- 172.16.0.0 to 172.31.255.255
- 192.168.0.0 to 192.168.255.255

Procedure to check the IP address

Select **Setup** > **Device settings** > **LAN settings** on your printer to select a network connection method and check the IP address. For the procedure to check and specify the IP address, refer to your printer's manual.

Note

• Establishing an environment to protect an access from outside using a firewall can reduce a risk of an unauthorized access even though a global IP address is specified for your printer.

Restrict Communication Using Firewall or Wi-Fi Router

Firewall is a system which prevents an unauthorized access from an external network user to protect an inhouse network against attack or intrusion.

Firewall enables your network to be protected against an unauthorized access by restricting a communication from the specific external IP address which seems to have a risk.

A home use Wi-Fi router has a similar function. Be careful when you change the settings.

Specify a Password for the Printer

Even if a malicious third party accesses to your printer by any chance, you can reduce a risk of information leakage drastically by specifying a password to protect various information on your printer.

In addition, though the printer can be protected by specifying a password, it is important to manage the specified password for security. Manage your password referring to the four points below. For details, refer to your printer's manual.

- Be sure to change the default password.
- · Change the password periodically.
- Do not use a password easy to guess for a third party.
- · Do not tell a third party about the specified password casually.

>>>> Note

- A password is not specified for some printers at the time of purchase. In this case, specify the password for the printer.
- A password cannot be specified for some printers.

Password management using Remote UI (User Interface)

Remote UI is a software to access to the printer via a network by using a web browser. You can check the printer status or settings on Remote UI, which allows you to perform operations almost the same as those you can on the operation panel of the printer.

Entering the printer's IP address or host name on the web browser displays the portal page of Remote UI.

For the procedure to start up or operations of Remote UI, refer to your printer's manual.

Important

• Do not access to a website while you are using Remote UI on the web browser.

In addition, be sure to close the web browser when you leave your seat before you finish performing settings, or when you have finished performing settings.

Apply higher security level for Wi-Fi connection

When you use the printer via Wi-Fi, we recommend you apply a security method with higher security level (e.g. WPA/WPA2).

For more on operations, refer to your printer's manual.

Network Status and Troubleshooting

Check the network status referring to LAN setting information on the touch screen.

Confirm LAN settings

Network Status	What to Do
Connected normal- ly. If you are unable to print, see 1 on What to Do.	 If you are unable to print, check the items below: whether the computer is connected to Wi-Fi whether the firewall of your security software is enabled whether a privacy separator, SSID separator, or Network separation function is enabled on your wireless router If one of the above is enabled, disable it before setup. whether the SSID of the printer (see "3-2-6" of network setting information printout) matches that of the router to connect To change the network connection method (wired/wireless), change it on the printer's network setting screen.
LAN is disabled on the printer.	Perform printer setup following the instructions of the manual.
Wired LAN connec- tion is disabled.	 Make sure the printer is connected to the router with the LAN cable. If the LAN cable is loose, connect the cable properly. If the LAN cable is connected to the WAN side of the router, connect the cable to the LAN side of the router. Make sure the network devices (e.g. hub or router) are turned on.
IP address is not assigned.	 If you specify the printer's IP address automatically, enable DHCP on the router. If you specify the printer's IP address manually, the address is disabled because it is out of the valid range. You specified (0.0.0.0) as the IP address, for example. Specify the valid IP address.
The default gate- way is not specified.	 Check the items below to communicate by hopping routers (e.g. using a cloud application). If you specify the printer's IP address manually, make sure the correct default gateway address is specified for the printer manually. Make sure the device specified as the default gateway is turned on. Specify the default gateway address correctly. To check the default gateway, print out the network settings information. Note For some printers, you can check the default gateway on the operation panel.
Cannot connect to the specified net-work.	 Check the status of the printer, network devices (e.g. wireless router), or smartphone/tablet. If they are turned off, turn them on. Make sure wireless signal is strong. Monitor signal status and move the printer and wireless router as necessary. The security key specified for the wireless router may not match that you entered.

	The security key is case-sensitive. Enter the correct security key.
The number of con- nected clients rea- ches the upper limit. Make sure wireless signal is strong.	 Make sure the printer is not placed too far away from the wireless router. Wireless Direct does not allow more than 5 devices to be connected. If you add a device to connect, disconnect a device you do not use before adding the device.
A link local address is assigned.	 Perform printer setup again. The security key specified for the wireless router may not match that you entered. The security key is case-sensitive. Enter the correct security key.
The specified SSID is left default value.	The SSID is not specified. Enter the SSID specified for the destination.

IJ Network Device Setup Utility (Windows)

- IJ Network Device Setup Utility
- > Starting Up IJ Network Device Setup Utility
- Diagnosing and Repairing Network Settings
- Performing/Changing Network Settings
- List of Models Which Does Not Support Diagnosis and Repair Function
- List of Models Which Does Not Support IPv6 Configuration via USB Connection

IJ Network Device Setup Utility

IJ Network Device Setup Utility allows you to diagnose or repair the network status, and to perform printer settings on network.

Use IJ Network Device Setup Utility for:

- · Searching printers on network and performing initial network setup for detected printers
- Performing initial network setup by connecting the printer and computer using a USB cable (Not available for some models)
- · Changing printer network settings
- Diagnosing the settings of the printer and those of computer on which IJ Network Device Setup Utility is installed if anything is wrong with connection. In addition, IJ Network Device Setup Utility repairs the status of the printer and computer (Not available for some models).

>>>> Important

• Depending on the printer you are using, an administrator password is already specified for the printer at the time of purchase. When you change the network settings, authentication by the administrator password is required.

For details:

Administrator Password

For improving security, we recommend to change the administrator password.

Change Administrator Password

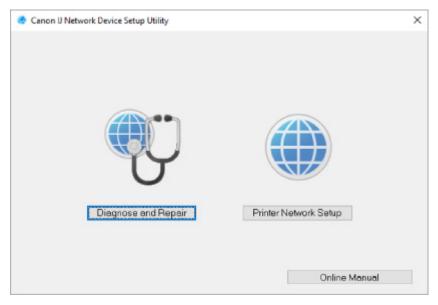
- To use the printer over LAN, make sure you have the equipment necessary for the connection type, such as a wireless router or a LAN cable.
- When you install IJ Network Device Setup Utility, disable block function of firewall.
- Do not change network settings using IJ Network Device Setup Utility while printing is in progress.

Starting Up IJ Network Device Setup Utility

Start up IJ Network Device Setup Utility as shown below.

- In Windows 10, select Start > (All apps >) > Canon Utilities > IJ Network Device Setup Utility.
- In Windows 8.1 or Windows 8, select IJ Network Device Setup Utility on the Start screen to start IJ Network Device Setup Utility. If IJ Network Device Setup Utility is not displayed on the Start screen, select the Search charm and search for "IJ Network Device Setup Utility".
- In Windows 7 or Windows Vista, click Start and select All Programs, Canon Utilities, IJ Network Device Setup Utility, and then IJ Network Device Setup Utility.

When you start up IJ Network Device Setup Utility, a message appears. Check the message and select **Yes**. The screen below appears.



Select Diagnose and Repair or Printer Network Setup on the displayed screen.

- If you select Diagnose and Repair:
 - Diagnosing and Repairing Network Settings
- If you select Printer Network Setup:
 - Performing/Changing Network Settings

Diagnosing and Repairing Network Settings

IJ Network Device Setup Utility diagnoses and repairs computer settings or connection between the computer and printer when a problem (e.g. cannot print from a printer on the network) occurs.

>>>> Important

· Some models do not support diagnosis and repair function.

For details:

List of Models Which Does Not Support Diagnosis and Repair Function

Follow the procedure below.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Diagnose and Repair on the displayed screen.

Perform operations following the instructions on the screen.

>>>> Note

- This function checks the following items:
 - whether the computer is connected to the router
 - whether a web page on the Internet can be viewed
 - whether the printer can be detected on the network
 - whether the signal strength or communication level is sufficient (when using Wi-Fi)
 - · whether the printer port setting matches with the network setting

Performing/Changing Network Settings

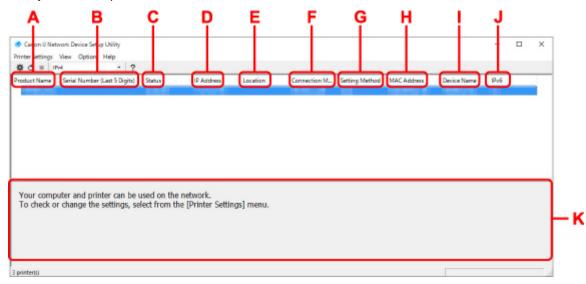
- Canon IJ Network Device Setup Utility Screen
- Performing Network Settings

Canon IJ Network Device Setup Utility Screen

- Items on Canon IJ Network Device Setup Utility Screen
- Menus on Canon IJ Network Device Setup Utility Screen
- Items on Canon IJ Network Device Setup Utility Screen Toolbar

Items on Canon IJ Network Device Setup Utility Screen

The screen below appears when you start up IJ Network Device Setup Utility and select **Printer Network Setup**. Detected printers are listed on the screen and the items below are shown.



A: Product Name

Displays the product name of detected printer. The icon below appears on the left if the printer cannot be used.

 56 : Appears when the printer requires setup or has not been configured.

^{IP}: Appears when the IP address is duplicated to another printer.

🖙: Appears when you cannot communicate with the printer.

>>>> Note

• If a printer you want to use is not detected, try to set the criteria for printer search.

Setting Criteria for Printer Search/Searching Specific Printer

• Right-clicking a printer displays setting items or items to confirm.

B: Serial Number (Last 5 Digits)

Displays the last five digits of printer's serial number.

C: Status

Displays the printer status as shown below.

Available

Indicates the printer is available.

Setup Completed

Appears after performing network setup and clicking Set to close the window.

Requires Setup

Indicates the printer is required to perform Wi-Fi setup.

Performing/Changing Wi-Fi Settings

Not Set

Indicates the printer cannot be used on network, or IPv6 is disabled. Specify an IP address or enable IPv6 on **Network Settings...**.

Performing/Changing Wi-Fi Settings

IP Address Overlap

Indicates the IP address is duplicated to another printer.

• Unknown

Indicates the printer recognized as Available in the past cannot be used currently.

Note

• If **USB** is selected from the pulldown menu on the toolbar, nothing is displayed.

D: IP Address

Displays the printer IP address. Nothing is displayed if the printer status is **Requires Setup**.

Note

• If **USB** is selected from the pulldown menu on the toolbar, "-" is displayed.

E: Location

Displays the printer location if it is registered. Nothing is displayed if the printer status is **Requires Setup**.

>>>> Note

• If **USB** is selected from the pulldown menu on the toolbar, nothing is displayed.

Assigning Printer Information

F: Connection Method

Displays printer connection method (wired LAN, Wi-Fi, or USB).

>>>> Note

- If **USB** is selected from the pulldown menu on the toolbar, **USB** is displayed.
- If the printer supports both of the LAN connection methods, the printer is recognized as two printers and they are displayed separately. (The same numbers are displayed on Serial Number (Last 5 Digits).)
- If the printer does not support wired LAN, wired LAN is not displayed.
- If you are using IJ Network Device Setup Utility on the computer which does not support Wi-Fi, Wi-Fi is not displayed.

G: Setting Method

Displays printer setting method.

• Auto

Appears if the printer is used by IP address specified automatically.

• Manual

Appears if the printer is used by IP address specified manually.

>>>> Note

• If USB is selected from the pulldown menu on the toolbar, "-" is displayed.

H: MAC Address

Displays the MAC address of the detected printer.

Note

• If USB is selected from the pulldown menu on the toolbar, "-" is displayed.

I: Device Name

Displays the printer device name if it is registered.

>>>> Note

- If USB is selected from the pulldown menu on the toolbar, nothing is displayed.
- The printer with **Requires Setup** displayed on **Status** is not displayed.

Assigning Printer Information

J: IPv6

On appears when an IPv6 address is assigned for the printer.

>>>> Note

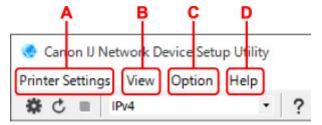
• If **USB** is selected from the pulldown menu on the toolbar, "-" is displayed.

K: Displays the printer status and operation guides.

Selecting a printer from the printer list displays its current status and what to do next.

Menus on Canon IJ Network Device Setup Utility Screen

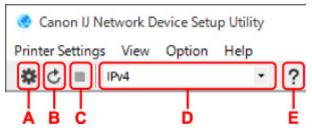
This section describes menus on Canon IJ Network Device Setup Utility screen.



- A: Printer Settings menu
 - Printer Settings Menu
- B: View menu
 - View Menu
- C: Option menu
 - Option Menu

Items on Canon IJ Network Device Setup Utility Screen Toolbar

This section describes items on Canon IJ Network Device Setup Utility Screen toolbar.



A: Perform wired or Wi-Fi setup.

>>>> Note

This item has the same function as <u>Network Settings...</u> in the Printer Settings menu.

B: Redetects printers.

Note

• This item has the same function as <u>Update</u> in the View menu.

C: Stops detecting printers.

>>>> Note

• This item has the same function as **Cancel** in the **View** menu.

D: Switches the printer list. (IPv4, IPv6, or USB printers)

>>>> Note

- This item has the same function as <u>Switch View</u> in the View menu.
- You can also display the USB connected printer list. (Not available for some models.) In this case, select **USB**.

E: Displays this guide.

>>>> Note

• This item has the same function as **Online Manual** in the **Help** menu.

Performing Network Settings

- Performing/Changing Wired LAN Connection (Ethernet Cable) Settings
- Performing/Changing Wi-Fi Settings
- Assigning Printer Information

Performing/Changing Wired LAN Connection (Ethernet Cable) Settings

Follow the procedure below to perform/change wired LAN settings.

>>>> Note

- For some models, you can perform network setup for a USB connected printer using IJ Network Device Setup Utility. Select **USB** on **Switch View** under the **View** menu to display printers for which you can perform setup.
- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select printer to perform/change settings from printer list.

Select the printer with **Wired LAN** displayed on **Connection Method** and **Available** displayed on **Status** to perform settings.

You can perform settings for a printer with Available not displayed on Status via USB connection.

To perform setup for a USB connected printer, select **USB** from the pulldown menu on the toolbar and select the printer to perform/change settings.

5. Select Network Settings... on Printer Settings menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

Note

- Clicking the ^{*} icon allows you to perform/change settings.
- If you select a USB connected printer on step 4, the screen below appears after the **Confirm Printer Password** screen appears

Connection	Method	×
Wree	d LAN	
OWHE		
1	ОК	Cancel

Select Wired LAN and click OK.

6. Enter password and click OK.

The Network Settings screen appears.

7. Perform/change settings.

You can switch the screen between IPv4 and IPv6. Click the tab to switch the protocol.

IPv4 settings

Use IPv4 address	`	
◉ Get IP address automatically) Use next IP address		
JP Address:	100 - 10 - 1 - 100	
Subnet Mask:	THE COMPLEX AND INCOME.	
Default gateway:	178 - 18 - 1 - 1 - 1	

A: Use IPv4 address

Always selected. (displayed in a gray out state)

B: Get IP address automatically

Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your router.

C: Use next IP address

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address, subnet mask, and default gateway.

IPv6 settings

>>>> Note

 If you select a USB connected printer on step 4, you cannot perform IPv6 settings depending on the printer you are using.

For details, see <u>List of Models Which Does Not Support IPv6 Configuration via USB</u> <u>Connection</u>.

Use JPv6 address		
Use Stateless Address:		
		\$
Use Manual Address:		
IPv6 Address:		
Prefix Length:	0	
Use DHCPv6:		
Stateful Address:		
Link-Local Address:	THE R. LOW CONTRACTOR	

A: Use IPv6 address

Select when you use the printer with IPv6 environment.

B: Use Stateless Address:

Select when you use an IP address assigned automatically. Use a router compatible with IPv6.

>>>> Note

• This setting item is not available depending on the printer you are using.

C: Use Manual Address:

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address and IP address prefix length.

>>>> Note

• This setting item is not available depending on the printer you are using.

D: Use DHCPv6:

Select when you obtain an IP address using DHCPv6.

Note

• This setting item is not available depending on the printer you are using.

8. Click Set.

Performing/Changing Wi-Fi Settings

Follow the procedure below to perform/change Wi-Fi settings.

Important

- Enable Easy wireless connect (Cableless setup) before performing printer setup. (Not required if you change the IP address.) For details, search for "NR049" on your printer's online manual and see the page shown.
- If you use a printer over the Wi-Fi, we highly recommend you perform security settings for Wi-Fi network using WPA/WPA2 from the viewpoint of security.

>>>> Note

- For some models, you can perform network setup for a USB connected printer using IJ Network Device Setup Utility. Select **USB** on **Switch View** under the **View** menu to display printers.
- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select printer to perform/change settings from printer list.

Select the printer with **Wi-Fi** displayed on **Connection Method** and **Available** or **Requires Setup** displayed on **Status** to perform settings.

You can perform settings for a printer with **Available** or **Requires Setup** not displayed on **Status** via USB connection.

To perform setup for a USB connected printer, select **USB** from the pulldown menu on the toolbar and select the printer to perform/change settings.

5. Select Network Settings... on Printer Settings menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

>>>> Note

- Clicking the 🏶 icon allows you to perform/change settings.
- If you select a USB connected printer on step 4 and the selected printer is compatible with wired LAN, the screen below appears after the **Confirm Printer Password** screen appears

Connection M	ethod	3
O Wred L	AN	
WI-Fi		
	ОК	Cancel

Select Wi-Fi and click OK.

6. Enter password and click OK.

The Network Settings screen appears.

7. Perform/change settings.

You can switch the screen between IPv4 and IPv6. Click the tab to switch the protocol.

IPv4/IPv6 settings

Direct Network Name (55ID):		Search)
Encryption Type:	at subject -		
4 IPv6			
Use IPv4 address			
Get IP address automatically			
Ouse next IP address			
1P Address:	THE PART OF A PARTY		
Subnet Mask:	100 000 000 00		
Default gateway:	10 - 10 - 1 - 1		

A: Network Type:

Select the Wi-Fi mode.

Infrastructure

Connects the printer to the Wi-Fi with a wireless router.

Direct

Connects the printer to wireless communication devices (smartphone or tablet) without a wireless router.

>>>> Note

- If Wi-Fi is enabled on the computer and if you select a USB connected printer on step 4, you can select **Direct** depending on the printer you are using.
- If **Direct** is selected, all items are displayed in a gray out status and you cannot perform any settings.

In addition, you cannot connect to Internet from your computer depending on your operating environment.

B: Network Name (SSID):

The network name (SSID) of the Wi-Fi currently used is displayed.

The network name (SSID) for Wireless Direct appears while in Wireless Direct.

C: Search...

The **Detected Wireless Routers** screen is displayed to select a wireless router to connect to. For a wireless router already connected to the computer, **Available** is displayed on **Communication Status**.

If you select a wireless router with **Not Connected** on **Communication Status** from the list, clicking **Set** displays the WPA/WPA2 or WEP setting screen for a wireless router.

If WEP Details Screen Appears

If WPA/WPA2 Details Screen Appears

D: Encryption Type:

Displays the encryption method used over the Wi-Fi.

IPv4 settings

>>>> Note

• The setting items below are available only when **Infrastructure** is selected for **Network Type:**.

If **Direct** is selected, all items are displayed in a gray out status and you cannot perform any settings.

work Type: Infrastructure			
Direct			
Network Name (55ID):	and an other states of the sta	Search	
Encryption Type:	an employed a		
4 IPv6			
Use IPv4 address			_
⑥ Get IP address automaticals)		-
⊖ Use next IP address			
1P Address:	THE STREET BOARD		
Subnet Mask:	100 000 000 00		_
Default gateway:	The life of the late		

A: Use IPv4 address

Always selected. (displayed in a gray out state)

B: Get IP address automatically

Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your wireless router.

C: Use next IP address

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address, subnet mask, and default gateway.

· IPv6 settings

>>>> Note

 If you select a USB connected printer on step 4, you cannot perform IPv6 settings depending on the printer you are using.

For details, see <u>List of Models Which Does Not Support IPv6 Configuration via USB</u> <u>Connection</u>.

• The setting items below are available only when **Infrastructure** is selected for **Network Type:**.

If **Direct** is selected, all items are displayed in a gray out status and you cannot perform any settings.

ork Type: Infrastructure Direct Network Name (SSID): Encryption Type: Pv6 Use IPv6 address: Use Stateless Address: Pv6 Address: Pv6 Address: Pv6 Address: Pv6 IV Use Manual Address: Pv6 Address: Pv6 IV Use DHCPv6:	
Direct Network Name (SSID): Encryption Type: IPv6 Use IPv6 address Use Stateless Address: Use Manual Address: Pv6 Address	
Network Name (SSID): Search Encryption Type: Search IPv6 Use IPv6 address Use Stateless Address: Use Manual Address: IPv6 Address: IPv6 Address: IPv6 Address: IPv6 Address: IPv6 IPv6 Address: IPv6 IPv6 Address: IPv6 IPv6 Address: IPv6 IPv6 IPv6 Address: IPv6 IPv6 IPv6 IPv6 IPv6 IPv6 IPv6 IPv6	
Use Stateless Address:	
Use IPv6 address:	
Use Stateless Address:	
Image: Constraint of the second se	
Image: Constraint of the second se	
Image: Constraint of the second se	
IPv6 Address: Prefix Length:	
Prefix Length:	
Plane La Alina	
Use DHCPv6:	
Stateful Address:	_
Link-Local Address:	

A: Use IPv6 address

Select when you use the printer with IPv6 environment.

B: Use Stateless Address:

Select when you use an IP address assigned automatically. Use a router compatible with IPv6.

>>>> Note

• This setting item is not available depending on the printer you are using.

C: Use Manual Address:

Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a fixed IP address.

Enter the IP address and IP address prefix length.

>>>> Note

• This setting item is not available depending on the printer you are using.

D: Use DHCPv6:

Select when you obtain an IP address using DHCPv6.

>>>> Note

• This setting item is not available depending on the printer you are using.

8. Click Set.

Assigning Printer Information

Follow the procedure below to assign/change printer location name or device name.

The names appear on **Device Name:** and **Location:** on the **Canon IJ Network Device Setup Utility** screen.

Note

- If USB is selected from the pulldown menu on the toolbar, this setting item is not available.
- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

- Select printer to assign location name and device name.
 Select the printer with Available displayed on Status.
- 5. Select Detailed Printer Settings... on Printer Settings menu.

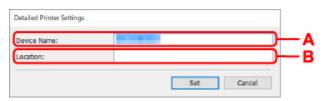
The **Confirm Printer Password** screen appears.

For more on the password, refer to Administrator Password.

6. Enter password and click OK.

The Detailed Printer Settings screen appears.

7. Perform/change settings.



The setting items below are available.

A: Device Name:

Assigns the device name.

B: Location:

Assigns the location name.

8. Click Set.

Initializing Network Settings

Follow the procedure below to initializing printer network settings.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- Select Printer Network Setup on the displayed screen.
 Detected printers are listed.
- Select printer to initialize settings.
 Select the printer with Available displayed on Status.
- 5. Select Reset LAN settings on Printer Settings menu.
 The Confirm Printer Password screen appears.
 For more on the password, refer to Administrator Password.
- 6. Enter password and click OK.
- 7. Click Yes on the displayed screen.
- 8. Click **OK** on the displayed screen.

The printer network settings are initialized.

Change Administrator Password

Follow the procedure below to change the administrator password.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- Select Printer Network Setup on the displayed screen.
 Detected printers are listed.
- Select printer to change password.
 Select the printer with Available displayed on Status.
- 5. Select Change Password... on Printer Settings menu.

The Change Printer Password screen appears.

For more on the password, refer to Administrator Password.

Change Printer Password	×
Old Password: New Password:	
Confirm:	
	OK Cancel

- 6. Enter current password and new password.
- 7. Enter new password in Confirm: again.
- 8. Click OK.

The administrator password is updated.

Setting Criteria for Printer Search/Searching Specific Printer

You can set the criteria for printer search when you start up IJ Network Device Setup Utility or update the printer search, or you can search the specific printer.

Changing these settings may detect the printer you want to use if it is not detected.

Note Note

- If the printer you want to use is not detected, it may be detected by entering IP address, subnet mask, or default gateway on the operation panel and search again.
- Setting Criteria for Printer Search
- Searching Specific Printer

Setting Criteria for Printer Search

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select Search Settings... on Option menu.

The Search Settings screen appears.

5. Enter criteria for printer search.

Search Time:	10 sec. (5-30) This value specifies the search processing time.	
Time out:	2 * sec. (1-9)	3
	This is the time-out value for not receiving a response from the printer after it has been detected.	

A: Search Time:

Specifies the time to search printers.

B: Time out:

Specifies the timeout length for not receiving a response from printer.



• Printers you want to find are more likely to be detected as the values are larger, however, it may take a while to search them.

6. Click Set.

Searching Specific Printer

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select Specified Searching... on Option menu.

The Specified Searching screen appears.

5. Select item to specify and enter value.

70. 4 A LL	in the list.	
IPv4 Address		
IPv6 Address		
Host Name		

A: IPv4 Address

Specifies the IPv4 address of the printer you want to search.

B: IPv6 Address

Specifies the IPv6 address of the printer you want to search.

C: Host Name

Specifies the host name of the printer you want to search.

6. Click Search.

IJ Network Device Setup Utility starts searching by the specified criteria and detected printers are listed.

If WEP Details Screen Appears

Enter the password (WEP key) according to wireless router's encryption method if you change a wireless router to connect to the printer.

1. Enter items below when WEP Details screen appears.

(ey Length:	64bit	v
ey Format:	ASCII	~
ey ID:	1	~

A: WEP Key:

Enter the same key as the one set to the wireless router.

The number of characters and character type that can be entered differ depending on the combination of the key length and key format.

		Key Length:	
		64bit	128bit
Key Format:	ASCII	5 characters	13 characters
	Hexadecimal (Hex)	10 digits	26 digits

B: Key Length:

Select either 64bit or 128bit.

C: Key Format:

Select either ASCII or Hex.

D: Key ID:

Select the Key ID (index) set to the wireless router.

2. Click Set.

Important

• If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure encryption types for the computer and the wireless router match that set to the printer.

If WPA/WPA2 Details Screen Appears

Enter the password according to wireless router's encryption method if you change a wireless router to connect to the printer.

1. Enter password when WPA/WPA2 Details screen appears.

Enter the password set to the wireless router. The password should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

If you do not know the wireless router password, refer to the instruction manual provided with the wireless router or contact its manufacturer.

WPA/WPA2 Details		:
Password:	I	
		Cancel

2. Click Set.

>>>> Important

• If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure encryption types for the computer and the wireless router match that set to the printer.

Checking Network Status

- Checking Wi-Fi Network Status
- Displaying Computer Network Information
- Displaying Printer Network Information
- > Checking Connection Status between Printer and Wireless Router
- Checking Network Setting Difference

Checking Wi-Fi Network Status

Follow the procedure below to check the wireless network status (signal strength) between the printer and computer.

If anything is wrong with the Wi-Fi connection, check the network status from this menu.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select printer to check wireless network status from printer list.

Select the printer with Available displayed on Status.

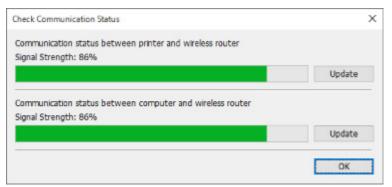
5. Select Check Wireless Communication Status on View menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

- 6. Enter password and click OK.
 - If the printer is connected to the computer with a wireless router:

The screen below appears.



• If the printer is connected to the computer using Wireless Direct:

The screen below appears.

	~
Communication status between computer and printer Signal Strength: 86%	
agne au chgun, oo a	Update

Clicking **Update** measures the signal strength again.

7. Click OK to close screen.

Displaying Computer Network Information

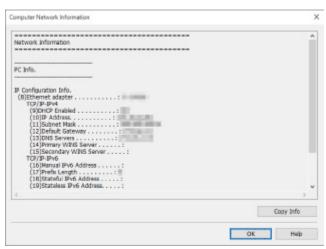
Follow the procedure below to display the network information of the computer which the printer selected in the **Canon IJ Network Device Setup Utility** screen connects to and on which IJ Network Device Setup Utility is installed.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select Computer Network Information on View menu.

The screen below appears.



Clicking Copy Info copies all network information on the clipboard.

5. Click OK to close screen.

Displaying Printer Network Information

Follow the procedure below to display the printer network information.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- Select Printer Network Setup on the displayed screen.
 Detected printers are listed.
- Select printer to display network information from printer list.
 Select the printer with Available displayed on Status.
- 5. Select Printer Network Information on View menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

6. Enter password and click OK.

The screen below appears.

rinter Network Information	
Network Information	^
Printer Info.	
(1)Printer	
Wireless LAN : <td:< td=""> : <td:< td=""> : <td:< td=""> <td:<< td=""><td></td></td:<<></td:<></td:<></td:<>	
TCP/IP-IPv4 (13)Mada	
(11)*****	3

Clicking Copy Info copies all network information on the clipboard.

7. Click OK to close screen.

Checking Connection Status between Printer and Wireless Router

Follow the procedure below to check the wireless router information detected by the printer.

Detects wireless routers around the printer and the detected ones are listed. Use this menu to make sure whether the printer is located properly.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

4. Select printer to check connection status between printer and wireless router from printer list.

Select the printer with Available displayed on Status and Wi-Fi displayed on Connection Method.

5. Select Connection Status of Printer and Wireless Router on View menu.

The Confirm Printer Password screen appears.

For more on the password, refer to Administrator Password.

6. Enter password and click OK.

The screen below appears.

Network Nam	Channel	Communicatio	Signal Strength	^
-	÷	and the second second		
1111		2 100	1	
-	÷	-		- 1
	r - 1	1000	1	

Clicking **Update** searches wireless routers again.

7. Click OK to close screen.

Checking Network Setting Difference

If you cannot use a printer you used on the network before, compare the current network status with that when you could use the printer and check the difference.

- 1. Start up IJ Network Device Setup Utility.
- 2. Check the displayed message and select Yes.
- 3. Select Printer Network Setup on the displayed screen.

Detected printers are listed.

- 4. Select printer with Unknown or Not Set displayed on Status from printer list.
- 5. Select Check Connection Status on View menu.

The screen below appears.

	Item	Status	Previous Network Status	Current Network Status
1	Protocol	Match		-
2	IPv4 Address	Match	100 Barrier 100	
3	Subnet Mask	Match	and the second second	the second second
4	Default Gateway	Match		
5	IPv6 Address	Match	and the strength of the	and the second second second
5	Connection Method	Match		and the second se
7	Network Name (SSID)	Match		
8	Wireless Router Standard	Match		
9	Wireless Router Bandwidth	Match		
10	Wireless Router Encryption Type	Match		
11	Wireless Router Channel	Match		
12	Wireless Router Signal Strength	Match		
13	WI-FI Type	Match		
14	Password for Wireless Router	Match		
	Item	Status	Previous Network Status	Current Network Status
	Item	Status	Previous Network Status	Current Network Status
1	Protocol	Mismatch		
	Protocol IPv4 Address	Mismatch Mismatch	Sec.	
2	IPv4 Address Subnet Mask		Zero.	
2 3 4	IPv4 Address Subnet Mask Default Gateway	Mismatch		
1 2 3 4 5	IPv4 Address Subnet Mask Default Gateway IPv6 Address	Mismatch Mismatch Mismatch Mismatch		
2 3 4 5 6	IPv4 Address Subnet Mask Default Gateway IPv6 Address Connection Method	Mismatch Mismatch Mismatch Mismatch Mismatch	2.2	
2 3 4 5 6 7	IPv4 Address Subnet Mask Default Gateway IPv6 Address Connection Mathod Network Name (SSID)	Mismatch Mismatch Mismatch Mismatch Mismatch Mismatch		
2 3 4 5 6 7 8	IIV4 Address Subnet Mask Defaut Gateway IIV6 Address Connection Mathed Network Name (SSID) Wireless Router Standard	Mismatch Mismatch Mismatch Mismatch Mismatch Mismatch Mistch Match	2.2	
2 3 4 5 6 7 8 9	IIV4 Address Subnet Mask Default Sateway IIV4 Address Connection Method Network Name (SSID) Wireless Router Standard Wireless Router Standard	Mismatch Mismatch Mismatch Mismatch Mismatch Mismatch Mistch Match Match		
2 3 4 5 6 7 8 9	IPv4 Address Subnet Mask Default Gatewoy IPv6 Address Connection Method Network Name (SSID) Wireless Router Standard Wireless Router Bandwith Wireless Router Encryption Type	Mismatch Mismatch Mismatch Mismatch Mismatch Mismatch Match Match Match Match		
2 3 4 5 6 7 8 9 10	IPv4 Address Subnet Maik Defaut Gateway IPv6 Address Connection Mathed Network Name (SSID) Wireless Router Standard Wireless Router Standard Wireless Router Encryption Type Wireless Router Channal	Mismatch Mismatch Mismatch Mismatch Mismatch Misch Mitch Mitch Mitch Mitch Mitch	200-man	
2 3 4 5 6 7 8 9 10 11 12	IDv4 Address Subnet Mask Default Sateway IDv6 Address Connection Mathod Network Name (SSID) Wireless Router Standard Wireless Router Standard Wireless Router Channel Wireless Router Channel	Mismatch Mismatch Mismatch Mismatch Mismatch Mistch Mistch Mistch Mistch Mistch Mistch Mistch		
2 3 4 5 6 7 8 9 10	IPv4 Address Subnet Maik Defaut Gateway IPv6 Address Connection Mathed Network Name (SSID) Wireless Router Standard Wireless Router Standard Wireless Router Encryption Type Wireless Router Channal	Mismatch Mismatch Mismatch Mismatch Mismatch Misch Mitch Mitch Mitch Mitch Mitch	200-man	

If the network status when you used the printer is different from the current status, **Mismatch** appears on **Status** and the items are displayed in red. Check the red items.

6. Click OK to close screen.

Performing Network Settings via USB Connection

When the **Check Connection Status** screen is displayed, you can perform printer network setup by connecting the printer and computer using a USB cable. Follow the procedure below.

1. Click Set up the network connection via USB.

Follow the displayed message to connect the printer to perform setup to the computer using a USB cable. Make sure the printer is turned on.

2. Click Yes on displayed screen.

The detected printers are listed.

3. Select printer to perform setup from the printer list.

nter Settings	work Device Setup Utility View Option Help								-	
E C III II iduct Name	N4 • ? Serial Number (Last 5 Digits)	Status	IP Address	Location	Connection M	Setting Method	MAC Address	Device Name	IPv6	
our comp	uter and printer can be	used on the	network.	asl menu						
our comp o check o	uter and printer can be r change the settings, so	used on the lect from th	network. 1e (Printer Settir	ngs] menu.						
our comp o check o	uter and printer can be r change the settings, so	used on the lect from th	network. 1e (Printer Settin	ngs] menu.						

Perform setup following the on-screen instructions.

IJ Network Device Setup Utility Menus

- Printer Settings Menu
- View Menu
- Option Menu
- ► Help Menu

Printer Settings Menu

This section describes the items displayed on the **Printer Settings** menu.



A: Network Settings...

Performs wired or Wi-Fi settings.

- Performing/Changing Wired LAN Connection (Ethernet Cable) Settings
- Performing/Changing Wi-Fi Settings

Note

 Right-clicking a printer on the Canon IJ Network Device Setup Utility screen also displays this item.

B: Detailed Printer Settings...

Assigns the printer device name and location name.

Assigning Printer Information

C: Reset LAN settings

Initializes the printer LAN settings.

Initializing Network Settings

D: Change Password...

Changes the password specified for the printer.

Change Administrator Password

E: Set up device by using web browser

Check the printer information or perform settings in detail on the web page.

>>>> Note

• You can use this function on the following the OS and the web browser.

OS: Windows 10/Windows 8.1/Windows 7 SP1 or later

Web browser: Internet Explorer 11 or later, Google Chrome, Mozilla Firefox

• Right-clicking a printer on the **Canon IJ Network Device Setup Utility** screen also displays this item

F: Exit

Finishes IJ Network Device Setup Utility.

View Menu

This section describes the items displayed on the **View** menu.

🧔 Canon IJ Netwo	ork Device Setup Utility	
Printer Settings V	iew Option Help	
\$C =	Check Connection Status	- A
Product Name	Check Wireless Communication Status	— в
a contract of the	Computer Network Information	— c
	Printer Network Information	— D
	Connection Status of Printer and Wireless Router	E
The second second	Switch View	F F
and the second second	Delete from List	
	Cancel	— н
	Update	֕

A: Check Connection Status

If you cannot use a printer you used on the network before, compare the current network status with that when you can use the printer and check the difference.

Checking Network Setting Difference

Note

 Right-clicking a printer on the Canon IJ Network Device Setup Utility screen also displays this item.

B: Check Wireless Communication Status

Check Wi-Fi communication status.

Checking Wi-Fi Network Status

>>>> Note

 Right-clicking a printer on the Canon IJ Network Device Setup Utility screen also displays this item.

C: Computer Network Information

Check the computer network information.

Displaying Computer Network Information

D: Printer Network Information

Check the printer network information.

Displaying Printer Network Information

E: Connection Status of Printer and Wireless Router

Searches wireless routers and check the wireless router information (wireless channel, communication status, and signal strength) detected by the printer.

Checking Connection Status between Printer and Wireless Router

F: Switch View

Switches the printer list between IPv4 printers and IPv6 printers. For some models, you can list USB connected printers.

>>>> Note

• Right-clicking a printer on the **Canon IJ Network Device Setup Utility** screen also displays this item.

G: Delete from List

Deletes the selected printer from the printer list temporarily.

Selecting **Update** will detect the deleted printer if it exists on the network.

H: Cancel

Cancels printer search.

>>>> Note

• You can also cancel printer search by clicking the 💻 icon.

I: Update

Searches printers again.

Note

• You can also search printers again by clicking the C icon.

Option Menu

This section describes the items displayed on the **Option** menu.

😍 Canon IJ Netv	vork De	evice Setu	p Utility	6
Printer Settings	View	Option	Help	
\$ C = P	v 4	Sea	arch Settings	- 4
Product Name	Seria	Spe	ecified Searching	⊢в

A: Search Settings...

Specifies criteria for printer search.

Setting Criteria for Printer Search

B: Specified Searching...

Searches the printer by an IP address or host name.

Searching Specific Printer

Help Menu

i.

This section describes the items displayed on the Help menu.

🔮 Canon IJ Net	work Device Setu	p Utility	
Printer Settings	View Option	Help	
* C = IF	₩4	Online Manual	
Product Name	Serial Number	Cautions for Wi-Fi Connection Changing Wired LAN/Wi-Fi Connections	
		About	— ŏ

A: Online Manual

Displays this guide.

B: Cautions for Wi-Fi Connection

Displays the caution message for Wi-Fi connection.

C: Changing Wired LAN/Wi-Fi Connections

Displays the message on changing LAN connection method (wired or wireless) for the selected printer.

>>>> Note

• This item is displayed in a gray out status if **USB** is selected from the pulldown menu on the toolbar.

D: About

Displays IJ Network Device Setup Utility version information.

List of Models Which Does Not Support Diagnosis and Repair Function

The following models does not support "Diagnose and Repair" function of IJ Network Device Setup Utility.

- · G4000 series
- PRO-500 series
- PRO-1000 series
- MB2100 series
- MB2700 series
- MB5100 series
- MB5400 series
- iB4000 series
- PRO-520
- PRO-540
- PRO-540S
- PRO-560
- PRO-560S
- PRO-2000
- PRO-4000
- PRO-4000S
- PRO-6000
- PRO-6000S
- TS9000 series
- TS8000 series
- TS6000 series
- TS5000 series
- MG3000 series
- E470 series

List of Models Which Does Not Support IPv6 Configuration via USB Connection

For the following models, you can perform settings only for IPv4 using IJ Network Device Setup Utility. (You cannot perform settings for IPv6.)

- iB4100 series
- MG3000 series
- E470 series
- G4000 series
- TS5000 series
- TS6000 series
- TS8000 series
- TS9000 series
- TR8500 series
- TR7500 series
- TS9100 series
- TS8100 series
- TS6100 series
- TS5100 series
- TS3100 series
- E3100 series
- TS300 series
- · E300 series
- TR8580 series
- TS9180 series
- TS8180 series
- TS6180 series
- TR8530 series
- TR7530 series
- TS8130 series
- TS6130 series
- XK70 series
- XK50 series
- G4010 series
- G3010 series
- TR4500 series
- E4200 series
- TS6200 series
- TS6280 series
- TS6230 series
- TS8200 series
- XK80 series
- TS8280 series
- TS8230 series
- TS9500 series
- TS9580 series

• TR9530 series

Other Network Information

- Technical Terms
- Restrictions
- Firewall
- ▶ List of Devices Which May Interfere with Wi-Fi Communication

Technical Terms

In this section, technical terms used in the manual are explained.

B F M P R **S** W

Α

• Ad-hoc

Client computer and printer setting where wireless communication occurs on a peer-to-peer basis, i.e., all clients in with the same network name (SSID) communicate directly with each other. No wireless router is required. This printer does not support ad-hoc communication.

Admin Password

Administrator password in IJ Network Device Setup Utility to restrict access to network users. It must be entered to access the printer and change printer settings.

• AES

An encryption method. It is optional for WPA. Strong cryptographic algorithm adopted within U.S. government organizations for information processing.

Authentication Method

The method that a wireless router uses to authenticate a printer through a Wi-Fi. The methods are agreeable each other.

For WPA/WPA2, authentication method is PSK.

В

• Bonjour

A service to detect the connectable devices on a network automatically.

С

Channel

Frequency channel for wireless communication. In the infrastructure mode, the channel is automatically adjusted to match that set to the wireless router. This printer supports channels 1 to 13. (Channels 12 and 13 are not supported depending on the country or region of purchase.) Note that the number of channels that can be used for your Wi-Fi varies depending on the region or country.

D

Default Gateway

A relay device to connect to another network such as a router or a computer.

Default router address

A default IP address set for a router.

DHCP server functionality

The router assigns an IP address automatically whenever the printer or the personal computer on a network starts up.

• DHCPv6

A protocol to assign necessary information automatically when a computer connects to network. DHCPv6 can be used when IPv6 is enabled.

DNS server

A server that converts device names into IP addresses. When specifying IP addresses manually, specify the addresses of both a primary and a secondary server.

Ε

• Easy wireless connect (Cableless setup)

Specifies a wireless router settings using a device (e.g. smartphone) directly without using a wireless router.

F

Firewall

It is a system that prevents an unlawful computer access in the network. To prevent, you can use the firewall function of a broadband router, the security software installed in the computer, or operation system for computer.

Н

Host name

A name for a computer or printer on network so that it can be recognized easily. Single-byte alphanumeric characters are used generally.

I

• IEEE802.11b

International standard for Wi-Fi using the 2.4 GHz frequency range with a throughput of up to 11 Mbps.

• IEEE802.11g

International standard for Wi-Fi using the 2.4 GHz frequency range with a throughput of up to 54 Mbps. Compatible with 802.11b.

• IEEE802.11n

International standard for Wi-Fi using the 2.4 GHz and 5 GHz frequency ranges. Even when using two or more antennas simultaneously or obtaining a bigger transfer rate than before by using multiple communication channels at the same time, the transmission speed may be influenced by the connected apparatus.

At the maximum transfer rate of 600 Mbps, it is possible to communicate with multiple computer terminals within a dozen or so metre radius.

Compatible with 802.11b and 802.11g.

Infrastructure

One of the wireless communication methods. Wireless communication devices (e.g. computer or printer) are connected to the network via a wireless router.

IP Address

A unique number with four parts separated by dots. Every network device that is connected to the Internet has an IP address. Example: 192.168.0.1

An IP address is usually assigned by a wireless router or a DHCP server of the router automatically.

• IPv4/IPv6

They are internetwork-layer protocol used on the internet. IPv4 uses 32-bit addresses and IPv6 uses 128-bit addresses.

Κ

Key Format

Select either **ASCII** or **Hex** as the WEP key format. The character that can be used for the WEP key differs depending on the selected key formats.

• ASCII

Specify with a 5 or 13-character string that can include alphanumeric and underscore "_" characters. It is case-sensitive.

• Hex

Specify a 10-digit or 26-digit string that can contain hexadecimal (0 to 9, A to F, and a to f).

Key Length

Length of the WEP key. Select either 64 bits or 128 bits. Longer key length allows you to set a more complex WEP key.

L

Link local address

An IP address generated automatically from a specific prefix (information of current network: fe80::) and an interface identifier generated from printer's MAC address.

Link Quality

The status of the connection between the wireless router and the printer excluding noise (interference) is indicated with a value from 0 to 100%.

• LPR

A platform-independent printing protocol used in TCP/IP networks. It does not support bidirectional communication.

Μ

MAC Address

Also known as the physical address. A unique and permanent hardware identifier that is assigned to network devices by its manufacturer. MAC addresses are 48 bits long and are written as a hexadecimal number separated by colons, i.e., 11:22:33:44:55:66.

0

Operation Status

Indicates the status on whether the printer can be used.

Prefix length

Ρ

The number of bits on the network part of an IP address. The number of bits is 8 bit to 24 bit for IPv4, and 64 bit for IPv6.

Proxy server

A server that links a LAN-connected computer to the Internet. When using a proxy server, specify the address and the port number of the proxy server.

• PSK

An encryption method employed by WPA/WPA2.

R

Router

A relay device to connect to another network.

S

Signal Strength

The strength of the signal received by the printer from the wireless router is indicated with a value from 0 to 100%.

Network name (SSID)

Unique label for Wi-Fi. It is often represented such as a network name or a wireless router name.

network name (SSID) distinguishes one Wi-Fi from another to prevent interference.

The printer and all clients on a Wi-Fi must use the same network name (SSID) in order to communicate with each other. The network name (SSID) can be up to 32 characters long, and is made up of alphanumeric characters. The network name (SSID) may also be referred to by its network name.

Stealth

In the stealth mode, a wireless router hides itself by not broadcasting its network name (SSID). The client must specify the network name (SSID) set to the wireless router to detect it.

Stateful address

An IPv6 address acquired from a DHCP server using DHCPv6.

Stateless address

A tentative IPv6 address generated automatically using a prefix included in RA (Router Advertisement) and a MAC address. An IPv6 address is generated in an environment where a DHCP server is not available.

Subnet Mask

IP address has two components, the network address and the host address. Subnet Mask used to calculate the Subnet Mask address from the IP address. A Subnet Mask is usually assigned by a wireless router or a DHCP server of the router automatically.

Example:

IP Address: 192.168.127.123 Subnet Mask: 255.255.255.0 Subnet Mask Address: 192.168.127.0

Т

• TCP/IP

Suite of communications protocols used to connect hosts on the Internet or the LAN. This protocol allows different terminals to communicate with each other.

• TKIP

An encryption protocol employed by WPA/WPA2.

U

• USB

Serial interface designed to enable you to "hot-swap" devices, i.e., by plugging and unplugging them without turning off the power.

W

• WCN (Windows Connect Now)

Users running Windows Vista or later can obtain the setting information directly via wireless network (WCN-NET).

• WEP/WEP Key

An encryption method employed by IEEE 802.11. Shared security key used to encrypt and decrypt data sent over wireless networks. This printer supports key length of 64 bits or 128 bits, key format of ASCII code or Hexadecimal, and key number of 1 to 4.

• Wi-Fi

International association that certifies interoperability of Wi-Fi products based on the IEEE 802.11 specification.

This printer is a Wi-Fi authorized product.

Wireless Direct

The printer is used as a wireless router to connect external wireless communication devices (e.g. computers, smartphones, or tablets) in an environment where no wireless router is available. You can connect up to 5 devices to the printer using Wireless Direct.

• Wireless LAN

A network that, instead of being connected by physical wires, is connected by a wireless technology, such as Wi-Fi.

Wireless Router

A wireless transceiver or base station that receives information from wireless clients/the printer and rebroadcasts it. Required in an infrastructure network.

• WPA

Security framework announced by the Wi-Fi Alliance in October 2002. The security has been strengthened more than WEP.

Authentication

WPA defines the following authentication methods: PSK that can be used without an authentication server, plus WPA-802.1x that do require an authentication server.

This printer supports WPA-PSK.

· Passphrase

This encrypted key is used to perform WPA-PSK authentication.

The password should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

• WPA2

Security framework released by the Wi-Fi Alliance in September 2004 as a later version of WPA. Provides a stronger encryption mechanism through Advanced Encryption Standard (AES).

• Authentication

WPA2 defines the following authentication methods: PSK that can be used without an authentication server, plus WPA2-802.1x that do require an authentication server.

This printer supports WPA2-PSK.

• Passphrase

This encrypted key is used to perform WPA2-PSK authentication.

The password should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

• WPS (Wi-Fi Protected Setup)

WPS is a standard for easy and secure establishment of a wireless network.

There are 2 primary methods used in the Wi-Fi Protected Setup:

PIN entry: a mandatory method of setup for all WPS certified devices

Push button configuration (PBC): an actual push button on the hardware or through a simulated push button in the software.

Restrictions

If you use a printer over the Wi-Fi, we highly recommend you perform security settings for Wi-Fi network using WPA/WPA2 from the viewpoint of security. Wireless communication with a product that does not comply with the Wi-Fi standard cannot be guaranteed.

Connecting with too many computers may affect the printer performance, such as printing speed.

If you use a printer with Wireless Direct, you cannot perform the following settings:

- Specifying an IP address manually
- Enabling/disabling IPv6

Firewall

A firewall is a function of the security software installed in the computer or operation system for computer, and is a system that is designed to prevent unauthorized access to a network.

Precautions When Firewall Function is Enabled

- A firewall function may limit communications between a printer and a computer. This may disable printer setup and communications.
- During the printer setup, you may be prompted to enable or disable communications, depending on the firewall function of the security software or operation system. If so, choose to enable communications.
- When using IJ Network Device Setup Utility, you may be prompted to enable or disable communications, depending on the firewall function of the security software. If so, choose to enable communications.
- If you cannot set up the printer, temporarily disable the firewall function of the security software or operation system.

Important

• If you disabled the firewall function, disconnect your network from the Internet.

- Some applications (like the network configuration software) override firewall settings. Check the application's settings beforehand.
- If the printer you use is set to **Get IP address automatically**, the IP address changes every time the printer connects to the network. This may disable printer setup and communications, depending on the firewall settings. In this case, either change the firewall settings or assign a fixed IP address to the printer. An IP address can be set using IJ Network Device Setup Utility.
 - Performing/Changing Wired LAN Connection (Ethernet Cable) Settings
 - Performing/Changing Wi-Fi Settings

When assigning a fixed IP address to the printer, you will need to specify an IP address with which the computer can communicate.

Note

• For the operation system firewall settings or the security software firewall settings, refer to the instruction manual of the computer or software, or contact its manufacturer.

List of Devices Which May Interfere with Wi-Fi Communication

While using the printer via Wi-Fi, the following devices near the printer or wireless router may cause radio frequency interference and affects connection between the printer and wireless router. Radio frequency interference may cause sending print jobs or printing speed to slow down.

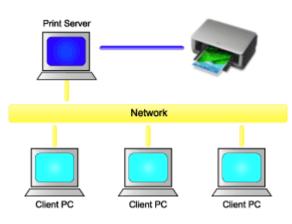
- · Microwave oven
- · Baby monitor
- Wireless mouse
- · Wireless keyboard
- Wireless earphone/headphones
- Wireless camera (e.g. security camera)

We recommend you take measures below to avoid radio frequency interference.

- Place the devices above as far away from the printer or wireless router as possible.
- Turn the devices off and stop using them temporarily.

Sharing the Printer on a Network (Windows)

When computers are used in a network environment, documents can be printed from multiple computers that share a single printer.



• Setting Up a Shared Printer

This section describes how to set up the print server and the client.

>>>> Note

• The Windows versions of the computers connected to the network do not necessarily have to be the same.

Related Topic

Restrictions on Printer Sharing

Setting Up a Shared Printer

On the print server, set up sharing of the printer driver. Then from the client, set up the connection to the print server.

- 1. Install the printer driver on the print server system
- 2. Display the Devices and Printers window

Select the **Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers**. The **Devices and Printers** window is displayed.

3. Click the icon for the model name of printer to be shared

Press the Alt key, and from the displayed File menu, select Printer properties -> Sharing tab.

Important

 When starting up the software and performing install or uninstall, a confirmation or warning dialog box may appear.

This dialog box appears when administrative rights are required to perform a task. When you are logged on to an administrator account, click **Yes** (or **Continue**, **Allow**) to continue. Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.

4. Set sharing

On the **Sharing** tab, check (or select) **Share this printer**, set the shared name as necessary, and then click **OK**.

- **5.** If the print server and the client have different architectures (32 bit or 64 bit), install an additional driver
 - 1. Display the Devices and Printers, Printers, or Printers and Faxes window.
 - 2. Select the printer icon, click Print server properties, and select the Drivers tab.
 - 3. Click Add....
 - 4. When the Add Printer Driver Wizard window is displayed, click Next.
 - 5. If the print server has a 32-bit architecture, select **x64**. If the print server has a 64-bit architecture, select **x86**. Then click **Next**.
 - 6. Click Have Disk
 - **7.** In the **Install From Disk** window, open the "Driver" folder of the downloaded printer driver, specify the "inf" file, and click **OK**.

>>>> Note

• If the printer server is 32-bit, specify it as "xxxxxx3.INF". If it is 64-bit, specify it as "xxxxxx6.INF".

8. Select the printer to be used, and click Next.

Note

• If an error message is displayed, select the other printer.

9. Click Finish

The setup on the print server system is complete. Next, set up the client systems.

6. On the client, open Explorer, and double-click the icon of the printer to be shared

7. Follow the window instructions, and install the printer driver

The setup on the client system is complete.

Even when you perform the setup on a different client, follow the same steps 6 and 7.

Restrictions on Printer Sharing

These are restrictions that apply when you are using a printer in a network environment. Check the restrictions for the environment you are using.

Restriction on setting up printer sharing

- If "ntprint.inf" is requested when you install the driver from Add Printer, specify the file as follows:
 - Start Explorer on the print server and on the client with the different architecture, paste the following path in the address bar, and press Enter on the keyboard: %windir%\system32\driverstore\
 - 2. Right-click the FileRepository folder, and click Properties.
 - 3. On the Sharing tab, click Share.
 - 4. In the message window displayed on the print server, specify "ntprint.inf_xxxxxxxx" in the folder that was shared in step 3, and click **OK**.

If there are multiples copies, select the file with the latest update date and time.

Restrictions on sharing and using a printer

- A print completion message may be displayed. To disable the message display, follow the procedure below.
 - 1. In the **Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers** window of the client system, select the printer, and click **Print server properties** on the command bar.
 - 2. Uncheck **Show informational notifications for network printers** on the **Advanced** tab, and then restart the computer.
- The bi-directional communication function is disabled and the correct printer status may not be recognized.

If a client user opens the printer driver properties and then clicks **OK** with the **Enable bidirectional support** check box cleared on the **Ports** tab, the bidirectional communication function of the print server may also be disabled.

In this case, check **Enable bidirectional support** check box on both the print server system and the client system.

- When you print from a client system, the following functions cannot be used.
 - The Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab
 - The Canon imagePROGRAF Preview feature
- When the functions on the **Device Settings** tab cannot be set properly from a client system, they may
 be grayed out. In this case, change the settings from the print server.
 When you change the settings of the print server, you should delete the icon of the shared printer
 from the client system, and then specify the shared settings again in the client system.
- If the same driver installed on the print server is also installed on the client, the network printer icon may be created automatically.
- If an error occurs when you print a document on a shared printer from a client, the error message of the Canon IJ status monitor is displayed on both the client and the print server. If a document is printed out normally, the Canon IJ status monitor is displayed only on the client.

Connecting Smartphone/Tablet to Printer via Wi-Fi

- To connect a smartphone or tablet to printer via a wireless router:
 - Connecting Smartphone/Tablet to Printer via Wireless Router



• To connect a smartphone or tablet to printer without a wireless router:

Connecting Smartphone/Tablet to Printer Directly (Wireless Direct)



Connecting Smartphone/Tablet to Printer via Wireless Router

You can connect devices (e.g. smartphone, or tablet) to the printer by two methods below.

- Wi-Fi connection (connecting devices via a wireless router)
- Wireless Direct connection (connecting devices without using a wireless router)

This section describes Wi-Fi connection via a wireless router.

Follow the procedure below to connect via a wireless router.

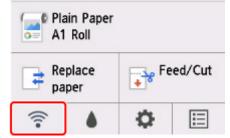
- 1. Confirm the Printer's Wi-Fi Connection is Enabled
- 2. Connect Smartphones and Tablets to the Printer

>>>> Important

- · Check the usage restrictions and change the printer LAN setting.
 - Restrictions
- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

Confirm the Printer's Wi-Fi Connection is Enabled

Ready to print



If a different network icon is displayed on the HOME screen, follow the procedure below to enable Wi-Fi connection.

1. On the HOME screen, tap the Network icon.

Menu Operations

- 2. Tap Wi-Fi.
- 3. Tap Settings.
- 4. Tap Enable/disable Wi-Fi.
- 5. Tap Enable.

The printer's Wi-Fi is enabled and you can connect the Wi-Fi you connected previously.

Connect Smartphones and Tablets to the Printer

- For Android device
- For iOS device

For Android device

- **1.** Open "Settings" menu on your device.
- 2. Enable "Wi-Fi".
- 3. Select wireless router SSID you use from detected device list.



- **4.** Enter wireless LAN router password. Your device is connected to the printer.
- **5.** Start printing from application.

For iOS device

- 1. Open "Settings" menu on your device.
- 2. Enable "Wi-Fi".
- 3. Select wireless router SSID you use from detected device list.



4. Enter wireless LAN router password.

Your device is connected to the printer.

5. Start printing from application.

Adjustments for Better Print Quality

Adjusting the Print Head

- Adjusting the Print Head
- Troubleshooting Paper Abrasion and Blurry Images

Adjusting Feed Amount

- Adjusting Feed Amount
- Adjusting Vacuum Strength

Adjusting the Print Head

- Adjusting the Print Head
- Troubleshooting Paper Abrasion and Blurry Images

Adjusting the Print Head

If printed documents are affected by the following problems, try adjusting the print head.

· If printing is faint or affected by banding in different colors

Execute Nozzle Check in the touch screen menu to check for print head nozzle clogging.

Checking for Nozzle Clogging

• If printed lines are misaligned, vertical lines are warped, or colors are out of alignment

If printed lines are misaligned, execute **Print head angle adjustment** in the touch screen menu to adjust the print head angle.

Always adjust the print head angle after replacing the print head.

After executing **Print head angle adjustment**, adjust the print head position.

Adjusting Line Misalignment

If printed vertical lines are warped or colors are out of alignment, execute **Print head alignment** in the touch screen menu to adjust the print head position.

First, execute **Auto (standard)** of **Print head alignment**. If the print result is not improved, execute **Auto (advanced)** or **Manual**.

Automatic Adjustment to Straighten Lines and Colors

- Manual Adjustment to Straighten Lines and Colors
- · If paper rubs against the print head, or image edges are blurred

Setting **Paper Thickness (Head Height)** in the touch screen menu and changing the height of the print head may improve the situation.

■ Troubleshooting Paper Abrasion and Blurry Images

Adjusting Line Misalignment

If printed lines are misaligned, execute **Print head angle adjustment** to adjust the print head angle. **Print head angle adjustment** requires you to examine a printed test pattern and adjust the angle using the angle adjustment lever.

Always adjust the print head angle after replacing the print head.

Important

- Because the results of adjustment vary depending on the type of paper used for adjustment, use the same type of paper as you will use for printing.
- When using cut sheets, do not move the release lever until instructions (guidance) for removing the paper are displayed.

Moving the release lever during printing or maintenance operations will cause the printer to stop.

Paper to Prepare

When using rolls

An unused roll at least 10.00 in. (254.0 mm) wide

When using sheets

One sheet of unused paper of at least A4/Letter size

Perform adjustment as follows.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer

Important

• Always make sure the loaded paper matches the type of paper specified on the printer. Adjustment cannot be completed correctly unless the loaded paper matches the settings.

2. Tap (Setup) > **Maintenance** on HOME screen.

Touch Screen

The Maintenance screen appears.

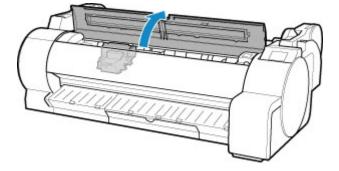
3. Tap Print head angle adjustment.

A confirmation message appears.

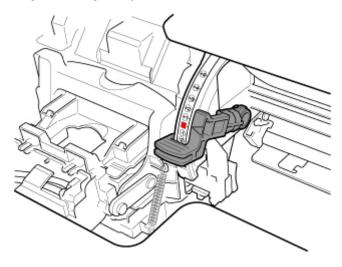
4. Tap Yes.

The carriage moves and the guidance for the print head angle adjustment procedure appears on the touch screen.

5. Open the top cover.



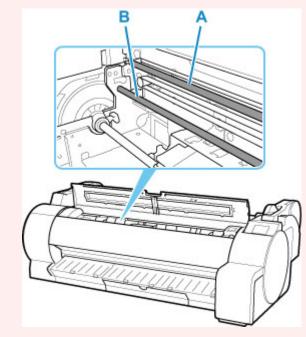
6. Align the angle adjustment lever with the red square and close the top cover.



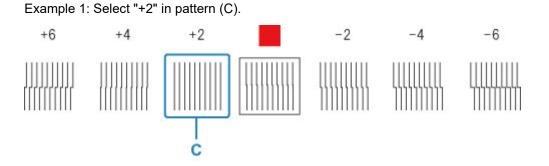
A test pattern is printed for adjustment.

>>>> Important

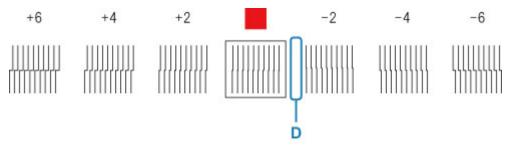
• Do not touch the linear scale (A) or carriage shaft (B). Touching these may cause malfunction.



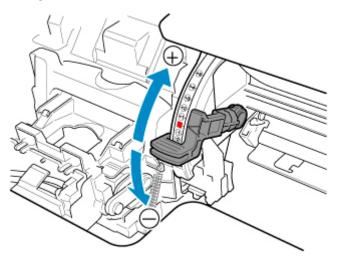
7. Examine the test pattern for adjustment. Determine the straightest set of lines.



Example 2: Move the angle adjustment lever to a position between the numbers or between the number and the square (D) of the two sets of lines that are least misaligned. In this case, select -1.

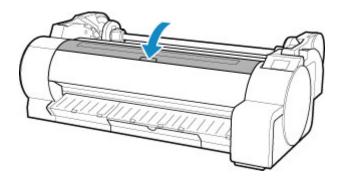


8. Open top cover and move angle adjustment lever to match number (or square) of straightest set of lines.



9. Close the top cover.

The print head is now straight, and adjustment is complete.



>>>> Note

If the problem, such as misaligned lines or color unevenness, is not solved after adjustment, execute
 Print head angle adjustment and move the angle adjustment lever in the front or the rear of the last position. When finished, execute Print head alignment again.

Automatic Adjustment to Straighten Lines and Colors

If printed vertical lines are warped or colors are out of alignment, execute **Print head alignment** and adjust the print head position.

Choose from Auto (standard) or Auto (advanced) for automatically adjusting the print head.

Minor warping and misaligned colors can usually be improved by executing **Auto (standard)**. If there is no improvement, perform **Auto (advanced)** or **Manual**.

Manual Adjustment to Straighten Lines and Colors

When you execute **Auto (standard)** or **Auto (advanced)**, the adjustment pattern is printed, and the print head position is adjusted based on the printing result automatically.



>>>> Important

• If the problem, such as misaligned lines, is conspicuous, or other problem, such as color unevenness, is not solved after executing **Print head alignment**, execute **Print head angle adjustment** and then execute **Print head alignment** again.

Adjusting Line Misalignment

- Because the results of adjustment vary depending on the type of paper used for adjustment, use the same type of paper as you will use for printing.
- This function is not available with Tracing Paper, Translucent Matte Film, or Clear Film.
- When using cut sheets, do not move the release lever until instructions (guidance) for removing the paper are displayed.

Moving the release lever during printing or maintenance operations will cause the printer to stop.

>>>> Note

- After print head replacement, we recommend excuting **Print head alignment**. When **Print pattern after new head** is set to **ON**, print head position adjustment is automatically executed after print head replacement.
- To change the paper type or for more beautiful color borders, perform Auto (standard).
- To ensure clear quality and when replacing the print head, perform **Auto (advanced)** to fine-tune the position between nozzles and colors. To ensure high-quality printing, we recommend that you execute **Auto (advanced)**.
- If adjustment is not possible as expected using special paper, try another type of paper or try **Manual** adjustment.

Manual Adjustment to Straighten Lines and Colors

Paper to Prepare

When using rolls

An unused roll at least 10.00 in. (254.0 mm) wide

When using sheets

Auto (standard): Three sheets of unused paper, A4/Letter size or larger (or one sheet when using A2 or larger)

Auto (advanced): Five sheets of unused paper, A4/Letter size or larger (or one sheet when using A2 or larger)

Perform adjustment as follows.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer

Important

- Always make sure the loaded paper matches the type of paper specified on the printer. Adjustment cannot be completed correctly unless the loaded paper matches the settings.
- **2.** Tap (Setup) > **Maintenance** on HOME screen.

Touch Screen

The Maintenance screen appears.

- 3. Tap Print head alignment.
- 4. Tap Auto (standard) or Auto (advanced).

A confirmation message appears.

5. Tap Yes.

The paper source setting screen appears.

6. Tap Roll paper or Manual.

A test pattern is printed for adjustment.

Note

• If you are printing on sheets smaller than A2 size, a confirmation message prompting you to continue printing appears on the touch screen. Tap **OK** and follow the instructions on the touch screen.

Manual Adjustment to Straighten Lines and Colors

If printed vertical lines are warped or colors are out of alignment, execute **Print head alignment** and adjust the print head position.

Normally, execute Auto (standard).

Automatic Adjustment to Straighten Lines and Colors

However, when printing on special paper or if printing is not improved after Auto (advanced), try Manual.

Manual adjustment requires you to examine the printed test pattern and enter an adjustment value.



Important

- Because the results of adjustment vary depending on the type of paper used for adjustment, use the same type of paper as you will use for printing.
- When using cut sheets, do not move the release lever until instructions (guidance) for removing the paper are displayed.

Moving the release lever during printing or maintenance operations will cause the printer to stop.

Paper to Prepare

When using rolls

An unused roll at least 10.00 in. (254.0 mm) wide

When using sheets

Four sheets of unused paper, A4/Letter size or larger (or two sheets when using A2 or larger)

Perform adjustment as follows.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer

Important

- Always make sure the loaded paper matches the type of paper specified on the printer. Adjustment cannot be completed correctly unless the loaded paper matches the settings.
- 2. Tap (Setup) > Maintenance on HOME screen.

Touch Screen

The Maintenance screen appears.

3. Tap Print head alignment.

4. Tap Manual.

A confirmation message appears.

>>>> Note

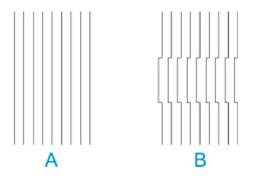
- If you do not execute **Auto (advanced)**, a confirmation message prompting you to execute **Auto (advanced)** appears. In this case, tap **Yes** and execute **Auto (advanced)**.
- 5. Tap Yes.

The paper source setting screen appears.

6. Tap Roll paper or Manual.

A test pattern is printed for adjustment.

- 7. Tap D-1.
- 8. Examine adjustment test pattern D-1 and determine the number with straight lines.



- A: Example with straight lines
- B: Example with misaligned lines



- If two patterns seem equally good and you cannot decide which one is better, choose an intermediate value. For example, choose 11 if you cannot decide whether pattern 10 or 12 is better.
- 9. Repeat steps 7–8 to specify adjustment value for D-2 to D-41.

Note that D-6, D-12, D-18, D-24, D-30, and D-36 cannot be configured.

10. Tap OK.

The adjustment value is now registered, and adjustment is complete.

Troubleshooting Paper Abrasion and Blurry Images

The print head height setting affects printing quality.

Specifying a low print head height makes images clearer and enhances printing quality but may cause paper to rub against the print head.

On the other hand, specifying a high print head height will prevent paper from rubbing against the print head but may reduce the printing quality.

>>>> Important

• Paper rubbing against or becoming caught on the print head may jam or result in printed documents that are soiled.

>>>> Note

- Raise or lower print head, depending on nature of the problem.
 - Paper rubs against the Print Head
 - The edges of the paper are dirty
 - Image edges are blurred or white banding occurs
- 1. Tap paper setting display area on HOME screen.

Touch Screen

Ready to print

	ain Paper 3 Roll	8	
	place per	Fe	ed/Cut
((:-	٨	0	E

The Paper menu screen appears.

2. Tap Paper settings.

The Paper settings screen appears.

3. Tap Advanced.

The Advanced paper settings screen appears.

4. Tap Paper Thickness (Head Height).

5. Drag slider to set paper thickness (head height) and tap OK.



• When **Auto** is set to **ON**, before printing, the printer automatically adjusts the print head height to the level optimal for the ambient temperature and humidity. You can check the setting for the previous print job in **Values applied with auto settings**.

Printer information

- When Auto is set to OFF, the setting selected during this procedure is applied.
- Depending on the type of paper, some setting values may not be available.

Adjusting Feed Amount

- Adjusting Feed Amount
- Adjusting Vacuum Strength

Adjusting Feed Amount

- Selecting Feed Amount Adjustment Method
- Automatic Banding Adjustment
- Manual Banding Adjustment
- Fine-Tuning Paper Feed Amount
- Adjusting Line Length

Selecting Feed Amount Adjustment Method

There are two methods of adjusting the paper feed amount, **Prioritize print quality** and **Prioritize length accuracy**, either of which will be applied during printing.

Since the method that is applied during printing is determined from the value of the **Set priority** setting, configure **Set priority** to match the print target.

Follow the procedure below to perform settings.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer
- 2. On the HOME screen, tap

Menu Operations

(Setup).

Ο

- 3. Tap Maintenance.
- 4. Tap Paper feed adjustment.
- 5. Tap Set priority.
- 6. Tap paper to adjust.
- 7. Tap setting.

Auto

Prioritize print quality or **Prioritize length accuracy** is selected, depending on the setting as selected in the printer driver at the time of printing.

Prioritize print quality

Adjusts the feed amount to reduce banding across the sheet in printed documents. Adjust print quality settings are applied. When Paper feed fine adjustment is executed, the Paper feed fine adjustment settings are applied in addition to the Adjust print quality settings.

Prioritize length accuracy

Adjusts the feed amount for better accuracy of lines in printed documents. The value of **Change** adjustment values in **Adjust feed length** is applied.

8. Tap OK.

Automatic Banding Adjustment

If printed images are affected by banding in different colors across the sheet, execute **Adjust print quality** for automatic adjustment of the paper feed amount.

The printer prints and reads a test pattern for automatic adjustment of the feed amount.

>>>> Important

· When using highly transparent media, use manual adjustment.

Manual Banding Adjustment

Note

- We recommend executing the adjustment if you have changed the paper type or paper size.
- Always check the Set priority values.

Selecting Feed Amount Adjustment Method

• If additional fine-tuning is necessary, execute Paper feed fine adjustment.

Fine-Tuning Paper Feed Amount

- Use Adjust feed length to ensure that lines in CAD drawings are printed at exactly the right length.
 - Adjusting Line Length
- This may take some time, depending on the type of paper.

Items to Prepare

When Using Rolls	An unused roll at least 254.0 mm (10.00 in) wide
When Using Sheets	One sheet of unused paper of at least A4/Letter size

Follow the procedure below to adjust.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer
- 2. On the HOME screen, tap

(Setup).

Menu Operations

- 3. Tap Maintenance.
- 4. Tap Paper feed adjustment.
- 5. Tap Adjust print quality.
- 6. Tap Auto.

7. Tap paper to adjust.

A test pattern is printed for adjustment and adjustment is finished.

Manual Banding Adjustment

If printed images are affected by banding in different colors, execute **Adjust print quality** for adjustment of the paper feed amount.

Use manual adjustment with highly transparent media.

Manual adjustment requires you to enter an adjustment value after a test pattern is printed.

Note

- We recommend executing the adjustment if you have changed the paper type or paper size.
- Always check the Set priority values.

Selecting Feed Amount Adjustment Method

• If additional fine-tuning is necessary, execute Paper feed fine adjustment.

O

- Fine-Tuning Paper Feed Amount
- Use Adjust feed length to ensure that lines in CAD drawings are printed at exactly the right length.

Adjusting Line Length

Items to Prepare

When Using Rolls	An unused roll at least 254.0 mm (10.00 in) wide
When Using Sheets	Two sheets of unused paper of at least A4/Letter size

Follow the procedure below to adjust.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer

Important

• Always make sure the loaded paper matches the type of paper specified. Adjustment cannot be completed correctly unless the loaded paper matches the settings.

(Setup).

2. On the HOME screen, tap

Menu Operations

- 3. Tap Maintenance.
- 4. Tap Paper feed adjustment.
- 5. Tap Adjust print quality.
- 6. Tap Manual.

7. Tap paper to adjust.

Test pattern A is printed for manual adjustment.



- When printing on sheets, follow the instructions on the screen and remove the sheet.
- **8.** Examine test pattern A for adjustment. Determine pattern in which banding is least noticeable.



>>>> Note

- If banding seems least noticeable in two patterns but you cannot decide which one is better, choose an intermediate value. For example, choose 11 if you cannot decide whether pattern 10 or 12 is better.
- 9. Tap number you decided.

Test pattern B is printed for manual adjustment.

Note

- If you printed test pattern A on a sheet, follow the instructions on the screen and use another sheet of the same type of paper. Additionally, after test pattern B is printed, follow the instructions on the screen and remove the sheet.
- **10.** Examine test pattern B for adjustment. Determine pattern in which banding is least noticeable.
- **11.** Tap number you decided.

The adjustment value is now registered, and adjustment is complete.

Fine-Tuning Paper Feed Amount

If the contrast is uneven or banding in different colors appears at 30 mm (1.2 in) intervals in printed documents, try executing **Paper feed fine adjustment** during printing to fine-tune the feed amount.

Note Note

• The Paper feed fine adjustment menu is only displayed during printing.

Additionally, it is displayed when you have selected **Auto** or **Prioritize print quality** in **Set priority** in **Paper feed adjustment**.

• Always execute Adjust print quality before Paper feed fine adjustment.

Once you execute Adjust print quality, the Paper feed fine adjustment value will revert to 0.

- Automatic Banding Adjustment
- Manual Banding Adjustment

Follow the procedure below to adjust.

- On the HOME screen, tap (Setup).
 Menu Operations
- 2. Tap Maintenance.
- 3. Tap Paper feed fine adjustment.
- 4. Tap value.

At this time, if banding in dark colors appears, select a setting value in the range 1 to 5, and if banding in light colors appears, select a setting value in the range -1 to -5.

Adjusting Line Length

To ensure that lines in CAD drawings are printed at exactly the right length, use **Adjust feed length** to adjust the amount that paper is advanced.

There are two options in Adjust feed length : Print alignment pattern and Change adjustment values.

>>>> Note

- We recommend executing the adjustment if you have changed the paper type or paper size.
- · Always check the Set priority values before adjustment.

Selecting Feed Amount Adjustment Method

Items to Prepare

When Using Rolls	 An unused roll at least 254.0 mm (10.00 in) wide High-precision ruler
When Using Sheets	One sheet of unused paper of at least A4/Letter sizeHigh-precision ruler

Follow the procedure below to adjust.

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer

Important

- Always make sure the loaded paper matches the type of paper specified. Adjustment cannot be completed correctly unless the loaded paper matches the settings.
- 2. On the HOME screen, tap

(Setup).

Menu Operations

- 3. Tap Maintenance.
- 4. Tap Paper feed adjustment.
- 5. Tap Adjust feed length.
- 6. Tap Print alignment pattern or Change adjustment values.

Ð

• If you tap Print alignment pattern:

The test pattern is printed for you to measure the scale and calculate the discrepancy. The scale bar prints "Millimeter" in 50 mm increments and "Inch" in 1-inch increments.



• If you tap Change adjustment values:

No test pattern is printed. Instead, you will measure a document already printed to determine the discrepancy.

7. Tap amount of discrepancy.

If the scale is shorter than the actual size, use a positive setting value. If it is longer, use a negative value.

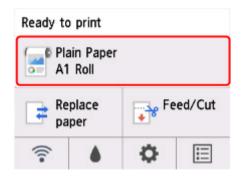
The feed amount can be adjusted in 0.02% increments.

Adjusting Vacuum Strength

When printing on heavyweight paper or paper that curls or wrinkles easily, if the Print head rubs against paper, adjusting the level of suction against paper on the platen may improve results.

Important

- Paper rubbing against or becoming caught on the Print head may jam or result in printed documents that are soiled.
- 1. On the HOME screen, tap paper information area.



- 2. Tap Paper settings.
- 3. Tap Advanced.
- 4. Tap Transport unit vacuum strength.
- **5.** Tap vacuum strength.

Maintenance and Consumables

Ink Tanks

- Ink Tanks
- Replacing Ink Tanks
- Checking Ink Tank Levels
- When to Replace Ink Tanks

Print Head

- Print Head
- Checking for Nozzle Clogging
- Cleaning the Print Head
- Replacing the Print Head

Maintenance Cartridge

- Maintenance Cartridge
- Replacing the Maintenance Cartridge
- Checking the Remaining Maintenance Cartridge Capacity
- When to Replace the Maintenance Cartridge

> Cutter Blade

- Cutter Blade
- Replacing the Cutter Blade
- > Performing Maintenance Functions from Your Computer (Windows)
 - Cleaning the Print Heads
 - Printing a Nozzle Check Pattern
- Performing Maintenance Functions from Your Computer (macOS)
 - Opening Remote UI for Maintenance
 - Cleaning the Print Heads
 - Printing a Nozzle Check Pattern
- Cleaning the Printer

- Cleaning the Printer Exterior
- Cleaning Inside the Top Cover
- Cleaning the Print Head

> Other Maintenance

- Preparing to Transfer the Printer
- Reinstalling the Printer
- Firmware update

Ink Tanks

- Ink Tanks
- Replacing Ink Tanks
- Checking Ink Tank Levels
- > When to Replace Ink Tanks

Ink Tanks

When purchasing, check the Model number.

1.9 fl oz (55 ml)

Colors	Model number
Matte Black	PFI-030 MBK
Black	PFI-030 BK
Cyan	PFI-030 C
Magenta	PFI-030 M
Yellow	PFI-030 Y

>>>> Note

• For instructions on replacing the ink tanks, see Replacing Ink Tanks.

Replacing Ink Tanks

Compatible Ink Tanks

For details on compatible ink tanks, see Ink Tanks.

Precautions When Handling Ink Tanks

Take the following precautions when handling ink tanks.

\rm Caution

- For safety, keep ink tanks out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.

>>>> Important

- There may be ink around the ink holes of an ink tank you removed. Handle the ink tanks carefully during replacement. The ink may stain clothing.
- Do not install ink tanks used in this printer in another model of printer. This will prevent correct ink level detection, which may damage the printer or cause other problems.
- We recommend using up an ink tank in the course of printing within six months after breaking the seal. Printing quality may be affected if you use older ink tanks.
- Do not leave the printer without ink tanks installed for extended periods (a month or more). Residual ink may become clogged inside the printer and affect printing quality.

How to Replace an Ink Tank

If a message indicates you should replace an ink tank, check the message details and go to step 2.

- 1. Selecting Ink Tank Replacement from Menu
- 2. Removing Ink Tanks
 - Removing ink tank
- 3. Loading New Ink Tanks
 - Loading ink tank

>>>> Important

• Do not remove an ink tank during initialization immediately after turning on the printer, or during print head cleaning. Ink may leak out.

>>>> Note

• Ink tank replacement is possible even during printing, when print jobs are being canceled, or when paper is being advanced.

Selecting Ink Tank Replacement from Menu

Tap (Ink information) on HOME screen.
 <u>Touch Screen</u>

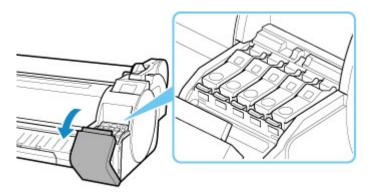
The Current estimated ink levels screen appears.

2. Tap Replace.

Instructions for the ink tank replacement procedure appear on the touch screen.

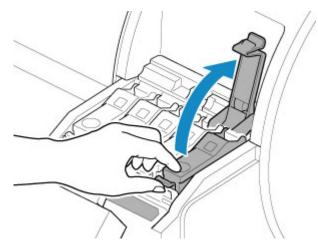
Removing ink tank

1. Open ink tank cover.

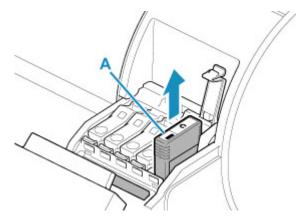


>>>> Important

- Avoid jarring the printer a lot when replacing an ink tank. Handle the printer gently when replacing tanks. Jarring the printer during printing may affect printing quality.
- **2.** Press tip of ink tank lock lever of color for replacement horizontally and pull ink tank lock lever up to open it.

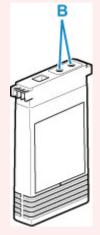


3. Remove ink tank by grips (A), and then tap **OK**.



Important

- Do not turn off the printer, except transport preparation, while the ink tank is removed. It may cause the interior of the ink tank cover to become soiled.
- Store the removed ink tank with ink remaining with the ink holes (B) facing up. Otherwise, ink may leak and cause stains. Put the removed ink tank in a plastic bag and close the bag.



>>>> Note

• Dispose of the used ink tank in accordance with local regulations.

Loading ink tank

1. Before opening the pouch, tilt the ink tank to the left and right gently one or two times.

Agitate the ink in the ink tank by slowly rotating the ink tank upside-down and right side up repeatedly.

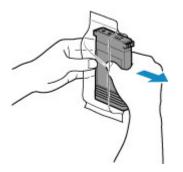


Important

- Do not remove and agitate an ink tank that has already been installed in the printer. Ink may leak out.
- Failure to agitate the ink tank may cause the ink components to precipitate and may affect printing quality.



- If the ink tank is at a low temperature, allow it to warm up to room temperature before installing.
- 2. Open the pouch and remove the ink tank.

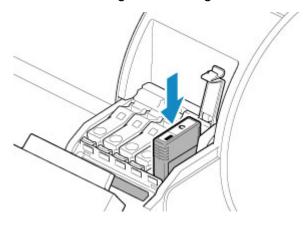


Important

• Never touch the ink holes (B) or the metal contacts (C). This may cause stains, damage the ink tank, and affect printing quality.



- Avoid dropping the ink tank after removing it from the pouch. Otherwise, ink may leak and cause stains.
- **3.** Tap **OK** and insert the ink tank into the holder with the label side of the ink tank up and the label text aligned in the right direction.



>>>> Important

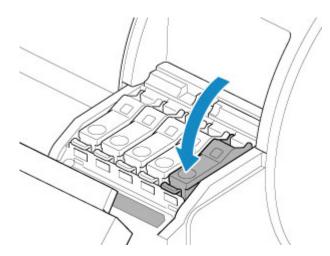
• An ink tank cannot be loaded in the holder if the color or orientation is incorrect.

If the ink tank does not fit in the holder, do not force it into the holder. Reinstall while checking the label color display, ink tank color, and ink tank orientation.

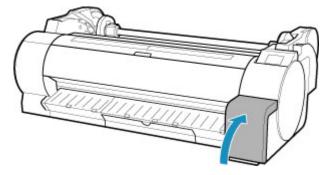
• Do not push the ink tank in by hand. Forcing the ink tank into the holder may damage the printer.



4. Push the ink tank lock lever closed until it clicks into place.



5. Close ink tank cover.



Checking Ink Tank Levels

On the touch screen, you can check how much ink is left in the ink tank.

1. Tap (Ink information) on HOME screen.

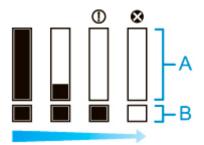
Touch Screen

The Current estimated ink levels screen appears.



This printer has ink tanks (A) and sub-ink tanks (B). Even if ink runs out, printing can continue with ink in the sub-ink tanks.

When the remaining ink is low, 🙂 will appear on the remaining ink level. When ink runs out, 😢 will appear. See the figure below.



If the touch screen indicates to replace the ink tank, replace the ink tank. If a message is displayed indicating to check the remaining ink levels, or after tasks that consume a lot of ink such as large-format printing or head cleaning, check the remaining levels and replace ink tank as needed.

Replacing Ink Tanks

Note

- Tap Order ink now to view the ink supplier information.
- When the function for detecting the remaining ink level is disabled, ?? will appear on the remaining ink level.
- If an ink tank is not inserted, there is no ink tank display.

When to Replace Ink Tanks

Replace or prepare to replace ink tanks in the following situations.

If ink confirmation message appears on touch screen

If ink is low, the **Status** lamp lights orange and a notification message will appear on the touch screen. You can continue to print, but prepare the ink tanks.

Checking Ink Tank Levels

Before print jobs and maintenance that consume a lot of ink

If little ink is left, there may not be enough for large-format printing, head cleaning, and maintenance, which require a lot of ink. Replace or prepare to replace the ink tanks in the following situations.

If message for ink replacement appears on touch screen

When the ink runs out, the **Status** lamp flashes orange, a message regarding ink tanks replacement appears on the touch screen, and printing is disabled. Replace the ink tank.

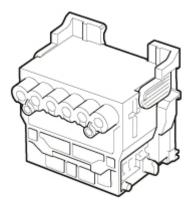
Print Head

- Print Head
- Checking for Nozzle Clogging
- Cleaning the Print Head
- Replacing the Print Head

Print Head

When purchasing, check the Model number.

Model number: PF-06



>>>> Note

• For instructions on replacing the print head, see <u>Replacing the Print Head</u>.

Checking for Nozzle Clogging

If printing is faint or affected by banding in different colors, make sure the print head nozzles are clear by printing a test pattern to check the nozzles.

Important

• When using cut sheets, do not move the release lever until instructions (guidance) for removing the paper are displayed.

Moving the release lever during printing or maintenance operations will cause the printer to stop.

Note

- By default, nozzles are checked at fixed intervals.
 - Auto maintenance settings

Paper to Prepare

When using rolls

An unused roll at least 10.00 in. (254.0 mm) wide

When using sheets

One sheet of unused paper of at least A4/Letter size

- 1. Load paper.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer
- 2. Tap (Setup) > Maintenance on HOME screen.

Touch Screen

The Maintenance screen appears.

3. Tap Nozzle Check.

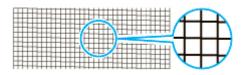
A confirmation message appears.

4. Tap Yes.

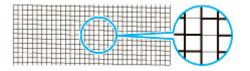
The printer now prints a test pattern for checking the nozzles.

5. Check the printing results.

If the horizontal lines are not faint or incomplete, the nozzles are clear.



If some sections of the horizontal lines are faint or incomplete, the nozzles for those colors are clogged.



If horizontal lines are faint or incomplete, execute print head cleaning.

Cleaning the Print Head

Cleaning the Print Head

If printing is faint, cleaning the print head may improve results.

Choose one of three print head cleaning modes (**Cleaning**, **Deep Cleaning**, or **System cleaning**), depending on the problem to resolve.

Cleaning

Use this mode if printing is faint or contains foreign substances. This method of cleaning consumes the least amount of ink.

It takes about 2 to 3 minutes.

Deep Cleaning

Use this mode if no ink is ejected at all or if **Cleaning** does not solve the problem.

It takes about 3 minutes.

System cleaning

Use this mode if printing is not improved after **Deep Cleaning**. **System cleaning** consumes a very large amount of ink. Performing this frequently consumes the ink faster. Perform this only when needed.

It takes about 4 minutes.

>>>> Important

• Do not remove the maintenance cartridge or ink tanks during **Cleaning**, **Deep Cleaning**, or **System cleaning**.

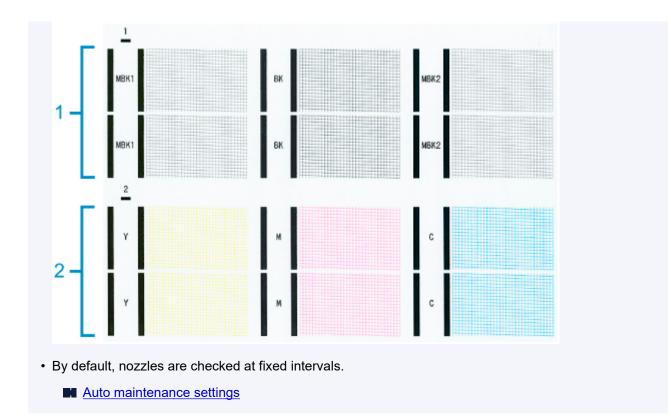
Ink may leak or an error may occur.

- If printing is not improved after **System cleaning**, the print head may be at the end of its service life. Contact your Canon dealer for assistance.
- When using cut sheets, do not move the release lever until instructions (guidance) for removing the paper are displayed.

Moving the release lever during printing or maintenance operations will cause the printer to stop.

>>>> Note

• Check the nozzle check pattern and select an ink group for which to perform cleaning as needed. You can clean all print heads or select pattern 1 or 2 to clean the print heads with a clogged nozzle.



Perform cleaning as follows.

1. Tap (Setup) > **Maintenance** on HOME screen.

Touch Screen

The Maintenance screen appears.

2. Tap Print head cleaning.

3. Tap Cleaning, Deep Cleaning, or System cleaning.

- **4.** Tap ink group to be cleaned.
 - All colors
 - Pattern 1: MBK / BK
 - Pattern 2: Y / M / C

A confirmation message appears.

5. Tap Yes.

Head cleaning is now executed.

- **6.** Print a test pattern to check the nozzles and determine whether cleaning has cleared the nozzles.
 - Checking for Nozzle Clogging

Replacing the Print Head

If the touch screen indicates to replace the print head or if instructed to do so by your Canon dealer, replace the print head.

Compatible Print Head

For details on compatible print head, see Print Head.

Precautions When Handling Print Head

Take the following precautions when handling the print head.

\rm Caution

- For safety, keep print head out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.
- Do not touch the print head immediately after printing. The print head becomes extremely hot, and there is a risk of burns.

Important

- There may be ink around the nozzles of the print head you remove. Handle the print head carefully during replacement. The ink may stain clothing.
- Do not open the print head pouch until immediately before installation. After removing the print head from the pouch, install it right away. If the print head is left as is after the pouch is opened, the nozzles may dry out, which may affect printing quality.

How to Replace Print Head

1 Caution

• When replacing the print head immediately after printing, wait a few minutes before replacing it. The metal parts of the print head become hot during printing, and there is a risk of burns from touching these parts.

Important

• Your hands may become dirty during print head replacement. Use the gloves provided in the box with the new print head for replacement.

Note

- · Prepare a new ink tank when ink levels are low.
- Prepare a new maintenance cartridge when the remaining capacity of the maintenance cartridge is low.

1. Tap (Setup) > Maintenance on HOME screen.

Touch Screen

The Maintenance screen appears.

2. Tap Head replacement.

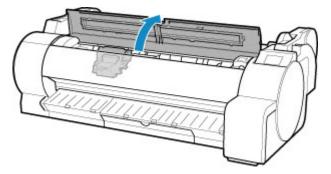
A confirmation message appears.

3. Tap Yes.

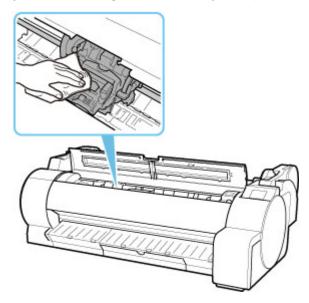
Ink begins being drawn in. When it finishes, instructions for the print head replacement procedure appear on the touch screen.

It takes about 1 to 2 minutes for ink to be drawn into the system and remove ink from the print head.

4. Open top cover.

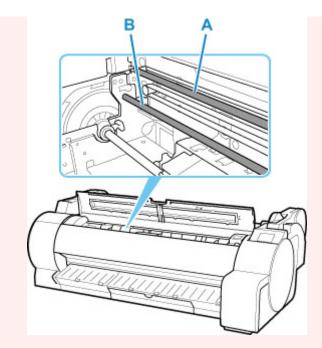


5. If the print head locking cover and print head lock lever are dirty, use a damp cloth that you have wrung out completely to wipe them clean.

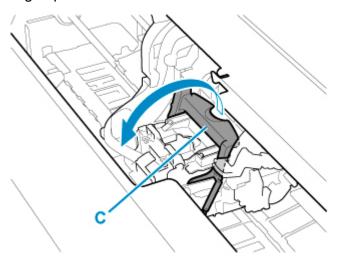


>>>> Important

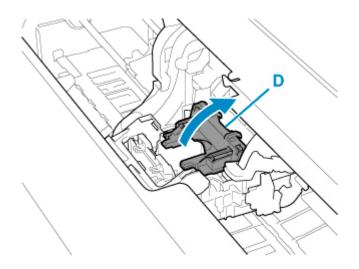
• Do not touch the linear scale (A) or carriage shaft (B). Touching these may cause malfunction.



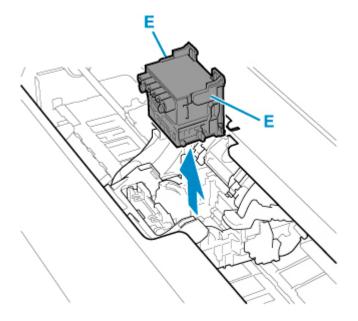
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface.
- **6.** Pull down print head lock lever toward the front while holding its center (C) with your fingertip.



7. Grab grip (D) and open print head locking cover.



8. Grab grips (E), remove print head, and then tap OK.

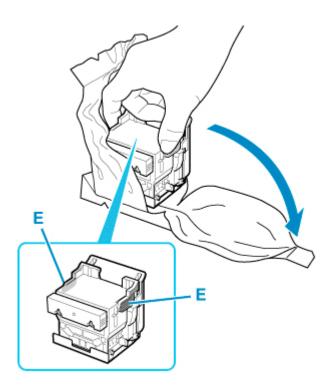


>>>> Important

• Never touch the metal contacts of the carriage. Furthermore, do not allow any dirt or debris to become adhered to the metal contacts of the carriage. These may damage the printer.

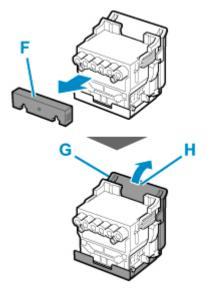
>>>> Note

- Dispose of the used print head in accordance with local regulations.
- **9.** Take new print head out of its pouch by grabbing grips (E).



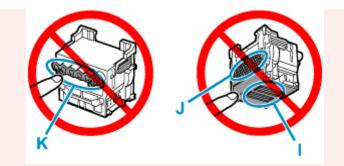
10. Remove orange protective caps (F, G).

Grab grip (H) to remove protective cap (G).



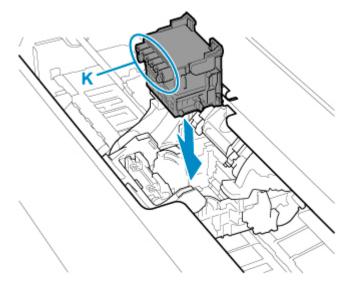
>>>> Important

- Always carry the print head by holding its right and left grips. Never touch nozzle (I) or metal contacts (J). This may damage the print head and affect printing quality.
- Never touch the ink holes (K). This may affect printing quality.

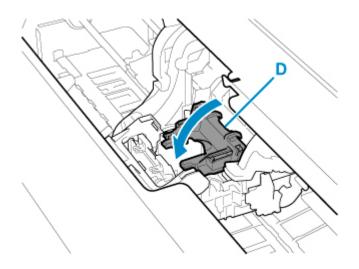


- The inside surface of the protective cap is coated with ink to protect the nozzle. Be careful not to touch these surfaces when removing the caps.
- The print head contains ink to protect the nozzle. We recommend removing the protective cap while holding it over the pouch that contained the print head or otherwise safely out of the way to avoid spilling ink and staining your clothes or the surrounding area. If ink accidentally spills, wipe off the ink with a dry cloth.
- If you need to put a print head somewhere temporarily before installation, do not set it down with the nozzles and metal contacts facing down. If the nozzles or metal contacts are damaged, it may affect the printing quality.
- Do not reattach the removed protective part. Dispose of these materials in accordance with local regulations.
- **11.** Turn ink holes (K) toward the front and insert print head into carriage.

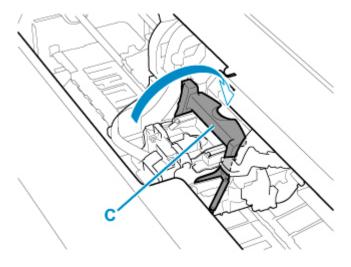
Insert the print head all the way into the carriage, while taking care to keep parts that were protected by the protective caps from touching the carriage.



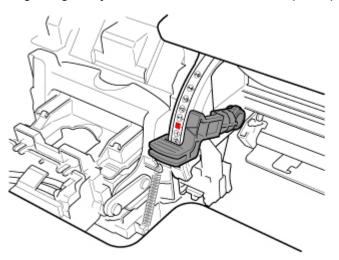
12. Grasp tab (D) of print head locking cover and lower it to front to lock print head.



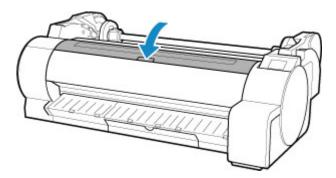
13. While holding center part (C) of print head lock lever, lower it toward back.



14. Align angle adjustment lever with the red square position.



15. Close top cover.



Ink now fills the print head. It takes about 10 minutes.

Important

• While ink is being filled, definitely do not remove the ink tank or maintenance cartridge. Ink may leak out.

>>>> Note

• Print head position adjustment is executed when Print pattern after new head is set to ON.

Follow the instructions on the touch screen to load paper.

Auto maintenance settings

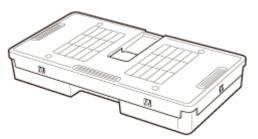
Maintenance Cartridge

- Maintenance Cartridge
- > Replacing the Maintenance Cartridge
- > Checking the Remaining Maintenance Cartridge Capacity
- > When to Replace the Maintenance Cartridge

Maintenance Cartridge

When purchasing, check the Model number.

Model number: MC-31



>>>> Note

• For instructions on replacing the maintenance cartridge, see Replacing the Maintenance Cartridge.

Compatible Maintenance Cartridges

For details on compatible maintenance cartridge, see Maintenance Cartridge.

Precautions When Handling Maintenance Cartridge

Take the following precautions when handling the maintenance cartridge.

\rm Caution

- For safety, keep maintenance cartridge out of the reach of children.
- If ink is accidentally ingested, contact a physician immediately.

>>>> Important

- Do not remove the maintenance cartridge except to replace it. Ink may leak out.
- Do not remove a maintenance cartridge during initialization immediately after turning on the printer, during print head cleaning, while ink is being drawn out, or during initialization immediately after replacing the maintenance cartridge.

The maintenance cartridge may become damaged or ink may leak out.

- To prevent ink from leaking from a used maintenance cartridge, avoid dropping the cartridge or storing it at an angle. Otherwise, ink may leak and cause stains.
- Ink adheres to the top of the maintenance cartridge after it has been used. Handle the maintenance cartridge carefully during replacement. The ink may stain clothing.

How to Replace a Maintenance Cartridge

If a message indicates you should replace a maintenance cartridge, check the message details and go to step 4.

1. Tap (Setup) > Maintenance on HOME screen.

Touch Screen

The Maintenance screen appears.

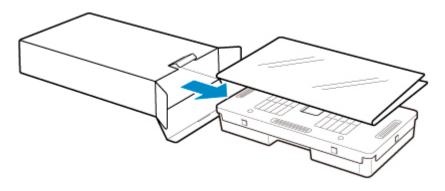
2. Tap Maintenance cartridge info.

The Maintenance cartridge info screen appears.

3. Tap Replace.

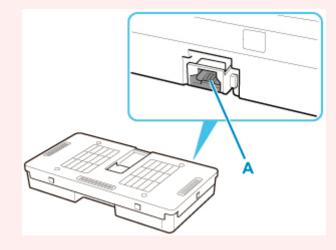
Instructions for the maintenance cartridge replacement procedure appear on the touch screen.

4. Open box, and remove plastic bag and maintenance cartridge.

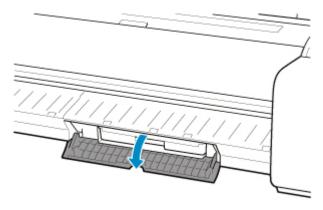


>>>> Important

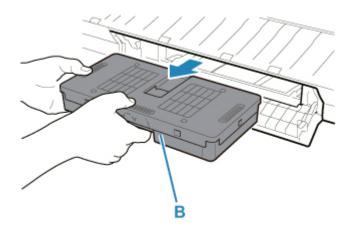
• Never touch the metal contacts (A). This may damage the maintenance cartridge.



5. Open maintenance cartridge cover.

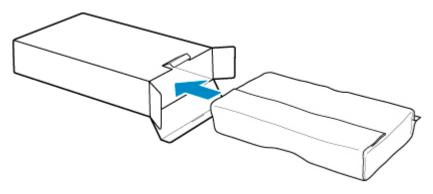


6. Hold the used maintenance cartridge by the grip (B) with one hand and put your other hand under the maintenance cartridge to hold it firmly on the bottom, keeping it level as you pull it out.



Important

- A used maintenance cartridge is heavy. Always grasp the cartridge firmly and keep the cartridge level during removal. If you drop a used maintenance cartridge or store it at an angle, ink may leak and cause stains.
- 7. Put used maintenance cartridge in supplied plastic bag and store on flat surface.
- **8.** Check the top and bottom of the maintenance cartridge, place in the box, and store the box on a flat surface.

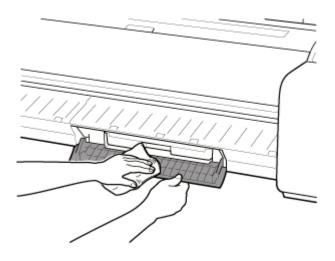


>>>> Important

• Always put the used maintenance cartridge back in the box and store the box on a flat surface.

>>>> Note

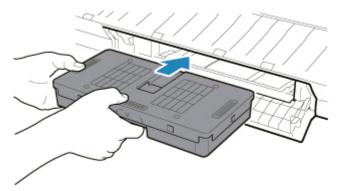
- Dispose of the used maintenance cartridge in accordance with local regulations.
- 9. Wipe away any soiling on the maintenance cartridge cover.



>>>> Important

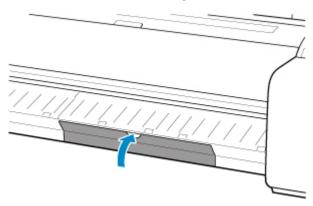
- Support the maintenance cartridge cover from underneath as you wipe it.
- **10.** Keeping the new maintenance cartridge level, insert it all the way in.

The maintenance cartridge is initialized.



>>>> Important

- Do not remove the maintenance cartridge during initialization immediately after replacing the maintenance cartridge. The maintenance cartridge may become damaged.
- **11.** Close maintenance cartridge cover.



Checking the Remaining Maintenance Cartridge Capacity

The maintenance cartridge absorbs excess ink from print head cleaning. You can confirm the remaining capacity of the maintenance cartridge by checking the touch screen.

1. Tap (Setup) > Maintenance on HOME screen.

Touch Screen

The **Maintenance** screen appears.

2. Tap Maintenance cartridge info.

The Maintenance cartridge info screen appears.



If the touch screen indicates to replace the maintenance cartridge, replace the maintenance cartridge.

If a message appears indicating to check the remaining capacity of the maintenance cartridge, or before tasks that deplete much of the capacity such as head cleaning or preparations to move the printer, check the remaining maintenance cartridge capacity and prepare a new maintenance cartridge as needed.

Replacing the Maintenance Cartridge

When to Replace the Maintenance Cartridge

Replace or prepare to replace the maintenance cartridge in the following situations.

If maintenance cartridge confirmation message appears on touch screen

When the maintenance cartridge is almost used up, the **Status** lamp lights orange and a notification message will appear on the touch screen. You can continue to print, but check the remaining maintenance cartridge capacity and prepare to replace the maintenance cartridge with a new one.

M Checking the Remaining Maintenance Cartridge Capacity

When the maintenance cartridge capacity is drastically depleted

Print head cleaning, print head replacement, and preparations to transfer the printer deplete much of the maintenance cartridge capacity. (In particular, preparing to move the printer depletes a lot of the capacity.)

Check the remaining maintenance cartridge capacity before this maintenance and replace the maintenance cartridge if necessary.

· If message for maintenance cartridge replacement appears on touch screen

When the maintenance cartridge is used up, the **Status** lamp blinks orange, a message regarding maintenance cartridge replacement appears on the touch screen, and printing is disabled. Replace the maintenance cartridge with a new one.

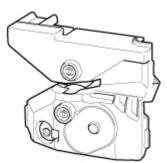
Cutter Blade

- Cutter Blade
- Replacing the Cutter Blade

Cutter Blade

When purchasing, check the Model number.

Model number: CT-08



>>>> Note

• For instructions on replacing the cutter blade, see <u>Replacing the Cutter Blade</u>.

Replacing the Cutter Blade

Compatible Cutter Blade

For details on compatible cutter blade, see Cutter Blade.

How to Replace Cutter Blade

Important

• The cutter blade can not be replaced if there is paper in the moving range of the cutter. Remove the paper.

1. Tap (Setup) > Maintenance on HOME screen.

Touch Screen

The Maintenance screen appears.

2. Tap Replace cutter blade unit.

A confirmation message appears.

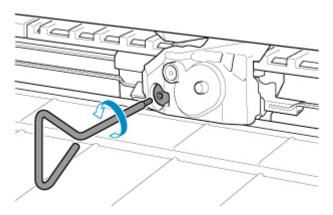
3. Tap Yes.

The carriage moves and after it stops moving, instructions for the cutter blade replacement procedure appear on the touch screen.

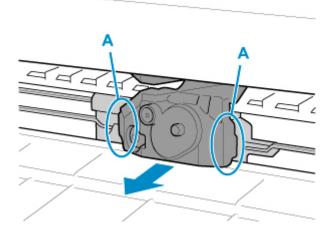
4. If cutter blade is dirty, use damp cloth that you have wrung out completely to wipe it clean.

Important

- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface.
- 5. Turn hex screw with hex wrench until loose.



6. Remove cutter blade while holding A.

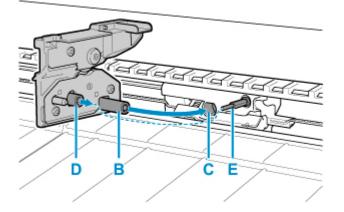


1 Caution

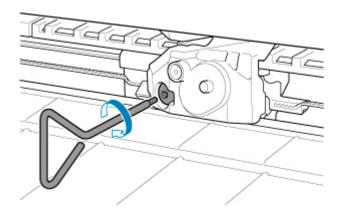
- Never touch any part other than A. This may stain your hands or cause injury. Additionally, this may damage the printer.
- Do not disassemble the cutter blade. Touching the blade may cause injury.

>>>> Note

- Dispose of the used cutter blade in accordance with local regulations.
- 7. Install new cutter blade while aligning B to C and D to E.



8. Turn hex screw until securely fixed.



>>>> Important

- After the cutter blade is secured, check that the cutter blade does not come off. If the cutter blade comes off, this may damage the printer.
- **9.** Tap **Done**.
- **10.** Tap **Yes**.

Performing Maintenance Functions from Your Computer (Windows)

- Cleaning the Print Heads
- > Printing a Nozzle Check Pattern

Cleaning the Print Heads

The print head cleaning function allows you to clear up clogged print head nozzle. Perform print head cleaning if printing is faint or a specific color fails to print, even though there is enough ink.

The procedure for print head cleaning is as follows::



Print Head Cleaning

- 1. Open the printer driver setup window
- 2. Click Print Head Cleaning on the Maintenance tab

When the **Print Head Cleaning** dialog box opens, select the head cleaning to be performed from the following:

Cleaning

Perform **Cleaning** if printing is faint or a specific color fails to print, even though there is enough ink.

System Cleaning

System Cleaning is a more powerful cleaning function. Perform **System Cleaning** if there is no improvement even after repeating **Cleaning** several times.

Important

- **System Cleaning** consumes an extremely large amount of ink. Executing system cleaning frequently will rapidly deplete your printer's ink supply. Therefore, execute system cleaning only when necessary.
- 3. Execute cleaning

Make sure that the printer is on and then click OK.

Print head cleaning starts.

>>>> Note

• After Cleaning or System Cleaning is complete, perform Print Nozzle Check Pattern and check the cleaning results.

Related Topic

Printing a Nozzle Check Pattern

Printing a Nozzle Check Pattern

The nozzle check function allows you to check whether the print head is working properly by printing a nozzle check pattern. Print the pattern if printing becomes faint, or if a specific color fails to print.

The procedure for printing a nozzle check pattern is as follows:



Print Nozzle Check Pattern

- 1. Open the printer driver setup window
- 2. Load paper in the printer
- 3. Click Print Nozzle Check Pattern on the Maintenance tab

The Print Nozzle Check Pattern dialog box opens.

4. Select feed position

Select the feed position from the displayed dialog box.

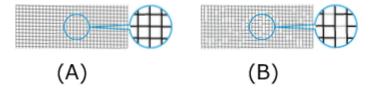
5. Print a nozzle check pattern

Make sure that the printer is on and click **OK**. Printing of the nozzle check pattern begins.

Click **OK** when the confirmation message appears.

6. Check the print result

Check the print results.



(A) As long as the horizontal lines are in line, and not missing, the nozzle is working normally.(B) Where the horizontal lines are not in line or are missing, the color nozzle is blocked.

>>>> Note

• From the nozzle check pattern printing results, if it becomes patchy or there are areas that cannot be printed, use **Print Head Cleaning** to clean the print heads. Once cleaning is complete, print the nozzle check pattern again and check the results.

Related Topic

Cleaning the Print Heads

Cleaning the Printer

- Cleaning the Printer Exterior
- Cleaning Inside the Top Cover
- Cleaning the Print Head

Cleaning the Printer Exterior

Clean the printer regularly to maintain better printing quality and help prevent problems.

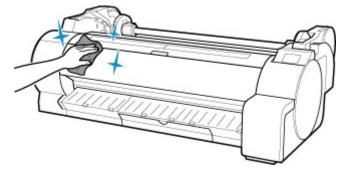
To ensure a comfortable working environment, clean the printer exterior about once a month.

- 1. Turn printer off.
 - Turning the Printer On and Off
- 2. Unplug power cord from outlet.

\rm Caution

- Always turn off the printer and unplug the power cord before cleaning or maintenance. Accidentally leaving the printer on poses a risk of injury if you touch moving parts inside the printer.
- 3. Wring out soft cloth with water or watered-down neutral detergent, and use it to wipe off dirt.

Clean the printer exterior and the power cord plug.



🛝 Warning

• Never use flammable solvents such as alcohol, benzene, or thinner. If these substances come into contact with electrical components inside the printer, there is a risk of fire or electrical shock.

Important

• If the output guide is dirty, it may soil the edge of the paper when the paper is cut. We recommend cleaning the output guide even if it does not appear dirty, because it may actually be covered with paper dust.

Cleaning Inside the Top Cover

- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface.
- When neutral detergent is used, be sure to wipe off the detergent with soft cloth with water.
- 4. When dirt is wiped off, wipe off water with dry soft cloth.
- 5. Plug power cord into outlet.

Cleaning Inside the Top Cover

Clean inside the top cover about once a month to maintain better printing quality and help prevent problems.

Also clean inside the top cover in the following situations to ensure optimal operation.

- · If the printed surface or the underside of paper is dirty after printing
- After you have used up a roll
- After borderless printing
- · After printing on small paper
- · After printing on paper that generates a lot of cutting debris
- If you have replaced the roll
- · After printing on paper that generates a lot of paper dust
- · After printing on adhesive paper

Important

- If the platen inside the top cover becomes dirty, it may soil the underside of paper. We recommend cleaning the platen after borderless printing or printing on small paper.
- If the output guide is dirty, it may soil the edge of the paper when the paper is cut. We recommend cleaning the output guide even if it does not appear dirty, because it may actually be covered with paper dust.
- Printing on adhesive paper may leave adhesive on the platen, paper retainer, or other parts. To prevent paper jams, we recommend cleaning inside the top cover after printing.
- · Cleaning may not be performed if there is paper in the cleaning area. Remove the paper.

1. Tap (Setup) > **Maintenance** on HOME screen.

Touch Screen

The Maintenance screen appears.

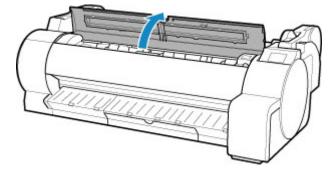
2. Tap Platen cleaning.

A confirmation message appears.

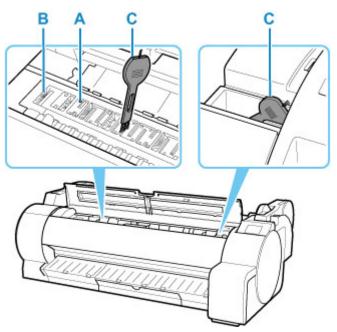
3. Tap Yes.

The carriage moves and after it stops moving, instructions appear on the touch screen.

4. Open top cover.

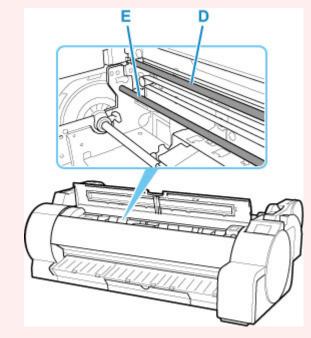


5. If paper dust has accumulated in vacuum holes (A) on platen or in borderless printing ink grooves (B), use cleaning brush (C), provided with printer, to wipe it away.



>>>> Important

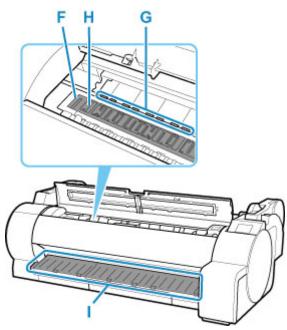
• Do not touch the linear scale (D) or carriage shaft (E). Touching these may cause malfunction.



>>>> Note

- If the cleaning brush is dirty, rinse it in water.
- **6.** Using a damp cloth that you have wrung out completely, wipe inside the top cover to clean it.

Wipe away any ink residue and paper dust (debris from cutting) on entire platen (F), paper retainer (G), borderless printing ink grooves (H), and output guide (I), and so on.



🛝 Warning

• Never use flammable solvents such as alcohol, benzene, or thinner. If these substances come into contact with electrical components inside the printer, there is a risk of fire or electrical shock.

>>>> Important

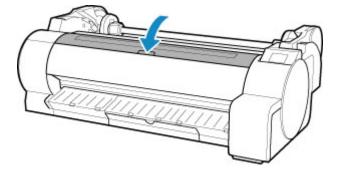
- Do not use a dry cloth to wipe inside the top cover. This may create a static charge, which may attract dust and affect the printing quality.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface.

>>>> Note

• When cleaning between the platen and ejection guide, use a damp cloth that you have wrung out completely to wipe over the output tray and along grooves.



2. Close top cover.



Other Maintenance

- > Preparing to Transfer the Printer
- Reinstalling the Printer
- Firmware update

Preparing to Transfer the Printer

To protect the internal parts in transit, always follow these steps before transferring the printer to a new location.

For details on packing the printer and installing it after transfer, see Reinstalling the Printer.

>>>> Important

- Avoid tilting the printer excessively in transit. This may cause ink in the printer to leak and cause stains.
- When moving the printer, make sure that the basket does not rub against the floor. If the basket rubs on the floor, it may get dirty or damaged.
- When you select **Prepare to move**, any registered web services will be canceled. After moving your printer, set up your web services again.

Web service setup

>>>> Note

- The maintenance cartridge replacement may be required when you execute the **Prepare to move** menu. Prepare the maintenance cartridge in advance while referring below. The number of maintenance cartridge required varies depending on the amount remaining in the maintenance cartridge being used.
- If you can move the printer in a level state using casters or something similar, you do not need to execute **Prepare to move**.
- Always follow the instructions of the service representative when preparing to transfer the printer.

The following lists transport restrictions by type of transport.

Move on the same floor

Usage Examples: Move indoors by carrying

- Transport and storage in low temperature environments: No
- Required maintenance cartridges: 1

Transport outdoors

Usage Examples: Transport by vehicle

- · Transport and storage in low temperature environments: Yes
- Required maintenance cartridges: 1

Preparing for Transportation

- 1. Remove the paper.
 - Rolls

Removing the Roll from the Printer

Sheet

Removing Sheets

2. If touch screen indicates to replace maintenance cartridge, replace maintenance cartridge.

Replacing the Maintenance Cartridge

3. Tap (Setup) > **Maintenance** on HOME screen.

Touch Screen

The Maintenance screen appears.

- 4. Tap Prepare to move.
- 5. Tap Move on the same floor or Transport outdoors.

A confirmation message appears.

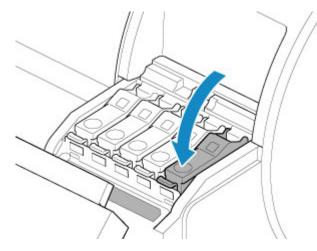
6. Tap Yes.

The printer is now prepared for transfer.

When the preparation is finished, a message prompting you to open the ink tank cover appears on the touch screen.

Important

- If consumables must be replaced, a message appears on the touch screen, and preparation is disabled. If the message appears, tap **OK** and contact your Canon dealer for assistance.
- 7. Open ink tank cover to remove all ink tanks.
 - Replacing Ink Tanks
- 8. Push all ink tank lock levers closed until they click into place.



9. Close ink tank cover.

Ink is now drawn into the maintenance cartridge.

A confirmation message will appear when the process is finished.

Important

• Do not remove the maintenance cartridge except when the message indicating replacement is displayed.

If you remove the maintenance cartridge while ink is being removed, the ink may leak out.

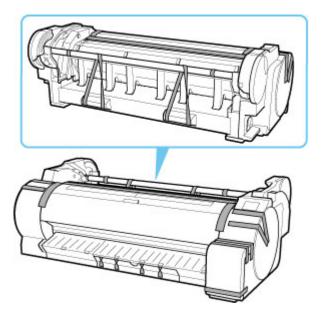
10. Press ON button and turn off printer.

Packing Printer

1. Disconnect power cord and interface cable.

Important

- Turn off the printer before you unplug it. Unplugging the printer before it is off and moving it may damage the printer. If you accidentally unplug the printer, plug it in again, reinstall the ink tanks, and follow this procedure again.
- **2.** Tape down printer covers to secure them, in the reverse order of tape removal during installation.



- **3.** Remove the stand by reversing the installation procedure, when it was attached to the printer.
- 4. Disassemble and repackage the stand by following the installation procedure in reverse.
- **5.** Repack roll holder, holder stopper, and printer in shipping materials, and then package them in shipping box.

Reinstalling the Printer

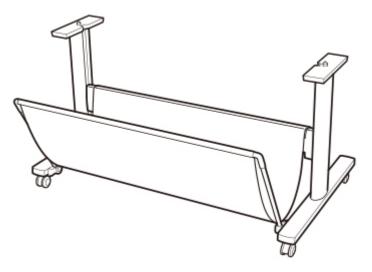
The basic workflow for reinstalling the printer is as follows.

For detailed instructions, see the Setup Guide.

Assemble the stand

>>>> Note

- Depending on the product, a stand may not be provided.
- **1.** To use the optional stand, assemble the stand by referring to the Printer Stand Setup Guide that was provided with the stand.



1 Caution

- The stand must be assembled by at least two people on a flat surface. Attempting assembly by yourself poses a risk of injury or bending the Stand.
- When assembling the stand, lock all four of the casters. Attempting to move the stand when the casters are locked poses a risk of injury or damage to the location site.
- When moving the stand, make sure that the basket does not graze the floor and that all four of the casters are unlocked before moving the stand. Not doing so may damage the basket, scratch the floor, or cause injuries.

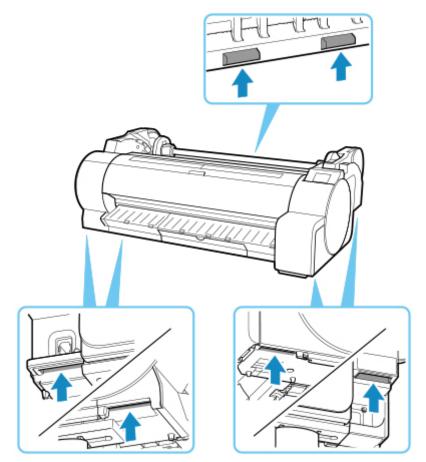
Install the printer

1. Mount the printer on the assembled stand and tighten the screws firmly.



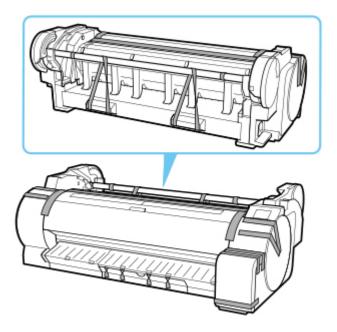
1 Caution

- Moving the printer requires at least three people. Be careful to avoid back strain and other injuries.
- When moving the printer, firmly grasp the carrying grips. The printer may be unsteady if you hold it at other positions, which poses a risk of injury from dropping the printer.

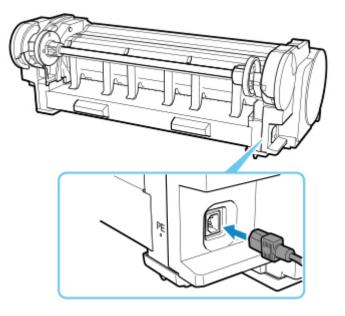


• When placing the printer on the stand, lock all four of the casters of the stand. Attempting to place the printer on the stand while the casters are not locked poses a risk of injury.

2. Remove tape and packaging material attached to the printer.

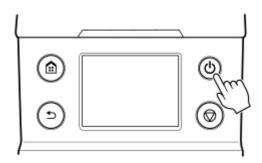


3. Connect the power cord to the power cord connector on the right side of the printer.

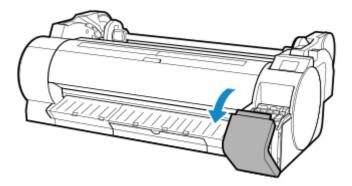


- **4.** Plug the power cord into the outlet.
- 5. Press ON button to turn on printer.

When "Install the printer here? Do not install the ink tanks yet." appears, tap Yes.



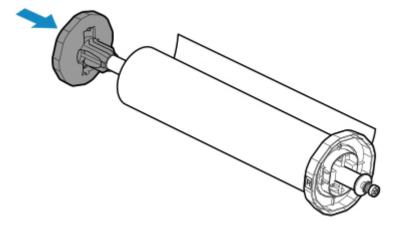
6. When instructions for loading ink tank appear on operation panel, open ink tank cover and load ink tank.



>>>> Note

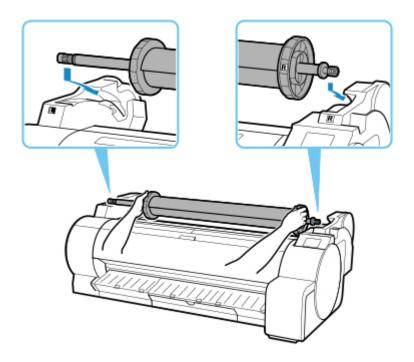
- After installing the ink tank, a message may appear that tells you to install a second ink tank. If this happens, first remove the installed ink tank, and then install a second one.
- 7. Loading Rolls on the roll holder

(See "Loading Rolls on the Roll Holder.")



8. Load the Roll Media in the printer.

(See "Loading Rolls in the Printer.")



9. Install the software.

Note that the driver installation procedure varies depending on the type of connection.

(See "Installing the Printer Driver" (Windows).)

(See "Installing the Printer Driver" (macOS).)

Important

• When the printer is connected to a network (via TCP/IP), the printer's IP address may be changed if you reinstall the printer.

In this case, be sure to reconfigure the printer's IP address.

- When you select **Prepare to move**, any registered web services will be canceled. After moving your printer, set up your web services again.
 - Web service setup

Firmware update

This setting item is displayed by tapping **Device settings** after tapping (Setup) on the HOME screen.

>>>> Important

• The administrator password is required to change settings if it is enabled for changing settings using the operation panel.

You can update the firmware of the printer, check the firmware version, or perform settings of a notification screen, a DNS server and a proxy server.

>>>> Note

• If LAN is disabled, you can not use Install update, DNS server setup, Proxy server setup.

Install update

Performs the firmware update of the printer. If you select **Yes**, the firmware update starts. Follow the onscreen instructions to perform update.

Important

• When you use this function, make sure the printer is connected to the Internet.

>>>> Note

- If the firmware update is not complete, check the following and take an appropriate action.
 - Check the network settings such as a wireless router.
 - If **Cannot connect to the server.** is displayed on the touch screen, select **OK** and try again after a while.

Check current version

You can check the current firmware version.

Update notification setting

When **Yes** is selected and the firmware update is available, the screen to inform you of the firmware update is displayed on the touch screen.

DNS server setup

Performs settings for a DNS server. Select **Auto setup** or **Manual setup**. If you select **Manual setup**, follow the display on the touch screen to perform settings.

Proxy server setup

Performs settings for a proxy server. Follow the display on the touch screen to perform settings.

Specifications

- Specifications
- Print Area

Specifications

>>>> Important

• The following values may vary depending on the operating environment.

Printer

Power supply	100-240 V AC (50/60 Hz)
Power consumption	When printing: 59 W max. *1
	In Sleep mode: 3.6 W max. *1
	Standby (all ports connected): 3.6 W max.
	When power is off: 0.3 W max. *2
	*1 Wired LAN connection
	*2 The printer uses a trace amount of power even when turned off. To stop all power consumption, turn off the printer and unplug the power cord.
Operating environment	Temperature: 59 to 86 °F (15 to 30 °C)
	Humidity: 10 to 80 % RH (with no condensation)
Dimensions (W x D x H)	Printer only:
	Approx. 50.8 x 29.5 x 17.3 in. (1289 x 748 x 438 mm)
	Printer and Stand SD-33 (when opening the basket):
	Approx. 50.8 x 34.3 x 41.7 in. (1289 x 870 x 1059 mm)
	Actual basket shipped with printer device may vary according to region.
Weight	Printer only (without print head and ink tanks):
	Approx. 97 lb (44 kg)
	Printer and Stand SD-33 (without print head and ink tanks):
	Approx. 117 lb (53 kg)
Space for installation (W x D x	Printer only:
H)	Approx. 66.5 x 53.1 x 29.1 in. (1689 x 1348 x 738 mm)
	Printer and Stand SD-33 (when opening the basket):
	Approx. 66.5 x 57.9 x 53.6 in. (1689 x 1470 x 1359 mm)

Printing performance

Print method	Bubblejet
Maximum resolution	2400 dpi (horizontally) * x 1200 dpi (vertically) * Prints with a minimum 1/2400 inch dot pitch between ink droplets.
Print head	PF-06
Number of nozzles	MBK: 5120 nozzles, others: each 2560 nozzles

Memory

Memory

2 GB

Interface

You can use both USB and LAN at the same time.

You cannot use Wi-Fi and wired LAN at the same time.

USB	Hi-Speed USB * * To use Hi-Speed USB, your computer must support Hi-Speed USB. Addition- ally, the Hi-Speed USB interface is completely backward compatible with USB 1.1, so the printer can be connected even if the computer interface is USB 1.1.
LAN	Wired LAN: IEEE802.3ab (1000BASE-T) / IEEE802.3u (100BASE-TX) / IEEE802.3 (10BASE-T) Wi-Fi: IEEE802.11n / IEEE802.11g / IEEE802.11b

Network Specifications

Communication protocol	SNMP, HTTP, TCP/IP (IPv4/IPv6), FTP
Wired LAN specifications	Compliance standards: IEEE802.3ab (1000BASE-T) / IEEE802.3u (100BASE-TX) / IEEE802.3 (10BASE-T)
	Transmission speed: 10 Mbps / 100 Mbps / 1000 Mbps (automatically selec- ted)
	Security:IEEE802.1X (EAP-TLS/EAP-TTLS/PEAP)
Wi-Fi specifications	Compliance standards: IEEE802.11n / IEEE802.11g / IEEE802.11b
	Frequency range: 2.4 GHz
	Channels: 1-11 or 1-13 *
	* Varies by country and region.
	Effective range: Indoors 164 feet/50 m *
	* Varies according to environmental conditions.
	Security:
	WEP (64/128 bits)
	WPA-PSK (TKIP/AES)
	WPA2-PSK (TKIP/AES)
	Setup:
	WPS (push button method/PIN code method)
	Easy wireless connect

Operating Conditions

If operating conditions of the operating system are high, follow those.

Windows

Compatible Operating System (Stand- ard supplied printer driver)	32-bit version:
	Windows 10
	Windows 8.1
	Windows 7
	Use the latest Service Pack available.
	64-bit version:
	Windows 10
	Windows 8.1
	Windows 7
	Windows Server 2008 R2
	Windows Server 2012, Windows Server 2012 R2
	Windows Server 2016
	Windows Server 2019
	Use the latest Service Pack available.
Recommended operating environment *	CPU: Pentium 4 or later, or Athlon 64 or later processor
	Memory: 1 GB or more
	Free hard disk space: 20 GB or more

* Depending on the application software and data being used, the printer may not output correctly even with the above environmental conditions.

macOS

Compatible Operating System (Stand- ard supplied printer driver)	OS X 10.10.5 - OS X 10.11, macOS 10.12 - macOS 10.14
Recommended operating environment	CPU: Intel multi-core processor or later
* _	Memory: 2 GB or more
	Free hard disk space: 20 GB or more

* Depending on the application software and data being used, the printer may not output correctly even with the above environmental conditions.

- An Internet connection is required to use the Online Manual.
- To install the software while using Windows, you must have a CD-ROM drive or a network connection.
- To install the software while using macOS, you must have a network connection.

Ink

For information on the ink the printer supports, see Ink Tanks.

Paper

For details on the compatible media types, see Paper Information List.

Paper width	For details on the paper widths supported by the printer, see <u>Paper Sizes</u> .
Minimum paper length	Rolls: 8.00 in. (203.2 mm)
	Sheets: 11.00 in. (279.4 mm)
Maximum printable length	Rolls: 59 feet (18 m) *
	* Varies depending on the operating system or application.
	Sheets: 23.4 in. (594 mm)
Thickness	Rolls: 3-31 mil (0.07-0.8 mm)
	Sheets: 3-31 mil (0.07-0.8 mm)
Roll maximum outer diameter	5.9 in. (150 mm) or shorter
Supported paper core inner diam- eter	2.00 in./3.00 in. (50.8 mm/76.2 mm)
	Optional items are required depending on products.
Print area	For details about Print Area, see <u>Print Area</u> .

Print Area

A margin required by the printer is added with respect to the size of paper loaded in the printer. Except in borderless printing, the actual printing area corresponds to the paper size minus the space for this margin.

>>>> Note

- Printable Area: The area that can be printed.
- For borderless printing with roll paper, the margin is 0 in. (0 mm).

Printing without Edges Based on the Scenarios (Windows)

- Printing without Edges Based on the Scenarios (macOS)
- Recommended Print Area: We recommend printing within this area.
- To match the document size with the actual printing area, print on oversize paper with the required margin added.

Printing to Oversized Paper Sizes (Windows)

Printing to Oversized Paper Sizes (macOS)

Sheets

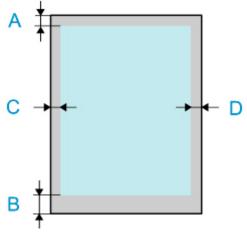
Printable Area:

A margin of 0.2 in. (3 mm) on top, 0.5 in. (12.7 mm) on bottom*, and 0.2 in. (3 mm) on left and right sides is required.

Recommended Print Area:

A margin of 0.8 in. (20 mm) on top, 0.8 in. (20 mm) on bottom*, and 0.2 in. (3 mm) on left and right sides is required.

* The bottom margin for cut sheet depends on an OS and applications.



A: Top Edge B: Bottom Edge C: Left Edge

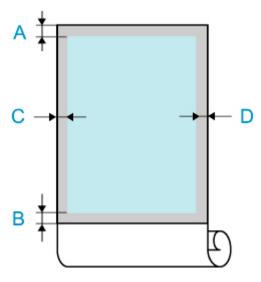
Rolls

Printable Area:

A margin of 0.2 in. (3 mm) on top and bottom and 0.2 in. (3 mm) on left and right sides is required. For borderless printing, the margins on top, bottom, left, and right are 0 in. (0 mm). For paper that supports borderless printing, see Paper Information List.

Recommended Print Area:

A margin of 0.8 in. (20 mm) on top, 0.2 in. (3 mm) on bottom, and 0.2 in. (3 mm) on left and right sides is required.



A: Top Edge

- B: Bottom Edge
- C: Left Edge
- D: Right Edge

Safety

- Safety Precautions
- Regulatory Information
- ► WEEE (EU&EEA)
- > When Repairing, Lending, or Disposing of the Printer

Safety Precautions

Choosing a location

- Never install the printer on an unstable or vibrating surface.
- Do not install the printer in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source.

To avoid the risk of fire or electric shocks, use the printer under the operating environment specified in the <u>Specifications</u>.

- Do not place the printer on a thick rug or carpet.
- Do not place the printer with its back attached to the wall.
- We recommend ensuring ample space for installation.
- Do not install the printer near sources of strong electromagnetic fields, whether equipment that generates such fields or places where such fields occur.

Power Supply

- Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord if necessary.
- Never remove the plug by pulling on the cord.
 Pulling the cord may damage the power cord, leading to possible fire or electrical shock.
- Do not use an extension lead/cord.

Working Around the Printer

- Never put your hands or fingers in the printer while it is printing.
- Firmly grasp the recesses on each side in the base and carrying handles at the rear side. Holding the printer at other positions is dangerous and cause injury and damage if the printer is dropped.
- Use the following number of people to hold the printer when transporting the printer by carrying it. The weight may cause pain such as back pain.
 For the TA-30 : 3 people or more
- When using and transferring the printer, do not tilt it, stand it on its side, or turn it upside down. There is a risk of the ink spilling.
- When transferring the printer tilted, always perform the steps in "<u>Preparing to Transfer the Printer</u>" in order to protect the internal structure.
- Do not place any object on the printer. Especially do not place metal objects (paper clips, staples, etc.) or containers of flammable solvents (alcohol, thinners, etc.) on top of the printer.

Print Heads/Ink Tanks/Maintenance Cartridges

- Keep ink tanks out of the reach of children. In case ink is accidentally licked or swallowed, rinse out mouth or give one or two glasses of water to drink. If irritation or discomfort occurs, obtain medical advice immediately.
- In case ink gets in contact with eyes, rinse with water immediately. In case ink gets in contact with skin, wash with soap and water immediately. If irritation to eyes or skin persists, obtain medical advice immediately.

- Never touch the electrical contacts on a print head after printing. The metal parts may be very hot and could cause burns.
- Do not throw ink tanks and maintenance cartridges into fire.
- Do not attempt to disassemble or modify the print head, ink tanks, and maintenance cartridges.
- Avoid dropping or shaking print head, ink tanks, and maintenance cartridges.

Regulatory Information

Users in the U.S.A.

FCC Notice (U.S.A. Only) For 120V, 60Hz model Model Number: K10502 (Contains FCC Approved WLAN Module K30357)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- · Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The equipment complies with FCC radiation exposure limits for at uncontrolled equipment. This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities: hands, wrists, feet and ankles) and must not be colocated or operated with any other antenna or transmitter.

Canon U.S.A., Inc. One Canon Park Melville, New York 11747 1-800-652-2666

Interference

Do not use the printer around medical equipment or other electronic devices. Signals from the printer may interfere with the correct operation of these devices.

WEEE (EU&EEA)

Only for European Union and EEA (Norway, Iceland and Liechtenstein)



These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU), the Battery Directive (2006/66/EC) and/or national legislation implementing those Directives. If a chemical symbol is printed beneath the symbol shown above, in accordance with the Battery Directive, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Battery Directive. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit www.canon-europe.com/weee, or www.canon-europe.com/battery.

Nur für Europäische Union und EWR (Norwegen, Island und Liechtenstein)



Diese Symbole weisen darauf hin, dass dieses Produkt gemäß WEEE-Richtlinie (2012/19/EU; Richtlinie über Elektro- und Elektronik-Altgeräte), Batterien-Richtlinie (2006/66/EG) und nationalen Gesetzen zur Umsetzung dieser Richtlinien nicht über den Hausmüll entsorgt werden darf. Falls sich unter dem oben abgebildeten Symbol ein chemisches Symbol befindet, bedeutet dies gemäß der Batterien-Richtlinie, dass in dieser Batterie oder diesem Akkumulator ein Schwermetall (Hg = Quecksilber, Cd = Cadmium, Pb = Blei) in einer Konzentration vorhanden ist, die über einem in der Batterien-Richtlinie angegebenen Grenzwert liegt. Dieses Produkt muss bei einer dafür vorgesehenen Sammelstelle abgegeben werden. Dies kann z. B. durch Rückgabe beim Kauf eines neuen ähnlichen Produkts oder durch Abgabe bei einer autorisierten Sammelstelle für die Wiederaufbereitung von Elektro- und Elektronik-Altgeräten sowie Batterien und Akkumulatoren geschehen. Der unsachgemäße Umgang mit Altgeräten kann aufgrund potenziell gefährlicher Stoffe, die generell mit Elektro- und Elektronik-Altgeräten in Verbindung stehen, negative Auswirkungen auf die Umwelt und die menschliche Gesundheit haben. Durch Ihre Mitarbeit bei der umweltgerechten Entsorgung dieses Produkts tragen Sie zu einer effektiven Nutzung natürlicher Ressourcen bei. Um weitere Informationen über die Wiederverwertung dieses Produkts zu erhalten, wenden Sie sich an Ihre Stadtverwaltung, den öffentlich-rechtlichen Entsorgungsträger, eine autorisierte Stelle für die Entsorgung von Elektro- und Elektronik-Altgeräten oder Ihr örtliches

Entsorgungsunternehmen oder besuchen Sie www.canon-europe.com/weee, oder www.canon-europe.com/battery.

Union Européenne, Norvège, Islande et Liechtenstein uniquement.



Ces symboles indiquent que ce produit ne doit pas être mis au rebut avec les ordures ménagères, comme le spécifient la Directive européenne DEEE (2012/19/UE), la Directive européenne relative à l'élimination des piles et des accumulateurs usagés (2006/66/CE) et les lois en vigueur dans votre pays appliquant ces directives. Si un symbole de toxicité chimique est imprimé sous le symbole illustré ci-dessus conformément à la Directive relative aux piles et aux accumulateurs, il indigue la présence d'un métal lourd (Hg = mercure, Cd = cadmium, Pb = plomb) dans la pile ou l'accumulateur à une concentration supérieure au seuil applicable spécifié par la Directive. Ce produit doit être confié au distributeur à chaque fois que vous achetez un produit neuf similaire, ou à un point de collecte mis en place par les collectivités locales pour le recyclage des Déchets des Équipements Électriques et Électroniques (DEEE). Le traitement inapproprié de ce type de déchet risque d'avoir des répercussions sur l'environnement et la santé humaine, du fait de la présence de substances potentiellement dangereuses généralement associées aux équipements électriques et électroniques. Votre entière coopération dans le cadre de la mise au rebut correcte de ce produit favorisera une meilleure utilisation des ressources naturelles. Pour plus d'informations sur le recyclage de ce produit, contactez vos services municipaux, votre écoorganisme ou les autorités locales compétentes, ou consultez le site www.canon-europe.com/weee, ou www.canon-europe.com/battery.

Uitsluitend bestemd voor de Europese Unie en EER (Noorwegen, IJsland en Liechtenstein)



Met deze symbolen wordt aangegeven dat dit product in overeenstemming met de AEEA-richtlijn (2012/19/EU), de richtlijn 2006/66/EG betreffende batterijen en accu's en/of de plaatselijk geldende wetgeving waarin deze richtlijnen zijn geïmplementeerd, niet bij het normale huisvuil mag worden weggegooid. Indien onder het hierboven getoonde symbool een chemisch symbool gedrukt staat, geeft dit in overeenstemming met de richtlijn betreffende batterijen en accu's aan dat deze batterij of accu een zwaar metaal bevat (Hg = kwik, Cd = cadmium, Pb = lood) waarvan de concentratie de toepasselijke drempelwaarde in overeenstemming met de genoemde richtlijn overschrijdt. Dit product dient te worden ingeleverd bij een hiervoor aangewezen inzamelpunt, bijv. door dit in te leveren bij een hiertoe erkend verkooppunt bij aankoop van een gelijksoortig product, of bij een officiële inzameldienst voor de recycling van elektrische en elektronische apparatuur (EEA) en batterijen en accu's. Door de potentieel gevaarlijke stoffen die gewoonlijk gepaard gaan met EEA, kan onjuiste verwerking van dit type afval mogelijk nadelige gevolgen hebben voor het milieu en de menselijke gezondheid. Uw medewerking bij het op juiste wijze weggooien van dit product draagt bij tot effectief gebruik van natuurlijke hulpbronnen. Voor verdere informatie over recycling van dit product kunt u contact opnemen met uw plaatselijke gemeente,

afvaldienst, officiële dienst voor klein chemisch afval of afvalstortplaats, of kunt u terecht op www.canoneurope.com/weee, of www.canon-europe.com/battery.

Sólo para la Unión Europea y el Área Económica Europea (Noruega, Islandia y Liechtenstein)



Estos iconos indican que este producto no debe desecharse con los residuos domésticos de acuerdo con la Directiva sobre RAEE (2012/19/UE) y la Directiva sobre Pilas y Acumuladores (2006/66/CE) y/o la legislación nacional. Si aparece un símbolo químico bajo este icono, de acuerdo con la Directiva sobre Pilas y Acumuladores, significa que la pila o el acumulador contiene metales pesados (Hg = Mercurio, Cd = Cadmio, Pb = Plomo) en una concentración superior al límite especificado en dicha directiva. Este producto deberá entregarse en un punto de recogida designado, por ejemplo, entregándolo en el lugar de venta al adquirir un producto nuevo similar o en un centro autorizado para la recogida de residuos de aparatos eléctricos y electrónicos (RAEE), baterías y acumuladores. La gestión incorrecta de este tipo de residuos puede afectar al medio ambiente y a la salud humana debido a las sustancias potencialmente nocivas que suelen contener estos aparatos. Su cooperación en la correcta eliminación de este producto contribuirá al correcto aprovechamiento de los recursos naturales. Los usuarios tienen derecho a devolver pilas, acumuladores o baterías usados sin coste alguno. El precio de venta de pilas, acumuladores y baterías incluye el coste de la gestión medioambiental de su desecho, y no es necesario mostrar la cuantía de dicho coste en la información y la factura suministradas a los usuarios finales. Si desea más información sobre el reciclado de este producto, póngase en contacto con su municipio, el servicio o el organismo encargado de la gestión de residuos domésticos o visite www.canon-europe.com/ weee, o www.canon-europe.com/battery.

Només per a la Unió Europea i a l'Espai Econòmic Europeu (Noruega, Islàndia i Liechtenstein)



Aquests símbols indican que aquest producte no s'ha de llençar amb les escombraries de la llar, d'acord amb la RAEE (2012/19/UE), la Directiva relativa a piles i acumuladors (2006/66/CE) i la legislació nacional que implementi aquestes directives. Si al costat d'aquest símbol hi apareix imprès un símbol químic, segons especifica la Directiva relativa a piles i acumuladors, significa que la bateria o l'acumulador conté un metall pesant (Hg = mercuri, Cd = cadmi, Pb = plom) en una concentració superior al límit aplicable especificat en la Directiva. Aquest producte s'hauria de lliurar en un dels punts de recollida designats, com per exemple, intercanviant un per un en comprar un producte similar o lliurant-lo en un lloc de recollida autoritzat per al reciclatge de residus d'aparells elèctrics i electrònics (RAEE) i piles i acumuladors. La manipulació inadequada d'aquest tipus de residus podria tenir un impacte negatiu en l'entorn i en la salut humana, a causa de les substàncies potencialment perilloses que normalment estan associades a l'RAEE. La vostra cooperació a l'hora de rebutjar correctament aquest producte contribuirà a la utilització efectiva dels recursos naturals. Els usuaris tenen dret a retornar les bateries o els

acumuladors usats sense cap càrrec. El preu de venda de les bateries i els acumuladors inclou el cost de la gestió ambiental dels residus i no es necessari mostrar l'import d'aquest cost en aquest fullet o en la factura que es lliuri a l'usuari final. Per a més informació sobre el reciclatge d'aquest producte, contacteu amb l'oficina municipal, les autoritats encarregades dels residus, el pla de residus homologat o el servei de recollida d'escombraries domèstiques de la vostra localitat o visiteu www.canon-europe.com/weee, o www.canon-europe.com/battery.

Solo per Unione Europea e SEE (Norvegia, Islanda e Liechtenstein)



Questi simboli indicano che il prodotto non può essere smaltito con i rifiuti domestici, ai sensi della Direttiva RAEE (2012/19/UE), della Direttiva sulle Batterie (2006/66/CE) e/o delle leggi nazionali che attuano tali Direttive. Se sotto il simbolo indicato sopra è riportato un simbolo chimico, in osservanza della Direttiva sulle batterie, tale simbolo indica la presenza di un metallo pesante (Hg = Mercurio, Cd = Cadmio, Pb = Piombo) nella batteria o nell'accumulatore con un livello di concentrazione superiore a una soglia applicabile specificata nella Direttiva sulle batterie. Il prodotto deve essere conferito a un punto di raccolta designato, ad esempio il rivenditore in caso di acquisto di un nuovo prodotto simile oppure un centro di raccolta autorizzato per il riciclaggio di rifiuti di apparecchiature elettriche ed elettroniche (RAEE) nonché di batterie e accumulatori. Un trattamento improprio di guesto tipo di rifiuti può avere conseguenze negative sull'ambiente e sulla salute umana a causa delle sostanze potenzialmente nocive solitamente contenute in tali rifiuti. La collaborazione dell'utente per il corretto smaltimento di questo prodotto contribuirà a un utilizzo efficace delle risorse naturali ed eviterà di incorrere in sanzioni amministrative ai sensi dell'art. 255 e successivi del Decreto Legislativo n. 152/06. Per ulteriori informazioni sul riciclaggio di questo prodotto, contattare le autorità locali, l'ente responsabile della raccolta dei rifiuti, un rivenditore autorizzato o il servizio di raccolta dei rifiuti domestici, oppure visitare il sito www.canon-europe.com/weee, o www.canon-europe.com/battery.

Apenas para a União Europeia e AEE (Noruega, Islândia e Liechtenstein)



Estes símbolos indicam que este produto não deve ser eliminado juntamente com o seu lixo doméstico, segundo a Diretiva REEE de 2012/19/UE, a Diretiva de Baterias (2006/66/CE) e/ou a sua legislação nacional que transponha estas Diretivas. Se houver um símbolo químico impresso como mostrado abaixo, de acordo com a Diretiva de Baterias, isto indica que um metal pesado (Hg = Mercúrio, Cd = Cádmio, Pb = Chumbo) está presente nesta pilha ou acumulador, numa concentração acima de um limite aplicável especificado na Diretiva. Este produto deve ser entregue num ponto de recolha designado, por exemplo num local autorizado de troca quando compra um equipamento novo idêntico, ou num local de recolha autorizado para reciclar equipamento elétrico e eletrónico (EEE) em fim de vida, bem como pilhas e baterias. O tratamento inadequado deste tipo de resíduos pode ter um impacto negativo no ambiente e na saúde humana, devido a substâncias potencialmente perigosas que estão associadas com

equipamentos do tipo EEE. A sua cooperação no tratamento correto deste produto irá contribuir para a utilização mais eficaz dos recursos naturais. Para obter mais informações acerca de como reciclar este produto, por favor contacte as suas autoridades locais responsáveis pela matéria, serviço de recolha aprovado para pilhas e baterias ou serviço de recolha de resíduos sólidos domésticos da sua municipalidade, ou visite www.canon-europe.com/weee, ou www.canon-europe.com/battery.

Gælder kun i Europæiske Union og EØS (Norge, Island og Liechtenstein)



Disse symboler betyder, at produktet ikke må bortskaffes sammen med dagrenovation i henhold til WEEE-direktivet (2012/19/EU), batteridirektivet (2006/66/EF) og/eller den lokale lovgivning, som disse direktiver er gennemført i. Hvis der i overensstemmelse med batteridirektivet er trykt et kemisk symbol under det symbol, der er vist ovenfor, betyder det, at batteriet eller akkumulatoren indeholder tungmetaller (Hg = kviksølv, Cd = cadmium, Pb = bly) i en koncentration, som ligger over de grænseværdier, der er beskrevet i batteridirektivet. Produktet skal afleveres på et godkendt indsamlingssted, f.eks. i overensstemmelse med en godkendt én-til-én-procedure, når du indkøber et nyt tilsvarende produkt, eller på et godkendt indsamlingssted for elektronikaffald samt for batterier og akkumulatorer. Forkert håndtering af denne type affald kan medføre negative konsekvenser for miljøet og menneskers helbred på grund af de potentielt sundhedsskadelige stoffer, der generelt kan forefindes i elektrisk og elektronisk udstyr. Når du foretager korrekt bortskaffelse af produktet, bidrager du til effektiv brug af naturressourcerne. Kontakt din kommune, den lokale affaldsmyndighed, det lokale affaldsanlæg, eller besøg www.canon-europe.com/weee, eller www.canon-europe.com/battery for at få flere oplysninger om genbrug af dette produkt.

Μόνο για την Ευρωπαϊκή Ένωση και τον ΕΟΧ (Νορβηγία, Ισλανδία και Λιχτενστάιν)



Αυτά τα σύμβολα υποδεικνύουν ότι αυτό το προϊόν δεν πρέπει να απορρίπτεται μαζί με τα οικιακά απορρίμματα, σύμφωνα με την Οδηγία για τα Απόβλητα Ηλεκτρικού και Ηλεκτρονικού Εξοπλισμού (AHHE) (2012/19/EE), την Οδηγία για τις Ηλεκτρικές Στήλες (2006/66/EK) ή/και την εθνική νομοθεσία που εφαρμόζει τις Οδηγίες εκείνες. Εάν κάποιο χημικό σύμβολο είναι τυπωμένο κάτω από το σύμβολο που φαίνεται παραπάνω, σύμφωνα με την Οδηγία για τις Ηλεκτρικές Στήλες (χυθό/66/EK) ή/και την εθνική νομοθεσία που εφαρμόζει τις Οδηγίες εκείνες. Εάν κάποιο χημικό σύμβολο είναι τυπωμένο κάτω από το σύμβολο που φαίνεται παραπάνω, σύμφωνα με την Οδηγία για τις Ηλεκτρικές Στήλες, υποδηλώνει ότι κάποιο βαρύ μέταλλο (Hg = Υδράργυρος, Cd = Κάδμιο, Pb = Μόλυβδος) υπάρχει στην μπαταρία ή τον συσσωρευτή σε συγκέντρωση μεγαλύτερη από το ισχύον επίπεδο που καθορίζεται στην Οδηγία για τις Ηλεκτρικές Στήλες. Αυτό το προϊόν πρέπει να παραδίδεται σε καθορισμένο σημείο συλλογής, π.χ. σε μια εξουσιοδοτημένη βάση ανταλλαγής όταν αγοράζετε ένα νέο παρόμοιο προϊόν ή σε μια εξουσιοδοτημένη θέση συλλογής για την ανακύκλωση των αποβλήτων ηλεκτρικού και ηλεκτρονικού εξοπλισμού (HHE) και των ηλεκτρικών στηλών και συσσωρευτών. Ο ακατάλληλος χειρισμός αυτού του τύπου αποβλήτων μπορεί να έχει αρνητικό αντίκτυπο στο περιβάλλον και την υγεία του ανθρώπου, λόγω δυνητικά επικίνδυνων ουσιών που

γενικά συνδέονται με τον ΗΗΕ. Η συνεργασία σας για τη σωστή απόρριψη αυτού του προϊόντος θα συμβάλει στην αποτελεσματική χρήση των φυσικών πόρων. Για περισσότερες πληροφορίες σχετικά με ανακύκλωση αυτού του προϊόντος, επικοινωνήστε με το τοπικό γραφείο της πόλης σας, την υπηρεσία απορριμμάτων, το εγκεκριμένο σχήμα ή την υπηρεσία απόρριψης οικιακών αποβλήτων ή επισκεφθείτε τη διεύθυνση www.canon-europe.com/weee ή www.canon-europe.com/battery.

Gjelder kun den europeiske union og EØS (Norge, Island og Liechtenstein)



Disse symbolene indikerer at dette produktet ikke skal kastes sammen med husholdningsavfall, i henhold til WEEE-direktivet (2012/19/EU), batteridirektivet (2006/66/EF) og/eller nasjonal lov som har implementert disse direktivene. Hvis et kjemisk symbol vises under symbolet vist ovenfor, i samsvar med batteridirektivet, indikerer dette at et tungmetall (Hg = kvikksølv, Cd = kadmium, Pb = bly) finnes i batteriet eller akkumulatoren i en konsentrasjon over en gjeldende øvre grense som er spesifisert i batteridirektivet. Produktet må leveres til et dertil egnet innsamlingspunkt, det vil si på en autorisert en-til-en-basis når en kjøper et nytt lignende produkt, eller til et autorisert innsamlingssted for resirkulering av avfall fra elektrisk og elektronisk utstyr (EE-utstyr) og batterier og akkumulatorer. Feil håndtering av denne typen avfall kan være miljø- og helseskadelig på grunn av potensielt skadelige stoffer som ofte brukes i EE-utstyr. Din innsats for korrekt avhending av produktet vil bidra til effektiv bruk av naturressurser. Du kan få mer informasjon om resirkulering av dette produktet ved å kontakte lokale myndigheter, avfallsadministrasjonen, et godkjent program eller husholdningens renovasjonsselskap, eller gå til www.canon-europe.com/weee, eller www.canon-europe.com/battery.

Vain Euroopan unionin sekä ETA:n (Norja, Islanti ja Liechtenstein) alueelle.



Nämä tunnukset osoittavat, että sähkö- ja elektroniikkalaiteromua koskeva direktiivi (SER-direktiivi, 2012/19/EU), paristoista ja akuista annettu direktiivi (2006/66/EY) sekä kansallinen lainsäädäntö kieltävät tuotteen hävittämisen talousjätteen mukana. Jos yllä olevan symbolin alapuolelle on paristodirektiivin mukaisesti painettu kemiallisen aineen tunnus, kyseinen paristo tai akku sisältää raskasmetalleja (Hg = elohopea, Cd = kadmium, Pb = lyijy) enemmän kuin paristodirektiivin salliman määrän. Tuote on vietävä asianmukaiseen keräyspisteeseen, esimerkiksi kodinkoneliikkeeseen uutta vastaavaa tuotetta ostettaessa tai viralliseen sähkö- ja elektroniikkalaiteromun tai paristojen ja akkujen keräyspisteeseen. Sähkö- ja kittämäinen säästää myös luonnonvaroja. Jos haluat lisätietoja tämän tuotteen kierrätyksestä, ota yhteys kunnan jätehuoltoviranomaisiin tai käyttämääsi jätehuoltoyhtiöön tai käy osoitteessa www.canon-europe.com/weee, tai www.canon-europe.com/battery.

Endast för Europeiska unionen och EES (Norge, Island och Liechtenstein)



De här symbolerna visar att produkten inte får sorteras och slängas som hushållsavfall enligt WEEEdirektivet (2012/19/EU), batteridirektivet (2006/66/EG) och/eller nationell lagstiftning som implementerar dessa direktiv. Om en kemisk symbol förekommer under ovanstående symbol innebär detta enligt Batteridirektivet att en tungmetall (Hg = Kvicksilver, Cd = Kadmium, Pb = Bly) förekommer i batteriet eller ackumulatorn med en koncentration som överstiger tillämplig gräns som anges i Batteridirektivet. Produkten ska lämnas in på en avsedd insamlingsplats, t.ex. på en återvinningsstation auktoriserad att hantera elektrisk och elektronisk utrustning (EE-utrustning) samt batterier och ackumulatorer eller hos handlare som är auktoriserade att byta in varor då nya, motsvarande köps (en mot en). Olämplig hantering av avfall av den här typen kan ha negativ inverkan på miljön och människors hälsa på grund av de potentiellt farliga ämnen som kan återfinnas i elektrisk och elektronisk utrustning. Din medverkan till en korrekt avfallshantering av produkten bidrar till effektiv användning av naturresurserna. Om du vill ha mer information om var du kan lämna in den här produkten, kontakta ditt lokala kommunkontor, berörd myndighet eller företag för avfallshantering eller se www.canon-europe.com/weee, eller www.canoneurope.com/battery.

Pouze Evropská unie a EHP (Norsko, Island a Lichtenštejnsko)



Tento symbol znamená, že podle směrnice OEEZ (2012/19/EU), směrnice o bateriích (2006/66/ES) a/ nebo podle vnitrostátních právních prováděcích předpisů k těmto směrnicím nemá být tento výrobek likvidován s odpadem z domácností. Je-li v souladu s požadavky směrnice o bateriích vytištěna pod výše uvedeným symbolem chemická značka, udává, že tato baterie nebo akumulátor obsahuje těžké kovy (Hg = rtuť, Cd = kadmium, Pb = olovo) v koncentraci vyšší, než je příslušná hodnota předepsaná směrnicí. Tento výrobek má být vrácen do určeného sběrného místa, např. v rámci autorizovaného systému odběru jednoho výrobku za jeden nově prodaný podobný výrobek, nebo do autorizovaného sběrného místa pro recyklaci odpadních elektrických a elektronických zařízení (OEEZ), baterií a akumulátorů. Nevhodné nakládání s tímto druhem odpadu by mohlo mít negativní dopad na životní prostředí a lidské zdraví, protože elektrická a elektronická zařízení zpravidla obsahují potenciálně nebezpečné látky. Vaše spolupráce na správné likvidaci tohoto výrobku napomůže efektivnímu využívání přírodních zdrojů. Chcete-li získat podrobné informace týkající se recyklace tohoto výrobku, obraťte se prosím na místní úřad, orgán pro nakládání s odpady, schválený systém nakládání s odpady či společnost zajišťující likvidaci domovního odpadu, nebo navštivte webové stránky www.canon-europe.com/weee nebo www.canon-europe.com/battery.

Csak az Európai Unió és az EGT (Norvégia, Izland és Liechtenstein) országaiban



Ezek a szimbólumok azt jelzik, hogy a termék hulladékkezelése a háztartási hulladéktól különválasztva, az elektromos és elektronikus berendezések hulladékairól (WEEE) szóló (2012/19/EU) irányelvnek és az elemekről és akkumulátorokról, valamint a hulladék elemekről és akkumulátorokról szóló (2006/66/EK) irányelvnek megfelelően és/vagy ezen irányelveknek megfelelő helyi előírások szerint történik. Amennyiben a fent feltüntetett szimbólum alatt egy vegyjel is szerepel, az elemekről és akkumulátorokról szóló irányelvben foglaltak értelmében ez azt jelzi, hogy az elem vagy az akkumulátor az irányelvben meghatározott határértéknél nagyobb mennyiségben tartalmaz nehézfémet (Hg = higany, Cd = kadmium, Pb = ólom). E terméket az arra kijelölt gyűjtőhelyre kell juttatni – pl. hasonló termék vásárlásakor a régi becserélésére vonatkozó hivatalos program keretében, vagy az elektromos és elektronikus berendezések (EEE) hulladékainak gyűjtésére, valamint a hulladék elemek és hulladék akkumulátorok gyűjtésére kijelölt hivatalos gyűjtőhelyre. Az ilyen jellegű hulladékok nem előírásszerű kezelése az elektromos és elektronikus berendezésekhez (EEE) általánosan kapcsolható potenciálisan veszélyes anyagok révén hatással lehet a környezetre és az egészségre. E termék megfelelő leselejtezésével Ön is hozzájárul a természeti források hatékony használatához. A termék újrahasznosítását illetően informálódjon a helyi polgármesteri hivatalnál, a helyi közterület-fenntartó vállalatnál, a hivatalos hulladéklerakó telephelyen vagy a háztartási hulladék begyűjtését végző szolgáltatónál, illetve látogasson el a www.canoneurope.com/weee, vagy www.canon-europe.com/battery internetes oldalra.

Tylko dla krajów Unii Europejskiej oraz EOG (Norwegia, Islandia i Liechtenstein)



Te symbole oznaczają, że produktu nie należy wyrzucać razem z odpadami gospodarstwa domowego, zgodnie z dyrektywą WEEE w sprawie zużytego sprzętu elektrycznego i elektronicznego (2012/19/UE) lub dyrektywą w sprawie baterii (2006/66/WE) bądź przepisami krajowymi wdrażającymi te dyrektywy. Jeśli pod powyższym symbolem znajduje się symbol chemiczny, zgodnie z dyrektywą w sprawie baterii oznacza to, że bateria lub akumulator zawiera metal ciężki (Hg = rtęć, Cd = kadm, Pb = ołów) w stężeniu przekraczającym odpowiedni poziom określony w dyrektywie w sprawie baterii. Użytkownicy baterii i akumulatorów mają obowiązek korzystać z dostępnego programu zwrotu, recyklingu i utylizacji baterii oraz akumulatorów. Niewłaściwe postępowanie z tego typu odpadami może mieć wpływ na środowisko i zdrowie ludzi ze względu na substancje potencjalnie niebezpieczne, związane ze zużytym sprzętem elektrycznym i elektronicznym. Państwa współpraca w zakresie właściwej utylizacji tego produktu przyczyni się do efektywnego wykorzystania zasobów naturalnych. W celu uzyskania informacji o sposobie recyklingu tego produktu prosimy o kontakt z właściwym urzędem miejskim lub zakładem gospodarki komunalnej bądź zapraszamy na stronę www.canon-europe.com/weee, lub www.canoneurope.com/battery.

Platí len pre štáty Európskej únie a EHP (Nórsko, Island a Lichtenštajnsko)



Tieto symboly označujú, že podľa Smernice o odpade z elektrických a elektronických zariadení (OEEZ) 2012/19/EÚ, Smernice o batériách (2006/66/ES) a podľa platnej legislatívy Slovenskej republiky sa tento produkt nesmie likvidovať spolu s komunálnym odpadom. Ak je chemická značka vytlačená pod vyššie uvedeným symbolom, znamená to, že táto batéria alebo akumulátor obsahuje ťažký kov (Hg = ortuť, Cd = kadmium, Pb = olovo) v koncentrácii vyššej, ako je príslušná povolená hodnota stanovená v Smernici o batériách. Produkt je potrebné odovzdať do určenej zberne, napr. prostredníctvom výmeny za kúpu nového podobného produktu, alebo na autorizované zberné miesto, ktoré spracúva odpad z elektrických a elektronických zariadení (EEZ), batérií a akumulátorov. Nesprávna manipulácia s takýmto typom odpadu môže mať negatívny vplyv na životné prostredie a ľudské zdravie, pretože elektrické a elektronické zariadenia obsahujú potenciálne nebezpečné látky. Spoluprácou na správnej likvidácii tohto produktu prispejete k účinnému využívaniu prírodných zdrojov. Ďalšie informácie o recyklácii tohto produktu získate od miestneho úradu, úradu životného prostredia, zo schváleného plánu OEEZ alebo od spoločnosti, ktorá zaisťuje likvidáciu komunálneho odpadu. Viac informácií nájdete aj na webovej stránke: www.canon-europe.com/weee, alebo www.canon-europe.com/battery.

Üksnes Euroopa Liit ja EMP (Norra, Island ja Liechtenstein)



Antud sümbolid viitavad sellele, et vastavalt elektri- ja elektroonikaseadmete jäätmeid käsitlevale direktiivile (2012/19/EL), patareisid ja akusid ning patarei- ja akujäätmeid käsitlevale direktiivile (2006/66/EÜ) ja/või nimetatud direktiive rakendavatele riiklikele õigusaktidele ei või seda toodet koos olmejäätmetega ära visata. Kui keemiline sümbol on trükitud eespool toodud sümboli alla, siis tähendab see, et antud patareis või akus leiduva raskemetalli (Hg = elavhõbe, Cd = kaadmium, Pb = plii) kontsentratsioonitase on kõrgem kui patareisid ja akusid ning patarei- ja akujäätmeid käsitlevas direktiivis sätestatud piirmäär. Antud tootest tekkinud jäätmed tuleb anda vastavasse kogumispunkti, nt müügipunkti, mis on volitatud üks ühe vastu vahetama, kui ostate uue sarnase toote, või vastavasse elektri- ja lektroonikaseadmete jäätmete ning patareide ja akude ümbertöötlemiseks mõeldud kogumispunkti. Antud liiki jäätmete vale käitlemine võib kahjustada keskkonda ja inimeste tervist elektri- ja elektroonikajäätmetes tavaliselt leiduvate potentsiaalselt ohtlike ainete tõttu. Antud tootest tekkinud jäätmete nõuetekohase kõrvaldamisega aitate kasutada loodusvarasid efektiivselt. Täiendava teabe saamiseks elektri- ja elektroonikaseadmetest tekkinud jäätmete ning patarei- ja akujäätmete tagastamise ja ümbertöötlemise kohta võtke ühendust kohaliku omavalitsusega, asjakohase valitsusasutusega, asjakohase tootjavastutusorganisatsiooniga või olmejäätmete käitlejaga. Lisateavet leitate ka Internetileheküljelt www.canon-europe.com/weee või www.canon-europe.com/battery.

Tikai Eiropas Savienībai un EEZ (Norvēģijai, Islandei un Lihtenšteinai)



Šie simboli norāda, ka atbilstoši ES Direktīvai (2012/19/ES) par elektrisko un elektronisko iekārtu atkritumiem (EEIA), Direktīvai (2006/66/EK) par baterijām un akumulatoriem, un akumulatoru atkritumiem, ar ko atceļ Direktīvu 91/157/EEK, un vietējiem tiesību aktiem šo izstrādājumu nedrīkst izmest kopā ar sadzīves atkritumiem. Ja zem iepriekš norādītā simbola ir uzdrukāts kīmiskais simbols, saskanā ar direktīvu par baterijām un akumulatoriem tas nozīmē, ka šīs baterijas vai akumulatori satur smagos metālus (Hg = dzīvsudrabs, Cd = kadmijs, Pb = svins) un to koncentrācijas līmenis pārsniedz direktīvā par baterijām un akumulatoriem minēto piemērojamo slieksni. Šis izstrādājums ir jānodod piemērotā savākšanas vietā, piemēram, apstiprinātā veikalā, kur iegādājaties līdzīgu jaunu produktu un atstājat veco, vai apstiprinātā vietā izlietotu elektrisko un elektronisko iekārtu un bateriju un akumulatoru pārstrādei. Nepareiza šāda veida atkritumu apsaimniekošana var apdraudēt vidi un cilvēka veselību tādu iespējami bīstamu vielu dēļ, kas parasti ir elektriskajās un elektroniskajās iekārtās. Jūsu atbalsts pareizā šāda veida atkritumu apsaimniekošanā sekmēs efektīvu dabas resursu izmantošanu. Lai sanemtu pilnīgāku informāciju par šāda veida izstrādājumu nodošanu otrreizējai pārstrādei, sazinieties ar vietējo pašvaldību, atkritumu savākšanas atbildīgo dienestu, pilnvaroto organizāciju vai iestādi, kas veic sadzīves atkritumu apsaimniekošanu, vai apmeklējiet tīmekla vietni www.canon-europe.com/weee, vai www.canoneurope.com/battery.

Tik Europos Sąjungai ir EEE (Norvegijai, Islandijai ir Lichtenšteinui)



Šie simboliai reiškia, kad šio gaminio negalima išmesti į buitines atliekas, kaip reikalaujama WEEE Direktyvoje (2012/19/ES) ir Baterijų direktyvoje (2006/66/EB) ir (ar) jūsų šalies nacionaliniuose įstatymuose, kuriais šios Direktyvos yra įgyvendinamos. Jeigu cheminio ženklo simbolis yra nurodytas žemiau šio ženklo, tai reiškia, kad vadovaujantis Baterijų direktyvą, baterijų ar akumuliatorių sudėtyje yra sunkiųjų metalų (Hg = gyvsidabrio, Cd = kadmio, Pb = švino), kurių koncentracija viršija Baterijų direktyvoje nurodytas leistinas ribas. Šį gaminį reikia pristatyti į specialųjį surinkimo punktą, pavyzdžiui, mainais, kai jūs perkate naują panašų gaminį, arba į specialiąją surinkimo vietą, kurioje perdirbamos elektrinės ir elektroninės įrangos atliekos bei naudotos baterijos ir akumuliatoriai. Dėl netinkamo šio tipo atliekų tvarkymo gali nukentėti aplinka ir iškilti grėsmė žmogaus sveikatai dėl galimai kenksmingų medžiagų, iš esmės susijusių su elektrine ir elektronine įranga. Bendradarbiaudami ir teisingai utilizuodami šiuos gaminius, jūs padėsite efektyviai naudoti gamtinius išteklius. Daugiau informacijos apie gaminio perdirbimą jums gali suteikti vietinis biuras, atliekų tvarkymo bendrovė, sertifikuoti organai ar buitinių atliekų surinkimo įmonės. Taip pat siūloma apsilankyti interneto svetainėje www.canoneurope.com/weee, arba www.canon-europe.com/battery.

Samo za Evropsko unijo in EGP (Norveška, Islandija in Lihtenštajn)



Ti simboli pomenijo, da tega izdelka skladno z Direktivo OEEO (2012/19/EU), Direktivo 2006/66/ES in/ali nacionalno zakonodajo, ki uvaja ti direktivi, ne smete odlagati z nesortiranimi gospodinjskimi odpadki. Če je pod zgoraj prikazanim simbolom natisnjen kemijski simbol, to v skladu z Direktivo pomeni, da je v tej bateriji ali akumulatorju prisotna težka kovina (Hg = živo srebro, Cd = kadmij, Pb = svinec), in sicer v koncentraciji, ki je nad relevantno mejno vrednostjo, določeno v Direktivi. Ta izdelek je potrebno odnesti na izbrano zbirno mesto, t. j. pooblaščeno trgovino, kjer ob nakupu novega (podobnega) izdelka vrnete starega, ali na pooblaščeno zbirno mesto za ponovno uporabo odpadne električne in elektronske opreme (EEO) ter baterij in akumulatorjev. Neustrezno ravnanje s to vrsto odpadkov lahko negativno vpliva na okolje in človeško zdravje zaradi potencialno nevarnih snovi, ki so pogosto povezane z EEO. Vaše sodelovanje pri pravilnem odlaganju tega izdelka predstavlja pomemben prispevek k smotrni izrabi naravnih virov. Za več informacij o ponovni uporabi tega izdelka se obrnite na lokalen mestni urad, pristojno službo za odpadke, predstavnika pooblaščenega programa za obdelavo odpadkov ali na lokalno komunalo. Lahko pa tudi obiščete našo spletno stran www.canon-europe.com/weee, ali www.canon-europe.com/battery.

Само за Европейския съюз и ЕИП (Норвегия, Исландия и Лихтенщайн)



Тези символи показват, че този продукт не трябва да се изхвърля заедно с битовите отпадъци съгласно Директивата за ИУЕЕО (2012/19/ЕС), Директивата за батерии (2006/66/ЕО) и/или Вашето национално законодателство, прилагащо тези Директиви. Ако под показания горе символ е отпечатан символ за химически елемент, съгласно разпоредбите на Директивата за батерии, този втори символ означава наличието на тежък метал (Hg = живак, Cd = кадмий, Pb = олово) в батерията или акумулатора в концентрация над указаната граница за съответния елемент в Директивата. Този продукт трябва да бъде предаден в предназначен за целта пункт за събиране, например на база размяна, когато купувате нов подобен продукт, или в одобрен събирателен пункт за рециклиране на излязло от употреба електрическо и електронно оборудване (ИУЕЕО), батерии и акумулатори. Неправилното третиране на този тип отпадъци може да доведе до евентуални отрицателни последствия за околната среда и човешкото здраве поради потенциално опасните вещества, които обикновено са свързани с ЕЕО. В същото време Вашето съдействие за правилното изхвърляне на този продукт ще допринесе за ефективното използване на природните ресурси. За повече информация относно това къде можете да предадете за рециклиране на този продукт, моля свържете се с Вашите местни власти, с органа, отговорен за отпадъците, с одобрената система за ИУЕЕО или с Вашата местна служба за битови отпадъци, или посетете www.canon-europe.com/weee, или www.canon-europe.com/battery.

Doar pentru Uniunea Europeană și EEA (Norvegia, Islanda și Liechtenstein)



Aceste simboluri indică faptul că acest produs nu trebuie aruncat împreună cu deşeurile menajere, în conformitate cu Directiva DEEE (2012/19/UE), Directiva referitoare la baterii (2006/66/CE) şi/sau legile dvs. naţionale ce implementează aceste Directive. Dacă un simbol chimic este imprimat sub simbolul de mai sus, în conformitate cu Directiva referitoare la baterii, acest simbol indică prezenţa în baterie sau acumulator a unui metal greu (Hg = Mercur, Cd = Cadmiu, Pb = Plumb) într-o concentraţie mai mare decât pragul admis specificat în Directiva referitoare la baterii. Acest produs trebuie înmânat punctului de colectare adecvat, ex: printr-un schimb autorizat unu la unu atunci când cumpăraţi un produs nou similar sau la un loc de colectare autorizat pentru reciclarea reziduurilor de echipament electric şi electronic (EEE) şi baterii şi acumulatori. Administrarea neadecvată a acestui tip de deşeuri, ar putea avea un impact asupra mediului şi asupra sănătăţii umane datorită substanţelor cu potenţial de risc care sunt în general asociate cu EEE. Cooperarea dvs. în direcţia reciclării corecte a acestui produs va contribui la o utilizare eficientă a resurselor naturale. Pentru mai multe informaţii despre reciclarea acestui produs, vă rugăm să contactaţi biroul dvs. local, autorităţile responsabile cu deşeurile, schema aprobată sau serviciul dvs. responsabil cu deşeurile menajere sau vizitaţi-ne la www.canon-europe.com/weee, sau www.canon-europe.com/battery.

Samo za Europsku uniju i EEA (Norveška, Island i Lihtenštajn)



Oznaka pokazuje da se ovaj proizvod ne smije odlagati s komunalnim i ostalim vrstama otpada, u skladu s direktivom WEEE (2012/19/EC), Direktivom o baterijama (2006/66/EC) i Pravilnikom o gospodarenju otpadnim baterijama i akumulatorima te Pravilnikom o gospodarenju otpadnim električnim i elektroničkim uređajima i opremom. Ako je ispod prethodno prikazane oznake otisnut kemijski simbol, u skladu s Direktivom o baterijama, to znači da se u ovoj bateriji ili akumulatoru nalazi teški metal (Hg = živa, Cd = kadmij, Pb = olovo) i da je njegova koncentracija iznad razine propisane u Direktivi o baterijama. Ovaj bi proizvod trebalo predati ovlašenom skupljaču EE otpada ili prodavatelju koji je dužan preuzeti otpadni proizvod po sistemu jedan za jedan, ukoliko isti odgovara vrsti te je obavljao primarne funkcije kao i isporučena EE oprema. Otpadne baterije i akumulatori predaju se ovlaštenom skupljaču otpadnih baterija ili akumulatora ili prodavatelju bez naknade i obveze kupnje za krajnjeg korisnika. Neodgovarajuće rukovanje ovom vrstom otpada može utjecati na okoliš i ljudsko zdravlje zbog potencijalno opasnih supstanci koje se najčešće nalaze na takvim mjestima. Vaša suradnja u pravilnom zbrinjavanju ovog proizvoda pridonijet će djelotvornom iskorištavanju prirodnih resursa. Dodatne informacije o recikliranju ovog proizvoda zatražite od svog lokalnog gradskog ureda, službe za zbrinjavanje otpada, odobrenog programa ili komunalne službe za uklanjanje otpada ili pak na stranicama www.canon-europe.com/weee ili www.canon-europe.com/battery.

Korisnici u Srbiji



Ovaj simbol označava da ovaj proizvod ne sme da se odlaže sa ostalim kućnim otpadom, u skladu sa WEEE Direktivom (2012/19/EU), Direktivom o baterijama (2006/66/EC) i nacionalnim zakonima. Ukoliko je ispod gore navedenog simbola odštampan hemijski simbol, u skladu sa Direktivom o baterijama, ovaj simbol označava da su u ovoj bateriji ili akumulatoru prisutni teški metali (Hg – živa, Cd – kadmijum, Pb - olovo) u koncentracijama koje premašuju prihvatljivi prag naveden u Direktivi o baterijama. Ovaj proizvod treba predati određenom centru za prikupljanje, npr. po principu "jedan-za-jedan" kada kupujete sličan novi proizvod, ili ovlašćenom centru za prikupljanje za reciklažu istrošene električne i elektronske opreme (EEE), baterija i akumulatora. Nepravilno rukovanje ovom vrstom otpada može imati negativne posledice po životnu sredinu i ljudsko zdravlje usled potencijalno opasnih materijala koji se uglavnom vezuju za EEE. Vaša saradnja na ispravnom odlaganju ovog proizvoda će doprineti efikasnom korišćenju prirodnih resursa. Više informacija o tome kako možete da reciklirate ovaj proizvod potražite od lokalnih gradskih vlasti, komunalne službe, odobrenog plana reciklaže ili servisa za odlaganje kućnog otpada, ili posetite stranicu www.canon-europe.com/weee, ili www.canon-europe.com/battery.

When Repairing, Lending, or Disposing of the Printer

If you have entered personal data, passwords and/or other security settings on the printer, such information may be stored in the printer.

When sending the printer for repair, lending or transferring the printer to another person, or disposing of the printer, please be sure to follow the steps below in order to delete such information and prevent third parties from accessing it.

Initializing network settings



(Setup) > Device settings > LAN settings > Wi-Fi / Wireless Direct / Wired LAN > Settings > Advanced > Reset LAN settings > Yes

Initializing SSL information



(Setup) > Device settings > LAN settings > Wi-Fi / Wireless Direct / Wired LAN > Settings > Advanced > Reset SSL certificates > Yes

Deleting the administrator password



(Setup) > Device settings > Administrator password setting > Enter the administrator password > OK > Remove administrator password > Yes > OK

Screenshots in This Manual

For Windows:

The screenshots used in this manual are the screens that appear when the operating system Windows 10 is used.

For macOS:

The screenshots used in this manual are the screens that appear when the operating system macOS Mojave 10.14 is used.

Basic Printing Workflow

- Printing procedure
- Canceling print jobs
- Pausing Printing

Printing procedure

- Printing Options Using Rolls and Sheets
- > Turning the Printer On and Off
- Loading and Printing on Rolls
- Loading and Printing on Sheets
- Printing in Windows
- Printing from macOS

Printing Options Using Rolls and Sheets

The printer supports both rolls and sheets.

This section introduces the main features of each, as well as the main printing methods available. Select rolls or sheets to suit your particular printing application.

>>>> Note

- For information on the types of paper the printer supports, see "Types of Paper."
- A variety of other ways to print are available besides those introduced here. For details, see "<u>Enhanced</u> <u>Printing Options</u>."

Roll printing

Media in spooled rolls is generally called Roll Media. Rolls are loaded on the roll holder, which are in turn loaded in the printer.

Rolls can be used to print large photos or create posters or banners that cannot be printed on regular sheets.

Large-format printing

Easily print vertical or horizontal banners from familiar applications such as Microsoft Office applications.

(See "Printing Hanging and Horizontal Banners (Large-Format Printing)" (Windows).)

(See "Printing Hanging and Horizontal Banners (Large-Format Printing)" (macOS).)

Borderless printing

Print without a margin (border) around posters or photos.

(See "Printing without Edges Based on the Scenarios" (Windows).)

(See "Printing without Edges Based on the Scenarios" (macOS).)

Banner printing

You can print multiple pages as a single continuous image, without margins between pages.

(See "Printing by Connecting Multiple Pages" (Windows).)

(See "Printing by Connecting Multiple Pages" (macOS).)

90-degree rotation before printing

Originals in portrait orientation are rotated 90 degrees when possible to use paper more efficiently.

(See "Saving Roll Paper by Rotating Document 90 Degrees" (Windows).)

(See "Saving Roll Paper by Rotating Document 90 Degrees" (macOS).)

Enlarged/reduced printing

You can freely adjust the size of originals by enlarging or reducing originals before printing.

(See "Scaled Printing" (Windows).)

(See "Scaled Printing" (macOS).)

• imagePROGRAF Free Layout (Windows), imagePROGRAF Free Layout (macOS) and Free Layout plus (Windows)

Print multiple documents from multiple applications (such as word-processing programs, spreadsheet programs, and so on) next to each other.

(See "Lining Up and Printing Multiple Documents" (Windows).)

(See "Lining Up and Printing Multiple Documents" (macOS).)

Sheet printing

Sheets refer to individual sheets of paper.

Insert the sheet between the platen and the paper retainer.

• Enlarged/reduced printing

You can freely adjust the size of originals by enlarging or reducing originals before printing.

(See "Scaled Printing" (Windows).)

(See "Scaled Printing" (macOS).)

• imagePROGRAF Free Layout (Windows) and imagePROGRAF Free Layout (macOS)

Print multiple documents from multiple applications (such as word-processing programs, spreadsheet programs, and so on) next to each other.

(See "Lining Up and Printing Multiple Documents" (Windows).)

(See "Lining Up and Printing Multiple Documents" (macOS).)

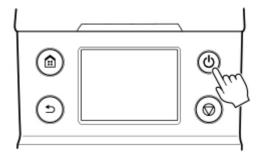
Turning the Printer On and Off

Turning the printer on

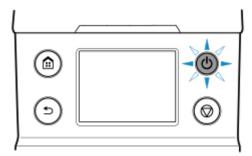
1. Press ON button to turn on printer.

The **ON** button lights up and the printer will now start up.

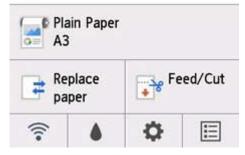
The Canon logo appears on the operation panel, and then "Starting the system...Please wait momentarily" appears.



When startup is finished, the printer enters standby mode.



Ready to print



The printer will not enter standby mode in the following situations. Take action as necessary.

The top cover is open

Close the top cover.

The ink tank cover is open

Close the ink tank cover.

- The print head is not installed
 - Replacing the Print Head

The ink tank is not installed

Replacing Ink Tanks

• If "Error" is shown on the operation panel

Check the message on the operation panel and take action as necessary.

• The ON button and Status lamp never light up, and nothing appears on the operation panel

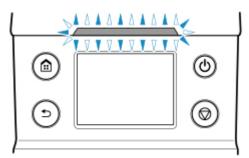
Check the connection at the plug and electrical outlet.

Turning the printer off

Important

- Never disconnect the printer's power supply or unplug it during a print job. This may damage the printer.
- 1. Make sure no print jobs are in progress.

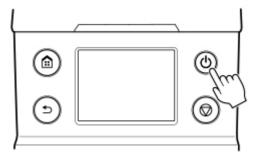
While the **Status** lamp is flashing, the printer is running. The color of the lamp indicates the following states.



If the **Status** lamp is flashing orange, check the message on the operation panel and take action as necessary.

If the **Status** lamp is flashing white, the printer is printing, receiving data, etc. Turn off the power after the **Status** lamp turns off.

2. Hold down the ON button for more than a second.



"Ending... Please wait momentarily" appears on the operation panel, and the printer turns off.

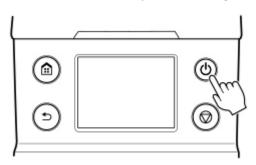
Loading and Printing on Rolls

These are the basic steps for loading and printing on rolls.

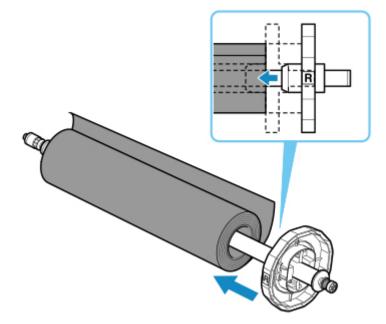
Follow these steps to load and print on rolls.

>>>> Note

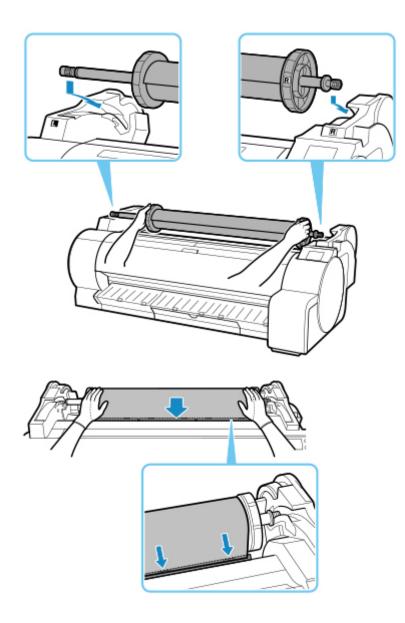
- For details on roll paper sizes and types that can be used, see "<u>Paper Sizes</u>" or "Paper Information List".
- To wait until the ink dries after printing before cutting the roll, set Drying Time in the printer driver. (See "Specifying the Ink Drying Time for Rolls.")
- Once you have used all the paper on a roll, clean the platen. If the platen inside the top cover becomes dirty, it may soil the underside of paper. (See "<u>Cleaning Inside the Top Cover</u>.").
- 1. Turn the printer on. (See "Turning the Printer On and Off.")



2. Load a roll on the roll holder. (See "Loading Rolls on the Roll Holder.")



3. Load the Roll Media in the printer. (See "Loading Rolls in the Printer")



4. Select the type of paper. (See "<u>Changing the Type of Paper</u>.")

>>>> Note

- If no barcode has been printed on the roll paper and you have set Manage remaining roll amount to Barcodes, specify the roll length after selecting the media type. (See "Specifying the Paper Length.")
- 5. Complete settings in the printer driver for the type of paper and other details.
 - How to Open the Printer Driver Setup Window (Windows)
 - How to Open the Printer Driver Setup Dialog (macOS)

	Page Setup	Layour			Auto (Use Printer Settings)		·
					Get Information	Specify	
	<u> </u>			Easy Settings	~		
				Print Target :			
				140000000	Default Settings Photo (Color)		
Let	tter (8.5"x11") :			221 C.	Poster CAD (Color Line Drawing		
	 Actual Size 	0 in x 11.00) in	100 CON	CAD (Monochrome Line		
Let	tter (8.5"x11") :	0 in x 11.00	1		Perspective, GIS		
_	0.5			Print Quality :	Standard		~
		. 0			ting normal documents that o	contain a moture of	^
		E		text, photograp	hs and graphics.		~
1						View Settings	
1			8				
		-		Preview befor	e princing		
1				_			

- 6. Send the print job.
 - Printing in Windows
 - Printing from macOS

Start printing.



• Do not move the release lever during printing.

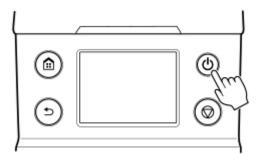
Loading and Printing on Sheets

These are the basic steps for loading sheets and then printing.

Follow the steps below to load and print on sheets.

>>>> Note

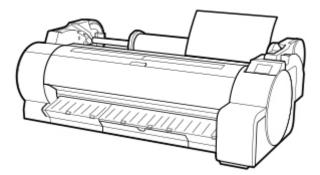
- For details on paper sizes and types that can be loaded, see "Paper Sizes" or "Paper Information List".
- Borderless printing is not supported on sheets. For the features and the main printing methods available for sheet printing, see "Printing Options Using Rolls and Sheets."
- 1. Turn the printer on. (See "Turning the Printer On and Off.")



- 2. Complete settings in the printer driver for the type of paper and other details.
 - How to Open the Printer Driver Setup Window (Windows)
 - How to Open the Printer Driver Setup Dialog (macOS)

	Const. Co			Media Type :	luto (Use Printer Settings)		•
			1		Get Information	Specify	
				Easy Settings	~		
				Print Target :			
			1	9479473304 942.073	Default Settings Photo (Color)		
Let	ter (8.5"x11") :				Poster		
	8.5	50 in x 11.	00 in	20f27.e	CAD (Color Line Drawing) CAD (Monochrome Line I		
Let	Actual Size ter (8.5"x11") :	:			Perspective, GIS		
	8.5	50 in x 11.	00 in				
	F		7	Print Quality :	Standard		\sim
	7	1-1			ting normal documents that c hs and graphics.	ontain a mixture of	^
1				text, priotograp	nis and graphics.		Ŷ
	(2					View Settings	
<			2				
-				Preview before	e printing		
*		- 4					

- 3. Send the print job.
 - Printing in Windows
 - Printing from macOS
- 4. Load the sheet. (See "Loading Sheets in the Printer.")



Start printing.

>>>> Important

• Do not move the release lever until instructions (guidance) for removing the paper are displayed. Moving the release lever during printing will cause printing to stop.

Printing in Windows

Print from the application menu.

Important

- We recommend exiting unnecessary applications before printing. Running several applications while printing may interrupt the transfer of print data and affect printing quality.
- 1. In the source application, select **Print** from the **File** menu to display the dialog box for printing conditions.
- **2.** After confirming that the printer is selected in the dialog box, click **Print** or **OK** to start printing.



• The appearance of the dialog box varies depending on the software application. In most cases, the dialog box includes basic printing options and enables you to choose the printer, specify the range of pages, number of copies, and so on.

Select Printer			
Canon			
24 13			Billion Crime
<			>
Status: Location: Comment:	Ready	Print to file	Preferences Find Printer
Page Range All Selection Pages:	◯ Current Page	Number of <u>c</u> opies	
		1	1 22 33

Example: Print dialog box displayed by the application

• If another printer is selected, select the printer you want to use under **Select Printer** or in the dialog box displayed after clicking **Printer**.

You can use the printer driver dialog box to configure various printing settings such as for enlarged or reduced printing and borderless printing. You can open the printer driver dialog box from the application software or from the operating system menu. For details, see "<u>How to Open the Printer Driver Setup</u> <u>Window</u>" (Windows) or "How to Open the Printer Driver Setup Dialog" (macOS).

Printing from macOS

Print from the application menu after registering the printer.

Important

• We recommend exiting unnecessary applications before printing. Running several applications while printing may interrupt the transfer of print data and affect printing quality.

Registering the printer

The printer needs to be registered in **Print & Scan** (identified as Printers & Scanners or **Print & Fax** in other versions of macOS X) in **System Preferences** before printing.

For instructions on registering printers, see "Sharing the Printer on a Network (macOS)."

Important

 During this setup process, the printer will not be listed among available printers if it is off or disconnected.

Printing from the application software

1. In the application software, select **Print** from the **File** menu to display the dialog box for printing conditions.

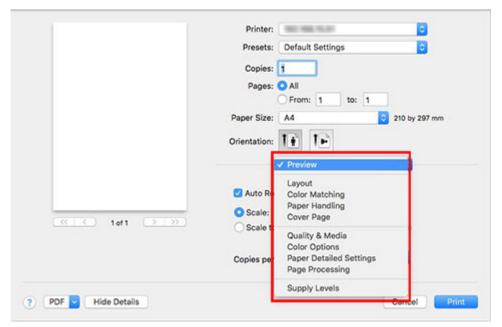
>>>> Note

- This dialog box includes basic printing options and enables you to choose the printer, specify the range of pages, number of copies, and so on.
- 2. Select the printer in the Printer list.

Presets:	Default Settings	
Copies:	1	
Pages:		
	From: 1 to: 1	
Paper Size:	A4	210 by 297 mm

3. Click **Print** to start printing.

As shown in the following illustration, you can switch to other panes in this dialog box to complete settings for various methods of printing, including enlarged and reduced printing, borderless printing, and so on.

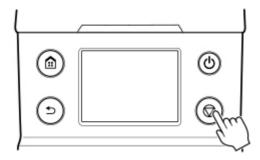


Canceling print jobs

- Canceling Print Jobs from the Operation Panel
- Canceling Print Jobs from Windows
- Canceling Print Jobs from macOS

Canceling Print Jobs from the Operation Panel

To cancel printing or reception of print jobs, press the Stop button on the operation panel.



When you press the **Stop** button during printing, the printer operation varies depending on the current status.

· You press the Stop button before printing starts

Pressing the **Stop** button before printing starts displays a confirmation message. To cancel the print job, select **Yes**.

You press the Stop button during printing

Pressing the **Stop** button during printing displays a confirmation message. To cancel the print job immediately, select **Yes**.

Canceling Print Jobs from Windows

In the printer window, you can cancel jobs that are being sent to the printer.

Using CanonIJ Status Monitor, you can cancel print jobs that have already been received by the printer or that are currently being printed.

1. Click the printer icon in the taskbar to display the printer window.

>>>> Note

- You can proceed from the folder for configuring the printer settings in the OS you are using.
 For example, in Windows 7, open the **Devices and Printers** window from the **start** menu and double-click the printer icon.
- 2. Right-click the job to cancel and select Cancel.

Documen	t Name	Status	Owner	Pages	Size	Submitted	
🖬 sample	nna -	Printing	user1	1	256 KB/1.11 MB		
	Pause						
	Restart	_					
	Cancel						
	Properties						
<)

- **3.** If job to be canceled is not shown in printer window (that is, if print data has already been received by printer), click taskbar icon to display CanonIJ Status Monitor.
- 4. Click Cancel Printing.

🔐 Canon	2010 Displacing and approximate	– 🗆 X
Option Remote U	Help	
Ē	Printing.	Û
Document Name:	sample.png	
Owner:	user1	
Printing Page:	1/1	
Remaining Printing Ti	me of Current Page: Printing will finish soon.	
Remaining Printing Ti		end Queue Cancel Printing
Remaining Printing Ti	Display S	end Queue Cancel Printing
Estimated in	Display S	Cancel Printing

>>>> Note

• The screen may differ slightly depending on the model you are using.

Canceling Print Jobs from macOS

In the printer window, you can cancel jobs that are being sent to the printer.

>>>> Note

- Print jobs are shown in the printer window while they are being sent from the computer. After transmission, jobs are not displayed even during printing.
- 1. Click the printer icon in the **Dock** to display the printer window.
- Either click × for the job to cancel printing or select the job to cancel printing and then click
 Delete to delete the job.

•••		🗟 - 1 Job	
)F		
Pause Set	tinas		
2	sample.pdf		
rn-	Printing		0

>>>> Note

 If the job to be canceled is not shown in the printer window (that is, if the print data has already been received by the printer), you can cancel printing from the operation panel on the printer or from RemoteUI. For details, "<u>Canceling Print Jobs from the Operation Panel</u>" or see "<u>Configuration Changes Using Web Browser</u>."

Pausing Printing

Pausing Printing

Pausing Printing

During printing, if you set **Pause printing** to **Enable**, the printer enters a state in which printing is paused, after the completion of the printing process when this setting was made.

Printing from the job queue is not possible in this state.

To restore normal operation after pausing printing, set Pause printing to Disable.

>>>> Note

- In the following cases, the status is cleared even if you do not set **Pause printing** to **Disable**, and printing from the job queue resumes.
 - When paper is advanced
 - · If you changed the media type from the paper settings display area
- **1.** Tap (Jobs) on Home screen during printing.

Printing...



>>>> Note

- If the Home screen does not appear, press the HOME button.
- 2. Tap Pause printing.
- 3. Tap Enable or Disable.

Enhanced Printing Options

Printing from Your Computer (Windows)

- Printing with Easy Setup VBasics
 - Changing the Type of Paper
- Setting the Number of Copies and Printing Order
- Printing Photos and Business Documents
 - Printing By Setting Print Purpose
 - Edit in PosterArtist and Print
- Printing CAD Drawings
 - Printing By Setting Print Purpose
 - Printing from AutoCAD
- Changing the Print Quality and Correcting Image Data
 - Adjusting Color Balance
 - Setting the Print Quality Level (Custom)
 - Printing a Color Document in Monochrome
 - Specifying Color Correction
 - Optimal Photo Printing of Image Data
 - Adjusting Colors with the Printer Driver
 - Printing with ICC Profiles
 - Adjusting Brightness
 - Adjusting Contrast
 - Printing Using Detailed Setting Mode
- Scaled Printing
- Printing to Oversized Paper Sizes
- Setting Paper Dimensions (Custom Size)
- Set a Custom Size Roll Width
- Printing without Edges Based on the Scenarios
 - Printing without Margins to Match Paper Size

- Printing without Margins to Match Roll Paper Width
- Printing Full-Size without Margins
- Three-sided Borderless Printing on Roll Paper
- Printing Hanging and Horizontal Banners (Large-Format Printing)
- Printing by Dividing/Joining Documents
 - Inputting Multiple-file Documents into Free Layout plus
 - Lining Up and Printing Multiple Documents to Cut Sheets
 - Printing by Connecting Multiple Pages
 - Printing Multiple Pages All on One Page
 - Dividing and Printing Posters
- Printing Document in Center of Paper
- Printing by Saving Roll Paper
 - Saving Roll Paper by Rotating Document 90 Degrees
 - Saving Roll Paper by Eliminating Upper and Lower Margins on Document
- Switching the Paper Source to Match the Purpose
- Displaying the Print Results before Printing
- Other Convenient Settings
 - Stamp Printing
 - Registering a Stamp
 - Setting a Page Size and Orientation
 - Registering a Frequently Used Printing Profile
 - Cutting Roll Paper after Printing

Printing from Computer (macOS)

- Printing with Easy Setup VBasics
 - Changing the Type of Paper
- Setting the Number of Copies and Printing Order
- Changing the Print Quality and Correcting Image Data
 - Adjusting Color Balance
 - Setting the Print Quality Level (Custom)

- Printing a Color Document in Monochrome
- Specifying Color Correction
 - Optimal Photo Printing of Image Data
 - Adjusting Colors with the Printer Driver
 - Printing with ICC Profiles (Specifying an ICC Profile from the Application Software)
 - Printing with ICC Profiles (Specifying an ICC Profile from the Printer Driver)
- Adjusting Brightness
- Adjusting Contrast
- Scaled Printing
- Printing to Oversized Paper Sizes
- Setting Paper Dimensions (Custom Size)
- Set a Custom Size Roll Width
- Print Area
- Printing without Edges Based on the Scenarios
 - Printing without Margins to Match Roll Paper Width
 - Printing Full-Size without Margins
 - Three-sided Borderless Printing on Roll Paper
- Printing Hanging and Horizontal Banners (Large-Format Printing)
- Printing by Dividing/Joining Documents
 - Lining Up and Printing Multiple Documents
 - Printing by Connecting Multiple Pages
 - Printing Multiple Pages All on One Page
- Printing Document in Center of Paper
- Printing by Saving Roll Paper
 - Saving Roll Paper by Rotating Document 90 Degrees
 - Saving Roll Paper by Eliminating Upper and Lower Margins on Document
- Switching the Paper Source to Match the Purpose
- Cutting Roll Paper after Printing
- Printing Using AirPrint

- HP-GL/2 Printing
- Printing from Smartphone/Tablet
 - Connecting Smartphone/Tablet to Printer Directly (Wireless Direct)
 - Printing from iOS Device (AirPrint)
- Using PIXMA/MAXIFY Cloud Link

Printing from Your Computer (Windows)

- Printing with Easy Setup VBasic
- Setting the Number of Copies and Printing Order
- Printing Photos and Business Documents
- Printing CAD Drawings
- Changing the Print Quality and Correcting Image Data
- Scaled Printing
- Printing to Oversized Paper Sizes
- Setting Paper Dimensions (Custom Size)
- > Prints without Edges Based on the Scenarios
- Printing Hanging and Horizontal Banners (Large-Format Printing)
- Printing by Dividing/Joining Documents
- Printing Document in Center of Paper
- Printing by Saving Roll Paper
- Set a Custom Size Roll Width
- Switching the Paper Source to Match the Purpose
- Displaying the Print Results before Printing
- Other Convenient Settings

Printing with Easy Setup

This section describes the simple setting procedure so that you can carry out appropriate printing on this printer.

Printing with Easy Setup

- 1. <u>Check that printer is turned on</u>
- Load paper on the printer
 Set <u>roll paper</u> or <u>cut paper</u> to a printer.
- 3. Open the printer driver setup window
- 4. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Unity	
	Media Type : Plain Paper	-
*	Get Information Specify	
	Easy Settings V	
Letter (8.5'x11'): 8.50 in x 11.00 in Actual Size Letter (8.5'x11'): 8.50 in x 11.00 in	Print Target : Contract Section 25 Proto (Color) Proto (Color) Poster CAD (Color Line Drawing) CAD (Color Line Drawing) CAD (Color Line Drawing) Perspective, GIS	
	Print Quality : Standard ~	
	Suitable for printing normal documents that contain a moture of text, photographs and graphics.	
	Vew Settings	i I
	Preview before printing	
	Status Monitor About Defaults	
	OK Cancel Apply Help	

Important

• See "Paper Information List" for Canon authentic paper or Canon output check paper.

>>>> Note

- Click Get Information... to display the Paper Information on Printer dialog box. The Paper Information on Printer dialog box allows you to get the paper information from the printer and to set the paper source and the media type on the printer driver.
- For instructions on changing the media type from the printer's operation panel, see "<u>Changing</u> the Type of Paper."

5. Select print target

From the pull-down menu, select **Easy Settings**, and then select the setting that matches your purpose from the **Print Target** list.

Get Information Specify y Settings v Target : Benautose Photo Coley
Target : Default Settings
Default Settings
Photo (Color)
Poster
CAD (Color Line Drawing)
CAD (Monochrome Line Drawing)
Perspective, GIS
Quality : Standard
able for printing normal documents that contain a moture of
photographs and graphics.
View Settings
view before printing

6. Select the print quality

For Print Quality, select High, Standard or Fast according to your purpose.

Specify
(ing.)
v
in a moture of 🛛 🗠
~
View Settings

>>>> Important

- The print quality settings that can be selected may differ depending on a printing profile.
- 7. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

	Page Size :	Letter (8.5'x11'')	
*	Borderless P	Vinting Borderless Se	tting
	Enlarged/Reduce	d Printing	
	In Paper Size	te	
	Fit Roll Pape	er Width	
	Scaling	Auto 🗘 % (5 - 600)	
Letter (8.5"x11") :	Printer Paper Si		
8.50 in x 11.00 in Actual Size	riner roper se	Same as nage also	
etter (8.5"x11") :	Orientation		
8.50 in x 11.00 in		Portrat 🚺 🔿 Landscape	
	20		
	📶 🗌 Rotate Pag	e 90 degrees	
	Paper Source :	Roll Paper	
	Roll Paper Width :	24 in Roll (609.6mm)	
		Roll Paper Op	cons

8. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

	Utity	
	Page Size :	Letter (8.5"x11")
	Borderless Printi	
	Enlarged/Reduced P	inting
	In Fit Paper Size	
	O Fit Roll Paper W	
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Printer Paper Size :	Same as Page Size
Letter (8.5"x11") :	Orientation	
8.50 in x 11.00 in	▲ @ Po	rtrat 🚺 🔿 Landscape
	📶 🗆 Rotate Page 90	0 degrees
	Paper Source :	Roll Paper
	Roll Paper Width :	24 in Roll (609.6mm)
N		Roll Paper Options

9. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

Canon Printing Preferences		
ain Page Setup Layout Favorites	Page Size :	Letter (8.5"x11")
	Borderless Printing	Borderless Setting
	 Fit Paper Size Fit Roll Paper Width Scaling 	Auto 🗘 🗶 (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in Actual Size	Printer Paper Size :	Same as Page Size
Letter (8.5"x11") : 8.50 in x 11.00 in	Orientation	Landscape
ATT A	📶 🗌 Rotate Page 90 deg	rees
	Paper Source :	Roll Paper v
K	Roll Paper Width :	24 in Roll (609.6mm)
		Roll Paper Options
		Size Options Defaults
	OK C	ancel Apply Help

10. Complete the setup

Click OK.

When you execute print, the document is printed with settings that match your purpose.

Canon Printing Preferences Main Page Setup Layout Favortes	Utity	>
	Page Size : Borderless Printie Frianged/Reduced Pri Fit Paper Size Fit Roll Paper W	inting
Letter (8.5'×11'): 8.50 in x 11 00 in ▲ Actual Size Letter (8.5'×11'): 8.50 in x 11.00 in	Scaling Printer Paper Size : Orientation Orientation Orientation	frat 💧 🔿 Landscape
T	Paper Source : Roll Paper Width :	Roll Paper 24 in Roll (509 6mm) Roll Paper Options
~	ок	Size Options Defaults Cancel Apply Help

>>>> Note

• If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can execute Print, but you may not obtain the correct printing result.

Checking Printer Settings and Applying Settings to Printer Driver

1. Open printer driver setup window

2. Click Get Information ... on Main tab

The Paper Information on Printer dialog box appears.

3. Select the paper source

From **Paper Source**, check the setting or select a new paper source. The current printer settings appear in **Media Type** and **Roll Width**.

4. Apply settings

To apply the printer settings to the printer driver, click **OK**.

Note

- If the media type and the output paper size are not set on the printer, **OK** will be grayed out and cannot be clicked.
- If communication with the printer is disabled, the **Get Information...** does not appear or printer media information from the printer cannot be obtained.

Setting the Number of Copies and Printing Order

The procedure for specifying the number of copies and printing order is as follows:

- 1. Open the printer driver setup window
- 2. Specify the number of copies to be printed

For Copies on the Layout tab, specify the number of copies to be printed.

Canon Printing Preferences Main Page Setup Layout Favortes	Usity	×
	Page Layout : Poster (2 x 2)	~
	Stamp : CONFIDENTIAL Define Stamp	~
Letter (8.5°x11°) : 850 in x 11 00 in Actual Size Letter (8.5°x11°) : 850 in x 11 00 in	Print Centered Print Centered Print Centered Print Centered Print Centered	
	Copies : 1 0 (1 - 999)	7
N	Copies .	
	Page Options Special Settings Defaults	
	OK Cancel Apply He	þ

3. Specify the print order

Check the **Print from Last Page** check box when you want to print from the last page in order, and uncheck the check box when you want to print from the first page.

Check the **Collate** check box when you are printing two or more copies, and want to print them in groups, and uncheck the check box when you want to print them as a group on the same page.

4. Complete the setup

Click OK.

When you execute print, the specified number of copies will be printed with the specified printing order.

Important

 When the application software that you used to create the document has the same function, specify the settings on the printer driver. However, if the print results are not acceptable, specify the function settings on the application software. When you specify the number of copies and the printing order with both the application software and this printer driver, the number of copies may be multiplied numbers of the two settings or the specified printing order may not be enabled.

Printing Photos and Business Documents

- Printing By Setting Print Purpose
- Edit in PosterArtist and Print

Printing By Setting Print Purpose

The print settings that are generally used frequently are pre-registered as print purposes. By using a print purpose to print, you can print with settings that match the document.

The procedure for printing by using a print purpose is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Utity Media Type : Plain Paper	×
*	Get Information Specify	
Letter (8.5'x11'): 850 in x 11:00 in Actual Size Letter (8.5'x11'): 850 in x 11:00 in	Easy Settings	
	Print Quality : Standard	v
	Suitable for printing normal documents that contain a mixture of text, photographs and graphics.	0
	Vew Settings	
a la	Preview before printing	
	Status Monitor About Defaults	
	OK Cancel Apply Hel	p

3. Select print setting mode

From the pull-down menu, select Easy Settings.

	Get Information	Specify
Easy Settings	~	
Print Target :		
CARDINAL CONTRACT	Default Settings Photo (Color)	
25 CM	Poster	
738 pr.	CAD (Monochrome Line	
	Perspective, GIS	
Print Quality :	Standard	
		contain a moture of
text, priotograph	is and graphics.	
		View Settings
Preview before		
	Print Target :	Print Target : Termination: Photo (Color) Poster CAD (Color Line Drawing CAD (Monochrome Line Perspective, GIS

4. Select print purpose

For Print Target, select the setting that matches the document.

Default Settings

Select this setting to print a general document such as an business documents.

Photo (Color)

Select this setting to print a color illustration or a photo.

Poster

Select this setting to print a poster.

CAD (Color Line Drawing)

Select when printing data such as drawings.

CAD Monochrome

Select when printing data such as drawings in monochrome.

Perspective, GIS

Select when printing data such as perspectives and GIS.

Note Note

• To check the settings of the items that are set by Print Target, click View Settings.

5. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

The current settings are displayed in the settings preview on the left side of the window.

	-1	Page Size :	Letter (8.5"x11")
<u>*</u>		Borderless Printing	Borderless Setting
		Enlarged/Reduced Printin International State Fit Paper Size	9
		O Fit Roll Paper Width	
		Scaling	Auto 🗘 💈 (5 - 600)
Letter (8.5"x11") :	n x 11.00 in	Printer Paper Size :	Same as Page Size
Actual Size	n x 11.00 h		
etter (8.5"x11") : 8.50 i	n x 11.00 in	Orientation	_
		 Portrat 	Landscape
	-0-0	📶 🗌 Rotate Page 90 des	grees
	20		
		Paper Source :	Roll Paper
1		Roll Paper Width :	24 in Roll (609.6mm)
			Roll Paper Options
	-		

6. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

>>>> Important

• The paper feed method will differ according to the paper settings.

7. Set the other items

Set the other items as necessary.

8. Complete the setup

Click OK.

When you print, the document is printed to match the specified print purpose.

Edit in PosterArtist and Print

Word processing and spreadsheet software documents and web browser screens, etc. can be edited a print from PosterArtist.

The following explains the procedure for editing original documents made in multiple application software in PosterArtist and printing in a poster layout.

- 1. Open Printer Driver Settings Screen
- 2. Select edit in PosterArtist

Check Page Layout in the Layout tab and select Edit Using PosterArtist from the pull-down menu.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Utilty	
	Page Layout :	Edt Using PosterArtist 🗸 🗸
		Şet
	Stamp :	CONFIDENTIAL V
		Define Stamp
Letter (8.5'x11'): 8.50 in x 11.00 in Actual Size	Print Centered	đ
Letter (8.5"x11") : 8.50 in x 11.00 in	4 □ 5 □ Botate 180 d	ogrees
And	No Spaces a	t Top or Bottom
	©opies :	1 🗘 (1 - 999)
	4	Print from Last Page
		Cglate
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

>>>> Note

• Edit Using PosterArtist may not be available for use depending on the usage environment.

3. Start up PosterArtist

Click **OK**. When printing is executed, PosterArtist starts up and PageCapture window opens.

- 4. Select page to get in PosterArtist
- 5. Edit page in PosterArtist

Image editing and sorting is implemented in PosterArtist. By repeating steps 1 through 4 without closing the PosterArtist window, documents made in multiple application software can be arranged on one page. After editing is complete, please print from PosterArtist menu.



• For instructions on how to edit and rearrange images, refer to the PosterArtist manual.

Printing CAD Drawings

- Printing By Setting Print Purpose
- Printing from AutoCAD

Printing By Setting Print Purpose

The print settings that are generally used frequently are pre-registered as print purposes. By using a print purpose to print, you can print with settings that match the document.

The procedure for printing by using a print purpose is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Utity Media Type : Plain Paper	v
*	Get Information Specify	
Letter (8.5'x11'): 850 in x 11:00 in Actual Size Letter (8.5'x11'): 850 in x 11:00 in	Easy Settings Print Target : Print Target : Proto (Color) Photo (Colo	
	Print Quality : Standard	v
	Suitable for printing normal documents that contain a mixture of text, photographs and graphics.	Ŷ
	View Settings	
	Preview before printing	
	Status Monitor About Defaults	
	OK Cancel Apply He	þ

3. Select print setting mode

From the pull-down menu, select **Easy Settings**.

	Media Type : A	uto (Use Printer Settings)	
		Get Information	Specify
	Easy Settings	~	
	Print Target :		
	CATEGORY COLOR	Default Settings Photo (Color)	
Letter (8.5"x11") :		Poster	
8.50 in x 11.00 in	238 cm.	CAD (Color Line Drawing) CAD (Monochrome Line D	rawing)
Actual Size Letter (8.5"x11") :		Perspective, GIS	
8.50 in x 11.00 in			
	Print Quality :	Standard	
	0	ting normal documents that co	ntain a mixture of
		ns and graphics.	
			Vew Settings
R			
R		ns and graphics.	

4. Select print purpose

For Print Target, select the setting that matches the document.

Default Settings

Select this setting to print a general document such as an business documents.

Photo (Color)

Select this setting to print a color illustration or a photo.

Poster

Select this setting to print a poster.

CAD (Color Line Drawing)

Select when printing data such as drawings.

CAD Monochrome

Select when printing data such as drawings in monochrome.

Perspective, GIS

Select when printing data such as perspectives and GIS.

Note Note

• To check the settings of the items that are set by Print Target, click View Settings.

5. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

The current settings are displayed in the settings preview on the left side of the window.

		_1		Page Size		Letter (8.5"x11")	
	-			Sec. 2	less Printing	Borderless Settin	a
				Enlarged/R	-		
				In Fit Page			
				_	Paper Width		
			_	Scalin	9	Auto 🗘 % (5 - 600)	
.ett	er (8.5"x11") : 8.9	: 50 in x 11.	00 in	Printer Pa	per Size :	Same as Page Size	
	Actual Size						
Lett	er (8.5"x11") : 8.9	: 50 in x 11.	00 in	Orientation	Le i		
_	-		_	2	 Portrat 	▲ O Landscape	
				📶 🗆 Botat	e Page 90 degn	ees	
1	-	27	- T				
				Paper Source :		Roll Paper	
	X			Roll Paper Width		24 in Roll (609.6mm)	
4						Roll Paper Option	
		1				The Paper option	w

6. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

>>>> Important

• The paper feed method will differ according to the paper settings.

7. Set the other items

Set the other items as necessary.

8. Complete the setup

Click OK.

When you print, the document is printed to match the specified print purpose.

Printing from AutoCAD

Printer Driver Optimization Module for AutoCAD is software for printing optimally from AutoCAD with the printer driver.

By optimally controlling the processing resolution of raster data and the memory to be used in image processing of AutoCAD, printing superior in reliability and productivity is realized.

If you install Printer Driver Optimization Module for AutoCAD on a computer on which supported AutoCAD is installed, it will be installed automatically.

Note

• Printer Driver Optimization Module for AutoCAD is applied automatically when you print from AutoCAD, and optimal printing is performed.

Confirming the Installation of Printer Driver Optimization Module for AutoCAD

You can confirm whether Printer Driver Optimization Module for AutoCAD is installed by the following method.

1. From the File menu of AutoCAD, select Print

The **Plot** dialog box is displayed.

2. Confirm if the device name in use is displayed

Printer Driver Optimization Module for AutoCAD is installed if "XXX - Optimized driver - by Canon Inc." (where "XXX" is your model name) is displayed in **Plotter** of **Printer/plotter**.

Changing the Print Quality and Correcting Image Data

- Adjusting Color Balance
- Setting the Print Quality Level (Custom)
- > Printing a Color Document in Monochrome
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast
- Printing Using Detailed Setting Mode

Adjusting Color Balance

You can adjust the color tints when printing.

Since this function adjusts color balance of the output by changing the ink ratios of each color, it changes the total color balance of the document. Use the application software when you want to change the color balance significantly. Use the printer driver only when you want to adjust the color balance slightly. The following sample shows the case when color balance is used to intensify cyan and to diminish yellow so that the overall colors are more uniform.



No adjustment Adjust color balance

The procedure for adjusting color balance is as follows:

- 1. Open the printer driver setup window
- 2. Select the advanced settings

Select Advanced Settings from the pull-down menu on the Main tab.

fain Page Setup Layout Favorites		(Use Printer Settings)	
*		iet Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printe	er Settings) 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5'x11'):			Resolution :600dpi
8 50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
N	Thickeg Fine Lin Thickeg Fine Lin Thickeg Fine Lin		
1	Status Monito	c About	Defaults

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears. 4. Adjust color balance

The **Color Adjustment** tab has individual sliders for **Cyan**, **Magenta**, and **Yellow**. Each color becomes stronger when the corresponding slider is moved to the right, and becomes weaker when the corresponding slider is moved to the left. For example, when cyan becomes weaker, the color red becomes stronger.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.

olor Adjustment Matching						
	Cyan :	0		•		
	Magenta :	0	Low		Hgh	
-	mayerka :	Ē	Low		Hgh	
ABCDEF	Yellow :	0	Low		Hgh	
1234567			2011		ayı.	
View Color Pattern	Brightness :	0	*		*	
_			Dark		Light	
	Contrast :	0	low	-	() Hgh	
					-	
					Defa	uts
			_	OK Can		Help

After adjusting each color, click OK.

5. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the document is printed with the adjusted color balance.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast

Setting the Print Quality Level (Custom)

Custom on the Print Quality tab allows you to set detailed print quality levels.

The procedure for setting the print quality level is as follows:

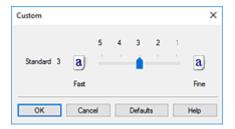
- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

*			
	G	et Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printer	Settings) 🗸 🗸
	Print Quality :	Standard	Ý
Letter (8.5"x11") :			Resolution :600dp
8 50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
R	Thicken Fine Line Thicken Fine Line Thicken Fine Line		

3. Select the print quality

For **Print Quality**, select **Custom**. The **Custom** dialog box opens.



Important

- If Auto (Use Printer Settings) is selected for Media Type, Custom cannot be selected.
- 4. Setting the print quality level

Drag the slider bar to select the print quality level and click **OK**.

>>>> Important

- Certain print quality levels cannot be selected depending on the settings of Media Type.
- 5. Complete the setup

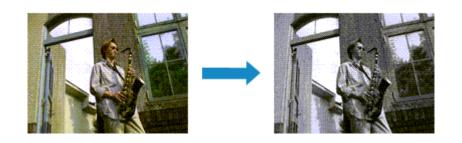
Click **OK** on the **Main** tab.

When you execute print, the image data is printed with the selected print quality level.

Related Topics

- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

Printing a Color Document in Monochrome



The procedure for printing a color document in monochrome is as follows:

- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

🖶 Canon 🐘 🗏 Printing Preferences			×
Main Page Setup Layout Favorites	Utility		
	Media Type : Auto (Use Printer Settings)	~
	G	et Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printer S	Settings) 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5"x11") :			Resolution :600dpi
8 50 in x 11.00 in	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
	Thicken Fine Line	¢	
	Preview before print	ing	
	Status Monitor	About	Defaults
	ОК	Cancel	Apply Help

3. Select color mode

For Color Mode, select Monochrome or Monochrome Bitmap.

>>>> Note

- The selectable Color Mode depends on the media type selected for Media Type on the Main tab.
- You can select Monochrome Bitmap for Color Mode only if Line Drawing/Text is selected in Print Priority.
- 4. Complete the setup

Click OK.

When you execute print, the document is converted to grayscale data. It allows you to print the color document in monochrome.

>>>> Important

 When Monochrome or Monochrome Bitmap are selected, the printer driver processes image data as sRGB data. In this case, actual colors printed may differ from those in the original image data. When using the grayscale printing function to print Adobe RGB data, convert the data to sRGB data using an application software.

>>>> Note

• With Monochrome or Monochrome Bitmap inks other than black ink may be used as well.

Specifying Color Correction

You can specify the color correction method suited to the type of document to be printed. Normally, when data is printed, the printer driver automatically adjusts the colors.

When you want to print by using the color space of the image data effectively, select **ICM** or, **ICC Profile Matching**. When you want to use an application software to specify a printing ICC profile, select **None**.

The procedure for specifying color correction is as follows:

- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

Canon Printing Preferences Main Page Setup Layout Favorites	Utility		>
	Media Type : Auto (Use Printer Settings)	~
	G	et Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printer	Settings) 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5'x11') :			Resolution :600dpi
8 50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in	_		Color Settings
	Thickeg Fine Lin Thickeg Fine Lin		
-	Status Monitor	About	Defaults

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click **Matching** tab, select **Color Correction** setting that matches your purpose from the following, and click **OK**.

Color Settings		×
Color Adjustment Mate	hing	
Color Correction :		
Driver Matching ICC Profile Matching ICM Off		
Rendering Intent :	Perceptual (Photo)	v
		Defaults
		OK Cancel Help

Driver Matching

Print with the optimal color using the driver's original color profile. Normally, you should choose this mode.

ICC Profile Matching

Carry out color matching using the ICC profile. Specify the input profile, printer profile and matching method in detail, and select when printing. You can use the digital camera or scanner ICC profile, or the ICC profile created using the profile creation tool.

ICM

Perform color matching on the host computer using the Windows ICM function. Select when printing from an ICM function-compatible application.

None

Print without performing color matching on the printer driver. Select this when performing color matching using applications such as Adobe Photoshop, or printing a color chart using a profile creation tool.

5. Complete the setup

Click OK on the Main tab.

When you execute print, the document data is printed with the specified color correction.

>>>> Important

- When ICM is disabled in the application software, **ICM** is unavailable for **Color Correction** and the printer may not be able to print the image data properly.
- If Auto (Use Printer Settings) is selected for Media Type, the Matching sheet is not displayed, and color correction occurs according to printer settings.

Related Topics

- Optimal Photo Printing of Image Data
- Adjusting Colors with the Printer Driver
- Printing with ICC Profiles

Optimal Photo Printing of Image Data

When people print images taken with digital cameras, they sometimes feel that the printed color tones differ from those of actual image or those displayed on the monitor.

To get the print results as close as possible to the desired color tones, you must select a printing method that is best suited to the application software used or to your purpose.

Color Management

Devices such as digital cameras, scanners, monitors, and printers handle color differently. Color management (color matching) is a method that manages device-dependent "colors" as a common color space.

For Windows, a color management system called "ICM" is built into the operating system. sRGB is one of the common color spaces that is frequently used.

ICC profiles convert device-dependent "colors" into a common color space. By using an ICC profile and carrying out color management, you can draw out the color space of the image data within the color reproduction area that the printer can express.

>>>> Note

 Normally, image files are saved in JPEG format. Some digital cameras allow you to save images in a format called RAW. RAW data refers to an image saving format that requires a computer to develop the image. You can embed an input ICC profile tag into a RAW file by using special application software.

Selecting a Printing Method Suited to the Image Data

The recommended printing method depends on the color space of the image data or the application software to be used.

There are two typical printing methods.

Check the color space of the image data and the application software to be used, and then select the printing method suited to your purpose.

Adjusting Colors with the Printer Driver

This section describes the procedure for printing data by using the color correction function of the printer driver.

Select this function when you want to print impressions that are close to those displayed on the monitor, for example, if you corrected the colors while checking the print image on the monitor.

Printing with ICC Profiles

Describes the procedure for printing by using the color space of the image data effectively. You can print with a common color space by setting up the application software and the printer driver so that the color management matches the input ICC profile of the image data.

The method for setting up the printer driver differs depending on the application software to be used.

Adjusting Colors with the Printer Driver

To use driver matching when printing, turn on the printer driver's color correction function. Driver matching accurately applies the characteristics of data displayed on the monitor and allows you to obtain print results of impressions that are close to those displayed on the monitor.

>>>> Important

- When printing using driver matching, Canon recommends that you set the monitor and the environment light as follows:
 - Monitor Color temperature: D50 (5000K) Brightness: 100 to 120cd/m2 Gamma: 2.2
 - Environment light Fluorescent light for D50 color evaluation (color temperature 5000K, high color rendering properties)
 Brightness when looking at printed materials: 500 lx ± 125 lx

>>>> Note

• When printing from an application software that can identify ICC profiles and allows you to specify them, use a printing ICC profile in the application software, and select settings for color management.

The procedure for adjusting colors with the printer driver is as follows:

- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

Main Page Setup Layout Favorite		Jse Printer Settings)	
		t Information	Specify
	Print Priority :	Auto (Use Printer	Settings) 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5"x11") :			Resolution :600dpi
8 50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
	Thickeg Fine Line	a	
	Preview before print Status Monitor,	-	Defaults
	status Montor.		Derauts

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click Matching tab, and select Driver Matching for Color Correction.

Color Settings		>
Color Adjustment Match	ng	
Color Correction :		
Driver Matching ICC Profile Matching ICM Off		
Rendering Intent :	Perceptual (Photo)	~
		Defaults
		OK Cancel Help

5. Select the rendering intent

Select the coloring adjustment method in **Rendering Intent**.

Perceptual (Photo)

Reproduces colors of general photos naturally and features smooth gradation. In addition, selecting this setting allows you to adjust colors easily using an application software.

Saturation (Poster/CAD)

Reproduces vivid colors on data such as a poster. In addition, prints in easy-to-see colors suitable for line drawing.

6. Set the other items

If necessary, click **Color Adjustment** tab, and adjust the color balance (**Cyan**, **Magenta**, **Yellow**) and adjust **Brightness**, and **Contrast** settings, and then click OK.

7. Complete the setup

Click **OK** on the **Main** tab.

When you execute print, the printer driver adjusts the colors when printing the data.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

Printing with ICC Profiles

When the image data has a specified input ICC profile, you can print by using the color space of the data effectively.

The printer driver setting procedure varies depending on the application software used to print.

Specify an ICC Profile from the Application Software and Print the Data

When you print the editing and touch-up results of Adobe Photoshop, Canon Digital Photo Professional, or any application software that allows you to specify input and printing ICC profiles, you print by effectively using the color space of the input ICC profile specified in the image data.

To use this printing method, use your application software to select color management items and specify an input ICC profile and a printing ICC profile in the image data.

Even if you print using a printing ICC profile that you created yourself, be sure to select color management items from your application software.

For instructions, refer to the manual of the application software you are using.

- 1. Open the printer driver setup window
- **2.** Select advanced settings

	Media Type : Auto	(Use Printer Settings)	
1	G	iet Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printer S	ettings) v
	Print Quality :	Standard	~
Letter (8.5"x11") :			Resolution :600d
8.50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
R	Thicken Fine Lin		
	Preview before priv	ting	
	Status Monito	About	Defaults

From the Main tab pull-down menu, select Advanced Settings.

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click Matching tab, and select None for Color Correction.

Color Settings					×
Color Adjustment	Matching				
Color Correction					٦
Driver Matching ICC Profile Matc ICM Off	hing				
Off.					
				Defaults	
			OK C	ancel Help	

5. Set the other items

If necessary, click **Color Adjustment** tab, and adjust the color balance (**Cyan**, **Magenta**, **Yellow**) and adjust **Brightness**, and **Contrast** settings, and then click **OK**.

6. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the printer uses the color space of the image data.

Specify an ICC Profile with the Printer Driver, and then Print

When you print from application software that cannot identity input ICC profiles or does not allow you to specify one, the data color space is printed as sRGB.

- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

Canon Printing Preferences	Utility				3
	Media Type :	Auto (Us	e Printer Settings)		Ŷ
		Get I	information	Specify	
	Advanced S	Settings	~		
	Print Priority :	:	Auto (Use Printe	er Settings)	~
	Print Quality		Standard		~
Letter (8.5"x11") :				Resolution	:600dpi
8.50 in x 11.00 in Actual Size	Color Mode :		Color		~
Letter (8.5"x11") : 8.50 in x 11.00 in				Color Setting	s
T	Thicken i Thicken i Preview be		2		
-	Status	Monitor	About	Def	auits
		ОК	Cancel	Apply	Help

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Select color correction

Click Matching tab, and select ICC Profile Matching for Color Correction.

Color Adjustment Matching Color Correction : Driver Matching DOC Profile Matching OOF OOF Input Profile : sRGB IEC61966-2.1 Printer Profile : Auto Settings Rendering Intert : Perceptual	Color Correction : Driver Matching ICC Profile Matching ICM Off Input Profile : Input Profile : Input Profile :	uto Settings		~
Driver Matching ICC Profile Matching ICM Off Input Profile : sRGB IEC61966-2.1 Printer Profile : Auto Settings	Driver Matching ICC Profile Matching ICM Off Input Profile : al Printer Profile : A	uto Settings		
Off hput Profile : sRGB IEC61966-2.1 Printer Profile : Auto Settings	Off Input Profile : sl Printer Profile : A	uto Settings		
Off hput Profile : sRGB IEC61966-2.1 Printer Profile : Auto Settings	Off Input Profile : si Printer Profile : A	uto Settings		
Printer Profile : Auto Settings	Printer Profile : A	uto Settings		
Printer Profile : Auto Settings	Printer Profile : A	uto Settings		
	_			
Rendering Intent : Perceptual	Rendering Intent : P	erceptual		
			Defendance -	
			Ceau	13
Defaults			OK Cancel I	Help

5. Select Input Profile

Select the input profile you want to use.

Important

- · When the application software specifies an input profile, the input profile setting of the printer driver becomes invalid.
- 6. Select the printer profile

Select Printer Profile as follows:

• To set the printer profile automatically:

Select Auto Settings.

• To set the printer profile manually:

Select a printer profile that matches the media type to be used.

7. Select the rendering intent

Select the coloring adjustment method in Rendering Intent.

Perceptual

Reproduces colors of general photos naturally and features smooth gradation. In addition, selecting this setting allows you to adjust colors easily using an application software.

>>>> Important

- · When you select Perceptual to print images, Canon recommends that you set the monitor and the environment light as follows:
 - Monitor

Color temperature: D50 (5000K) Brightness: 100 to 120cd/m2 Gamma: 2.2

 Environment light Fluorescent light for D50 color evaluation (color temperature 5000K, high color rendering properties)

Brightness when looking at printed materials: 500 lx ± 125 lx

Saturation

Reproduces vivid colors on data such as a poster. In addition, prints in easy-to-see colors suitable for line drawing.

Relative Colorimetric

When image data is converted to the color space of the printer, this method converts the image data so the color reproduction approximates the shared color regions. Select this method to print image data with colors that are close to the original colors.

Absolute Colorimetric

When **Relative Colorimetric** is selected, white spots are reproduced as white spots of the paper (background color). However, when Absolute Colorimetric is selected, how the white spots are reproduced depends on the image data.

Important

· Depending on the media type, you may obtain the same print results even when you change the Rendering Intent setting.

8. Set the other items

If necessary, click **Color Adjustment** tab, and adjust the color balance (**Cyan**, **Magenta**, **Yellow**) and adjust **Brightness**, and **Contrast** settings, and then click **OK**.

9. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the printer uses the color space of the image data.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

Adjusting Brightness

You can brighten or darken the colors of the overall image data during printing.

The following sample shows the case when light colors are darkened when the image data is printed.



No adjustment Darken light colors

The procedure for adjusting brightness is as follows:

- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

	Media Type : Auto (Use Printer Settings)	
	G	et Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printer	r Settings) 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5"x11") :			Resolution :600dp
8.50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
	Thicken Fine Lin	**	
	Previe <u>w</u> before prin	-	Defaults

3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings**. The **Color Settings** dialog box appears.

4. Adjust brightness

On the **Color Adjustment** tab, moving the **Brightness** slider to the right brightens (dilutes) the colors, and moving the slider to the left darkens (intensifies) the colors.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.

olor Settings					×
Color Adjustment Matching					
N N	Cyan :	0	- - -	•••••	
			Low	Hgh	1
	Magenta :	0		····	
4			Low	Hgh	I.
	Yellow :	0	- -	····	
ABCDEF			Low	Hgh	I.
1234567					_
View Color Pattern	Brightness :	0	* -	×	
			Dark	Light	t –
	Contrast :	0	0 -	O	_
			Low	Hgh	I.
					Defaults
				OK Cancel	Help

5. Complete the setup

Click **OK** on the **Main** tab. When you execute print, the data is printed at the adjusted brightness.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Contrast

Adjusting Contrast

You can adjust the image contrast during printing.

To make the differences between the light and dark portions of images greater and more distinct, increase the contrast. On the other hand, to make the differences between the light and dark portions of images smaller and less distinct, reduce the contrast.



No adjustment

Adjust the contrast

The procedure for adjusting contrast is as follows:

- 1. Open the printer driver setup window
- 2. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

	Media Type : Auto (Use Printer Settings)	
*	G	et Information	Specify
	Advanced Settings	~	
	Print Priority :	Auto (Use Printe	r Settings) 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5"x11") :			Resolution :600dp
8.50 in x 11.00 in	Color Mode :	Color	~
Letter (8.5"x11") : 8.50 in x 11.00 in			Color Settings
R	Thicken Fine Lin Thicken Fine Lin		
	Clustered derore but		
	Status Monitor	About	Defaults

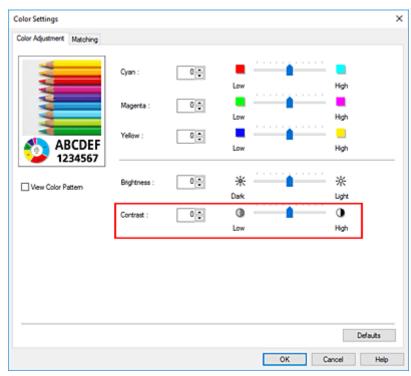
3. Select color mode

For **Color Mode**, select **Color**, and then click **Color Settings...**. The **Color Settings** dialog box appears.

4. Adjust the contrast

On the **Color Adjustment** tab, moving the **Contrast** slider to the right increases the contrast, and moving the slider to the left decreases the contrast.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.



After adjusting each color, click OK.

5. Complete the setup

Click **OK** on the **Main** tab.

When you execute print, the image is printed with the adjusted contrast.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness

Printing Using Detailed Setting Mode

You can print by using your own settings instead of the pre-registered Print Target settings.

The procedure for using the detailed setting mode and printing is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Canon Printing Preferences Main Page Setup Layout Favorites	Usity	×
Letter (8.5'x11'): 8.50 in x 11.00 in Actual Size	Media Type : Plain Paper Get Information Specify Easy Settings Print Target : Print Target : Print Target : Print (Color) Poster CAD (Color Line Drawing) CAD (Monochrome Line Drawing) Perspective, GIS	
Letter (8.5'x11'): 850 in x 11.00 in	Print Quality : Standard Suitable for printing normal documents that contain a mixture of text, photographs and graphics. View Settings	> <
	Preview before printing Status Monitor About Defaults OK Cancel Apply He	

3. Select advanced settings

From the Main tab pull-down menu, select Advanced Settings.

lain Page Setup Layout Favortes			
		(Use Printer Settings)	·
<u>.</u>		Get Information	Specify
	Advanced Settings	1 ×	
	Print Priority :	Auto (Use Printer	r Settings) 🗸 🗸 🗸
	Print Quality :	Standard	~
Letter (8.5'x11') :			Resolution :600dp
8 50 in x 11.00 in Actual Size	Color Mode :	Color	~
Letter (8.5"x11") :	-		Color Settings
850 in x 11 00 in	Thicken Fine Lit	res	
	Preview before pri	-	Defaults

4. Set print conditions

Set the following items as necessary.

Print Priority

Select elements to prioritize for print results.

Print Quality

Selects your desired printing quality.

Select one of the following to set the print quality level that is appropriate for the purpose.

Color Mode

Selects color adjustment method.

Thicken Fine Lines

Prints thin lines thicker for easy viewing.

5. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

The current settings are displayed in the settings preview on the left side of the window.

	Page Size :	Letter (8.5'x11')
	Borderless Printing Enlarged/Reduced Printin © Fit Paper Size Fit Roll Paper Width	-
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Scaling Printer Paper Size :	Auto 0 % (5 - 600) Same as Page Size
Letter (8.5°x11'): 8.50 in x 11.00 in	Orientation Image: Contrast Image: Contrast Image: Contrast Image: Contrast	
	Paper Source :	Roll Paper
NU	Roll Paper Width :	24 in Roll (609.6mm) Roll Paper Options
N		24 in Roll (609.6mm)

6. Select the paper source

For Paper Source, select the setting that matches your purpose.

Important

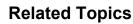
• The paper feed method will differ according to the paper settings.

7. Set the other items

Set the other items as necessary.

8. Complete the setup

Click **OK**. When you print, the document is printed with the print conditions you set.



Adjusting Color Balance

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Contrast

Scaled Printing

The procedure for printing a document with pages enlarged or reduced is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper size of the document

Using Page Size on the Page Setup tab, select the page size that is set with your application software.

3. Select the paper source

For Paper Source, select the setting that matches your purpose.

>>>> Important

- The paper feed method will differ according to the paper settings.
- 4. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

5. Select scaled printing

Check the Enlarged/Reduced Printing check box.

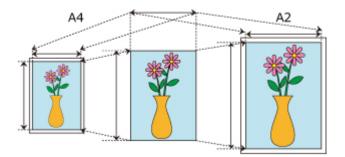
Canon Printing Preferences		×
Main Page Setup Layout Favorites	Ubley	
	Page Size :	Letter (8.5"x11") ~
	Borderless Printin	
	Enlarged/Reduced Pri	nting
	Fit Paper Size	
	O Fit Roll Paper W	
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in Auto Scale: 100%	Printer Paper Size :	Same as Page Size $\qquad \lor$
Letter (8.5'x11') : 8.50 in x 11.00 in	Orientation	rat 🚺 🔿 Landscape
A TON	📶 🗌 Rotate Page 90	degrees
	Paper Source :	Roll Paper v
N	Roll Paper Width :	24 in Roll (609.6mm) ~
		Roll Paper Options
		Size Options Defaults
	ОК	Cancel Apply Help

6. Set one of scaling methods described below

From the items listed below, select the setting that matches your purpose and select the corresponding check box.

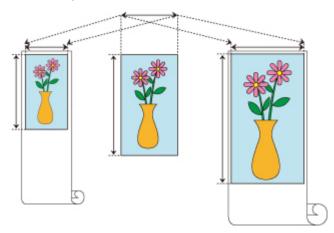
The current settings are displayed in the settings preview on the left side of the window.

Fit Paper Size



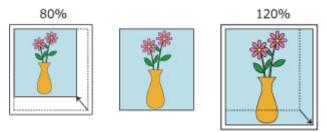
Scales the document to match the paper size.

• Fit Roll Paper Width



Scales the document to match the roll paper width.

Scaling



Allows you to specify the scaling by entering a number directly or by selecting the paper size you want from the **Printer Paper Size** list.

The document is reduced when a size smaller than the **Page Size** setting is selected from the **Printer Paper Size** list, and enlarged when a size larger is selected.

7. Complete the setup

Click OK.

When you execute print, the document will be printed with the specified scale.

>>>> Important

• When the application software which you used to create the original has the scaled printing function, configure the settings on your application software. You do not need to configure the same setting in the printer driver.

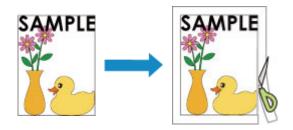
>>>> Note

· Selecting Enlarged/Reduced Printing changes the printable area of the document.

Printing to Oversized Paper Sizes

When printing a created document so that it fills the entire paper width, select a paper size from the **Oversize** list (sizes resulting from adding margins necessary for printer operation to the document sizes) so that all areas of the document are printed at their actual size.

A printout that has the same area as the document can be obtained by trimming the outer margins after printing.



The procedure for printing with oversize is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

3. Click Size Options...

	Utility	
	Page Size :	Letter (8.5"x11")
	Borderless Printi	ing Borderless Setting
	Enlarged/Reduced Pr	inting
	In Fit Paper Size	
	Fit Roll Paper W	ńdth
	Scaling	Auto 🗘 🛠 (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size :	Same as Page Size
Actual Size Letter (8.5"x11"):	Orientation	
8.50 in x 11.00 in		ntrat 🔥 🔿 Landscape
	E Rotate Page 90	0 degrees
	Paper Source :	Roll Paper
T	Roll Paper Width :	24 in Roll (609.6mm)
Ter	Roll Paper Width :	24 in Roll (609.6mm) Roll Paper Options

The Paper Size Options dialog box opens.

4. Select oversize

Select the **Oversize** check box, and click **OK**.

sper Size List :			Custom Paper Su	e Name :	
Name	Size	^			
81	28.66 x 40.55		Units		
82	20.28 x 28.66			Omm	
83	14.33 x 20.28			() inch	
84	10.12 x 14.33			(Second	
34"x44" (ANSI E)	34.00 x 44.00		Paper Size		
28"x40" (ANSI F)	28.00 × 40.00		Borderless	Printing Size	
22"x34" (ANSI D)			_	-	
17"x22" (ANSI C)	17.00 x 22.00		_	o of the Width to Heigh	
is any (seper e)	13.00 x 19.00		Width :	8.50 🗘 Inch(3.5	94 - 36.10)
and the second s	11.00 x 17.00		Height :	11.00 0 inch(8.0	10 - 708 66)
Letter (8.5"x11")	8.50×11.00	~	trades.	the let her her	
Delete			Register with t	the OS	Add
Display Series					
1 ISO A(A)	3. A4)	✓ 4 DI	N (C3, C4,)	Photo	
2 ISO B(B)	. B4)	⊠ 5AP	CH (A, B)	Other	
⊠ 3 JIS (B3.	84)	26 AN	ISI (A. B)	_	
Oversize					

The current settings are displayed in the settings preview on the left side of the Page Setup tab.

5. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

>>>> Important

- The paper feed method will differ according to the paper settings.
- 6. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

7. Set the other items

Set the other items as necessary.

8. Complete the setup

Click OK.

When you print, the document is printed using oversize.

>>>> Important

- When printing to oversized paper sizes, use paper that has the following necessary margins added to the document size.
 - Cut sheet: 6 mm or more added to width and 23 mm or more added to height of document size
 - Roll paper: 6 mm or more added to width and 6 mm or more added to height of document size

>>>> Note

• An oversized paper size cannot be used for the largest paper size that can be loaded in the printer.

• To set an oversized paper size for a non-standard paper size, register the paper size in the **Paper Size Options** dialog box. An oversized paper size cannot be set for paper sizes that were set in the **Custom Size Settings** dialog box.

Setting Paper Dimensions (Custom Size)

You can specify the height and width of paper when its size cannot be selected from the **Page Size**. Such a paper size is called "custom size."

There are two ways of setting a user-defined paper, setting the paper from **Size Options...** on the **Page Setup** tab and setting the paper from **Custom Size** of **Page Size**.

If you will be using a user-defined paper repeatedly, setting it from **Size Options...** is convenient because it becomes registered to **Page Size** and can be selected any time after that.

If you want to use a user-defined paper temporarily, setting it from **Custom Size** is suitable.

The procedure for specifying a custom size is as follows:

Setting from Paper Size Options

- 1. Open the printer driver setup window
- 2. Click Size Options... on the Page Setup tab

E Canon Printing Preferences		×
Main Page Setup Layout Favorites	Ubility	
	Page Size :	Letter (8.5"x11") ~
S	Borderless Printi	
	Fit Paper Size	reng
	O Fit Roll Paper W	Ndth
	Scaling	Auto 🗘 🕸 (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size	Printer Paper Size :	Same as Page Size $\qquad \lor$
Letter (8.5'x11'') : 8.50 in x 11.00 in	Orientation	trat 🚺 🔿 Landscape
	🗐 🗌 Rotate Page 90) degrees
	Paper Source :	Roll Paper v
К	Roll Paper Width :	24 in Rol (509.6mm) 🗸 🗸
		Roll Paper Options
		Size Options Defaults
	ОК	Cancel Apply Help

The Paper Size Options dialog box opens.

3. Set user-defined paper

Set **Custom Paper Size Name**, **Units**, and **Size**, and then click **Add**. For **Size**, specify an size or select the paper size to be used from **Paper Size List**. To narrow down the paper sizes displayed in **Paper Size List**, select the **Display Series** check box.

sper Size List :			Custom Paper Size Name	1	
Name # 81 # 82 # 83 # 84 287x40" (ANSI E) 287x40" (ANSI F) 227x34" (ANSI D) 177x22" (ANSI C) 177x22" (ANSI C) 117x17" (Ledger B) Letter (8.5'x11") Delete	Size 28.66 x 40.55 20.28 x 28.66 14.33 x 20.28 10.12 x 14.33 34.00 x 44.00 28.00 x 40.00 22.00 x 34.00 17.00 x 22.00 13.00 x 19.00 11.00 x 17.00 8.50 x 11.00	*			4 - 36.10)
Display Series 2 I ISO A(A) 2 ISO B(B) 3 JIS (B3.	3, B4,)	Ø5 AR		Photo Other	
Oversize					

>>>> Note

- By selecting the **Borderless Printing Size** check box for **Size**, you can select a size from the paper sizes that support **Borderless Printing**. By selecting the **Fix the Ratio of the Width to Height** check box, you can change the size while keeping the **Width** and **Height** ratio.
- 4. Set user-defined paper

Click OK, then it returns to Page Setup tab.

The paper size registered by using **Custom Paper Size Name** is registered to **Custom Paper Size** of **Page Size** and can be selected at any time.

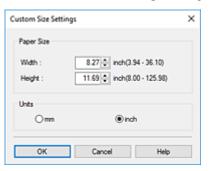
Setting from Custom Size

- 1. Open the printer driver setup window
- 2. Select the paper size

For Page Size on the Page Setup tab, select Custom Size from the Custom Paper Size list.

				Page	Size :	Custom Size	
	1				orderless Printing	Borderless Setting	2
				Enlarge	d/Reduced Printing		
					Paper Size		
				08	Roll Paper Width		
				0.5	aing	Auto 🗘 % (5 - 600)	
Cus	tom Size :					6	
	82 Actual Size	(7 in x 11	69 in	eve Pinte	r Paper Size :	Same as Page Size	~
Cus	Actual Size :			Orientation			
		27 in x 11.	69 in		A Portrat	▲ ◯ Landscape	
					- O'ronau	C canoscape	
		-		📶 🗆 Р	lotate Page 90 degr	ees	
1	-	1-2	7	_			
				Paper Sourc	e:	Roll Paper	
	X			Roll Paper V	Adh :	24 in Roll (609.6mm)	
						Roll Paper Option	
						Holl Paper Option	S

The Custom Size Settings dialog box opens.



3. Set the custom paper size

Enter the Width and Height values of the paper to be used, specify the Units, and then click OK.

4. Complete the setup

Click **OK** on the **Page Setup** tab. When you execute print, the data is printed with the specified paper size.

>>>> Important

- If the application software that created the document has a function for specifying height and width values, use the application software to set the values. If the application software does not have such a function or if the document does not print correctly, perform the above procedure from the printer driver to set the values.
- Printing may be disabled depending on the size of the specified user-defined media. For information about printable sizes for user-defined media, see "<u>Paper Sizes</u>."
- Any paper size that was set by using **Custom Size** can no longer be used after the application software is closed.

>>>> Note

- If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can still print but you may not be able to obtain correct print results.
- The maximum configurable size with **Custom Size** is 3.2m.

Set a Custom Size Roll Width

By specifying the roll paper width with a value, you can use roll paper with a width that cannot be selected in **Roll Paper Width**.

The procedure for setting custom size roll width is described below.

- 1. Open the printer driver setup window
- 2. Select the paper source

From the Paper Source list on the Page Setup tab, select Roll Paper.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Utity Page Size : Borderless Printi Enlarged/Reduced Pr Fit Paper Size Fit Roll Paper W Scaling	inting
Letter (8.5%117): 850 in x 11 00 in Actual Size Letter (8.5%117): 850 in x 11 00 in	Printer Paper Size : Orientation	trat 🛆 🔿 Landscape
Ter	Paper Source : Roll Paper Width :	Roll Paper V 24 in Roll (503.6mm) V Roll Paper Options
	ок	Size Options Defaults Cancel Apply Help

3. Select paper roll width

In Roll Paper Width, select Custom Size (XXXX). The Custom Size Settings dialog box opens.

4. Set paper roll width

Enter the roll width you want to use, specify **Units**, and then click **OK**.

×	gs	Custom Size Setting
		Roll Paper Width
inch(8.00 - 36.10)	24103	Widh :
		Units
inch		Omm
nel Helo	Carcel	ОК
() inch		Units

>>>> Note

- If the value you entered is the same as the standard roll width, a message will be displayed, and the standard roll paper size will be set.
- Get the paper information of the printer from **Get Information** in the **Main** tab.
- **5.** Complete the setup

Click OK on the Page Setup tab.

If you perform the print, the roll paper with the specified width will be used for printing.

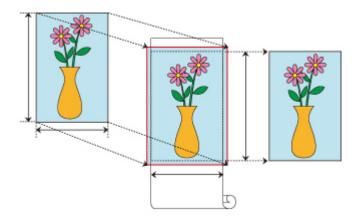
>>>> Note

• If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can execute Print, but you may not obtain the correct printing result.

Printing without Edges Based on the Scenarios

- Printing without Margins to Match Paper Size
- > Printing without Margins to Match Roll Paper Width
- > Printing Full-Size without Margins
- > Three-sided Borderless Printing on Roll Paper

Printing without Margins to Match Paper Size



The procedure for borderless printing by enlarging or reducing documents to match paper size is described below.

- 1. In the printer driver, open the settings screen
- 2. Select the paper source

From the Paper Source list on the Page Setup tab, select Roll Paper.



- The feeding methods you can choose from vary depending on paper settings.
- 3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

Place a checkmark next to the Borderless Printing option.

	Page Setup	Layout	Favortes	Utility				
	-			르	Page Size :	Letter (8	.5'x11')	~
Let	ter (8.5"x11")	: 50 in x 11			Borderless Print derless Printing Meth Pit Paper Size Scale to fit Roll Print Image with Printer Paper Size	Paper Width h Actual Size	Borderle	ss Setting
24	Borderless In Roll (609.6r 24			Orie	Initation A Provide Page 9		▲ O Lands	саре
1		5/1	5	Paper	Source :	Roll Pap	æ	~
	- સ		þ	Roll P	aper Width :	24 in Ro	ol (609.6mm) Roll Pap	er Options
		4				Size Optic		Defaults

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Select a method for printing borderless

Select Fit Paper Size in Borderless Printing Method.

If the size of the document is different from the size of the paper you want to print on, select the paper size you want to print on from **Printer Paper Size**.

6. Complete the setting process

Click OK.

If you print now, the document will be printed without margins to fit the paper size.

>>>> Important

- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.
- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper.

When this happens, crop the image with the application software to match paper size.

- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Automatic Cutting list. When you do so, the document will be printed without the left and right margins. After the printed material has exited the printer and has been cut, cut the upper and lower edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

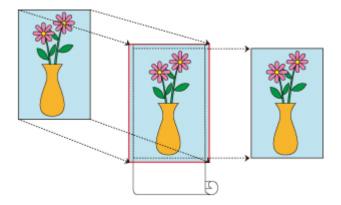
You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

• Margins may be formed on the left and right of the document even when borderless printing is set. Also, stains may appear on the back of the paper. If margins are formed on the left and right of the document, adjust the amount extending off paper during borderless printing from the printer's control panel.
 See "Borders appear in borderless printing" for details on how to set the amount extending off paper.

>>>> Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

Printing without Margins to Match Roll Paper Width



Procedure for printing borderless by enlarging/reducing documents to match roll paper width.

- 1. In the printer driver, open the settings screen
- 2. Select the paper source

From the Paper Source list on the Page Setup tab, select Roll Paper.

Important

- The feeding methods you can choose from vary depending on paper settings.
- 3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

Place a checkmark next to the Borderless Printing option.

Canon Printing Preferences Main Page Setup Layout Favortes	Lhity	>
Letter (8.5'x11') : 8 Sol in x 11 00 in Borderless (Rol Wdb) 24 in Rol (609 Smi) :	Page Sze : Borderless Printing Meth Borderless Printing Meth Pft Paper Sze Scale to ft Rel Print Image with Printer Paper Size Odertation	hod I Paper Width In Actual Size
24 00 n x 31 10 in	A	
	ОК	Roll Paper Options Size Options Defaults Cancel Apply Help

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Select a method for printing borderless

Select Scale to fit Roll Paper Width in Borderless Printing Method.

- 6. Complete the setting process
 - Click OK.

Job will print to the entire roll width without a white border.

>>>> Important

- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.
- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper.

When this happens, crop the image with the application software to match paper size.

- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Automatic Cutting list. When you do so, the document will be printed without the left and right margins. After the printed material has exited the printer and has been cut, cut the upper and lower edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

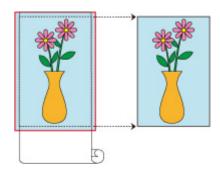
You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

- Margins may be formed on the left and right of the document even when borderless printing is set. Also, stains may appear on the back of the paper.
- If margins are formed on the left and right of the document, adjust the amount extending off paper during borderless printing from the printer's control panel.
 See "Borders appear in borderless printing" for details on how to set the amount extending off paper.

>>>> Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

Printing Full-Size without Margins



Procedure for printing borderless images in the same size as the original document without enlarging/ reducing them.

- 1. In the printer driver, open the settings screen
- 2. Select the paper source

From the Paper Source list on the Page Setup tab, select Roll Paper.



- The feeding methods you can choose from vary depending on paper settings.
- 3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

Place a checkmark next to the **Borderless Printing** option.

850 in x 11.00 in Printer Paper Sce : Auto		Page Size :	Letter (8.5"x11")
(8.5'x11'): 8.50 in x 11 00 in Borderkass (Itol Width) 24 00 in x 31 10 in 24 00 in x 31 10 in Pinter Paper Size : Auto Pinter Paper Size : Auto Pinter Paper Size : Auto Orientation Orientation Pinter Paper Size : Auto Orientation Pinter Paper Size : Auto Pinter Paper Size : Auto Orientation Pinter Paper Size : Auto Pinter Paper Size :	<u>.</u>		
			lod
r (8.5'x11'): 850 in x 11 00 in Bodderless (Bol Woch) Rol (Bol Woch) Rol (Bol Woch) 24 00 in x 31.10 in Image: State of the s		<u> </u>	Paper Width
S 50 in x 11 00 in Auto Borderkess (Boll Width) Roll (609 Gmm) : 24 00 in x 31.10 in Orientation Image: State Page 90 degrees Image: State Page Width : Image: State Page Width :			
Berderless (BA Woth) Orientation Roll (609 6mm) : 24 00 in x 31.10 in 24 00 in x 31.10 in Image: Constraint of the second	tter (8.5"x11") :	-	
24 00 in x 31.10 in Image: Constant in the second	8.50 in x 11.00 in Borderless (Roll Widh)		100
A Potrat A Clandscape A Clandscape		Orientation	
Paper Source : Roll Paper Roll Paper Width : 24 in Roll (509 Gmm)	24.00 m x 31.10 m	▲ @ Pc	otrait 🔥 🛆 Landscape
Paper Source : Roll Paper Roll Paper Width : 24 in Roll (509.6mm)	And the second second	Batate Page 9	0 degrees
Roll Paper Width : 24 in Roll (\$09.6mm)	TIM		
		Paper Source :	Roll Paper
			24 in Rol (609 from)
		Roll Paper Width :	24 m Hos (oub.onm)
	- <u>N</u> -	Roll Paper Width :	

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Select a method for printing borderless

Select Print Image with Actual Size in Borderless Printing Method.

6. Complete the setting process

Click OK.

Job will print to original size without white border.

Important

• If **Amount of Extension** is set to the second from the right, create the source document with a size 2mm larger on each of the top, bottom, left and right sides than the size of the paper you wish to print.

Important

- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.
- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper.

When this happens, crop the image with the application software to match paper size.

- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Automatic Cutting list. When you do so, the document will be printed without the left and right margins. After the printed material has exited the printer and has been cut, cut the upper and lower edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

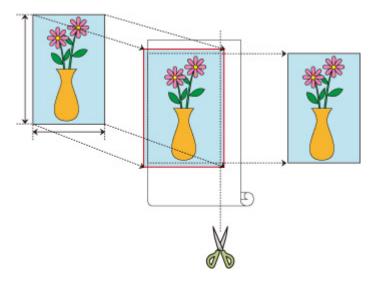
You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

- Margins may be formed on the left and right of the document even when borderless printing is set. Also, stains may appear on the back of the paper.
- If margins are formed on the left and right of the document, adjust the amount extending off paper during borderless printing from the printer's control panel.
 See "Borders appear in borderless printing" for details on how to set the amount extending off paper.

>>>> Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

Three-sided Borderless Printing on Roll Paper



In normal borderless printing, paper sizes that match the width of the roll paper are combined to print without borders on all four sides.

If you use the three-sided borderless printing feature, you can combine paper sizes that don't match the roll paper width, and print with no borders on three sides. However, if you perform three-sided borderless printing, you need to cut the right side of the paper after printing.

Three-sided Borderless Printing to Match Paper Size

The procedure for three-sided borderless printing by enlarging or reducing documents to match paper size is described below.

- 1. Open the printer driver setup window
- 2. Select the paper source

From the Paper Source list on the Page Setup tab, select Roll Paper.

3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

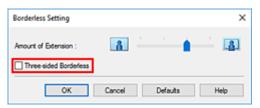
In the Page Setup tab, place a checkmark next to the **Borderless Printing** option.

Car	non Pri	inting Pr	eferences				
ain	Page Setup	Layout	Favortes	Ublity			
	-			Page Size :	L	etter (8.5"x11")	Ý
	<u>.</u>			Borderles	_	Borderless Settin	ng
				Borderless Printing			
				O Fit Paper	Size		
				Scale to	it Roll Paper W	idth	
				O Print Imag	pe with Actual S	ŝize	
Let	ter (8.5"x11") :			Printer Pape	Charlen III	uto	
	8.5 Borderless	50 in x 11		rinerrape	5420 :	0.0	Ŷ
24	in Roll (609.6m		+17	Orientation			
_	24.0	00 in x 31	10 in		Portrait	▲ ◯ Landscape	
					0.000	-	
		-		📶 🗆 Rotate P	age 90 degrees	5	
1	-	17	7				
				Paper Source :	F	Roll Paper	~
	- A			Roll Paper Width :	2	4 in Roll (609.6mm)	~
						D.10	
		~				Roll Paper Optio	ns
					0	te Options Defa	
						Dera	uts
				ОК	Cano	el Acoly	Help
				UN	Carlo	a nepy	nep

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Click Borderless Setting

When the **Borderless Setting** dialog box is displayed, place a checkmark next to **Three-sided Borderless**, and then click **OK**.



6. Select a method for printing borderless

In the **Borderless Printing Method** tab, place a checkmark next to the **Fit Paper Size** option. If the size of the document is different from the size of the paper you want to print on, select the paper size you want to print on from **Printer Paper Size**.

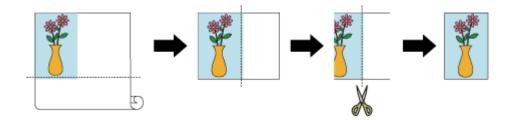
7. Complete the setting process

Click OK.

If you print now, the document will be printed without margins on three sides to fit the paper size.

8. Cut the right side of the paper

Cut the margin on the right side of the paper with scissors after printing. Cut slightly to the inside of the margin as the document is enlarged to extend slightly beyond the specified size. To get the document to standard size, it is recommended to take measurements and cut in the correct positions.



Printing Full-Size without Margins on Three Sides

The procedure for three-sided borderless printing in the same size as the original document without enlarging or reducing the size is described below.

- 1. Open the printer driver setup window
- 2. Select the paper source

From the Paper Source list on the Page Setup tab, select Roll Paper.

3. Select paper roll width

For paper roll width, enter the same value set in the printer under Roll Width.

4. Select borderless printing

In the Page Setup tab, place a checkmark next to the Borderless Printing option.

ain Page Setup Layout Favo			
	Page Size :	Letter (8.5'x11'')	
<u>*</u>	Borderless P	inting Borderless	Setting
	Borderless Printing Me	ethod	
	O Fit Paper Siz	e	
	Scale to ft R	Iol Paper Width	
	O Print Image v	with Actual Size	
Letter (8.5"x11") :			
8.50 in x 11.00 in	Printer Paper Si	ae: Auto	~
 Borderless (Roll Width) 24 in Roll (609.6mm) : 	Orientation		
24.00 in x 31.10 in		Portrat 🚺 🔿 Landsce	
	<u>_</u>	Portrat Dunosce	(pe
A series and a series of the s	🔚 🗆 Rotate Page	e 90 degrees	
E IN			
	Paper Source :	Roll Paper	
- H-	Roll Paper Width :	24 in Roll (609.6mm)	
		Roll Paper	Options
		Size Options	Defaults

After the **Information** dialog is displayed, under **Roll Width**, select the same paper width as that of the paper roll loaded in the printer and click **OK**.

5. Click Borderless Setting

When the **Borderless Setting** dialog box is displayed, place a checkmark next to **Three-sided Borderless**, and then click **OK**.



6. Select a method for printing borderless

In the **Borderless Printing Method** tab, place a checkmark next to the **Print Image with Actual Size** option.

If the size of the document is different from the size of the paper you want to print on, select the paper size you want to print on from **Printer Paper Size**.

7. Complete the setting process

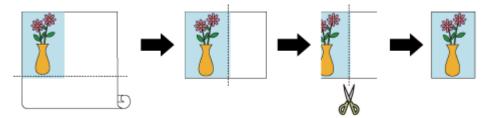
Click OK.

If you print now, the document will be printed without margins on three sides while retaining the same document size.

8. Cut the right side of the paper

Cut the margin on the right side of the paper with scissors after printing.

To get the document to standard size, it is recommended to take measurements and cut in the correct positions.



>>>> Important

- If you place a checkmark next to the **Borderless Printing** option, the **Page Layout** and **Print Centered** options in the **Layout** tab will be displayed in gray out and you will not be able to configure them.
- Depending on paper size, the length/width ratio of the paper may be different from that of the image, making it impossible for the whole image to fit on the paper.

When this happens, crop the image with the application software to match paper size.

- When printing borderless, printing may stop abruptly and the paper will be cut causing a slight color unevenness on the edges of the paper. If you require exceptionally high quality, in the Roll Paper Options dialog box select No from the Automatic Cutting list. When you do so, the document will be printed without the left margin. After the printed material has exited the printer and has been cut, cut the upper, lower, and right edges with a pair of scissors.
- When printing borderless on paper with low ink-fixing properties, depending on frequency of use, the cutter unit may come into contact with the paper surface scratching it and causing the paper to be unevenly cut.

You may be able to improve the situation by clicking **Specify...** on the **Main** tab and, in the **Paper Detailed Settings** dialog box, under **Drying Time**, set **Between Pages** to a higher value.

- Margins may be formed on the left of the document even when borderless printing is set. Also, stains may appear on the back of the paper.
- If margins are formed on the left of the document, adjust the amount extending off paper during borderless printing from the printer's control panel.
 See "Borders appear in borderless printing" for details on how to set the amount extending off paper.

>>>> Note

• When using applications like Microsoft Word which allow you to set margins, set margins to 0 mm.

Printing Hanging and Horizontal Banners (Large-Format Printing)

A drapery or banner up to 18.0m can be made by enlarging or reducing original documents made on application software.

However, there are cases in which an 18.0 meter banner cannot be printed because the application software used has limits on the document size that can be set.

The procedure for printing hanging and horizontal banners is as follows:

Print for width of roll

- 1. Create document by using application software
- 2. Open the printer driver setup window
- 3. Select the paper size

Select the same original paper size created in the application soft in the **Page Setup** tab's **Page Size**. In the event an optional size is set in the application software, select **Custom Size** from **Custom Paper Size** in **Page Size** and <u>designate size</u> in the dialog box that appears.

4. Select roll width

Select the equivalent to the paper width of the roll set in the printer under Roll Width.

5. Set Enlarged/Reduced Printing

Check Enlarged/Reduced Printing and select Fit Roll Paper Width.

When the **Information** dialog box appears, select the equivalent to the paper width of the roll set in the printer.

	Page Size :	Letter (8.5'x11')
1	Borderless Print	
	Enlarged/Reduced P	Winting
	⊖ Fit Paper Size	
	Fit Roll Paper V	
	○ Scaling	Auto 🗘 🛠 (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size	Auto
+ Roll Width: 287%		
24 in Roll (609.6mm) : 24.00 in x 31.18 in	Orientation	
	▲ 🖲 Po	otrat 🔥 🔿 Landscape
	📶 🗆 Rotate Page 9	0 degrees
	Paper Source :	Roll Paper
	Roll Paper Width :	24 in Roll (509.6mm)
- M		Roll Paper Options
<u>∕*</u> ₩-		
		Holl Paper Options

6. Complete the setup

Click OK.

When printing is executed, a drapery or banner can be printed according to the roll.

Enlarge and print

1. Register user-defined paper

Register both the actual desired print size (user-defined paper 1) and original document size created in application (user-defined document size 2) in the <u>Size Options...</u> under the **Page Setup** tab.

>>>> Note

• Please set user-defined paper 2 to the same aspect ratio as user-defined paper 1. If the aspect ratio differs, the enlarged image may not turn out to be the expected size.

After creating user-defined paper 1, if user-defined paper 2 is created after checking **Fix the Ratio of the Width to Height**, settings can be set to the same aspect ratio.

Also set user-defined paper 2 to a size that doesn't exceed the maximum size supported by the application.

For example, when printing on paper 600mm wide and 3,000mm long, use the following settings.

(when setting length to 1/6 the user-defined paper)

- User-defined paper 1: Width600mm, Height3,000mm
- User-defined paper 2: Width100mm, Height500mm
- 2. Create original document in application software

Use registered user-defined paper 2 to create original document in application software.

- 3. Open printer driver settings screen
- 4. Select Paper Size

Select registered user-defined paper 1 from Custom Paper Size in Page Setup tab's Page Size.

5. Complete the setup

Click OK.

When you print, the hanging or horizontal banner is printed by using the user-defined size.

>>>> Note

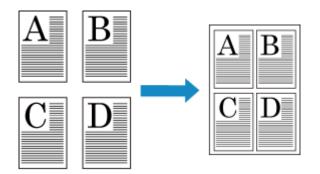
- Maximum printable length is 18.0m. In the event the enlarged length exceeds 18.0m, the part of the image exceeding the length will not be printed.
- If printing cannot be performed correctly, you may be able to improve printing by using **Special Settings** on the **Layout** tab to change **FineZoom Settings** to **Yes**.

Printing by Dividing/Joining Documents

- Inputting Multiple-file Documents into Free Layout plus
- Lining Up and Printing Multiple Documents to Cut Sheets
- Printing by Connecting Multiple Pages
- > Printing Multiple Pages All on One Page
- Dividing and Printing Posters

Lining Up and Printing Multiple Documents to Cut Sheets

You can line up multiple documents that were created separately and print them together on one page.



You must install imagePROGRAF Printer Driver Extra Kit to use this function. Go to the Canon website, download imagePROGRAF Printer Driver Extra Kit, and then install it.

The procedure for lining up and printing multiple documents to cut sheets is as follows:

1. Open the printer driver setup window

2. Select Free Layout

On the Layout tab, select the Page Layout check box, and then from the pull-down menu, select Free Layout.

Canon Printing Preferences	Unity	×
	Page Layout :	Free Layout
	Stamp :	CONFIDENTIAL V
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size Letter (8.5"x11") :	Print Centere	
8.50 in x 11.00 in	No Spaces a	
N	Copies :	I 0 (1 • 999) Pint from Last Page Collate
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

3. Complete the setup

Click OK.

When you print, Canon imagePROGRAF Free Layout starts. Canon imagePROGRAF Free Layout allows you to edit and rearrange images.



• To lay out multiple application software documents onto one page, repeat steps 1 to 3 without closing the Canon imagePROGRAF Free Layout window.

Printing by Connecting Multiple Pages

You can eliminate the blank spaces between pages in a document that extends over multiple pages and print the document as one continuous document.

The procedure for printing by connecting multiple pages is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper source

In Paper Source, select Roll Paper.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Utilty	
	Page Size :	Letter (8.5"x11") ~
<u>1</u>	Borderless Printing	
	Fit Paper Size	
	C Fit Roll Paper Wid	th
	Scaling	Auto 🗘 🛠 (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	Same as Page Size $\qquad \lor$
Actual Size Letter (8.5'x11") :	Orientation	
8.50 in x 11.00 in	▲	at 🔥 🔿 Landscape
Anna	-	
	C Rotate Page 90 d	legrees
	Paper Source :	Roll Paper 🗸
N N	Roll Paper Width :	24 in Roll (609.6mm) ~
		Roll Paper Options
	[Size Options Defaults
	ОК	Cancel Apply Help

Important

- The paper feed method will differ according to the paper settings.
- 3. Set roll paper options

Click **Roll Paper Options** to display the **Roll Paper Options** dialog box. Select the **Banner Printing** check box, and then click **OK**.

The current settings are displayed in the settings preview on the left side of the Page Setup tab.

Roll Paper Options	×
Automatic Cutting :	Yes ~
Banner Printing	
OK Cancel	Defaults Help

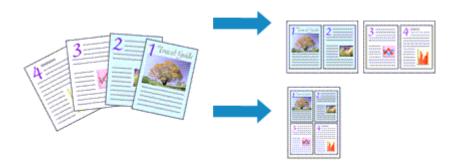
4. Complete the setup

Click **OK** on the **Page Setup** tab.

When you print, the document is printed with the print conditions you set.

Printing Multiple Pages All on One Page

The page layout printing function allows you to print more than one page image on a single sheet of paper.



The procedure for printing multiple pages all on one page is as follows:

- 1. Open the printer driver setup window
- 2. Select the print paper size

From the Page Size list on the Page Setup tab, select the size of the paper loaded in the printer.

	Page Size :	Letter (8.5"x11")
*	Borderless Print	
	Enlarged/Reduced P	Writing
	In Fit Paper Size	
	O Fit Roll Paper W	Vidth
	Scaling	Auto 🗘 🛠 (5 - 600)
8.5'x11") : 8.50 in x 11.00 in	Printer Paper Size	Same as Page Size
Actual Size		
x11"): 8.50 in x 11.00 in	Orientation	(T) -
~	▲ () Po	strat 🔥 🔿 Landscape
And and a second second	Rotate Page 9	0 degrees
LIM.		
	Paper Source :	Roll Paper
	Roll Paper Width :	24 in Roll (609.6mm)
X		
M		Roll Panar Ontines
N		Roll Paper Options

3. Set number of pages to be printed per sheet

On the Layout tab, select the Page Layout check box, and from the pull-down menu, select 2 Pages/ Sheet, 4 Pages/Sheet, 6 Pages/Sheet, 8 Pages/Sheet, 9 Pages/Sheet, or 16 Pages/Sheet. The current settings are displayed in the settings preview on the left side of the window.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Ubity	
	Page Layout :	2 Pages/Sheet V
1 2		Şet
	Stamp :	CONFIDENTIAL
Letter (8.5"x11") :		Define Stamp
8 50 in x 11.00 in Actual Size	Pring Centered	
Letter (8.5"x11") : 8.50 in x 11.00 in	San Botate 180 de	grees
	🛄 🗌 No Spaces at	Top or Bottom
	Copies :	1 💭 (1 - 999)
N		Print from Last Page Collate
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

4. Set the number of pages to be printed on one sheet and the page order

If necessary, click **Set...**, specify the following settings in the **Page Layout Printing** dialog box, and click **OK**.

Page Layout Printing			×
	Page Order :	Left to right	~
5 1 2	Page Border :	None	~
		OK Cancel Defaults	Help

Page Order

To change the page arrangement order, select a placement method from the list.

Page Border

To print a page border around each document page, check this check box.

5. Complete the setup

Click **OK** on the **Layout** tab.

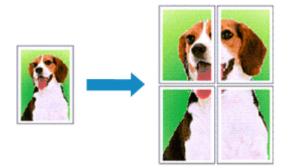
When you execute print, the specified number of pages will be arranged on each sheet of paper in the specified order.

>>>> Important

 When there is a checkmark attached to Banner Printing on the Page Setup tab, Page Layout is grayed out and cannot be set.

Dividing and Printing Posters

The tiling/poster printing function allows you to enlarge image data, divide it into several pages, and print these pages on separate sheets of paper. You can also paste the pages together to create a large print like a poster.



The procedure for dividing and printing posters is as follows:

Setting for Dividing and Printing Posters

- 1. Open the printer driver setup window
- 2. Select the print paper size

From the Page Size list on the Page Setup tab, select the size of the paper loaded in the printer.

	Page Size :	Letter (8.5'x11')
1	Borderless Printi	
	Enlarged/Reduced Pr	inting
	Interpretation Fit Paper Size	
	Fit Roll Paper W	idth
	Scaling	Auto 🗘 🛠 (5 - 600)
n x 11.00 in	Printer Paper Size :	Same as Page Size
20		
in x 11.00 in	Orientation	
	▲ (1) Por	trat 🚺 🔿 Landscape
()	Rotate Page 90	degrees
20		
	Paper Source :	Roll Paper
T	Roll Paper Width :	24 in Roll (609.6mm)
		Roll Paper Options
4		

3. Set number of divisions

On the Layout tab, select the Page Layout check box, and from the pull-down menu, select Poster (1 x 2) or Poster (2 x 2).

The current settings are displayed in the settings preview on the left side of the window.

ain Page Setup Layout Favorites	Ubity	
	Page Layout :	Poster (2 x 2)
	Stamp :	CONFIDENTIAL Define Stamp
Letter (8.5"x11") : 850 in x 11.00 in Actual Size	Print Center	ed
Letter (8.5"x11") : 8.50 in x 11.00 in	Solution Spaces	degrees at Top or Bottom
T	Copies :	1 (1 - 999) Print from Last Page Collate
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

4. Complete the setup

Click **OK** on the **Layout** tab.

When you execute print, the document will be divided into several pages during printing.

Important

• When there is a checkmark attached to **Banner Printing** on the **Page Setup** tab, **Page Layout** is grayed out and cannot be set.

Printing Only Specific Pages

If ink becomes faint or runs out during printing, you can reprint only the specific pages by following the procedure below:

1. Display Pages to Print dialog box

For Page Layout, click Set... to display the Pages to Print dialog box.

2. Set print range

Clear the check boxes of the pages you do not want to print. In the setting view, the pages that you cleared are deleted and only the pages to be printed are displayed.

Check the pages to be printed, and then click **OK**.

Pages to Print	⊠1 ⊠3	≥2 ≥4		×
	Q	incel	Defaults	Invert

Note

- In the setting view on the left side of the Pages to Print dialog box, you can also clear the display by clicking the pages you do not want to print.
 To redisplay a cleared page, click that page again.
- To switch the pages to display/hide, click **Invert** in the **Pages to Print** dialog box.
- 3. Complete the setup

Click **OK** on the **Layout** tab.

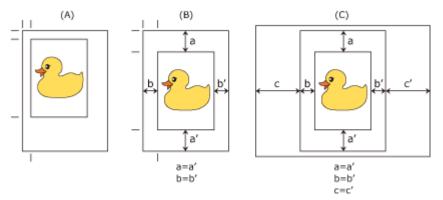
When you print, only the specified pages are printed.

>>>> Important

• If you partition and print as a poster, the source document will be printed in enlarged form, so the print results may become rough.

Printing Document in Center of Paper

When you want to position the source document in the middle of the cut paper and print, or print with even margins on the right and left in relation to the width of the roll paper, use the **Print Centered** function. The print results when setting with **Print Centered** are as follows. Normally, if **Print Centered** is set when printed as in (A), it will be printed as in (B) for cut paper and (C) for roll paper.



>>>> Note

 When setting the magnification using Scaling from Enlarged/Reduced Printing on the Page Setup tab and printing, the start point for enlarge/reduce will always be fixed based on the top left corner of that page. For that reason, for reduced printing, the bottom and right margins of the paper will increase. At this time, if you place a checkmark next to Print Centered on the Layout tab, the top, bottom, left and right margins can all be printed evenly.

The procedure for printing in the center of the paper is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Aan Page Setup Layout Favortes		lain Paper	
	Easy Settings Print Target :	Get Information	Specify
Letter (8.5"×11"): 8.50 in x 11 00 in Actual Size Letter (8.5"×11"): 8.50 in x 11 00 in		Default Settings Photo (Color) Poster CAD (Color Line Drawing) CAD (Monochrome Line Dr Perspective, GIS	awing)
	Print Quality :	Standard	v
	Suitable for print text, photograph	ing normal documents that corns and graphics.	itain a mixture of
N	Preview before	pinting	View Settings
-			

3. Select the paper size

Select the size of the paper you want to print from Page Size on the Page Setup tab.

Canon Printing Preferences Main Page Setup Layout Favorites	Utility	×
	Page Size :	Letter (8.5"x11") ~
	Borderless Printi	ng Borderless Setting
	Enlarged/Reduced Pr	inting
	In Paper Size	
	O Fit Roll Paper W	idth
	Scaling	Auto 🗘 🙁 (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	
Actual Size Letter (8.5"x11") :	Orientation	
8.50 in x 11.00 in		trat 🚺 🔿 Landscape
	ERCtate Page 90	
	Paper Source :	Roll Paper V
N	Roll Paper Width :	24 in Roll (609.6mm) ~
		Roll Paper Options
		Size Options Defaults
	ОК	Cancel Apply Help

4. Set magnification as necessary

Where necessary, attach a checkmark next to **Enlarged/Reduced Printing**, and set according to the objective.

5. Select the paper source

For **Paper Source**, select the setting that matches your purpose.

>>>> Important

• The paper feed method will differ according to the paper settings.

6. Select roll paper width

If you selected a roll paper for **Paper Source**, set **Roll Paper Width** to the width of the roll paper loaded in the printer.

7. Print document in the center of paper

Select the Print Centered check box on the Layout tab.

Canon Printing Preferences		×
Main Page Setup Layout Favoriter	Utility	
	Page Layout :	▶ Poster (2 x 2) ∨
	Samp :	CONFIDENTIAL
Letter (8.5'x11'): 850 n x 11 00 n • Actual Size Letter (8.5'x11'): 850 n x 11 00 n	Copies :	_
	Page Options OK	Special Settings Defaults Cancel Apply Help

8. Complete the setup

Click OK.

When you print, the document is printed in the center of the paper.

Printing by Saving Roll Paper

- Saving Roll Paper by Rotating Document 90 Degrees
- > Saving Roll Paper by Eliminating Upper and Lower Margins on Document

Saving Roll Paper by Rotating Document 90 Degrees

When printing a portrait document on roll paper, you can save paper by rotating the document 90 degrees and printing the document so that it is oriented horizontally relative to the paper.

The procedure for saving paper by rotating the document 90 degrees is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Canon Printing Preferences Main Page Setup Layout Favortes	Utility	>
	Media Type : Plain Paper	~
*	Get Information Specify	
	Easy Settings V	
Letter (8.5'x11'): 8.50 in x 11.00 in Actual Size Letter (8.5'x11'): 8.50 in x 11.00 in	Print Target : Photo (Color) Photo	
	Print Quality : Standard	~
	Suitable for printing normal documents that contain a moture of text, photographs and graphics.	< >
	Vew Settings	
	Preview before pinting	
	Status Monitor About Default	8
	OK Cancel Apply H	elp

3. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

4. Select the paper source

In Paper Source, select Roll Paper.

Important

- The paper feed method will differ according to the paper settings.
- 5. Selecting Paper Saving

Select the Rotate Page 90 degrees check box.

The current settings are displayed in the settings preview on the left side of the window.

_	. age comp	Layout	Favortes					
				븯	Page Size :	Letter (S	1.5°x11")	~
	-				Borderless Printi	ing	Borderless S	letting
					Enlarged/Reduced Pr	inting		
					If Paper Size			
					O Fit Roll Paper W	lidth		
					Scaling	Auto	\$ (5 - 600)	
Let	tter (8.5"x11") :			.[A]	Printer Paper Size :	Carrow	s Page Size	~
	Actual Size	50 in x 11	00 in		Finiter Faper 3420 :	20m0 0	s nage size	~
	tier (8.5"x11") :			Orie	ntation			
	8.5	50 in x 11	.00 in		▲ @ Po	frait	🔥 🔿 Landscap	
		-					-	~
		-		6	Rotate Page 90	0 degrees		
- 1		17		_		_		
				Paper	Source :	Roll Pag	xer	~
				Roll P	aper Width :	24 in Ro	oll (609.6mm)	~
	4	~					Roll Paper O	ations.
		4					noi rapero	

6. Select roll paper width

For **Roll Paper Width**, select the width of the roll paper loaded in the printer.

🖶 Canon Printing Preferences		×
Main Page Setup Layout Favorites	Ubley	
	Page Size :	Letter (8.5"x11") ~
1	Borderless Printi	-
	Enlarged/Reduced Pr	ntng
	O Fit Roll Paper W	idth
	Scaling	Auto 🗘 🙁 (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	Same as Page Size $\qquad \lor$
Actual Size Letter (8.5"x11"):	Orientation	
8.50 in x 11.00 in	▲ @ Po	trat 🚺 🔿 Landscape
	🗐 🗆 Rotate Page 90) degrees
	Paper Source :	Roll Paper V
B	Roll Paper Width :	24 in Roll (609.6mm) 🗸 🗸
		Roll Paper Options
		Size Options Defaults
	ОК	Cancel Apply Help

7. Complete the setup

Click OK.

When you print, you can rotate a portrait document 90 degrees to save paper.

>>>> Important

• When there is a checkmark attached to **Banner Printing** on the **Page Setup** tab, **Rotate Page 90 degrees** is grayed out and cannot be set. • When selecting paper in portrait format as the **Page Size** from the **Page Setup** tab, if the length in the vertical direction is longer than the width selected in **Roll Width**, even if a checkmark is placed next to **Rotate Page 90 degrees**, the page will not be rotated.

Saving Roll Paper by Eliminating Upper and Lower Margins on Document

When printing on roll paper, you can save paper by reducing the upper and lower margins when printing.

The procedure for saving paper by reducing the upper and lower margins is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

Tain Page Setup Layout Favorites		
Letter (8.5'x11'): 850 nx 11.00 n Actual Size Letter (8.5'x11'):	Media Type : Plan Paper Get Information Specify Easy Settings Pinit Target : Pinit Target : Photo (Color) Poster CAD (Color Line Drawing) CAD (Color Line Drawing) Perspective, GIS	
850 in x 11 00 in	Print Quality : Standard Sutable for printing normal documents that contain a mixture of text, photographs and graphics.	
N	View Settings Preview before printing Status Monitor About Defaults	

3. Select the paper size

From the **Page Size** list on the **Page Setup** tab, select the same size as that of the document that was created with the application software.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Utity Page Size :	Letter (8.5'x11'') ~
	Borderless Printi	
	Fit Paper Size	
	 Fit Roll Paper W Scaling 	Auto 🕼 % (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	
Actual Size Letter (8.5"x11"):	Orientation	
8.50 in x 11.00 in	▲ @ Po	rtrat 🚺 🔿 Landscape
	🗐 🗆 Rotate Page 90	D degrees
	Paper Source :	Roll Paper v
A L	Roll Paper Width :	24 in Rol (509.6mm) ~
		Roll Paper Options
		Size Options Defaults
	ОК	Cancel Apply Help

4. Select the paper source

For Paper Source, select Roll Paper.

>>>> Important

• The paper feed method will differ according to the paper settings.

5. Select roll paper width

For **Roll Paper Width**, select the width of the roll paper loaded in the printer.

6. Selecting Paper Saving

On the **Layout** tab, select the **No Spaces at Top or Bottom** check box. The current settings are displayed in the settings preview on the left side of the window.

Canon Printing Preferences Main Page Setup Layout Favorites	Utility	×
	Page Layout :	Poster (2 x 2)
	Stamp :	CONFIDENTIAL V
Letter (8.5"x11") : 8.50 in x 11.00 in Actual Size Letter (8.5"x11") : 8.50 in x 11.00 in	Print Cente	
	Copies :	at Top or Bottom
	:	Print from Last Page
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

7. Complete the setup

Click OK.

When you print, the upper and lower margins are reduced so that you can save paper.

Switching the Paper Source to Match the Purpose

This printer has two paper sources: Roll and Cut Sheet.

You can facilitate printing by selecting a paper source setting that matches your media type or purpose.

The procedure for setting paper source is as follows:

- 1. Open the printer driver setup window
- 2. Select the media type

Select the type of paper loaded in the printer from the **Media Type** list on the **Main** tab. If **Auto (Use Printer Settings)** is selected, the paper configured in printer settings is printed.

3. Select the paper source

From the Paper Source list on the Page Setup tab, select the paper source that matches your purpose.

Canon Printing Preferences		:
Aain Page Setup Layout Favorites	Ublity	
	Page Size :	Letter (8.5"x11") ~
*	Borderless Print	
	Enlarged/Reduced P	Vinting
	Fit Paper Size	
	O Fit Roll Paper V	
	Scaling	Auto 🗘 🕸 (5 - 600)
Letter (8.5"x11") : 8.50 in x 11.00 in	Printer Paper Size	Same as Page Size $\qquad \lor$
Actual Size Letter (8.5'x11'):	Orientation	
8.50 in x 11.00 in	▲ @ Pc	otrait 🔼 🔿 Landscape
1	Rotate Page 9	
	Paper Source :	Roll Paper ~
K	Roll Paper Width :	24 in Roll (609.6mm) ~
		Roll Paper Options
		Size Options Defaults
	ОК	Cancel Apply Help

Roll Paper

Feeds paper using roll paper.

Cut Sheet

Feeds paper using the cut paper.

Important

• The paper feed method will differ according to the paper settings.

4. Complete the setup

Click OK.

When you execute print, the printer uses the specified paper source to print the data.



• If the paper settings in the printer driver differ from the paper information registered on the printer, an error message may appear on the printer's operation panel. You can still print but you may not be able to obtain correct print results.

Displaying the Print Results before Printing

You can display and check the print result before printing.

The procedure for displaying the print result before printing is as follows:

- 1. Open the printer driver setup window
- 2. Set the preview

Check the Preview before printing check box on the Main tab.

Main Pag	ge Setup La	yout Favoriter	Utility			
	-		Media Type : 🛛 A	uto (Use Printer Settings)		Ŷ
	•			Get Information	Specify	
			Easy Settings	~		
+ A	ctual Size (5"x11") :	x 11.00 in		Default Settings Photo (Color) Poster CAD (Color Line Drawin CAD (Monochrome Line Perspective, GIS		
			Print Quality :	Standard		~
Î	2	P		ting normal documents that hs and graphics.	contain a moture of	^ ~
	X	4		[Vew Settings	
-			Preview before	printing		
			Status Mo	ntor About	Defaults	
			Status Mo	ntor About	Defaul	ts

3. Complete the setup

Click OK.

When you execute print, the Canon imagePROGRAF Preview opens and displays the print results.

Related Topic

Canon imagePROGRAF Preview

Other Convenient Settings

- Stamp Printing
- Setting a Page Size and Orientation
- Registering a Frequently Used Printing Profile
- Cutting Roll Paper after Printing

Stamp Printing

The **Stamp** function allows you to print a stamp text or a bitmap over or behind document data. It also allows you to print date, time and user name.

"CONFIDENTIAL," "IMPORTANT," and other stamps that are used often in companies are pre-registered.

The procedure for printing with a stamp is as follows:

- 1. Open the printer driver setup window
- 2. Select stamp

On the **Layout** tab, select the **Stamp** check box, and then select the stamp to use from the list. The current settings are displayed in the settings preview on the left side of the **Layout** tab.

Canon Printing Preferences		×
Main Page Setup Layout Favorites		er (2 x 2)
	Stamp : CONFIDENT	TAL V
Letter (8.5'x11'):	Print Centered Botate 180 degrees	
	No Spaces at Top or Bottom	
Tay		(1 - 999) m Last Page
	Page Options Special Setting	ps Defaults
	OK Cancel	Apply Help

3. Complete the setup

Click OK.

When you execute print, the data is printed with the specified stamp.

Registering a Stamp

You can create and register a new stamp. You can also change and re-register some of the settings of an existing stamp. Unnecessary stamps can be deleted at any time.

The procedure for registering a new stamp is as follows:

Registering a New Stamp

- 1. Open the printer driver setup window
- 2. Select stamp

On the Layout tab, select the Stamp check box, and click Define Stamp....

Canon Printing Preferences	د
Main Page Setup Layout Favorites	Utility
	Page Layout : Poster (2 x 2)
	Stamp : CONFIDENTIAL ~
	Define Stamp
Letter (8.5'x11") : 8.50 in x 11.00 in Actual Size	Print Centered
Letter (8.5"x11") : 8.50 in x 11.00 in	S
	No Spaces at Top or Bottom
	Copies : 10 (1 - 999)
	Print from Last Page
	Page Options Special Settings Defaults
	OK Cancel Apply Help

The Define Stamp dialog box opens.

Define Stamp		×
and a second sec	Stamps : CONFIDENTIAL COPY DRAFT FILE COPY FINAL	
		Add Delete
	Name :	CONFIDENTIAL
Postion	Text:	CONFIDENTIAL
E ×: 0 (-50 - 50)	Font :	Atal
X: 0 (-50 - 50)	Style :	Regular 🗸
Move to Center	Size :	72 🛊 Points (1 - 500)
Angle	Color :	Medum Gray
Arge ✓ © Tit Left ∖ Tit Right ○ Set Angle : 0° 180° 0° 180°	Outine AB Circle Square None	
	0	OK Cancel Help

3. Set stamp details

Click Add to add a new stamp (Untitled) to the list.

In **Name**, enter the name of the stamp to register, and in **Text**, enter the character string you want as the stamp.

Change the Font, Size, and Color settings as necessary.

4. Set the other items

Set the following items as necessary.

Outline

Selects a frame that encloses the stamp text string.

Print Style

Select the stamp print method.

Select **Transparent** to print the stamp on the back of the document, and select **Overlap** to print it on the front.

Position

Specifies the stamp position on the page.

Enter numbers in X and Y to set the coordinates, or drag the horizontal and vertical slide bars to the left/right or up/down to change the settings.

Angle

Set the stamp placement angle.

Enter a number in **Set Angle** to set the angle, or drag the slide bar to the left/right to change the setting.

Set the angle by entering a number in range of -180 to 180.

Stamp first page only

To print the stamp on the first page only, select this check box.

5. Complete the setup

Click **OK** to return to the **Layout** tab. The registered title appears in the **Stamp** list.

Changing and Registering Some of Stamp Settings

1. Select stamp

On the **Layout** tab, select the **Stamp** check box, and click **Define Stamp...**. The **Define Stamp** dialog box opens.

2. Select the stamp for which the settings are to be changed

From Watermark List, select the title of the stamp you want to change the settings for.

- 3. Configure each setting while viewing the preview
- **4.** Complete the setup

Click **OK** to return to the **Layout** tab. The registered title appears in the **Stamp** list.

Note

• The stamp registered as the default setting cannot be changed.

Deleting an Unnecessary Stamp

1. Select stamp

On the **Layout** tab, select the **Stamp** check box, and click **Define Stamp...**. The **Define Stamp** dialog box opens.

2. Select the stamp to be deleted

Select the title that you wish to delete from the **Watermark List** and click **Delete**. Click **Yes** when the confirmation message appears.

3. Complete the setup

Click OK to return to the Layout tab.

Note

• The stamp registered as the default setting cannot be deleted.

Setting a Page Size and Orientation

The paper size and orientation are essentially determined by the application software. When the page size and orientation set for **Page Size** and **Orientation** on the **Page Setup** tab are same as those set with the application software, you do not need to select them on the **Page Setup** tab.

When you are not able to specify them with the application software, the procedure for selecting a page size and orientation is as follows:

1. Open the printer driver setup window

2. Select the paper size

× Canon Printing Preferences Main Page Setup Layout Favorites Utility Page Size : Letter (8.5"x11") Borderless Printing Enlarged/Reduced Printing Fit Paper Size C Fit Roll Paper Width Auto 🗘 🛠 (5 - 600) Scaling Letter (8.5"x11" 8.50 in x 11.00 ir Printer Paper Size : Same as Page Size Actual Size Orientation 8.50 in x 11.00 ir A
Portrat \Lambda 🔿 Landscape 📶 🗌 Rotate Page 90 degrees Paper Source Roll Paper Roll Paper Width 24 in Roll (609.6mm) Roll Paper Options Size Options Defaults OK Cancel Apply Help

Select a page size from the Page Size list on the Page Setup tab.

3. Set Orientation

Select **Portrait** or **Landscape** for **Orientation**. Check **Rotate Page 90 degrees** check box when you want to perform printing with the original being rotated 90 degrees.

4. Complete the setup

Click OK.

When you execute print, the document will be printed with the selected page size and the orientation.

Registering a Frequently Used Printing Profile

You can register the frequently used printing settings to **Favorites**. Unnecessary printing profiles can be deleted at any time.

The procedure for registering a printing profile is as follows:

Registering a Printing Profile

- 1. Open the printer driver setup window
- 2. Set the necessary items

On the **Main** tab, the **Page Setup** tab, and the **Layout** tab, specify the print settings you want to register.

3. Display Add dialog box

On the Favorites tab, click Add....

Canon Printing Preferences	ity
Favortes :	Settings Details :
📲 🖥 Default Settings	Default Settings Main - Meda Type : [Auto (Use Printer Settings)] - Print Target : [Default Settings] - Print Printy : [Auto (Use Printer Settings)] - Print Printy : [Auto (Use Printer Settings)] - Print Quality : [Standard] - Color Mode : [Color] Thicken Fine Lines : [Off] Page Setup - Page Setup - Printer Pager Size : [Same as Page Size] - Enlarged/Reduced Printing : [Off] v
ED EV	Comment : Automatically selects the best mode for documents that contain a moture of text, photos, and graphics.
Apply Favorite	Delete Edit Add
Application Settings Priority	Import Export OK Cancel Acoly Help

The Add dialog box opens.



4. Register favorite setting

In **Name**, enter the name of the favorite. Set the **Icon** and **Comment** fields as necessary, and then click **OK**.

The name and the icon appear in the Favorites list.

To check the settings of the registered favorite, click Settings Details.

>>>> Note

• To save the settings of the favorite to a file, click Export... on the Favorites tab.

Printing Using Favorite Settings

- 1. Open the printer driver setup window
- 2. Apply favorite

From the **Favorites** list on the **Favorites** tab, select the favorite you want to use. Click **Apply Favorite** to replace the registered print settings.

3. Complete the setup

Click **OK**. When you print, the document is printed with the settings of the registered favorite.

Deleting Unnecessary Printing Profile

1. Select favorite to be deleted

Select the favorite you want to delete from the Favorites list on the Favorites tab.

2. Delete setting

Click **Delete**. When the confirmation message appears, click **OK**. The selected favorite is deleted from the **Favorites** list.

>>>> Note

- Printing profiles that are registered in the initial settings cannot be deleted.
- The settings of the favorite being applied to the current print settings cannot be deleted. To delete that favorite, select another favorite from the **Favorites** list, click **Apply Favorite** to apply the settings of that other favorite, and then delete the target favorite.

Cutting Roll Paper after Printing

The procedure for cutting roll paper automatically and printing cut guidelines is as follows:

- 1. Open the printer driver setup window
- 2. Select the paper source

In Paper Source, select Roll Paper.

🖶 Canon Printing Preferences		×			
Main Page Setup Layout Favorites	Utility				
	Page Size :	Letter (8.5"x11") ~			
	Borderless Printing				
	Fit Paper Size				
	 Fit Roll Paper Wid Scaling 	Auto 🜩 % (5 - 600)			
Letter (8.5"x11") : 8 50 in x 11.00 in Actual Size	Printer Paper Size :				
Letter (8.5"x11") : 8.50 in x 11.00 in	Orientation	at 🔥 🔿 Landscape			
	C Rotate Page 90 degrees				
	Paper Source :	Roll Paper 🗸 🗸			
N N N	Roll Paper Width :	24 in Roll (609.6mm) 🗸 🗸			
		Roll Paper Options			
	[Size Options Defaults			
	ОК	Cancel Apply Help			

>>>> Important

- The paper feed method will differ according to the paper settings.
- 3. Display Roll Paper Options dialog box

Click Roll Paper Options to display the Roll Paper Options dialog box.

Roll Paper Option	ns		×
Automatic Cutting	-	Yes	~
ОК	Cancel	Defaults	Help

4. Set auto cut

From Automatic Cutting, select the item that matches your purpose.

The current settings are displayed in the settings preview on the left side of the Page Setup tab.

• Yes

The roll paper is cut automatically after printing.

• No

The roll paper is not cut after printing.

Print Cut Guideline

Cut guidelines are printed for cutting the roll paper manually after printing.

>>>> Note

• The default setting for automatic cutting is **Yes**.

After completing the setting, click **OK** to return to the **Page Setup** tab.

5. Complete the setup

Click **OK** on the **Page Setup** tab.

When you print, the roll paper is cut automatically after printing or cut guidelines are printed.

HP-GL/2 Printing

This printer supports printing using the original Canon SG Raster printer control language and printing using HP-GL/2 and HP RTL.

The printer automatically switches to the corresponding processing depending on whether SG Raster and HP-GL/2 or HP RTL job is received.

>>>> Note

- SG Raster is an abbreviation of Swift Graphic Raster.
- HP-GL/2 is an abbreviation of Hewlett-Packard Graphics Language/2, and HP RTL is an abbreviation of Hewlett-Packard Raster Transfer Language.
- Emulation is good for obtaining results similar to printing on other printers.

When printing from applications that support HP-GL/2 or HP RTL output, specify HP-GL/2 or HP RTL in the plotter output printer language settings.

HP-GL/2 and HP RTL emulation related settings are configured from the printer operation panel. For further details, refer to "<u>HP-GL/2 Settings</u>."

Note Note

• For instructions on configuring these settings, refer to the software documentation. It may not be possible to print jobs with excessively large amounts of data correctly.

Printing from Smartphone/Tablet

For more on printing from a device, refer to the device's or application's instruction manual.

Connecting Smartphone/Tablet to Printer Directly (Wireless Direct)

Connecting Smartphone/Tablet to Printer Directly (Wireless Direct)

You can connect devices (e.g. smartphone, or tablet) to the printer by two methods below.

- Wi-Fi connection (connecting devices using a wireless router)
- Wireless Direct connection (connecting devices without using a wireless router)

This section describes wireless direct, which allows you to print by connecting the devices to the printer directly.

Follow the procedure below to use wireless direct.

- 1. Change the Printer Setting to Wireless Direct Connection
- 2. Connect Wi-Fi Direct Compatible Devices such as Smartphones and Tablets to the Printer

This section also describes changing wireless direct connection to Wi-Fi connection.

M Change the Printer Setting to Wi-Fi Connection

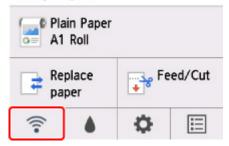
Important

- · Check the usage restrictions and switch the printer to the wireless direct.
 - Restrictions
- The administrator password is required to change settings if it is enabled for changing settings using the operation panel.
- If a device has already been connected to the printer directly and you want to add a device to connect, connect it to the printer directly. You can connect up to 5 devices to the printer at the same time.

Change the Printer Setting to Wireless Direct Connection

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap the Network icon.

Ready to print



Depending on the current LAN status, the icon displayed on the button may differ.

Menu Operations

3. Tap Wireless Direct.

4. Tap Settings.

- 5. Tap Enable/disable Wireless Direct and tap Yes.
- 6. Confirm displayed message and tap OK.

After Wireless Direct is enabled, the identifier (SSID) etc. when using the printer with wireless direct connection are displayed.

By flicking the touch screen, you can check various settings of wireless direct.

Note Note

- The identifier (SSID) and password are specified automatically.
- By tapping **Show passwd.**, you can check the password. The password is required when connecting a device to the printer. (Depending on the device you are using, no password is required.)
- By tapping **Settings**, you can change the following settings.
 - Enable/disable Wireless Direct
 - Update SSID/password
 - Wireless Direct device name
 - Connection request confirmation

For updating the SSID / password or changing the name of the printer displayed on Wi-Fi Direct compatible device, see <u>Change Wireless Direct Connection Setting</u>.

Connect Wi-Fi Direct Compatible Devices such as Smartphones and Tablets to the Printer

1. Turn on Wi-Fi communication on Wi-Fi Direct compatible device.

For more on turning on Wi-Fi communication, see your device's instruction manual.

 Select "DIRECT-XXXX-TA-30" ("X" represents alphanumeric characters) from list displayed on device.

>>>> Note

- If "DIRECT-XXXX-TA-30" does not appear on the list, wireless direct is not enabled.
 See <u>Change the Printer Setting to Wireless Direct Connection</u> to enable wireless direct.
- You can change the name of the printer displayed on Wi-Fi Direct compatible devices. See Change Wireless Direct Connection Setting as necessary.
- 3. Enter password on Wi-Fi Direct compatible device.

The device is connected to the printer.



- You can check the password set for the printer by the following method.
 - 1. On the HOME screen, tap (Network).
 - 2. Tap Wireless Direct.
 - 3. Tap Show passwd..
- If your Wi-Fi Direct compatible device is set to prioritize using Wi-Fi Direct and it is connecting to the printer, the printer displays a confirmation screen asking if you allow the device to connect to the printer.

Make sure the name on the touch screen is the same as that of your Wi-Fi Direct compatible device and tap **Yes**.

Change Wireless Direct Connection Setting

- 1. <u>Make sure printer is turned on.</u>
- 2. On the HOME screen, tap (Network).
 - Menu Operations
- 3. Tap Wireless Direct.
- 4. Tap Settings.
- 5. Change settings as necessary.
 - To update the identifier (SSID) and the password for wireless direct

Tap Update SSID/password to display the confirmation screen.

To update the identifier (SSID) and the password, tap Yes.

To check the updated password, tap Show passwd..

• To change the printer's name displayed on the Wi-Fi Direct compatible device

Tap **Wireless Direct device name** to display the printer's name (the initial value is "DIRECT-XXXX-TA-30") displayed on a Wi-Fi Direct compatible device.

Follow the procedure below to change the name.

- 1. Tap the device name entry field on the touch screen.
- 2. Enter device name (up to 32 characters).
- 3. Tap **OK** and confirm the entered device name.
- 4. Tap **OK**.

• To change the confirmation screen setting when a Wi-Fi Direct compatible device is connecting to the printer

Tap **Connection request confirmation** to display the confirmation screen.

If you want the printer to display the screen to inform you a Wi-Fi Direct compatible device is connecting to the printer, tap **Yes**.

Important

• To prevent an unauthorized access, we recommend you should not change the setting from the default.

When you finished performing the settings, the printer returns to the Wireless Direct settings screen.

6. Touch HOME button.

The HOME screen appears.

>>>> Note

• If you change the wireless direct setting on the printer, also change the setting on the device.

Change the Printer Setting to Wi-Fi Connection

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap (Network).
 - Menu Operations
- 3. Tap Wi-Fi.
- 4. Tap Settings.
- 5. Tap Enable/disable Wi-Fi and tap Enable.
- 6. Confirm displayed message and tap OK.

Windows Software

- Printer Driver
 - Overview of the Printer Driver
 - Printer Driver Description
 - Updating the Printer Driver
- Printing Using Canon Application Software
 - PosterArtist on the Web
 - PosterArtist Guide
 - Easy-PhotoPrint Editor Guide
 - Preview Guide
 - Free Layout plus Guide
 - Direct Print & Share Guide
 - Quick Utility Toolbox Guide
 - IJ Network Device Setup Utility Guide
 - Media Configuration Tool Guide
 - Device Management Console Guide
 - Accounting Manager Guide

Printer Driver

- Overview of the Printer Driver
- Printer Driver Description
- Updating the Printer Driver

Overview of the Printer Driver

- Canon IJ Printer Driver
- Changing the Print Options
- Canon imagePROGRAF Preview
- > How to Open the Printer Driver Setup Window
- > Updating Media Information in Printer Driver
- Setting Accounting Information
- Deleting the Undesired Print Job
- Canon IJ Status Monitor
- Instructions for Use (Printer Driver)

Canon IJ Printer Driver

The Canon IJ printer driver (called printer driver below) is a software that is installed on your computer for printing data with this printer.

The printer driver converts the print data created by your application software into data that your printer can understand, and sends the converted data to the printer.

Because different models support different print data formats, you need a printer driver for the specific model you are using.

Installing the Printer Driver

Load the Setup CD-ROM that comes with the printer, and then install the driver from Start Setup.

Specifying the Printer Driver

To specify the printer driver, open the **Print** dialog box of the application software you are using, and select "XXX" (where "XXX" is your model name).

Displaying the Manual from the Printer Driver

To display a description of a tab in the printer driver setup window, click the Help button found on the tab.

Related Topic

How to Open the Printer Driver Setup Window

Changing the Print Options

You can change the detailed printer driver settings for print data that is sent from an application software.

Check this check box if part of the image data is cut off, the paper source during printing differs from the driver settings, or printing fails.

The procedure for changing the print options is as follows:

- 1. Open the printer driver setup window
- 2. Click Special Settings ... on the Layout tab

Dinting Preferences		×
Main Page Setup Layout Favorites	Utity	
	Page Layout :	Poster (2 x 2) ~
	Stamp :	CONFIDENTIAL V
Letter (8.5'x11'): 850 in x 11 00 in Actual Size Letter (8.5'x11'): 850 in x 11 00 in	Print Cente	
R	Copies :	1 at Top or Bottom
	Page Options	Special Settings Defaults
	ОК	Cancel Apply Help

The Special Settings dialog box opens.

Parameter Settings Socialing at Printer Driver Auto FineZoom Settings Auto Preview Switching Off			
FineZoom Settings Auto			_
Preview Switching Off			
			- 1
Application Color Matching Priority On			- 1
Fast Graphic Process On			- 1
Disable the color profile setting of the application software Off			
Adjust Faint Lines Off			
Shaman Test On		 	

3. Change the individual settings

If necessary, change the setting of each item, and then click **OK**.

The Layout tab is displayed again.

Canon imagePROGRAF Preview

The Canon imagePROGRAF Preview is an application software that displays what the print result will look like before a document is actually printed.

The preview reflects the information that is set within the printer driver and allows you to check the document layout, print order, and number of pages. You can also change the media type and paper source settings.

When you want to display a preview before printing, open the <u>printer driver setup window</u>, click the **Main** tab, and check the **Preview before printing** check box.

When you do not want to display a preview before printing, uncheck the check box.

Related Topic

Displaying the Print Results before Printing

How to Open the Printer Driver Setup Window

You can display the printer driver setup window from the application software in use or from the printer icon.

Open the Printer Driver Setup Window through the Application Software

Follow the procedure below to configure printing profile when printing.

- Select the command that you perform printing on the application software In general, select **Print** on the **File** menu to open the **Print** dialog box.
- 2. Select your model name and click **Preferences** (or **Properties**)

The printer driver setup window appears.



• Depending on application software you use, command names or menu names may vary and there may be more steps. For details, refer to the user's manual of your application software.

Opening the Printer Driver Setup Window from the Printer Icon

Follow the procedure below to perform printer maintenance operations such as print head cleaning, or to configure a printing profile that is common to all application software.

1. Display the Devices and Printers window

Select the Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers.

 Right-click your model name icon, and then select **Printing preferences** from the displayed menu

The printer driver setup window appears.

Important

 Opening the printer driver setup window through Printer properties displays such tabs regarding the Windows functions as the Ports (or Advanced) tab. Those tabs do not appear when opening through Printing preferences or application software. For tabs regarding Windows functions, refer to the user's manual for the Windows.

Updating Media Information in Printer Driver

This function gets the latest media information from the printer and updates the media information in the printer driver.

When the media information is updated, the media displayed for **Media Type** on the **Main** tab is updated to the latest information.

The procedure for updating media information is described below.

1. Display the Devices and Printers window

Select the **Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers**. The **Devices and Printers** window is displayed.

2. Display setup window

Right-click the "Your model name" icon, and select **Printer properties**. The printer's **Properties** window appears.

3. Update media information

Click Update Media Information the Device Settings tab.

When a confirmation message appears, click Start.

If the paper information on the driver cannot be updated, click **Initial Check Items** and check the displayed information.

The printer driver media information will update.

>>>> Important

• It may take some time to update the media information.

4. Finish updating media information

When a confirmation message appears, click **OK**. The media information will be updated.

Important

- Restart the printer driver after updating media information.
- Do not change media information on the printer while you are updating media information on the driver.

Important

- Ensure that a user with administrative privileges carries out the media information update. Users other than administrators can check if a media information update is required, but cannot carry out the update itself.
- When you have added, deleted, or edited media using administrative tools (the Media Configuration Tool) but have not updated the media information, issues may arise such as the inability to print.

Setting Accounting Information

By setting accounting information, you add IDs to print jobs, and use the printer and cost management tool to tabulate print history information for any ID.

The procedure for setting accounting information is described below.

1. Display the Devices and Printers window

Select the **Control Panel -> Hardware and Sound (Hardware) -> Devices and Printers**. The **Devices and Printers** window is displayed.

2. Display setup window

Right-click the "Your model name" icon, and select **Printer properties**. The printer's properties window appears.

3. Click Accounting on the Device Settings tab

🕾 Cano	n Pr	opertie	5					×
General	Sharing	Ports	Advanced	Color Manageme	t Security	Device Settings		
	F							
	F		\mathbf{Y}					
4								
		4						
	Jpdate Med	ia Inform	ation	Accounting	1	Device Information		About
					ОК	Cancel	Apply	Help

The Accounting dialog box opens.

Accounting	х
Account ID : Account ID2 : Prohibits Account ID changes	
OK Cancel Help	

4. If necessary, complete the following settings:

Account ID/Account ID2

Enter the account ID to be set. Enter the ID by using up to 20 alphanumeric characters (0 to 9, a to z, and A to Z).

Prohibits Account ID changes

Prohibits changes to account IDs that have already been set. Check this check box to prevent other users from changing IDs.

5. Apply the settings

Click OK.

The **Device Settings** tab is displayed again. The settings are enabled hereafter.

>>>> Note

Prohibits Account ID changes can be set only by users with Administrator rights.

If this is set, users without Administrator rights may not be able to set **Account ID** and **Account ID2**.

Deleting the Undesired Print Job

If the printer does not start printing, canceled or failed print job data may be remaining. Delete the undesired print job by using the Canon IJ Status Monitor.

- 1. Open the printer driver setup window
- 2. Display the Canon IJ Status Monitor

Click **Status Monitor...** on the **Main** tab. The Canon IJ Status Monitor appears.

3. Display the print jobs

Click **Display Send Queue**. The print queue window opens.

4. Delete the print jobs

Select the print jobs you want to delete, and select **Cancel** from the **Document** menu. When the confirmation message appears, click **Yes**.

The deletion of the print job is complete.

>>>> Important

 Users who have not been granted access permission for printer management cannot delete the print job of another user.

Canon IJ Status Monitor

The Canon IJ Status Monitor is an application software that shows the status of the printer and the progress of printing. You will know the status of the printer with graphics, icons, and messages.

Launching the Canon IJ Status Monitor

The Canon IJ Status Monitor launches automatically when print data is sent to the printer. When launched, the Canon IJ Status Monitor appears as a button on the task bar.

Click the button of the status monitor displayed on the task bar. The Canon IJ Status Monitor appears.

💕 Canon 🐘 🛛 - 🛛	200-P0008.caron.rel	-		х	
Option Remote UI	Help				
Ē	Printing.			< >	
Document Name:	Test Print.txt - Notepad				
Owner:	5-2010-P10308				
Printing Page:	1/1				
Remaining Printing Tim	e of Current Page: Printing will finish soon.				
	Display Send Queue	Car	ncel Print	ing	
Estimated ink levels					
Estimated Maintenance Cartridge Usage					
Paper Feed					

>>>> Note

- To open the Canon IJ Status Monitor when the printer is not printing, open the <u>printer driver setup</u> <u>window</u> and click **Status Monitor...** on the **Main** tab.
- The information displayed on the Canon IJ Status Monitor may differ depending on the country or region where you are using your printer.

When Errors Occur

If an error occurs (e.g., if the printer runs out of paper or if the ink is low), the Canon IJ Status Monitor displays an error information dialog box.

Canon III - III - III - IIII - IIII	
Support Code : 1005 Paper out.	
Check the printer's operation panel.	
	Cancel Printing

In such cases, take the appropriate action as described.

Checking the Ink Status from Your Computer

You can check the remaining ink level and the ink tank types for your model.

- 1. Open the printer driver setup window
- 2. Launching the Canon IJ Status Monitor

On the **Main** tab, click **Status Monitor...**. The Canon IJ Status Monitor opens.

3. Display Estimated ink levels

Ink status is displayed as an illustration.

🤀 Can	on 🐘 🖩 - 🗎	210-P1088.canon.nd		-		х
Option	Bemote UI	Help				
ç		Printer is online.				< >
Docume	nt Name:					
Owner:						
Printing	Page:					
Remainin	ng Printing Tim	e of Current Page:				
			Display Send Que	ue i	Cancel Pri	nting
۲	Estimated ink	levels				
۲	Estimated Ma	intenance Cartridge Usage				
۲	Paper Feed					

>>>> Note

• The information displayed on the Canon IJ Status Monitor may differ depending on the country or region where you are using your printer.

Instructions for Use (Printer Driver)

This printer driver is subject to the following restrictions. Keep the following points in mind when using the printer driver.

Restrictions on the Printer Driver

- Before installing, log on to Windows as user with administrator rights.
- · Always check the following before installing the software.
 - 1. Quit the application software while it is running.
 - 2. If you are printing a document, abort printing or wait for it to finish.
 - 3. Close all the printer driver's dialog boxes.
- If you can set the number of copies with the application software, set them either with the printer driver or the application software.
- If you can configure enlarging/reducing settings with the application software, set the normal size (100%) in the printer driver, and then configure the magnification factor with the application software.
- Depending on the application software used, it may be possible to print collated copies; however, please do not use this feature when configuring layout printing with the **Page Layout** option in the **Layout** tab.

This may cause incorrect layout.

- When printing enlarged/reduced documents, printed results may come out different due to a discrepancy between the image data resolution and the enlarging/reducing ratio.
- When printing reduced color images, 1-dot wide lines or points may disappear from the color images.
- Depending on the application software, lines drawn at almost horizontal angles may not print correctly.

If that should happen, re-draw the line horizontally and print one more time.

• Immediately after installing (or updating) the printer driver, you might not be able to visualize new features in some of the application software.

In all application software provided with printing features, choose Print from the File menu and, after selecting the printer you are using, click the Properties.

After the Properties dialog box has opened, immediately close it by clicking OK.

- If characters strings specified as stamps have a large number of characters, or if the characters have a large point size, you may not be able to print stamp strings.
- If characters strings specified as stamps contain external characters after F040, you will not be able to print the stamp strings.
- If you update the model name of your printer through the General tab in the printer's Properties, the Favorites settings registered in the printer driver will be disabled.
 In such cases, save the Favorites settings as a file before changing the name of the printer and reload the saved file after you have updated the printer's name.
- Printing at high resolution requires a large amount of memory on your computer.
 When your computer is low on memory or you are using a large number of application software, the application software may not work correctly.

In such cases, re-start Windows and, before resuming printing, close all the applications you are not using. Also, when the printer is not printing correctly, switch the **Print Quality** setting in the **Main** tab to a lower resolution.

- When using a local connection, if you do not see a check mark next to the **Enable bidirectional support** option in the **Ports** tab in the printer's Properties, it will not be possible to acquire printer and device information correctly.
- If you are you are using your printer with a USB connection, refrain from using standby mode. You can set standby mode through the **Power Options** on the **Control Panel**.
- In case of a large amount of print data, the printer may time-out during printing and you may no longer be able to print.

In such cases, in the **Advanced** tab in the printer's Properties, choose **Spool print documents so program finishes printing faster** and place a check mark next to **Start printing after last page is spooled**.

• Fine lines and gradients may not print correctly.

In such cases, choose Print from the File menu of application software and, after opening from there the property dialog box of the printer driver, follow the procedure below and then run printing.

- 1. In the Main tab, uncheck Preview before printing.
- 2. In the Layout tab, uncheck Page Layout.
- 3. If you are using a 32-bit driver, in the **Layout** tab, click on **Special Settings** to open the **Special Settings** dialog box and turn off **Fast Graphic Process**.
- In case of a large amount of print data, the printer may time-out during printing and you may no longer be able to print.

In such cases, you may be able to print by increasing the time set in Job timeout in the printer's control panel.

- Depending on the application used, if you print using features like enlarging/reducing, layout printing, page borders and so on, some of the data in the resulting printed document, for example graphics, may differ from the source document.
- If you print very large images from your computer when it's running low on memory, you may not be able to print correctly; for example, it may take a very long time to print or parts of the image may end up missing.

In such cases, try printing after following the procedure indicated below.

- If you are using a 32-bit driver, open the **Layout** tab and click **Special Settings**. Turn off **Fast Graphic Process**.
- Increase your computer memory.
- Increase the virtual memory of your operating system.
- To print to cut sheets, you must use the Free Layout function. Go to the Canon website, download imagePROGRAF Printer Driver Extra Kit, and then install it.
- Do not change the **Print Processor...** settings in the **Advanced** tab in the printer Properties. If you change them, you will not be able to use the following features correctly.
 - The Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab
 - The Canon imagePROGRAF Preview feature
- In the cases described below, you will not be able to use the Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab as well as the Canon imagePROGRAF Preview feature.
 - When right-clicking on the printer icon and choosing from See what's printing: Printer -> Pause
 Printing, or when right-clicking on the printer icon and choosing Pause Printing
 - When right-clicking on the printer icon and choosing from **See what's printing**: **Printer -> Use Printer Offline**, or when right-clicking on the printer icon and choosing **Use Printer Offline**

- When printing during hours other than those set in **Available from** and **To** in the **Advanced** tab in the printer's Properties
- When printing with the **Enable advanced printing features** turned off in the **Advanced** tab in the printer's Properties
- When printing with **Print directly to the printer** enabled in the **Advanced** tab in printer's Properties
- When printing after the printing port in the **Ports** tab in the printer's Properties has changed to **FILE:**
- When printing after choosing Output to file in the Print dialog box in the application software
- If you perform a point-and-print installation, you will not be able to use the Free Layout and the Edit Using PosterArtist features of Page Layout in the Layout tab as well as the Canon imagePROGRAF Preview feature.
- If you print after setting **Free Layout** and **Edit Using PosterArtist**, refrain from printing from other drivers.
- If you combine specific **Print Quality** with large paper sizes, you may not be able to correctly print stamps and borders.
- In the Canon imagePROGRAF Preview, characters and fine lines visualized in the View screen may look differ from printed results. In such cases, try choosing the Layout tab, opening the Special Settings dialog and turning on Preview Switching.

Points to Note About Applications with Restrictions

- If, in Microsoft Excel, you tick **Collate** and then you print more than one copy, or if you do **Entire workbook** after configuring different settings in each tab, you may not be able to perform layout printing nor to get the intended printing results.
- If you try to print data on a very large-size paper through applications like Adobe Illustrator, you may not be able to print.

In such cases, try printing after following the procedure indicated below.

- Open the Main tab and uncheck Preview before printing.
- If you are using a 32-bit driver, open the Layout tab and click Special Settings. Turn off Fast Graphic Process.
- Increase the virtual memory of your operating system.
- If you are using Adobe Illustrator, turn off/on **Bitmap printing** in the Print dialog box.
- In the cases described below, you will not be able to use the **Free Layout** and the **Edit Using PosterArtist** features of **Page Layout** in the **Layout** tab.
 - When printing from application software which do not allow EMF spooling, like Adobe Photoshop LE, MS Photo Editor, Ace Draw and others.
- When printing from Adobe Photoshop, tone jumps may occur in the gradation of black and white photographs.
- When printing data created with Microsoft Word using **Enlarged/Reduced Printing** or **Borderless Printing**, you may not be able to print correctly.

In such cases, try printing after following the procedure indicated below.

- Open the printer folder from the start menu, right click on the printer icon and select Printing preferences. Launch the application after setting, in the Page Setup tab, Page Size, Enlarged/ Reduced Printing and Borderless Printing.
- $\circ\,$ Open Microsoft Word's $\mbox{Page setup}$ dialog box and close it by clicking $\mbox{OK}.$

• After configuring the printer driver, close momentarily the **Print** dialog box without printing. Then, open the printer driver's set up screen once again, close it by clicking **OK**, and run printing.

Printer Driver Description

- Main Tab Description
- Page Setup Tab Description
- Layout Tab Description
- Favorites Tab Description
- Maintenance Tab Description
- Device Settings Tab Description
- > Canon IJ Status Monitor Description

Main Tab Description

The **Main** tab allows you to create a basic print setup in accordance with the media type. Unless special printing is required, normal printing can be performed just by setting the items on this tab.

Canon Printing Preferences	>
Letter (8.5'x11'): 8.50 in x 11.00 in Actual Size Letter (6.5'x11'):	Media Type : Main Paper Get Information Specify Easy Settings Print Target : Print Target : Print Color) Poster
850 in x 11.00 in	Print Quality : Standard Suitable for printing normal documents that contain a mixture of text, photographs and graphics. View Settings

Settings Preview

The paper illustration shows how the original will be laid out on a sheet of paper.

You can check an overall image of the layout.

The printer illustration shows how to load paper to match the printer driver settings.

Check whether the printer is set up correctly by looking at the illustration before you start printing.

Media Type

Selects a type of printing paper.

Select a media type that matches the paper that is loaded in the printer. This ensures that printing is carried out properly for the specified paper.

Get Information...

Opens the Paper Information on Printer dialog box.

You can check the settings on the printer and apply the checked settings to the printer driver.

Specify...

Open the **Paper Detailed Settings** dialog box, and specify detailed print settings that match the media type loaded in the printer.

Pull-down menu

Switches the Easy Settings and Advanced Settings.

Easy Settings

This mode allows you to print by using pre-registered print settings.

Print Target

Print settings that are generally used frequently are pre-registered as print purposes. By using a print purpose to print, you can print by using settings that match the document.

Default Settings

Select this setting to print a general document such as an business documents.

Photo (Color)

Select this when printing a color illustration or a photograph.

Poster

Select this when printing a poster.

CAD (Color Line Drawing)

Select when printing data such as drawings.

CAD Monochrome

Select when printing data such as drawings in monochrome.

Perspective, GIS

Select when printing data such as perspectives and GIS.

Print Quality

Selects your desired printing quality.

Select one of the following to set the print quality level that is appropriate for the purpose.

Important

 Depending on the Media Type settings, the same print results may be produced even if the Print Quality is changed.

High

Gives priority to print quality over printing speed.

Standard

Prints with average speed and quality. Resolution settings depend on media type.

Fast

Gives priority to printing speed over print quality.

Custom

Opens the <u>Custom dialog box</u>. Select this when you want to set the printing quality level individually.

View Settings

Opens the View Settings dialog box.

Advanced Settings

This mode allows you to print by specifying detailed settings that match your purpose.

Print Priority

Select elements to prioritize for print results.

Image

Prioritize image results when printing.

Line Drawing/Text

Prioritize detailed lines and text when printing.

Auto (Use Printer Settings)

Use printer settings when printing.

Print Quality

Selects your desired printing quality.

Select one of the following to set the print quality level that is appropriate for the purpose.

Important

 Depending on the Media Type settings, the same print results may be produced even if the Print Quality is changed.

High

Gives priority to print quality over printing speed.

Standard

Prints with average speed and quality. Resolution settings depend on media type.

Fast

Gives priority to printing speed over print quality.

Custom

Opens the Custom dialog box.

Select this when you want to set the printing quality level individually.

Color Mode

Select the color to print.

Color

Prints with the number of colors in the document.

Monochrome

Print in grayscale.

Monochrome Bitmap

Print all non-white parts in black.

Color Settings

Opens the Color Settings dialog box.

You can adjust individual color settings such as **Cyan**, **Magenta**, **Yellow**, **Brightness**, and **Contrast** on the **Color Adjustment** tab, and select the **Color Correction** method on the **Matching** tab.

Thicken Fine Lines

Prints thin lines thicker for easier viewing.

Preview before printing

You can start up the Canon imagePROGRAF Preview, and check what the printing results will be before executing the print.

Check this check box to display a preview before printing.

Status Monitor...

Displays the status monitor.

About

Opens the **About** dialog box.

You can check information such as the version and copyright of the printer driver.

Defaults

Restores all the settings you have changed to their default values. Clicking this button restores all the settings on the current screen to their default values (factory settings).

Paper Detailed Settings dialog box

Drying Time

Wait time can be set to allow ink to dry. Between Pages settings are only enabled for roll paper.

Between Pages

The wait time until outputting paper can be set after printing one page. Time is taken before cutting roll paper to allow the ink to dry, so even when **Automatic Cutting** in the **Roll Paper Options** of the **Page Setup** tab is set to **Yes**, page may be dropped into the basket with dried ink.

Printer Default

Settings in printer unit control panel are applied.

None

Page will be output immediately after printing

30sec. / 1min. / 3min. / 5min. / 10min. / 30min. / 60min.

Page will be output after set amount of time has passed after printing.

Between Scans

The wait time until printing next scan can be set after printing one scan in page. Set in the event smudging occurs in the page, unevenness occurs in borderless printing, etc., and you would like to avoid this smudging and unevenness.

Printer Default

Settings in printer unit control panel are applied.

None

Next scan will be print immediately after first scan is print.

0.5sec. / 1sec. / 3sec. / 5sec. / 7sec. / 9sec.

Next scan will be print after the set amount of time has passed after printing one scan.

* If smudges and/or unevenness occur, please increase time.

Roll Paper Safety Margin

In order for heavily curling paper to absorb well in platen, length of margin established on edge of paper can be selected.

Near End Margin

Roll Near End Margin length can be set.

Printer Default

Settings in printer unit control panel are applied.

3mm

Will be print in standard size.

* Please select when there are no particular problems with printing.

20mm

Please select when rubbing of the print heads occurs, such as when heavily curling paper is being used.

Cut Speed

Select auto-cut speed. This can be adjusted when paper cannot be cut precisely with auto-cut.

Printer Default

Settings in printer unit control panel are applied.

Fast

Select when cut is not smooth with Standard settings.

Standard

Select when there are no particular problems with auto-cut.

Slow

If this is selected for paper with adhesive, the cutter will not stick to the adhesive easily and it will slow deterioration of the cutter's capabilities.

Unidirectional Printing

Controls color unevenness and unaligned ruled lines. Please check when printing in one direction.

Mirror

Select whether to print reflected image or not. When box is checked and turned on, text and images will be printed as if reflected in a mirror.

Custom dialog box

Set the quality level, and select the desired print quality.

Quality

You can use the slider bar to adjust the print quality level.

Important

• Certain print quality levels cannot be selected depending on the settings of Media Type.

>>>> Note

• The **High**, **Standard**, or **Fast** print quality modes are linked with the slider bar. Therefore when the slider bar is moved, the corresponding quality and value are displayed on the left. This is the same as when the corresponding radio button is selected for **Print Quality** on the **Main** tab.

View Settings dialog box

Print Target

Select the print purpose. The settings of the selected print purpose are displayed in Details.

Name

Displays the name of the selected print purpose.

Details

Displays the settings of the print purpose that was selected for Print Target.

Color Settings dialog box

Color Adjustment Tab

This tab allows you to adjust the color balance by changing the settings of the **Cyan**, **Magenta**, **Yellow**, **Tone**, **Brightness**, and **Contrast** options.

Preview

Shows the effect of color adjustment.

The color and brightness change when each item is adjusted.

View Color Pattern

Displays a pattern for checking color changes produced by color adjustment. If you want to display the preview image with a color pattern, check this check box.

Cyan / Magenta / Yellow

Adjusts the strengths of Cyan, Magenta, and Yellow.

Moving the slider to the right makes a color stronger, and moving the slider to the left makes a color weaker.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. This adjustment changes the relative amount of ink of each color used, which alters the total color balance of the document. Use your application if you want to change the total color balance significantly. Use the printer driver only if you want to adjust the color balance slightly.

Brightness

Adjusts the brightness of your print. You cannot change the levels of pure white and black. However, the brightness of the colors between white and black can be changed. Colors become darker as you drag the slider toward the right and brighter as you drag the slider toward the left. You can also directly enter brightness values that are linked to the slider bar. Enter a value in the range from -50 to 50.

Contrast

Adjusts the contrast between light and dark in the image to be printed.

Moving the slider to the right increases the contrast, moving the slider to the left decreases the contrast.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50.

Matching Tab

This is displayed when **Color** is selected for **Color Mode**.

Allows you to select the method for adjusting colors to match the type of document to be printed.

Color Correction

Allows you to select **Driver Matching**, **ICM**, **ICC Profile Matching**, or **None** to match the purpose of the print operation.

Driver Matching

Print with the optimal color using the driver's original color profile. Normally, you should choose this mode.

ICC Profile Matching

Carry out color matching using the ICC profile. Specify the input profile, printer profile and matching method in detail, and select when printing. You can use the digital camera or scanner ICC profile, or the ICC profile created using the profile creation tool.

ICM

Perform color matching on the host computer using the Windows ICM function. Select when printing from an ICM function-compatible application.

None

Print without performing color matching on the printer driver. Select this when performing color matching using applications such as Adobe Photoshop, or printing using a profile creation tool or color chart.

Important

• When setting not to use ICM in the application software, **ICM** and **ICC Profile Matching** of **Color Correction** do not function. There are also times when it does not print correctly.

Input Profile

Specifies the input profile to be used when you select ICC Profile Matching for Color Correction.

Printer Profile

Specifies the printer profile to be used when **ICC Profile Matching** is selected for **Color Correction**. Normally **Auto** is selected but you can also select a printer profile manually.

Rendering Intent

Specifies the matching method to be used when you select **Driver Matching**, **ICM**, or **ICC Profile Matching** for **Color Correction**.

Perceptual (Photo) / Perceptual

Reproduces colors of general photos naturally and features smooth gradation. In addition, selecting this setting allows you to adjust colors easily using an application software.

Saturation (Poster/CAD) / Saturation

Reproduces vivid colors on data such as a poster. In addition, prints in easy-to-see colors suitable for line drawing.

Relative Colorimetric

When image data is converted to the color space of the printer, this method converts the image data so the color reproduction approximates the shared color regions. Select this method to print image data with colors that are close to the original colors.

The white spots are reproduced as white spots (background color) on the paper.

Absolute Colorimetric

This method uses the white spot definitions in the input and output ICC profiles to convert the image data.

Although the color and color balance of the white spots change, you may not be able to get the desired output results because of the profile combination.

Important

- Depending on the media type, you may obtain the same print results even when you change the **Rendering Intent** setting.
- If Driver Matching is selected for Color Correction, then Relative Colorimetric and Absolute Colorimetric are not displayed.

Page Setup Tab Description

The Page Setup tab allows you to set borderless printing for a document and specify the scaling.

Canon Printing Preferences		×
Main Page Setup Layout Favorites	Ubility	
	Page Size :	Letter (8.5"x11") ~
	Borderless Printin	
	Enlarged/Reduced Prin	nting
	In Fit Paper Size	
	Fit Roll Paper Wo	
	Scaling	Auto 🗘 % (5 - 600)
Letter (8.5"x11") : 8 50 in x 11.00 in	Printer Paper Size :	Same as Page Size $\qquad \lor$
Actual Size Letter (8.5"x11") :	Orientation	
8.50 in x 11.00 in	 Ports 	rat 🚺 🔿 Landscape
	Rotate Page 90 4	degrees
	Paper Source :	Roll Paper V
K	Roll Paper Width :	24 in Roll (609.6mm) ~
		Roll Paper Options
	[Size Options Defaults
	ОК	Cancel Apply Help

Settings Preview

The paper illustration shows how the original will be laid out on a sheet of paper.

You can check an overall image of the layout.

The printer illustration shows how to load paper to match the printer driver settings.

Check whether the printer is set up correctly by looking at the illustration before you start printing.

Page Size

Selects a page size.

Ensure that you select the same page size as you selected within the application.

When you select **Custom Size** from **Custom Paper Size**, the <u>Custom Size Settings dialog box</u> appears, and you can specify any vertical and horizontal dimensions for the paper.

Borderless Printing

Chooses whether you are printing on a full page without any page margins or printing with page margins.

In borderless printing, originals are enlarged to extend slightly off the paper. Thus, printing can be performed without any margins (border).

Important

 When Cut Sheet is selected for Paper Source, Borderless Printing is grayed out and cannot be set.

Borderless Setting

Select **Borderless Printing** to enable it for clicking. Open the **Borderless Setting** dialog box, so that you can adjust **Amount of Extension**.

Borderless Printing Method

This appears when you select Borderless Printing.

Set the borderless printing method.

Fit Paper Size

Enlarge or reduce the document to match the size of the paper to be printed, and then print the document.

Scale to fit Roll Paper Width

You can enlarge or reduce the document to match the roll paper width and then print the document.

Print Image with Actual Size

Prints the document at its actual size.

When you select this check box, the **Information** dialog box appears, and you can select **Roll Width**.

Printer Paper Size

When you select the **Fit Paper Size** check box, you can specify the setting.

Select the size of the paper to be printed.

The list displays the paper sizes that support borderless printing.

Enlarged/Reduced Printing

You can enlarge or reduce a document and then print it.

When you select Enlarged/Reduced Printing, you can then set Fit Paper Size, Fit Roll Paper Width, or Scaling.

Fit Paper Size

Enlarge/reduce the document to match the size of the paper to be printed, and then print the document.

Fit Roll Paper Width

You can enlarge/reduce the document to match the roll paper width and then print the document.

Scaling

Enlarge or reduce the document to a specified scale before printing.

Printer Paper Size

When you select the **Fit Paper Size** check box, or **Scaling** check box, you can specify the setting. Select the size of the paper to be printed.

Orientation

Selects the printing orientation.

If the application used to create your document has a similar function, select the same orientation that you selected in that application.

Portrait

Prints the document so that its top and bottom positions are unchanged relative to the paper feed direction. This is the default setting.

Landscape

Prints the document by rotating it 90 degrees relative to the paper feed direction.

Rotate Page 90 degrees

Rotate the long edge of the document 90 degrees, match it to the width of the roll paper, and then print the document.

When you print a portrait document onto roll paper, you can save paper by rotating the document 90 degrees and print the document horizontally relative to the paper.

Paper Source

Shows the source from which paper is supplied.

You may be able to switch the paper source with the printer driver.

Roll Paper

Feeds paper using roll paper.

Cut Sheet

Feeds paper using the cut paper.

Important

• Depending on the media type and size, the Paper Source settings that can be selected may differ.

Roll Width

Select the roll paper width.

Select the width that matches the width of the roll paper loaded in the printer. If you select **Custom Size** (XXXX), the <u>Custom Size Settings dialog box</u> will be displayed, and the roll width can be specified to any value.

Roll Paper Options

Displays the **<u>Roll Paper Options</u>** dialog box.

You can specify auto cut, banner printing, and other settings for printing on roll paper.

Size Options...

Displays the Paper Size Options dialog box.

The Paper Size Options dialog box allows you to create and register any user-defined paper.

Custom Size Settings dialog box (Paper Size)

This dialog box allows you to specify the size (width and height) of the custom paper.

Paper Size

Specifies the **Width** and the **Height** of the custom paper. Measurement is shown according to the units specified in **Units**.

Units

Select the unit for entering a user-defined paper size.

Borderless Setting dialog box

Adjust how much of the document extends off the paper during borderless printing, and configure the three-sided borderless setting.

Amount of Extension

Adjusts how much of the document extends off the paper during borderless printing.

Moving the slider to the right increases the amount of extension and allows you to perform borderless printing with no problems.

Moving the slider to the left reduces the amount of extension and expands the range of the document to print.

Three-sided Borderless

If you check this check box, and the width or the length of the output paper size is smaller than the roll width, a margin will be created on the right of the document, and the remaining three sides (top, bottom, and left) will be borderless when printing.

Custom Size Settings dialog box (Roll Paper Width)

Enter the roll width you want to use.

Roll Paper Width

Specify the Width of the roll paper. Measurement is shown according to the units specified in Units.

Units

Select the unit for entering a user-defined paper size.

Roll Paper Options dialog box

You can specify settings for printing on roll paper.

Automatic Cutting

You can print cut guidelines for cutting the roll paper automatically or manually after printing.

Yes

Cut the roll paper automatically after printing.

No

Do not cut the roll paper automatically after printing.

Print Cut Guideline

Prints cut guidelines for cutting the roll paper manual after printing.

Banner Printing

Select this check box to print documents extending over several pages as one continuous document without any spaces between the pages.

Paper Size Options dialog box

You can create and register any user-defined paper. You can then select the defined paper size from **Custom Paper Size** of **Page Size**.

Paper Size List

The names and sizes of the paper sizes that the printer driver can use are displayed.

Delete

From Paper Size List, you can delete a user-defined paper that a user created.

>>>> Note

- Paper deletion is not possible in the following case:
 - · When a standard paper size of the printer driver is selected
 - When an oversized paper size is selected
 - · When a paper size with a red circle is selected

Custom Paper Size Name

You can specify the name of a user-defined paper.

Units

You can specify the units for the height and width dimensions of the user-defined paper.

Page Size

You can specify the Width and Height settings of the paper.

Borderless Printing Size

When you select this check box, you can select a size from the paper sizes that support **Borderless Printing**.

Fix the Ratio of the Width to Height

When you select this check box, you can change the size while keeping the **Width** and **Height** ratio.

Width

Specify the paper width.

Height

Specify the paper height.

Register with the OS

Register the set user-defined paper in the OS.

By registering in the OS, any user sharing the use of the printer or PC can use the set user -defined paper.

Add

You can register a user-defined paper that was set and overwrite the existing user-defined paper.

Display Series

You can narrow down the paper sizes to be displayed in Paper Size List.

Oversize

Add appropriate margins so that the document contents will not get cut off, and then print the document.

Layout Tab Description

The **Layout** tab allows you to specify how to arrange the document onto the paper. You can also set the number of copies to be printed and the print sequence. If the application software that you used to create the document features the same functions, specify the settings from the application software.

🖶 Canon 🐘 Printing Preferences		×
Main Page Setup Layout Favorites	Ubity	
	Page Layout :	Poster (2 x 2) ~
	Stamp :	CONFIDENTIAL V
Letter (8.5°x11"): 850 in x 11 00 in ▲ Actual Size Letter (8.5°x11"): 850 in x 11 00 in 100 in	Print Center S Print Center S Print Center S No Space Copies :	0 degrees s at Top or Bottom 1 💭 (1 - 999)
N	Page Options	Print from Last Page Collate Special Settings Defaults
	ОК	Cancel Apply Help

Settings Preview

The paper illustration shows how the original will be laid out on a sheet of paper.

You can check an overall image of the layout.

The printer illustration shows how to load paper to match the printer driver settings.

Check whether the printer is set up correctly by looking at the illustration before you start printing.

Page Layout

Selects the size of the document you want to print and the type of printing.

Poster (1 x 2) / Poster (2 x 2)

Poster printing is performed.

The value in parentheses represents the ratio of the vertical x horizontal lengths. As the number of divisions increases, the number of sheets used for printing increases. If you are pasting pages together to create a poster, increasing the number of divisions allows you to create a larger poster. **Set...**

Opens the Pages to Print dialog box.

Specify this setting when you want to print only specific pages

Free Layout

You can freely position and print any document created with an application software.

You must install imagePROGRAF Printer Driver Extra Kit to use this function. Go to the Canon website, download imagePROGRAF Printer Driver Extra Kit, and then install it.

Set...

Opens the Free Layout Settings dialog box.

You can freely specify detailed settings for free layout.

2 Pages/Sheet / 4 Pages/Sheet / 6 Pages/Sheet / 8 Pages/Sheet / 9 Pages/Sheet / 16 Pages/Sheet

Multiple pages are assigned to one sheet of paper and printed. The number presents the number of pages assigned to one sheet.

Set...

Opens the Page Layout Printing dialog box.

You can freely specify detailed settings for assigned printing.

Edit Using PosterArtist

Word processing and spreadsheet software documents and web browser screens, etc. can be edited a print from PosterArtist. You must install PosterArtist to use this function. Go to the Canon website, download PosterArtist, and then install it.

Stamp

The **Stamp** function prints a specific character string over the document pages. You can select the characters to be printed from a list or use the **Define Stamp** dialog box to set any characters.

Define Stamp...

Opens the **Define Stamp** dialog box.

You can specify detailed stamp settings or register any stamp.

Print Centered

Prints document in center of paper.

Rotate 180 degrees

Rotates document 180 degrees and prints it.

No Spaces at Top or Bottom

When printing on roll paper, you can save paper by reducing the upper and lower margins when printing.

Copies

Specifies the number of copies you want to print. You can specify a value from 1 to 999.

Important

• If the application used to create your document has a similar function, specify the number of copies with the application without specifying it here.

Print from Last Page

Check this check box when you want to print from the last page in order. If you do this, you do not need to sort the pages into their correct order after printing.

Uncheck this check box to print your document in normal order, starting from the first page.

Collate

Check the check box when you are printing two or more copies, and want to print them in groups. Uncheck the check box when you want to print them as a group on the same page.

Page Options

Opens the Page Options dialog box.

You specify settings for printing information such as date, user name, and page number.

Special Settings

Opens the Special Settings dialog box.

If you are unable to obtained the desired print results, you can change the print processing method.

Pages to Print dialog box

When printing a poster that has been divided into several pages, you can specify which pages to print and just print those pages.

Simply clear the check boxes of the pages you do not want to print.

In the setting view, the pages that were unchecked are hidden, and only the pages to be printed are displayed.

Invert

Switches the pages to be displayed or hidden.

>>>> Note

• The Pages to Print dialog box appears only when Poster (1 x 2) or Poster (2 x 2) is selected for Page Layout.



You can specify detailed settings for free layout.

Paper Orientation

Selects the printing orientation.

If the application used to create your document has a similar function, select the same orientation that you selected in that application.

Portrait

Prints the document so that its top and bottom positions are unchanged relative to the paper feed direction.

Landscape

Prints the document by rotating it 90 degrees relative to the paper feed direction.

Roll Paper Length

Sets the roll paper length.

Auto

Automatically determines the roll paper length and prints.

Manual Settings

Determines and specifies the roll paper length.

Page Order

Specifies the document orientation to be printed on a sheet of paper.

Note Note

 The Free Layout Settings dialog box appears only when Free Layout is selected for Page Layout.

Page Layout Printing dialog box

This dialog box allows you to select the number of document pages to be placed on one sheet of paper, the page order, and whether a page border line is to be printed around each document page. The settings specified in this dialog box can be confirmed in the settings preview on the printer driver.

Preview Icon

Shows the settings made on the **Page Layout Printing** dialog box. You can check what the print result will look like before you actually print the data.

Page Order

Specifies the document orientation to be printed on a sheet of paper.

Page Border

Prints a page border line around each document page. Check this check box to print the page border line.

>>>> Note

• The Page Layout Printing dialog box appears only when 2 Pages/Sheet, 4 Pages/Sheet, 6 Pages/Sheet, 8 Pages/Sheet, 9 Pages/Sheet, or 16 Pages/Sheet is selected for Page Layout.

Define Stamp dialog box

The **Define Stamp** dialog box allows you to specify settings for printing a stamp over the document pages. In addition to the pre-registered ones, you can register and use your original stamp.

Watermark List

This is a list of the pre-registered stamps.

Add

Creates an original stamp.

Click this item to set Name, Text, Font, Style, Size, and Color.

Name

Enter the stamp name to be registered.

Text

Enter the characters to be used in the stamp.

Font

Selects the font for the stamp text string.

Style

Selects the font style for the stamp text string.

Size

Selects the font size for the stamp text string.

Color

Select the color of the stamp text string.

Delete

Deletes an unnecessary stamp.

Specify the title of an unnecessary stamp from the Watermark List, and click this button.

Outline

Selects a frame that encloses the stamp text string.

Print Style

Select the stamp printing method.

Select **Transparent** to print the stamp on the back of the document, and select **Overlap** to print the stamp on the front.

Position

Specifies the stamp position on the page.

You can specify values in **X** and **Y** to set the coordinates, or you can drag the horizontal and vertical slide bars to the left/right or up/down to change the coordinates.

Move to Center

Moves the stamp to the center of the paper.

Angle

Set the stamp positioning angle.

You can specify a value in **Set Angle** to set the angle, or you can drag the slide bar left/right to change the angle.

When specifying an angle value, set a value in the range of -180 to 180.

Stamp first page only

Select this check box if you want to print a stamp only on the first page.

Page Options dialog box

Specify the print settings, such as date, user name, and page number.

Print Date

Select the position for printing the date.

Print Time Also

Prints the time along with the date.

Print User Name

Select the position for printing the user name.

Print Page Number

Select the position for printing the page number.

Format Settings

The Format Settings dialog box opens, and you can set the format.

Format Settings dialog box

Set the format to be used when printing the contents set in the Page Options dialog box.

Font

Select the font type.

Style

Select the font style.

Size

Select the font size.

Color

Select the font color.

Special Settings dialog box

The **Special Settings** dialog box allows you to change the print processing method if you do not get the print results you want.

Settings Summaries

This is a list of items that you can set in the Special Settings dialog box.

When you click an item that you want to set, the setting contents are displayed outside the box.

Spooling at Printer Driver

Set whether print jobs are to be spooled in the print driver or whether PageComposer processing is to be performed.

Setting Do Not Print or No (EMF Spooling) may improve the print results.

FineZoom Settings

Use this function to print on long paper.

Yes

The print problem may be corrected. Select this in usual cases.

No

Image distortions may be corrected (for example, small lines may be eliminated).

Preview Switching

If you check the **Preview before printing** check box on the **Main** tab and then print, PageComposer starts.

Application Color Matching Priority

You can assign higher priority to color management by the application software.

Fast Graphic Process

If image colors or line thicknesses are printed incorrectly, you may be able to get the print results you want by setting this function to off.

This is only displayed when using a 32-bit driver.

Disable the color profile setting of the application software

If the color profile information set in the application software is output to the printer driver, the printing results may include an unexpected tint. You can resolve the problem in this case by setting **Disable the color profile setting of the application software** to **On**.

Important

• Even if this is set to **On**, it will only disable some of the color profile information, and it is still possible to print using the color profile.

This should normally be set to Off when using.

Adjust Faint Lines

This function prevents thin lines from fading when printing by darkening light colored lines.

Sharpen Text

Set this to print fine text clearly.

Favorites Tab Description

The Favorites tab allows you to register frequently used print settings as favorites.

lain Page Setup Layout Fa Favortes :	Settings Details :	
Default Settings	Default Settings Main Media Type : [Auto (Use Printer Settings)] Print Target : [Default Settings] Print Printy : [Auto (Use Printer Settings)] Print Quality : [Standard] Color Mode : [Color] Thicken Fine Unnes : [Off] Page Setup Page Setup Page Size : [Same as Page Size] Enlarged/Reduced Printing : [Off]	•
	Comment : Automatically selects the best mode for documents that contain a moture of text, photos, and graphics. ED	0
Apply Favorte	Delete Edt Add	

Favorites

A list of the registered favorite settings appears. The Default Settings are registered in the initial settings.

Details

The settings of the favorite that you selected from Favorites appear.

Comment

The comment registered to the favorite appears.

Apply Favorite

You can change the print settings to the settings of the favorite that you selected from the **Favorites** list.

Delete

You can delete favorites that have become unnecessary.

Edit...

The Edit dialog box opens.

You can change the name and icon settings of the favorite that you selected from the Favorites list.

Add...

The Add dialog box opens.

You can register the current settings as a favorite.

Application Settings Priority

The setting in the application software will take priority over the favorites setting set on the printer driver. The setting in the application software is only prioritized for **Page Size**, **Orientation** and **Copies**. Place a checkmark to prioritize the settings for the application software.

Import...

You can read the settings of the favorite that was saved to a file.

Export...

You can save the settings of a favorite to a file.

Edit dialog box

You can change the name and icon of the favorite that you selected from the Favorites list.

Name

Changes name to be displayed in Favorites list.

lcon

Changes icon to be displayed in **Favorites** list.

Comment

Changes information to be displayed in **Comment**.



You can save the current print settings as the settings of a favorite.

Name

Set the name to be displayed in Favorites list.

lcon

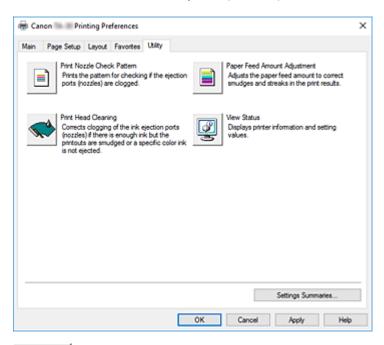
Set the icon to be displayed in **Favorites** list.

Comment

Enter information to be displayed in **Comment**.

Maintenance Tab Description

The **Maintenance** tab allows you to perform printer maintenance or change the settings of the printer.



Print Nozzle Check Pattern

Prints a nozzle check pattern.

Perform this function if printing becomes faint or a specific color fails to print. Print a nozzle check pattern, and check whether the print head is working properly.

If the print result for a specific color is fainted, or if there are any unprinted sections, use **Print Head Cleaning** to clean the print head.

Paper Source

Displayed using the **Media Type**, **Page Size** and **Roll Width** for each currently set paper feed position.



Print Head Cleaning

Performs print head cleaning.

Print head cleaning removes any blockage in the print head nozzles.

Perform cleaning when printing becomes faint, or a specific color fails to print, even though all ink levels are sufficiently high.

There are two head cleaning functions, which are described below.

Cleaning

Perform cleaning when printing becomes faint, or a specific color fails to print, even though all ink levels are sufficiently high.

System Cleaning

System Cleaning is a more powerful cleaning function. Execute this function if the condition does not improve even after you repeat **Cleaning** several times.

Important

• **System Cleaning** consumes an extremely large amount of ink. Executing system cleaning frequently will rapidly deplete your printer's ink supply. Therefore, execute system cleaning only when necessary.



Paper Feed Amount Adjustment

This function adjusts the paper feed amount if the print result is faint or contains streaks.



View Status

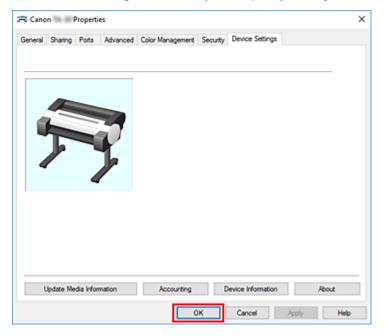
This function displays printer information and setting values.

Related Topics

- Cleaning the Print Heads
- Printing a Nozzle Check Pattern

Device Settings Tab Description

Many of the tabs in the Properties windows of the printer are controlled by Windows. However, the **Device Settings** tab is for specifying printer configuration-related settings and is part of the printer driver. The **Device Settings** tab allows you to specify settings related to the printer unit.



Update Media Information

Opens the Update Media Information dialog box.

Gets the latest media information from the printer and updates the media information in the printer driver.

Accounting

Opens the Accounting dialog box.

By setting **Accounting** information, you add IDs to print jobs, and use the printer and cost management tool to tabulate print history information for any ID.

>>>> Note

• Accounting can be set only by users with Administrator rights. Users without Administrator rights may not be able to set Accounting information.

Device Information

Opens the **Device Information** dialog box.

You can obtain the device information of the connected printer, and change the configuration to match the printer that is connected to the driver function.

About

Opens the About dialog box.

You can check information such as the version and copyright of the printer driver.

Accounting dialog box

Click Accounting to display the Accounting dialog box.

The **Accounting** dialog box allows you to add IDs to print jobs. You can then use the IDs, along with the printer and cost management tool, to tabulate print history information.

Account ID/Account ID2

Enter the account ID to be set. Enter the ID by using up to 20 alphanumeric characters (0 to 9, a to z, and A to Z).

Prohibits Account ID changes

Prohibits changes to account IDs that have already been set. Check this check box to prevent other users from changing IDs.

Device Information dialog box

The **Device Information** dialog box allows you to obtain the device information of the connected printer, and change the configuration to match the printer that is connected to the driver function.

Settings Summary

This is a list of items that you can set in the **Device Information** dialog box. When you click an item that you want to set, the setting contents are displayed outside the box.

Acquire Status

Obtain device type and hard disk information from the printer.

Canon IJ Status Monitor Description

The Canon IJ Status Monitor displays the status of the printer and the printing progress. The monitor uses graphics, icons, and messages to let you know the printer status.

🖞 Canon - 🗆 🗙						
Option Remote UI	Help					
Ē.	Printing.			*		
Document Name:	Test Print bt - Notepad					
Owner:	5-2010/*10308					
Printing Page:	1/1					
Remaining Printing Tim	e of Current Page: Printing will finish soon.					
	Display Send Queu	e	Cancel Pr	inting		
Estimated ink levels						
Estimated Maintenance Cartridge Usage						
Paper Feed						

Canon IJ Status Monitor Features

The Canon IJ Status Monitor offers the following advantages:

You can check the status of the printer on the screen.

The status of the printer is shown on the screen in real time.

You can check the printing progress of each printing document (print job).

Error types and solutions are shown on the screen.

Shown when a printer error occurs.

You can immediately check how to respond.

You can check the ink status.

This function displays graphics showing the ink tank type and the estimated ink levels. Icons and messages are displayed when ink is running low (ink level warning).

Canon IJ Status Monitor Overview

Canon IJ Status Monitor allows you to check the status of the printer and ink with graphics and messages. You can check the information on the printing document and the printing progress during printing. When a printer error occurs, it shows the cause and solution. Follow the instruction in the message.

Printer

Canon IJ Status Monitor shows an icon when a warning or error occurs to the printer.



! : A warning is being displayed.



🔀 : An operation error has occurred.



i You are being informed of remaining ink levels, etc.

: There has been an error which requires a service.

Document Name

Shows the name of the document to be printed.

Owner

Shows the owner's name of the document to be printed.

Printing Page

Shows the number of printing page and total printing pages.

Remaining Printing Time of Current Page

Displays the remaining print time of the pages being printed.

Display Send Queue

Shows the print window used to manage the print job that is being printed or being in the print queue.

Cancel Printing

Cancels the current print job.

Estimated ink levels

Displays icons to report a remaining ink level warning and an ink depletion error.

Click (the disclosure triangle) to display a pictorial representation of the estimated ink level in the ink tank.

Purchase Ink

A screen for purchasing ink appears. You can use this screen to purchase ink.

Ink Model Number

You can look up the correct ink tank for your printer.

Estimated Maintenance Cartridge Usage

Displays icons to report that the available space in the maintenance cartridge is low or the cartridge is full.

Click (the disclosure triangle) to display a pictorial representation of the estimated space available in the maintenance cartridge.

Paper Feed

Displays the size and type of paper loaded in each feeder.

Click (b) (the disclosure triangle) to check the remaining amount of paper.

Option Menu

If you select **Enable Status Monitor**, when a printer related message is generated the Canon IJ Status Monitor starts.

When Enable Status Monitor is selected, following commands are available.

Always Display Current Job

Displays the Canon IJ Status Monitor during printing.

Always Display on Top

Displays the Canon IJ Status Monitor in front of other windows.

Display Warning Automatically

When a Low Ink Warning Occurs

Starts the Canon IJ Status Monitor window automatically and displays it in front of the other windows when a low ink warning occurs.

When a Maintenance Cartridge Warning Occurs

When a maintenance cartridge remaining space warning occurs, the Canon IJ status monitor starts automatically and appears in front of all other windows.

Other Warnings

When any other warning occurs, the Canon IJ Status Monitor will open automatically and be displayed in front of other windows.

Start when Windows is Started

Starts the Canon IJ Status Monitor automatically when you start Windows.

Remote UI menu

You are able to open the printer's Remote User Interface.

You are able to check the printer status and run maintenance functions on the printer when connected to and using it through a network.

>>>> Note

• When the printer is being used via USB connection Remote UI will not display.

Printer Information

Allows you check detailed information, such as the printer status, the print progress, and remaining ink levels.

Maintenance

Allows you to run printer maintenance and change printer settings.

Job Log

Displays the Job history window.

Job List

Displays the Print job window.

Ink Supplier Display Settings

Displays the Ink supplier information window.

Download Security Certificate

Displays the For secure communication window.

This window allows you to download the root certificate, register it to the browser, and disable warning displays.

Help Menu

When you select this menu item, the Help window for Canon IJ Status Monitor is displayed, and you can check the version and copyright information.

Updating the Printer Driver

- > Obtaining the Latest Printer Driver
- > Deleting the Unnecessary Printer Driver
- > Before Installing the Printer Driver
- Installing the Printer Driver

Obtaining the Latest Printer Driver

By updating the printer driver to the latest version of the printer driver, unresolved problems may be solved.

You can check the version of the printer driver by clicking the About button on the Main tab.

You can access our website and download the latest printer driver for your model.

>>>> Important

• You can download the printer driver for free, but any Internet access charges incurred are your responsibility.

Related Topics

- Before Installing the Printer Driver
- Installing the Printer Driver

Deleting the Unnecessary Printer Driver

The printer driver which you no longer use can be deleted. When deleting the printer driver, first exit all programs that are running.

The procedure to delete the unnecessary printer driver is as follows:

1. Start the uninstaller

Select the **Control Panel -> Programs -> Uninstall a program (Programs and Features)**. From the program list, select "XXX Printer Driver" (where "XXX" is your model name) and then click **Uninstall**.

The confirmation window for uninstalling the model appears.

>>>> Important

- A confirmation/warning dialog box may appear when starting, installing or uninstalling software. This dialog box appears when administrative rights are required to perform a task. When you are logged on to an administrator account, click **Yes** (or **Continue**, **Allow**) to continue. Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.
- **2.** Execute the uninstaller

Click **Start**. When the confirmation message appears, click **Yes**. When all the files have been deleted, click **Complete**.

The deletion of the printer driver is complete.

Before Installing the Printer Driver

This section describes the items that you should check before installing the printer driver. You should also refer to this section if the printer driver cannot be installed.

Checking the Printer Status

• Turn on the printer.

Checking the Personal Computer Settings

- Terminate all running applications.
- Log on as a user who has the administrator account.

Related Topics

- Obtaining the Latest Printer Driver
- Installing the Printer Driver

Installing the Printer Driver

You can access our web site through the Internet and download the latest printer driver for your model.

The procedure for installing the downloaded printer driver is as follows:

- 1. Turn on the printer
- 2. Start the installer

Double-click the icon of the downloaded file. The installation program starts.

Important

- A confirmation/warning dialog box may appear when starting, installing or uninstalling software. This dialog box appears when administrative rights are required to perform a task. When you are logged on to an administrator account, click **Yes** (or **Continue**, **Allow**) to continue. Some applications require an administrator account to continue. In such cases, switch to an administrator account, and restart the operation from the beginning.
- **3.** Install the printer driver

Take the appropriate action as described on the screen.

4. Complete the installation

Click Complete.

Depending on the environment you are using, a message prompting you to restart the computer may be displayed. To complete the installation properly, restart the computer.

Important

• You can download the printer driver for free, but any Internet access charges incurred are your responsibility.

Related Topics

- Obtaining the Latest Printer Driver
- Deleting the Unnecessary Printer Driver
- Before Installing the Printer Driver

Printing Using Canon Application Software

- Easy-PhotoPrint Editor Guide
- Preview Guide
- Free Layout plus Guide
- Direct Print & Share Guide
- Quick Utility Toolbox Guide
- IJ Network Device Setup Utility Guide
- Media Configuration Tool Guide
- > Device Management Console Guide
- > Accounting Manager Guide
- PosterArtist Guide

macOS Software

- Printer Driver
 - Overview of the Printer Driver
 - Description of Print Dialog
 - Updating the Printer Driver

Printing Using Canon Application Software

- PosterArtist on the Web
- Easy-PhotoPrint Editor Guide
- Preview Guide
- Free Layout Guide
- Quick Utility Toolbox Guide
- IJ Network Device Setup Utility Guide
- Media Configuration Tool Guide
- Device Management Console Guide
- Accounting Manager Guide

Printing Using Canon Application Software

- Easy-PhotoPrint Editor Guide
- Preview Guide
- Free Layout Guide
- Quick Utility Toolbox Guide
- IJ Network Device Setup Utility Guide
- Media Configuration Tool Guide
- > Device Management Console Guide
- Accounting Manager Guide

Managing Print Jobs

- Checking Print Job Information
- Accounting Manager Guide
- Basic Print Job Operations
 - Managing Job Queue (Delete)

Checking Print Job Information

You can check the details of the print job being processed (job queue) or delete it from the Web browser or the control panel of the printer.

• Using web browser:

Log in to the printer from web browser, select Job management, and perform operations.

Configuration Changes Using Web Browser

Using operation panel:

Tap (Jobs) on the HOME screen, and perform operations.

Basic Print Job Operations

Managing Job Queue (Delete)

Managing Job Queue (Delete)

Print jobs being processed by the printer are collectively called the job queue. You can delete jobs in the job queue as needed.

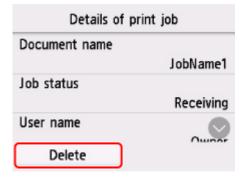
This operation is available using the operation panel or Remote UI.

- Using Operation Panel
- Using Remote UI
- Delete

You can delete the job queue that are not currently being deleted.

Using Operation Panel

- 1. Make sure printer is turned on.
- 2. On the HOME screen, tap (Jobs).
 - Menu Operations
- 3. Tap Print job.
- 4. In the list, tap the target job.
- 5. Tap Delete.



6. Confirm displayed message and tap Yes.

Note

- Select Delete all print jobs on Job management to delete all jobs in the job queue
 - Job management

Using Remote UI

- 1. Start up Remote UI.
- 2. Select Job management.
- 3. Select Print job.
- **4.** In the list, select the target job.

5. Select Delete.

1			Administrator mode Log out
Menu	<	Print job	
Printer status	Document name		ich nome 17
Utilities			job name 17
Device settings			
AirPrint settings	User name		job owner 17
Job management	Status		Waiting
Security	Media type		vvalurig
System info and LAN settings		Matte	
	Page size		
Language selection	_		Template 11"x17" 28x43cm
Manual (Online)	Paper source		Manual
	Total number of page	95	4
		Delete	

Frequently Asked Questions

General FAQ

- I want to easily create vertical or horizontal banners
- Does this printer support sub-ink tank system
- I want to know how to configure roll cutting
- I want to configure so that the roll is cut automatically after waiting for the ink to dry
- How do I print without borders
- I want to know the paper types that can be used in this printer
- The paper type that I want to print is not displayed on the Touch Screen
- Can I perform duplex printing
- I want to perform enlargement printing
- Network Settings and Common Problems

Solve Problems

Problems Regarding Paper

- Remove Jammed Roll Paper
- Remove a Jammed Sheet
- Remove Jammed Paper (Paper Feed Slot)
- Roll paper cannot be inserted into the Paper Feed Slot
- Roll Paper Remains/Lacks under Quantity Management
- Cannot load sheets
- Paper is not cut straight
- Paper is not cut
- Cutter Blade Does Not Work While Cutting Is in Progress
- Dent in the Tip of Paper
- The size of clear film cannot be detected
- Printer Keeps Ejecting the Roll Paper
- Margins are wide
- Mhen printing on roll paper, the printed surface becomes scratched

Printing Does Not Start

- Printer Suddenly Stopped Working for Some Reason
- The Data lamp on the Operation Panel does not light up
- The printer does not respond even if print jobs are sent
- "Preparing the ink system." is displayed
- Agitating the ink" is displayed

The Printer Stops During a Print Job

- Printing stops and an error message is displayed
- The printer ejects blank, unprinted paper
- The printer stops when printing a HP-GL/2 job (the carriage stops moving)

Problems with the Printing Quality

- Printing is faint
- Paper rubs against the Print Head
- The edges of the paper are dirty
- The surface of the paper is dirty
- The back side of the paper is dirty
- M Immediately after borderless printing, the trailing edge margin is soiled during regular printing
- Printed colors are inaccurate
- Banding in different colors occurs
- Colors in printed images are uneven
- Image edges are blurred or white banding occurs
- The contrast becomes uneven during printing
- The length of printed images is inaccurate in the feeding direction
- Images are printed crooked
- Documents are printed in monochrome
- Line thickness is not uniform
- Lines or colors are misaligned
- Borders appear in borderless printing
- Cannot Specify Extension for borderless printing After Warning Message

Cannot Print over Network

- Cannot Connect Printer to Network
- Cannot Print over TCP/IP Network
- Cannot Print over Bonjour networks

Cannot Find Printer on Network

- Cannot Find Printer on Check Printer Settings Screen (Windows)
- Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen
- Searching Printer by IP Address or Host Name During Setup
- Cannot Find Printer while Using Wi-Fi
- Cannot Find Printer while Using Wired LAN
- Cannot Print Using AirPrint

Installation Problems

- Removing Printer Software
- Taking Time to Setup Process (Windows)
- Failed to Printer Driver Installation (Windows)

HP-GL/2 problems

- With HP-GL/2, printing is misaligned
- Lines or images are missing in printed HP-GL/2 jobs
- Lines are printed too thick or thin in HP-GL/2 print jobs
- HP-GL/2 jobs are printed in monochrome (or color)
- Printed colors of lines are inaccurate during HP-GL/2 printing
- HP-GL/2 jobs are printed 6 mm larger than specified
- HP-GL/2 jobs are printed at maximum size, even if a standard size is specified
- HP-GL/2 printing takes a long time
- The printer stops when printing a HP-GL/2 job (the carriage stops moving)

Other Problems

- Printer does not turn on
- If the Printer Makes a Strange Sound
- Messages advising to check the maintenance cartridge are not cleared
- Printer consumes a lot of ink
- Ink Level Detection



I want to easily create vertical or horizontal banners

A

You can print originals that are in landscape (or portrait) orientation automatically enlarged to fit the roll width. This is an easy way to create vertical or horizontal banners.

- Printing Hanging and Horizontal Banners (Large-Format Printing) (Windows)
- Printing Hanging and Horizontal Banners (Large-Format Printing) (macOS)



Does this printer support sub-ink tank system

A

This printer supports hot-swap ink tank replacement.

Even if an ink tank becomes empty during printing, since a certain amount of ink always is stored in a subink tank, you can replace the ink tank while printing.

Replacing Ink Tanks



I want to know how to configure roll cutting

A

Cutting methods can be selected in the printer settings and printer driver settings.

To automatically cut roll paper after printing, open the **Cutting mode** settings on the printer, and then under **Automatic cut** set **Automatic Cutting** in the printer driver to **Yes**.

When using paper that is easily scratched, or paper where the ink requires extra time to fix, we recommend setting **Cutting mode** on the printer to **Eject cut**.

- Specifying the Cutting Method for Rolls
- Cutting Roll Paper after Printing (Windows)
- Cutting Roll Paper after Printing (macOS)

Q,

I want to configure so that the roll is cut automatically after waiting for the ink to dry

A

You can set an ink drying time in the printer driver.

You can also configure the same settings on the printer itself.

- Main Tab Description (Windows)
- Paper Detailed Settings (macOS)
- Specifying the Ink Drying Time for Rolls
- Menu Structure



How do I print without borders

A

If printing on roll paper, you can set borderless printing in the printer driver settings. (If printing on sheets, borderless printing is not possible)

- Prints without Edges Based on the Scenarios (Windows)
- Prints without Edges Based on the Scenarios (macOS)

Q,

I want to know the paper types that can be used in this printer

A

For information about paper that can be used with this printer, see the imagePROGRAF home page or refer to the media information list.

Paper Information List

Q,

The paper type that I want to print is not displayed on the Touch Screen

A

If using a new paper type, start the **Media Configuration Tool** to get the latest media information.

Updating paper information

A

This printer cannot print double-sided.

An alternative to double-sided printing is to use the **Folded Duplex** function of the Windows software Free Layout plus, which prints two pages on one side, folds the sheet back from the center, and hangs it.



I want to perform enlargement printing

A

Use the printer driver to adjust the original to the paper size and width, or print enlarged or reduced by specifying a magnification factor.

Scaled Printing (Windows)

Scaled Printing (macOS)

Network Settings and Common Problems

Here are frequently asked questions on network.

Cannot Find Printer

- Cannot Find Printer on Check Printer Settings Screen (Windows)
- Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen
- Searching Printer by IP Address or Host Name During Setup
- Cannot Find Printer while Using Wi-Fi
- Cannot Find Printer while Using Wired LAN

Cannot Print or Connect

- Cannot Connect Printer to Network
- Cannot Print over TCP/IP Network
- Cannot Print over Bonjour networks
- Printer Suddenly Stopped Working for Some Reason

LAN Setting Tips/Changing LAN Settings

- Printer Connection Methods
- Default Network Settings
- Another Printer Found with Same Name
- Connecting to Another Computer via LAN/Changing from USB to LAN Connection
- Printing Network Settings
- Reconfiguration Method of LAN Connection/Reconfiguration Method of Wi-Fi Connection
- Reconfiguration of Network Settings using the Remote UI
- Network Status and Troubleshooting

Problems Regarding Paper

- Remove Jammed Roll Paper
- Remove a Jammed Sheet
- Remove Jammed Paper (Paper Feed Slot)
- Roll paper cannot be inserted into the Paper Feed Slot
- Roll Paper Remains/Lacks under Quantity Management
- Cannot load sheets
- > Paper is not cut straight
- Paper is not cut
- Cutter Blade Does Not Work While Cutting Is in Progress
- Dent in the Tip of Paper
- > The size of clear film cannot be detected
- > Printer Keeps Ejecting the Roll Paper
- Margins are wide
- > When printing on roll paper, the printed surface becomes scratched

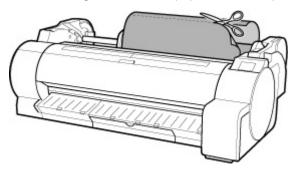
Remove Jammed Roll Paper



If roll paper jams, follow the steps below to remove jams.

- **1.** Turn off printer.
 - Turning the Printer On and Off
- 2. Cut loaded roll paper with regular scissors or the like.

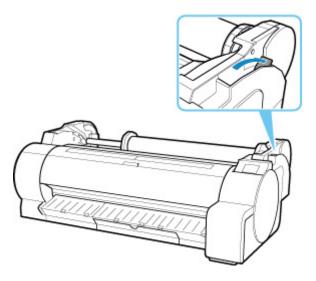
Before cutting, loose the roll paper and lift it up.



\rm **Caution**

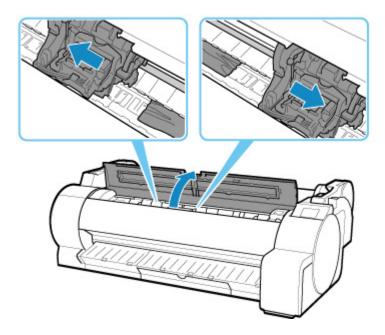
• When cutting paper, be careful to avoid injury or damage to the printer.

3. Push release lever back.



- 4. Remove jammed paper.
 - If paper is jammed inside the top cover

1. Open top cover and move carriage to the left or right side manually, away from the jam.

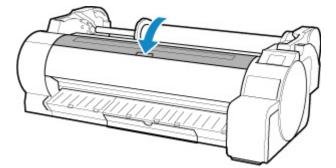


>>>> Important

- Do not move the carriage over jammed paper. This may damage the Print head.
- 2. Remove any jammed paper inside top cover.

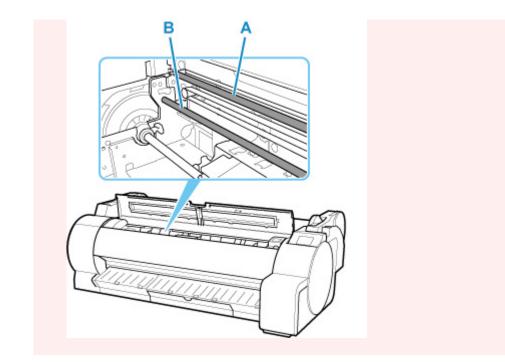
After removing the paper, make sure there are no other scraps of paper in the printer.

3. Close top cover.



>>>> Important

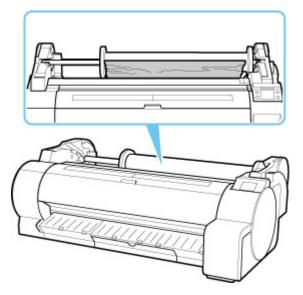
• Do not touch the linear scale (A) or carriage shaft (B). This may stain your hands and damage the printer.



• If the paper from a roll is jammed by the paper feed slot

Remove the jammed paper from the paper feed slot.

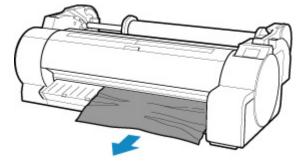
After removing the paper, make sure there are no other scraps of paper in the printer.



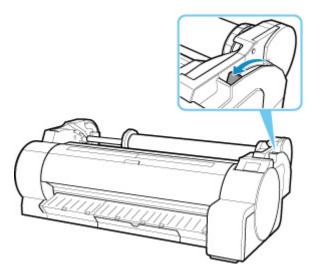
• If the paper is jammed by the ejection guide

Remove the jammed paper from the output tray.

After removing the paper, make sure there are no other scraps of paper in the printer.



5. Pull release lever forward.



>>>> Important

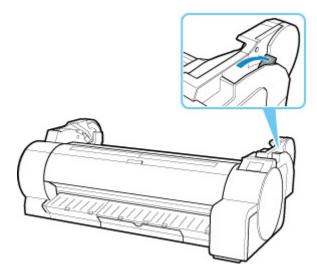
• Changing the release lever position while printing is in progress causes paper jam, misaligned lines, or wrong colors. Be careful not to touch the release lever while printing in progress.

Remove a Jammed Sheet

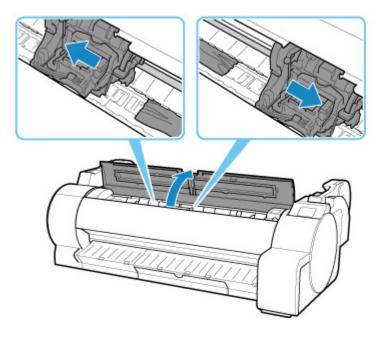


If a sheet jams, follow the steps below to remove it.

- **1.** Turn off printer.
 - Turning the Printer On and Off
- 2. Push release lever back.



- **3.** Remove jammed paper.
 - If paper is jammed inside the top cover
 - **1.** Open top cover and move carriage to the left or right side manually, away from the jam.

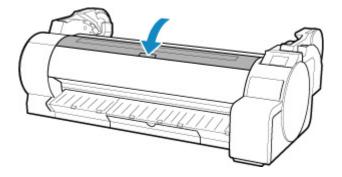


>>>> Important

- Do not move the carriage over jammed paper. This may damage the Print head.
- 2. Remove any jammed paper inside top cover.

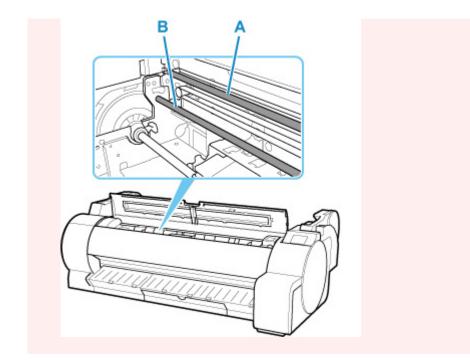
After removing the paper, make sure there are no other scraps of paper in the printer.

3. Close top cover.



>>>> Important

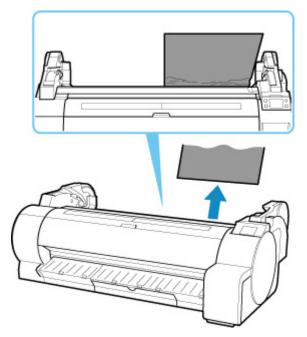
• Do not touch the linear scale (A) or carriage shaft (B). This may stain your hands and damage the printer.



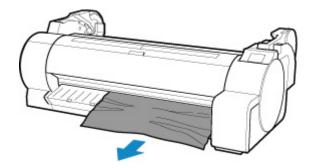
• If the paper is jammed by the paper feed slot

Remove the jammed paper from the paper feed slot.

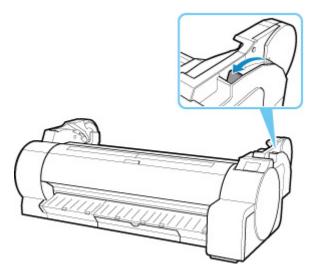
After removing the paper, make sure there are no other scraps of paper in the printer.



If the paper is jammed by the ejection guide
Remove the jammed paper from the output tray.
After removing the paper, make sure there are no other scraps of paper in the printer.



4. Pull release lever forward.



Important

• Changing the release lever position while printing is in progress causes paper jam, misaligned lines, or wrong colors. Be careful not to touch the release lever while printing in progress.

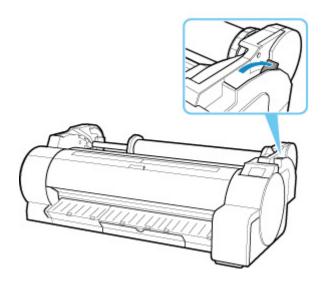
Q,

Remove Jammed Paper (Paper Feed Slot)

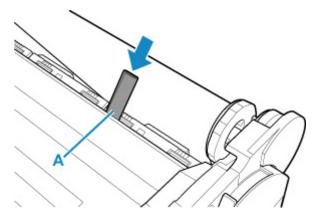


Follow these steps to remove any scraps left in the paper feed slot after you clear jammed sheets or roll paper.

- 1. Turn off printer.
 - Turning the Printer On and Off
- 2. Push release lever back.

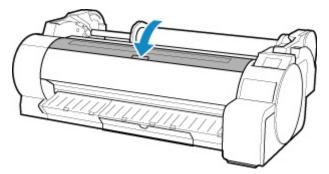


3. Fold an A4 sheet lengthwise four times and insert it through the gap of paper feed slot. Push scrap out toward platen.

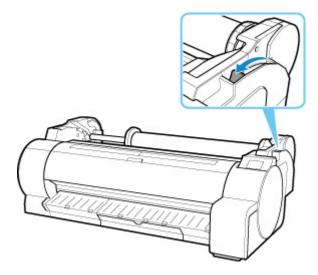


4. Remove scrap when it is pushed out onto platen.

- 5. If any scraps remain inside paper feed slot, repeat steps 4 and 5.
- 6. Close top cover.



7. Pull release lever forward.



>>>> Important

• Changing the release lever position while printing is in progress causes paper jam, misaligned lines, or wrong colors. Be careful not to touch the release lever while printing in progress.



Roll paper cannot be inserted into the Paper Feed Slot

A



Check 1 Is the roll paper curled?

Straighten out curls and reload the roll.



Check 2 Is paper jammed in the feed slot?

Remove the jammed paper.

Remove Jammed Roll Paper

Remove a Jammed Sheet



• You cannot load a roll paper and sheets on the printer at the same time.

Q,

Roll Paper Remains/Lacks under Quantity Management



Check the setting of Manage remaining roll amount.

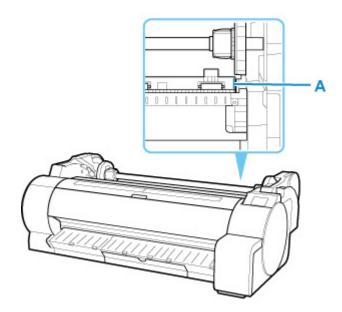
- If Barcodes is selected for Manage remaining roll amount:
 - 1. Enter Roll paper length and select OK.
 - 2. Select Roll amount 3 (standard) for Roll amount warning setting.
- If Warning message only is selected for Manage remaining roll amount: Select Roll amount 3 (standard) for Roll amount warning setting.
- Paper-related settings

Q Cannot load sheets



When using the roll holder and in the following cases, remove the roll holder and set the cut sheet according to the Paper Alignment Line (A) on the right side of the printer.

- The width of cut sheet is larger than the width of roll paper.
- Roll diameter of roll paper is large.
- Size of the cut sheet is A4 Letter, or less.
- Roll paper is not loaded in the roll holder.



>>>> Note

• You cannot load a roll paper and sheets on the printer at the same time.

Loading Sheets in the Printer



Paper is not cut straight



Check 1 Is the edge of the paper cutting position creased?

Straighten out any curling by the edges of the paper.

Check 2 Is the edge of the paper cutting position lifting up when cutting?

Reload the paper correctly.

Check 3 Is the paper a type that can be cut with the cutter blade?

Set Cutting mode in the touch screen menu to User cut, then and cut the roll paper with a cutting implement such as scissors.

Specifying the Cutting Method for Rolls

Check 4 Are you using the basket properly?

Make sure that you are using the basket properly.

Using the Basket

Check 5 Check that the **Cut speed** setting is correct.

Select Paper settings > Advanced on Paper menu in the touch screen menu, and change Cut speed.

If the paper edge cannot be cut straight at the cut starting position, it may be improved by selecting slower cut speed than that selected currently.

If the paper edge cannot be cut straight at the cut ending position, it may be improved by selecting faster cut speed than that selected currently.

Select Paper settings > Advanced on Paper menu in the touch screen menu, and change the Cut speed setting.

Menu Structure

Check 6 Did the printing material slip diagonally while being cut?

Set the Cutting mode in the touch screen menu to Eject cut, and then hold and cut the material after it has printed.

Specifying the Cutting Method for Rolls



Check 7 Is the cutter blade attached properly?

Attach the cutter blade properly.

Check 8 Is the edge of the cutter blade blunt?

Replace the cutter blade.

Q Paper is not cut

A

Check 1 Is Automatic Cutting in the printer driver set to No or Print Cut Guideline?

Set the printer driver Automatic Cutting setting to Yes.

Page Setup Tab Description (Windows)

Paper Detailed Settings (macOS)

Check 2 Is Cutting mode in the touch screen menu set to Eject cut or User cut?

If Cutting mode is set to Eject cut, select Feed/cut in the touch screen menu and cut the paper.

If Cutting mode is set to User cut, cut the roll paper with a cutting implement such as scissors.

Specifying the Cutting Method for Rolls

Check 3 Is the cutter blade attached?

Attach the cutter blade.



Cutter Blade Does Not Work While Cutting Is in Progress



Check 1 Does a message appear on the touch screen?

If the cutter blade failed to cut the paper, it stops moving and a message appears on the touch screen.

Remove the paper and try printing again.

Remove Jammed Roll Paper



Select **User cut** for **Cutting mode** in the touch screen menu and cut the roll paper with a cutting implement such as scissors.

Specifying the Cutting Method for Rolls

Check 3 Check the setting value for **Cut speed**.

Selecting slower value may enable the cutter blade to cut paper.

Select **Paper settings** > **Advanced** on **Paper menu** in the touch screen menu, and change the **Cut speed** setting.

- Menu Structure
- Paper-related settings

Check 4 Is the edge of the cutter blade blunt?

Replace the cutter blade.

Q Dent in the Tip of Paper



Check Are you keeping the roll in the printer for a long time without printing on it?

Doing so may leave a dent on the tip of paper and it remains when you print on the paper the next time.

When printing quality is most important, we recommend cutting the paper tip before printing.

On the HOME screen, selecting **Feed/Cut** > **Cut paper** > **Yes** enables the printer to cut the paper tip at the shortest length.

Menu Structure

The size of clear film cannot be detected



Check Is the platen dirty with ink?

Open the top cover and clean the entire platen area.

Cleaning Inside the Top Cover

Q,

Printer Keeps Ejecting the Roll Paper

A

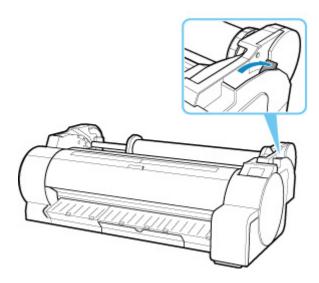
When a sheet is selected on the HOME screen, loading a roll paper with its surface left loose may make the printer recognize the loaded roll paper as a sheet.

In this case, selecting **Remove paper** on **Paper menu** may allow the printer to keep ejecting the paper.

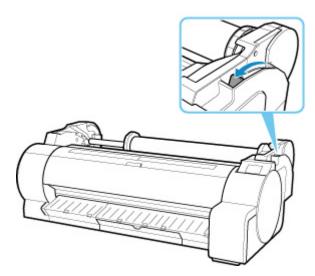
Check the paper feed settings on the printer.

After roll ejection stops, follow these steps to reload the roll.

1. Push release lever back.



- Using both hands, rotate the roll holder toward the back to rewind the roll.
 At this time, ensure that both ends of the roll are rewound evenly.
- **3.** Pull release lever forward.



4. Load roll.

At this time, be sure to press the Load button and select Load roll paper.

Loading Rolls in the Printer

Q Margins are wide



Check 1 Is auto cut being used on printed material with a wide margin on the trailing edge only?

Rolls are advanced a specific amount before cutting to prevent problems with cutting and paper ejection.

This operation is normal.

Check 2 Is leading edge detection set to **Do not detect**?

Do not detect may have been set by responding to the message Do you want to set to detect the leading edge of the paper? when Cutting mode was set to User cut in the touch screen menu.

If the message **Do you want to set to detect the leading edge of the paper?** appears when setting **Cutting mode** to **User cut**, select **Detect (recommended)**.

Please note that if **Detect (recommended)** is selected and the paper has a strong curl, the Print head may rub against the edge of the paper when printing starts.

Specifying the Cutting Method for Rolls

Q,

When printing on roll paper, the printed surface becomes scratched

A

Make sure the roll paper has not lost tension during printing.

If the roll paper loses tension, the paper surface could be damaged and the paper could wrinkle or fold.

Select **Paper settings** > **Advanced** on **Paper menu** in the touch screen menu, and set **Roll paper tension** (printing) to High.

Menu Structure

>>>> Note

• Carrying out **Adjust print quality** is recommended when changing **Roll paper tension (printing)** settings.

Printing Does Not Start

- Printer Suddenly Stopped Working for Some Reason
- > The Data lamp on the Operation Panel does not light up
- > The printer does not respond even if print jobs are sent
- Preparing the ink system." is displayed
- "Agitating the ink" is displayed

Printer Suddenly Stopped Working for Some Reason

- Cannot Connect to a Printer after Network Configuration Changes
- Cannot Connect to a Printer via Wireless LAN (Wi-Fi)
- Cannot Connect to a Printer through Wireless Direct
- Cannot Connect to a Printer via Wired LAN
- Cannot Print through Network

Cannot Connect to a Printer after Network Configuration Changes

A

It may take a while for the computer to obtain an IP address, or you may need to restart your computer.

Make sure the computer has obtained a valid IP address, and try again to find the printer.

Q∕ Cannot Connect to a Printer via Wireless LAN (Wi-Fi)

A

Check1 Check the power status of printer and devices (e.g. wireless router or computer) connected to the network.

Turn on the printer or devices.

If the power is already turned on, turn it off and on again.

It may be necessary to resolve wireless router problems (e.g. update interval of a key, problems of DHCP update interval, energy saving mode, etc.) or to update the wireless router firmware.

For details, contact the manufacturer of your wireless router.

Check2 Can you view any web pages on your computer?

Make sure your computer is connected to the wireless router properly.

For more on checking computer settings or connection status, see the instruction manual supplied with the computer or contact the manufacturer.

Check3 Is the printer connected to the wireless router?

Use the icon on the touch screen to check the connection status between the printer and wireless router. If the

icon is not displayed, Wi-Fi is disabled. Turn on wireless communication on the printer.

Check4 Make sure the printer and wireless router network settings match.

Make sure the network settings of the printer (e.g. wireless router name, SSID, network key, etc.) are identical with those of the wireless router.

To check the settings of the wireless router, refer to the instruction manual provided with it or contact its manufacturer.

To check the current network settings of the printer, print out the network setting information.

Printing Network Settings

>>>> Note

• IJ Network Device Setup Utility allows you to diagnose and repair the network status.

Select the link below to download IJ Network Device Setup Utility and install it.

Checking Printer Connection Status Using IJ Network Device Setup Utility

See below for starting up IJ Network Device Setup Utility.

• For Windows:

Starting Up IJ Network Device Setup Utility

- For macOS:
 - Starting Up IJ Network Device Setup Utility

Check5 Make sure the printer is not placed too far away from the wireless router.

If the distance between the printer and wireless router is too far, wireless communication becomes poor. Place the printer and wireless router close to each other.

>>>> Note

• Though an antenna is attached to most wireless routers, note that some of them have it inside.

Check6 Make sure wireless signal is strong. Monitor signal status and move printer and wireless router as necessary.

Place the printer and wireless router where there are no obstacles between them. Wireless communication between different rooms or floors is generally poor. Wireless communication can be impeded by building materials containing metal or concrete. If the printer cannot communicate with the computer over a Wi-Fi due to a wall, place the printer and the computer in the same room.

In addition, if a device like a microwave oven that emits radio waves of the same frequency bandwidth as a wireless router is nearby, it may cause interference. Place the wireless router as far away from interference sources as possible.

Note

• IJ Network Device Setup Utility allows you to diagnose and repair the network status.

Select the link below to download IJ Network Device Setup Utility and install it.

Checking Printer Connection Status Using IJ Network Device Setup Utility

See below for starting up IJ Network Device Setup Utility.

• For Windows:

Starting Up IJ Network Device Setup Utility

- For macOS:
 - Starting Up IJ Network Device Setup Utility

Check7 Make sure of the Wi-Fi channel numbers used for your computer.

You need to have the same Wi-Fi channel number that you are using for the wireless router as your computer. It is normally set in the way that you can use all the Wi-Fi channels. However, when the channels that you are using are restricted, the Wi-Fi channels do not match.

See the instruction manual provided with your computer and check the Wi-Fi channel number available for your computer.

Check8 Make sure channel set on wireless router is a usable channel as confirmed in Check 7.

If it is not, change the channel set on the wireless router.

Check9 Make sure security software's firewall is off.

If your security software's firewall is on, a message may appear warning you that Canon software is attempting to access the network. If this warning message appears, set security software to always allow access.

If you are using any programs that switch between network environments, check their settings. Some programs use a firewall by default.

Check10 If printer is connected to an AirPort Base Station via LAN, make sure you use alphanumeric characters for network identifier (SSID). (macOS)

If the problem is not resolved, redo setup.

• For Windows:

Perform setup using the Setup CD-ROM or from the web page.

• For macOS:

Perform setup from the web page.

• Positioning:

Make sure there are no obstacles between the printer and wireless router.

Cannot Connect to a Printer through Wireless Direct

A

Check1 Check the power status of printer and other devices (smartphone or tablet).

Turn on the printer or devices.

If the power is already turned on, turn it off and on again.

Check2

Is the

icon displayed on the touch screen?

If not, Wireless Direct is disabled. Turn on Wireless Direct.

Check3 Check the settings of your device (smartphone/tablet).

Make sure Wi-Fi is enabled on your device.

For details, refer to your device's instruction manual.

Check4 Make sure printer is selected as connection for device (e.g. smartphone or tablet).

Select the identifier for Wireless Direct (SSID) specified for the printer as the connection destination for devices.

Check the destination on your device.

For details, refer to your device's instruction manual or visit the manufacturer's website.

To check the identifier for wireless direct (SSID) specified for the printer, display it using the operation panel of the printer or print out the network setting information of the printer.

· Display on the touch screen.

LAN settings

- · Print the network settings.
 - Printing Network Settings

Check5 Have you entered the proper password specified for the Wireless Direct?

To check the password specified for the printer, display it using the operation panel of the printer or print out the network setting information of the printer.

· Display on the touch screen.

LAN settings

· Print the network settings.

Printing Network Settings

Check6 Make sure the printer is not placed too far away from the device.

If the distance between the printer and device is too far, wireless communication becomes poor. Place the printer and device close to each other.

Check7 Make sure 5 devices are already connected.

Wireless Direct does not allow more than 5 devices to be connected.

Cannot Connect to a Printer via Wired LAN



Check1 Make sure the printer is turned on.

Check2 Make sure the LAN cable is connected properly.

Make sure the printer is connected to the router with the LAN cable. If the LAN cable is loose, connect the cable properly.

If the LAN cable is connected to the WAN side of the router, connect the cable to the LAN side of the router.

If the problem is not resolved, redo setup.

• For Windows:

Perform setup using the Setup CD-ROM or from the web page.

• For macOS:

Perform setup from the web page.

Q Cannot Print through Network



Check1 Make sure the computer is connected to the wireless router.

For more on how to check the computer settings or connection status, see your computer instruction manual or contact its manufacturer.

Check2 If the printer driver is not installed, install it. (Windows)

Install the printer driver using the Setup CD-ROM or install it from the Canon website.

Check3 When using Wi-Fi, make sure wireless router does not restrict which computers can access it.

For more on connecting to and setting up your wireless router, see the wireless router instruction manual or contact its manufacturer.

Q

The Data lamp on the Operation Panel does not light up

A

Check 1 Does the printer have power?

Check that the power cord is firmly plugged all the way in. Push the **ON** button to turn on the power to the printer.

Check 2 Was the correct printer selected?

In Windows, select the printer by clicking **Select Printer** or **Printer** in the printing dialog box and try printing again.

In macOS, open the dialog box of the printer driver, select the printer from the list of **Printer**, and try printing again.

Check 3 Is the print job paused?

In Windows, restart the print job as follows.

- 1. Select the printer icon in the Printers and Faxes (or Printers) window.
- 2. Clear Pause Printing in the File menu to restart the print job.

In macOS, restart the print job as follows.

- 1. Click Print & Scan (or Print & Fax).
- 2. Select the printer, and then Resume Printer (or Start Jobs) in the Printers menu to restart the print job.

Q

The printer does not respond even if print jobs are sent



Check 1 Is Pause printing set to Enable?

Set Pause printing on the touch screen menu to Disable.

Pausing Printing

Check 2 Is USB or LAN connection disabled?

• For USB connection:

Set Use USB connection on the touch screen menu to Use.

• For LAN connection (wired/Wi-Fi/Wireless Direct):

Set Enable/disable Wired LAN, Enable/disable Wi-Fi, or Enable/disable Wireless Direct on the touch screen menu to Enable.

>>>> Note

• You cannot enable wired LAN and Wi-Fi or Wireless Direct at the same time.

Q

"Preparing the ink system." is displayed

A

The Print head and sub-ink tank are being filled with ink.

Wait until the system has been filled with ink.

>>>> Note

• This message might appear if you force the power off while the printer is operating. Always follow the correct procedure when turning off the power.

Turning the Printer On and Off

Q"Agitating the ink" is displayed

A

Ink agitation is in progress.

Please wait until ink agitation is finished.

Agitation time varies depending on time elapsed since powering off (approximately 20 seconds to 2 minutes).

The Printer Stops During a Print Job

- > Printing stops and an error message is displayed
- > The printer ejects blank, unprinted paper



Printing stops and an error message is displayed

A

The last portion of roll paper was used during a print job, and paper could not be advanced because the trailing edge is taped to the roll.

Remove the used roll and insert a new roll.

- Removing the Roll from the Printer
- Removing Rolls From the Roll Holder
- Loading and Printing on Rolls

Q,

The printer ejects blank, unprinted paper

A

Check 1 The leading edge of the roll paper may have been trimmed.

The leading edge of the roll paper may be trimmed if **Trim edge first** is not set to **Off** or **Manual** in the touch screen menu.

Cutting the Leading Edge of Roll Paper Automatically

Check 2 Is the Print head nozzle blocked?

Print a nozzle check pattern to check the Print head status.

Checking for Nozzle Clogging

Check 3 Is the correct printer driver selected?

Print again using the correct printer driver for your printer.

Check 4 When you print data including HP RTL command, check the settings below in the touch screen menu.

- Set Auto rotation to OFF.
- If Rotate is set to 90 degrees, select 0 degrees and start printing.
- Menu Structure

If none of the above apply, there may be a printer malfunction.

Contact your Canon dealer for assistance.

Problems with the Printing Quality

- Printing is faint
- Paper rubs against the Print Head
- > The edges of the paper are dirty
- > The surface of the paper is dirty
- > The back side of the paper is dirty
- Immediately after borderless printing, the trailing edge margin is soiled during regular printing
- Printed colors are inaccurate
- Banding in different colors occurs
- Colors in printed images are uneven
- Image edges are blurred or white banding occurs
- The contrast becomes uneven during printing
- > The length of printed images is inaccurate in the feeding direction
- Images are printed crooked
- Documents are printed in monochrome
- Line thickness is not uniform
- Lines or colors are misaligned
- Borders appear in borderless printing
- > Cannot Specify Extension for borderless printing After Warning Message

Printing is faint

Check 1 Is the reverse side of the paper being used for printing?

Print on the printing surface.

Check 2 Is the Print head nozzle blocked?

Print a test pattern to check the nozzles and see if they are clogged.

Checking for Nozzle Clogging

>>>> Note

• To automatically check for nozzle blockages after printing, set Auto nozzle check in the touch screen menu to a setting other than **Disable**.

To show warnings based on nozzle check results, set Nozzle check error display in the touch screen menu to Enable.

However, printing may be stopped by warnings if this setting is set to **Enable**.

Menu Structure

Check 3 Was the printer left with the ink tank out?

The ink supply may become blocked by ink if the ink tank is left out.

If this happens, leave the printer for at least 24 hours with the ink tank in, and then carry out Print head cleaning.

Cleaning the Print Head

Check 4 Are paper scraps stuck in the top cover?

Follow the steps below to remove paper scraps left inside the top cover.

- 1. Open the top cover and make sure that the carriage is not over the platen.
- 2. Remove any paper scraps left inside the top cover.
 - Remove Jammed Roll Paper Remove a Jammed Sheet
- 3. Close the top cover.

Check 5 Was the paper cut before the ink dried?

Set a longer Ink drying wait time in Advanced paper settings in the touch screen menu.

Menu Structure

Check 6 Is the printer driver **Print Quality** set to **Fast**?

Follow the steps below to set **Print Quality** to a setting other than **Fast**, and then print.

- Windows
 - Change the **Print Quality** settings in the printer driver **Advanced Settings**.
 - <u>Changing the Print Quality and Correcting Image Data</u> (Windows)
- macOS
 - Change the Print Quality in the printer driver Quality & Media settings.
 - Changing the Print Quality and Correcting Image Data (macOS)

If a setting lower than **Standard** is selected, the printing time is shorter and less ink is used though the print quality is reduced. If a printing looks faint, select a setting higher than **Standard**.

Check 7 Does the paper used for printing create a lot of cutting dust?

Set Cut-dust reduction in the touch screen menu Advanced paper settings to ON.

Reducing Dust from Cutting Rolls

Paper rubs against the Print Head

A

Check 1 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load paper of the same type as you have specified in the printer driver.

Loading Rolls in the Printer

Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Change the paper type in the printer driver and try printing again.

Check 2 Is the paper loaded properly?

If not loaded properly, paper can buckle and rub against the Print head.

Reload the paper.

Loading Rolls in the Printer

Loading Sheets in the Printer

Check 3 Is the Print head height set too low?

Set Paper Thickness (Head Height) in the touch screen menu to Auto.

Troubleshooting Paper Abrasion and Blurry Images

Check 4 Is the paper thick, or a type that curls easily or is prone to buckling after absorbing ink?

If using paper-based printing material such as Heavyweight Coated Paper, set **Transport unit vacuum strength** in the touch screen menu to **Medium-strong** or **Strong**.

If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- Troubleshooting Paper Abrasion and Blurry Images

If using film-based printing material such as CAD Tracing Paper, set the **Transport unit vacuum strength** in the touch screen menu to **Standard**, **Medium-strong**, or **Strong**.

If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- Troubleshooting Paper Abrasion and Blurry Images

If using paper thinner than 0.004 inches (0.1 mm), set **Transport unit vacuum strength** in the touch screen menu to **Weak**.

If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

Adjusting Vacuum Strength

Troubleshooting Paper Abrasion and Blurry Images

Check 5 When loading paper in the printer, is the media loaded the same as the media type selected on the touch screen?

Select the correct media type in the touch screen menu when loading paper in the printer.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

Check 6 Does the paper have a strong curl at the front edge or is it buckled?

Set Cutting mode in the touch screen menu to User cut, and set leading edge detection to Do not detect.

To keep track of the amount of roll paper remaining, set **Manage remaining roll amount** to **Disable** before loading the roll paper, and then restore the setting of **Manage remaining roll amount** after the roll paper is loaded.

Specifying the Cutting Method for Rolls

Keeping Track of the Amount of Roll Paper Left

The edges of the paper are dirty



Check 1 Was printing borderless or on small paper?

The platen may become dirtied by printing borderless or on small paper sizes.

Open the top cover and clean the platen.

Cleaning Inside the Top Cover

Check 2 Is the setting of **Extension for borderless printing** in the touch screen menu large?

The platen may become dirtied by setting a large amount of extension.

Reduce the setting of **Extension for borderless printing** in the touch screen menu to less than the current setting. (Select a smaller number than the current setting.)

Menu Structure

Check 3 Is the media type specified in the printer driver the same as the media type in the printer?

Make sure the same type of paper is specified on the printer as in the printer driver.

Changing the Type of Paper

Follow the steps below to change the printer driver settings.

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.

Check 4 Is the paper creased or curled?

Straighten out the wrinkles or curls and reload the paper. Do not use paper that has been printed on previously.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

Check 5 Is **Cut-dust reduction** in the touch screen menu **Advanced paper settings** set to **ON**?

A cut dust reduction line is printed at the paper cut position when **Cut-dust reduction** is set to **ON**.

If cutting dust reduction is not required, set Cut-dust reduction to OFF.

Menu Structure

Check 6 Is the Print head height set too low in the touch screen menu?

Set Paper Thickness (Head Height) to Auto.

Troubleshooting Paper Abrasion and Blurry Images

Check 7 Is the paper thick, or a type that curls easily or is prone to buckling after absorbing ink?

If using paper-based printing material such as thick-coat paper, set **Transport unit vacuum strength** in the touch screen menu to **Medium-strong** or **Strong**.

If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- Troubleshooting Paper Abrasion and Blurry Images

If using film-based printing material such as tracing paper, set the **Transport unit vacuum strength** in the touch screen menu to **Standard**, **Medium-strong**, or **Strong**.

If that does not resolve the problem, increase the **Paper Thickness (Head Height)** setting in the touch screen menu.

- Adjusting Vacuum Strength
- Troubleshooting Paper Abrasion and Blurry Images

Check 8 Is the output guide clean?

Clean the output guide.

Cleaning the Printer Exterior

The surface of the paper is dirty

$\Delta_{\mathscr{I}}$



Check 1 Is the paper retainer clean?

Clean the paper retainer.

Cleaning Inside the Top Cover

Check 2 Does this paper take longer to dry?

Set the Pause between pages in the touch screen menu to approximately 1 minute.

Menu Structure

>>>> Note

• When printing on paper that takes longer to dry, the paper may curl during printing and come in contact with the output tray.

In such situations, set an Ink drying wait time and an Ink drying target area for Pause between scans in the touch screen menu.

However, note that printing will now take longer.

Menu Structure

>>>> Note

· In a hot and humid environment, rolling paper printed with images containing areas of saturated color may transfer ink to the contact surface, affecting print quality.

Move the printer to a different environment, or let the paper dry before rolling it.

The back side of the paper is dirty



Check 1 Was the previous print job borderless, or printed on small paper?

Open the top cover and clean the platen.

Cleaning Inside the Top Cover

Check 2 Is **Detect paper width** in the touch screen menu set to **Disable**?

Printing with Detect paper width set to Disable may cause the platen to be dirtied.

Set **Detect paper width** in the touch screen menu to **Enable**, and then open the top cover and clean the platen.

Cleaning Inside the Top Cover

To continue printing with **Detect paper width** set to **Disable**, first open the top cover and clean the platen, and then manually feed roll paper over the platen when printing.

- Cleaning Inside the Top Cover
- Feeding Roll Paper Manually

Check 3 Paper may be gripped weakly over the platen.

Set a higher Transport unit vacuum strength in the touch screen menu.

Adjusting Vacuum Strength

Check 4 Is the setting of **Extension for borderless printing** in the touch screen menu large?

The platen may become dirtied by setting a large amount of extension.

Reduce the setting of **Extension for borderless printing** in the touch screen menu to less than the current setting. (Select a smaller number than the current setting.)

Menu Structure

>>>> Note

- If the platen is dirty, open the top cover and clean the platen.
- In a hot and humid environment, rolling paper printed with images containing areas of saturated color may transfer ink to the contact surface, affecting print quality.

Move the printer to a different environment, or let the paper dry before rolling it.

Q>

Immediately after borderless printing, the trailing edge margin is soiled during regular printing

A

In some situations, borderless printing with automatic cutting of the leading and trailing edges on roll paper may transfer ink on the cutter blade to the next item printed.

Follow the steps below to change **Between Pages** in **Drying Time** to between 30 seconds and 3 minutes and perform borderless printing.

- Windows
 - 1. Click Specify for Media Type on the Main sheet of the printer driver.
 - 2. Select an ink drying time from the Between Pages list in Drying Time.
- macOS

Select an ink drying time from the **Drying Time** list on the **Paper Detailed Settings** sheet of the printer driver.



Check 1 Has color been adjusted in the printer driver?

Follow the steps below to adjust color settings.

Windows

Adjust the color settings with Color Mode > Color Settings in Advanced Settings in the printer driver.

- Main Tab Description (Windows)
- macOS

Adjust the color settings in the printer driver Color Options.

Color Options (macOS)

Check 2 Has the computer or monitor color been adjusted?

Take the actions below.

- Refer to the computer and monitor documentation to adjust the colors.
- · Adjust the settings of the color management software, referring to the software documentation as needed.

Check 3 Is the Print head nozzle blocked?

Print a test pattern to check the nozzles and see if they are clogged.

Checking for Nozzle Clogging

Check 4 Is Application Color Matching Priority set to Off in a Windows printer driver?

In the printer driver Layout sheet, click Special Settings, and then set Application Color Matching Priority to **On** in the dialog box that appears.

Layout Tab Description (Windows)

Banding in different colors occurs



Check 1 Are paper actually loaded on the printer and the media type selected on the touch screen the same?

Select the correct media type in the touch screen menu when loading paper in the printer.

Loading Rolls in the Printer

Loading Sheets in the Printer

Check 2 Has the paper feed rate been calibrated properly?

Adjust the feed amount.

Adjusting Feed Amount

Check 3 Print job may have been interrupted while receiving, and therefore not printed at a fast frame rate

Exit other applications and cancel other print jobs.

Check 4 Is Set priority in the touch screen menu set to Prioritize length accuracy?

Setting Set priority to Prioritize print quality and adjusting the feed amount can help.

Adjusting Feed Amount

Check 5 Check if the Print head is in the right position

Adjust the Print head position.

Automatic Adjustment to Straighten Lines and Colors

Check 6 Make sure that the Print head nozzle is not blocked

Print a test pattern to check the nozzles and see if they are clogged.

Checking for Nozzle Clogging

Note

• To automatically check for nozzle blockages after printing, set **Auto nozzle check** in the touch screen menu to a setting other than **Disable**.

To show warnings based on nozzle check results, set **Nozzle check error display** in the touch screen menu to **Enable**.

However, printing may be stopped by warnings if this setting is set to Enable.

Menu Structure

Check 7 Low **Print Quality** setting causing lines in the printing

Follow the steps below to set Print Quality to High, and then print.

- Windows
 - Change the **Print Quality** settings in the printer driver **Advanced Settings**.
 - Changing the Print Quality and Correcting Image Data (Windows)
- macOS

Change the **Print Quality** in the printer driver **Quality & Media** settings.

Changing the Print Quality and Correcting Image Data (macOS)

If a setting higher than **Standard** is selected, the printing time is longer and more ink is used.

Check 8 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load paper of the same type as you have specified in the printer driver.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

Follow the steps below to change the printer driver settings.

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.



Check 1 Does this paper curl easily?

Colors in printed images may be uneven at the leading edge of paper that curls easily. Change the **Transport unit vacuum strength** in the touch screen to increase the grip on the paper, or set a margin of at least 0.8 inches (20 mm) at the front edge of the paper.

Adjusting Vacuum Strength

Check 2 Make sure you are not printing with AirPrint. (macOS)

Select a printer to use on Printers & Scanners under System Preferences.

If "...AirPrint" is included in the printer name shown on **Kind**, you are using the printer with AirPrint. In this case, install the CUPS driver and perform printing using the CUPS driver.

Check 3 Colors in printed images may be uneven if the **Print Quality** setting is too low

If using Windows, select **Advanced Settings** from the **Main** tab of the printer driver, and then select a higher **Print Quality** setting.

If using macOS, select Quality & Media in the printer driver, and then select a higher Print Quality setting.

When **Fast** or **Standard** is selected, the printing time is shorter and less ink is used than with **High**, but the print quality is reduced.

M Changing the Print Quality and Correcting Image Data (Windows)

Changing the Print Quality and Correcting Image Data (macOS)

Check 4 Colors in printed images may be uneven on the boundary between shades if there are dark and light areas in an image

Using the unidirectional printing function may reduce color unevenness in this situation.

Follow the steps below for unidirectional printing.

• Windows

Open **Paper Detailed Settings** from the **Main** tab of the printer driver, and then select **Unidirectional Printing**.

macOS

Open Paper Detailed Settings in the printer driver, and then select Unidirectional Printing.

Check 5 If printing borderless, colors in printed images may be a little uneven at the leading edge of the paper because printing is interrupted to cut the paper

Set the printer driver **Automatic Cutting** settings to **No**, and then print. Doing this prints only the left and right sides borderless. Cut the top and bottom borders with a cutting implement such as scissors after the printed materials are output and cut.

Note Note

• Selecting a higher Print Quality in the printer driver Advanced Settings may resolve the problem.

- Changing the Print Quality and Correcting Image Data (Windows)
- Changing the Print Quality and Correcting Image Data (macOS)

Check 6 Check if the Print head is in the right position

Adjust the Print head position.

Automatic Adjustment to Straighten Lines and Colors

Check 7 Color may be uneven if printing materials were stacked while drying

To avoid uneven colors, we recommend drying each sheet separately.

Check 8 Density may be uneven if using Glossy Paper or Coated Paper

Set **Print Quality** to **High**, and then print.

Check 9 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load paper of the same type as you have specified in the printer driver.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Change the type of paper in the printer driver and try printing again.

Check 10 Is **Ink drying target area** for **Pause between scans** in the touch screen menu set to **Leading edge**?

If the **Ink drying target area** for **Pause between scans** is set to **Leading edge**, color may be uneven approximately 3.1 to 5.1 inches (80 to 130 mm) from the front edge of the paper. (The position depends on the **Print Quality** settings)

In this case, set Ink drying target area for Pause between scans to Overall.

However, note that printing will now take longer.

Menu Structure



Image edges are blurred or white banding occurs

A

Check 1 Paper may be gripped too strongly over the platen.

Set a lower Transport unit vacuum strength in the touch screen menu.

Adjusting Vacuum Strength

Check 2 Check if the Print head is in the right position.

For detailed printing of small text or fine lines on glossy or semi-gloss photo paper or proof paper, etc., set the Print head to the optimal height and then adjust the position of the Print head.

Adjusting the Print Head

Setting a lower value for Paper Thickness (Head Height) in the touch screen menu may resolve the problem.

Troubleshooting Paper Abrasion and Blurry Images

Check 3 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

Loading Rolls in the Printer

Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.



The contrast becomes uneven during printing

A

Check 1 Has the paper feed rate been calibrated properly?

Adjust the feed amount.

Adjusting Feed Amount

Check 2 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

Loading Rolls in the Printer

Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the ${\color{black}{\textbf{Stop}}}$ button.
- 2. Change the type of paper in the printer driver and try printing again.

Check 3 Has the Print head position been calibrated properly?

Adjust the Print head position.

Automatic Adjustment to Straighten Lines and Colors



The length of printed images is inaccurate in the feeding direction

A

Check 1 Is Set priority for Paper feed adjustment in the touch screen menu set to Prioritize print quality?

Set Set priority for Paper feed adjustment to Prioritize length accuracy, and then carry out Adjust feed length.

Adjusting Feed Amount

Check 2 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.



Images are printed crooked



Check 1 Is Skew detection accuracy in the touch screen menu set to Loose or OFF?

Set Skew detection accuracy to Standard, and then reload the paper.

Menu Structure



Set Detect paper width in the touch screen menu to Enable.

Menu Structure

Check 3 Has the roll paper been loaded at an angle?

If there is a gap between the roll paper and roll holder, reload the roll.

- Loading Rolls on the Roll Holder
- Loading Rolls in the Printer

Documents are printed in monochrome



Check 1 Is Color Mode set to Monochrome in the printer driver?

- For Windows
 - In the Advanced Settings of the printer driver, specify Color in Color Mode and try printing again.
- For macOS

In the Quality & Media of the printer driver, specify Color in Color Mode and try printing again.

Check 2 The Print head nozzle may be blocked.

Print a test pattern to check the color ink nozzles and see if they are clogged.

Checking for Nozzle Clogging

Q>> Line thickness is not uniform

A

Check 1 Is **Fast Graphic Process** set to **On** in the Windows printer driver **Special Settings** dialog box?

Access the printer driver **Properties** dialog box from **Print** in the **File** menu of the source application, and follow these steps to print.

- 1. Deselect Preview before printing in the Main sheet.
- 2. Deselect Page Layout in the Layout sheet.
- 3. Click the **Special Settings** button in the **Layout** sheet, and then set **Fast Graphic Process** to **Off** in the **Special Settings** dialog box that opens.

Check 2 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

Loading Rolls in the Printer

Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.

Check 3 Adjust the position of the Print head

For detailed printing of small text or fine lines on glossy or semi-gloss photo paper or proof paper, etc., set the Print head to the optimal height and then adjust the position of the Print head.

Adjusting the Print Head

>>>> Note

• Setting a lower value for **Paper Thickness (Head Height)** in the touch screen menu may resolve the problem.

Troubleshooting Paper Abrasion and Blurry Images

Lines or colors are misaligned



Check 1 Adjust the position of the Print head

If borders are misaligned or the print results are not uniform, adjust the position of the Print head.

Adjusting the Print Head

For detailed printing of small text or fine lines on glossy or semi-gloss photo paper or proof paper, etc., set the Print head to the optimal height and then adjust the position of the Print head.

- Changing the Print Quality and Correcting Image Data (Windows)
- Changing the Print Quality and Correcting Image Data (macOS)

>>>> Note

- Setting a lower value for Paper Thickness (Head Height) in the touch screen menu may resolve the problem.
 - Troubleshooting Paper Abrasion and Blurry Images

Check 2 Is the media type specified in the printer driver the same as the media type loaded in the printer?

Load the printer with the media type specified in the printer driver.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

Follow the steps below to match the media type in the printer driver to the media type loaded in the printer.

- 1. To stop printing, press the **Stop** button.
- 2. Reset the media type in the printer driver, and then print.

Check 3 Perform Print head angle alignment.

Select Print head angle adjustment in the touch screen menu to align the Print head angle.

Adjusting Line Misalignment

Important

· Changing the release lever position while printing is in progress causes paper jam, misaligned lines, or wrong colors. Be careful not to touch the release lever while printing in progress.

Borders appear in borderless printing

A

Check the items below if white streaks or border appears on the edge of the paper in borderless printing.

Check 1 Did you try adjusting the position of the Print head?

Adjusting the position of the Print head improves the printing accuracy.

Adjusting the Print Head

Check 2 If printing full-scale borderless, is the selected paper wider than the source size?

For borderless printing at actual size, use roll paper that has the same width as the actual page size.

- Printing Full-Size without Margins (Windows)
- Printing Full-Size without Margins (macOS)

Check 3 Does the source file have margins?

Check that the printing image data does not have any objects like crop marks and transparent objects.

Check 4 Is a margin set in application software?

Check that no margins are configured in the application software you are using.

Check 5 Is the setting of **Extension for borderless printing** in the touch screen menu small?

Increase the setting of **Extension for borderless printing** in the touch screen menu to more than the current setting. (Select a larger number than the current setting.)

Menu Structure

Q,

Cannot Specify Extension for borderless printing After Warning Message

A

If a large amount of borderless printing is performed for a long period, a warning message will appear and the specifying the setting of **Extension for borderless printing** will be impossible.

This condition can not be canceled.

Notice list

Printing can still be performed, but margins will appear even if borderless printing is set.

>>>> Note

• All printing functions except the setting of **Extension for borderless printing** can be used.

Cannot Print over Network

- **Cannot Connect Printer to Network**
- Cannot Print over TCP/IP Network
- Cannot Print over Bonjour networks

Q Cannot Connect Printer to Network



Check1 Is the Ethernet cable connected correctly to the printer's wired LAN connector?

Make sure the printer is connected to the network with the correct Ethernet cable, and then turn the printer on. For instructions on connecting the cable, refer to the Setup Guide.

Check2 Make sure the Link indicator is lit.

The left and right indicators are lit if the printer is connected via 1000Base-T.

The left indicator is green if the printer is connected via 100Base-TX, and the right indicator is orange if connected via 10Base-T.

If the Link indicator is not lit, check the following points.

- The hub is on.
- The end of the Ethernet cable is connected correctly.

Insert the Ethernet cable until it clicks and locks in place.

• There is no problem with the Ethernet cable.

If there is any problem, replace the Ethernet cable.

Cannot Print over TCP/IP Network

A

Check1 Is the printer's IP address configured correctly?

Make sure the printer's IP address is configured correctly.

>>>> Note

- For Windows, you can configure the printer's IP address using IJ Network Device Setup Utility.
 - For wired LAN:
 - Performing/Changing Wired LAN Connection (Ethernet Cable) Settings
 - For Wi-Fi:
 - Performing/Changing Wi-Fi Settings

Check2 Are the printer's TCP/IP network settings configured correctly?

Make sure the printer's TCP/IP network settings are configured correctly.

Check3 Is the computer you are trying to print from configured correctly?

Make sure the computer's TCP/IP network settings are configured correctly.

Cannot Print over Bonjour networks



Check1 Is the computer you are trying to print from configured correctly?

Make sure the computer is configured correctly.

Check2 Are the computer and printer on the same network?

Due to the nature of Bonjour, printing may not be possible if the printer is on another network behind a router. Make sure the computer and printer are on the same network. For information about network settings, ask your network administrator.

Check3 Are the printer's Bonjour settings configured correctly?

Make sure the Bonjour settings are configured correctly.

Cannot Find Printer on Network

- > Cannot Find Printer on Check Printer Settings Screen (Windows)
- Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen
- Searching Printer by IP Address or Host Name During Setup
- > Cannot Find Printer while Using Wi-Fi
- Cannot Find Printer while Using Wired LAN
- Cannot Print Using AirPrint

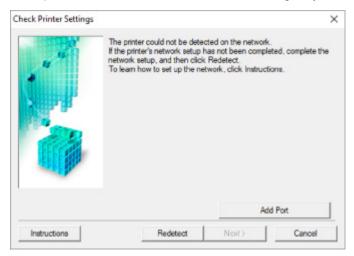


Cannot Find Printer on Check Printer Settings Screen (Windows)



If the printer cannot be found and the **Check Printer Settings** screen appears after searching the printer by **Automatic search** on the **Search for Printers** screen, click **Redetect** and search for the printer again by the IP address on the **Search for Printers** screen.

If the printer has not been found after searching it by the IP address, check network settings.



Q,

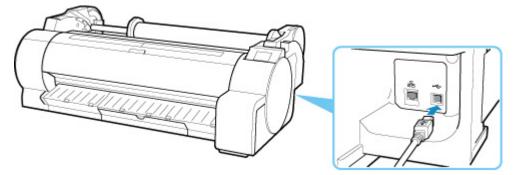
Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen



If you cannot proceed beyond the **Printer Connection** screen or the **Connect Cable** screen, check the following.

Check1 Make sure USB cable is securely plugged in to printer and computer.

Connect the printer and the computer using a USB cable as the illustration below. The USB port is located at the right side of the printer.



Check the items below only if you cannot proceed beyond the Printer Connection screen.

Check2 Follow procedure below to connect printer and computer again.

Important

• For macOS, make sure the lock icon is on the lower left of the Printers & Scanners screen.

If the *icon* (locked) is displayed, click the icon to unlock. (The administrator name and the password are necessary to unlock.)

- 1. Turn off printer.
- 2. Unplug USB cable from printer and computer and connect it again.
- 3. Turn on printer.

Check3 If you cannot resolve problem, follow procedure below to reinstall printer driver.

- For Windows:
 - 1. Click Cancel.
 - 2. Click Back to Top on Setup Canceled screen.

- 3. Click Exit on Start Setup screen and finish setup.
- 4. Turn off printer.
- 5. Restart computer.
- 6. Make sure you have no application software running.
- 7. Perform setup on web page.

Note Note

- You can use the Setup CD-ROM to redo setup.
- For macOS:
 - 1. Click Next.

The screen telling you that installation has not been completed appears.

2. Click No.

The screen to select application software to install appears.

- 3. Click Back to Top.
- 4. Click Exit on Start Setup screen.
- 5. Turn off printer.
- 6. Restart computer.
- 7. Make sure you have no application software running.
- 8. Perform setup on web page.

Searching Printer by IP Address or Host Name During Setup

If the printer cannot be found on the **Select Printer** screen, search for the printer by an IP address or host name. Click **Specify the IP address and run the search** on the screen which appears by clicking **Printer Not Found**. The screen to select searching criteria appears.

1. Check printer's IP address or host name.

To check the printer's IP Address or host name, print out the network settings information or use the operation panel to display it.

- Display on the touch screen.
 - LAN settings
- Print the network settings.
 - Printing Network Settings



- If you use the printer in an office, ask the network administrator.
- **2.** Specify searching method.

Select one of the method below.

-			
Search by IPv4 addr	ress		
○ Search by IPv6 addr	ess		
O Search by host name			
	-		
)		
	d run the search, you must a	assign an IP address to the printer	beforehand. For more details,
ick [Online Manual].			

A: Search by IPv4 address

Select to search for printers by IPv4 address.

B: Search by IPv6 address

Select to search for printers by IPv6 address.

C: Search by host name

Select to search for printers by host name. A host name is referred to as LLMNR host name or Bonjour name.

3. Enter IP address or host name and click Next.

Printer search starts.

If an error screen appears:

Resolve the error according to the instruction on the screen.

If the IP address you entered is already used for another device, follow the procedure below to specify printer's IP address.

1. Select

(Network status) icon.

Menu Operations

If you specify the administrator password, enter the password.

- 2. Select Wi-Fi.
- 3. Select Settings.
- 4. Select Advanced.
- 5. Select TCP/IP settings.
 - If you specify IPv4 address:
 - 1. Select IPv4.
 - 2. Select Yes on the displayed screen.
 - 3. Select IP address.
 - 4. Select Manual setup.

Selecting Auto setup specifies the IP address automatically.

- 5. Enter IP address.
- 6. Select OK.
- 7. Enter subnet mask.

- 8. Select OK.
- 9. Enter default gateway.
- 10. Select OK.

The IPv4 address has been specified.

If you specify IPv6 address:

- 1. Select IPv6.
- 2. Select Yes on the displayed screen.
- 3. Select Enable/disable IPv6.

4. Select Enable.

The IPv6 address has been specified.

Important

• If firewall is enabled on the computer, printers on a different subnet may not be detected. Disable firewall.

If firewall interferes with printer search:

· If message appears:

If a message appears warning that Canon software is attempting to access the network, set the security software to allow access.

After allowing the software to access, specify the IP address or host name and search for printers again.

If the printer is found, follow the instructions on the screen to continue to set up the network communication.

• If no message appears:

Cancel searching printers, and then set the security software to allow Canon software below to access the network.

• For Windows:

Setup.exe or Setup64.exe in the win > Driver > DrvSetup folder on the Setup CD-ROM

• For macOS:

Setup.app, canonijnetwork.bundle, cnwidsd.plugin, cnwidss.plugin

After setting the security software, specify the IP address or host name and search for printers again.

>>>> Note

• For more on firewall settings of your operating system or security software, see instruction manual or contact its manufacturer.



Check1 Make sure printer is turned on.

If not, make sure the printer is securely plugged in and press **ON** button to turn on.

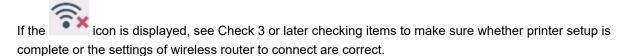
The ON lamp flashes while the printer is initializing. Wait until the ON lamp stops flashing and remains lit.

Check2 Check the network status on the touch screen.



icon is displayed, wireless LAN is disabled. icon is displayed, or only the

Set Enable/disable Wi-Fi in the touch screen menu to Enable.



Check3 Make sure printer setup is complete on the computer.

If it is not, perform setup.

· For Windows:

Perform setup using the Setup CD-ROM or from the web page.

· For macOS:

Perform setup from the web page.

>>>> Note

- · IJ Network Device Setup Utility allows you to diagnose and repair the network status. Download it from the web page.
 - For Windows
 - For macOS

Check4 Make sure printer and wireless router network settings match.

Make sure the network settings of the printer (e.g. wireless router name, SSID, network key, etc.) are identical with those of the wireless router.

To check the settings of the wireless router, refer to the instruction manual provided with it or contact its manufacturer.

>>>> Note

• Use 2.4 GHz frequency band to connect to a wireless router. Match the SSID set for the printer with that for 2.4 GHz frequency band of the wireless router.

To check the SSID set for the printer, print out the network setting information or use the operation panel to display it.

- Display on the touch screen.
 - LAN settings
- Print the network settings.
 - Printing Network Settings

>>>> Note

• IJ Network Device Setup Utility allows you to diagnose and repair the network status.

Select the link below to download IJ Network Device Setup Utility and install it.

Checking Printer Connection Status Using IJ Network Device Setup Utility

See below for starting up IJ Network Device Setup Utility.

- For Windows:
 - Starting Up IJ Network Device Setup Utility
- For macOS:
 - Starting Up IJ Network Device Setup Utility

Check5 Make sure the printer is not placed too far away from the wireless router.

If the distance between the printer and wireless router is too far, wireless communication becomes poor. Place the printer and wireless router close to each other.

>>>> Note

• Though an antenna is attached to most wireless routers, note that some of them have it inside.

Check6 Make sure wireless signal is strong. Monitor signal strength and move printer and wireless router as necessary.

Place the printer and wireless router where there are no obstacles between them. Wireless communication between different rooms or floors is generally poor. Wireless communication can be impeded by building materials containing metal or concrete. If the printer cannot communicate with the computer over a Wi-Fi due to a wall, place the printer and the computer in the same room.

In addition, if a device like a microwave oven that emits radio waves of the same frequency bandwidth as a wireless router is nearby, it may cause interference. Place the wireless router as far away from interference sources as possible.

>>>> Note

- IJ Network Device Setup Utility allows you to diagnose and repair the network status.
 - Select the link below to download IJ Network Device Setup Utility and install it.
 - Checking Printer Connection Status Using IJ Network Device Setup Utility

See below for starting up IJ Network Device Setup Utility.

- For Windows:
 - Starting Up IJ Network Device Setup Utility
- · For macOS:

Starting Up IJ Network Device Setup Utility

Check7 Make sure the computer is connected to the wireless router.

For more on how to check the computer settings or connection status, see your computer instruction manual or contact its manufacturer.

Note Note

• If you use a smartphone or tablet, make sure the Wi-Fi is enabled on the device.

Check8 Make sure **Enable bidirectional support** is selected in the **Ports** sheet of the properties dialog box of the printer driver. (Windows)

If not, select it to enable bidirectional support.

Check9 Make sure security software's firewall is off.

If your security software's firewall is on, a message may appear warning you that Canon software is attempting to access the network. If this warning message appears, set security software to always allow access.

If you are using any programs that switch between network environments, check their settings. Some programs use a firewall by default.

Check10 If printer is connected to an AirPort Base Station via LAN, make sure you use alphanumeric characters for network identifier (SSID). (macOS)

If the problem is not resolved, redo setup.

• For Windows:

Perform setup using the Setup CD-ROM or from the web page.

• For macOS:

Perform setup from the web page.

Cannot Find Printer while Using Wired LAN

Δ



Check1 Make sure printer is turned on.

If not, make sure the printer is securely plugged in and press ON button to turn on.

The ON lamp flashes while the printer is initializing. Wait until the ON lamp stops flashing and remains lit.

Check2



古古 icon displayed on touch screen?

If the icon is not displayed, wired LAN is disabled.

(Setup) icon, Device settings, LAN settings, Wired LAN, Settings, and then select If not, select Enable for Enable/disable Wired LAN.

Check3 Make sure LAN cable is connected properly.

Make sure the printer is connected to the router with the LAN cable. If the LAN cable is loose, connect the cable properly.

If the LAN cable is connected to the WAN side of the router, connect the cable to the LAN side of the router.

$\mathbf{\Omega}$ **Cannot Print Using AirPrint**

A



Check1 Make sure printer is turned on.

If the printer is turned on, turn it off and back on, and then check whether the issue is resolved.

Check2 Make sure printer is registered to your computer.

Check3 Make sure printer is connected by LAN to same network subnet as AirPrint compliant device when printing over LAN.

Check4 Make sure printer has enough paper and ink.

Check5 Make sure no error message is displayed on printer's touch screen.

Installation Problems

- Removing Printer Software
- > Taking Time to Setup Process (Windows)
- Failed to Printer Driver Installation (Windows)

Q Removing Printer Software

A

Follow the steps below to remove utility software installed on the computer.

Important

• You must log in as an administrator or have administrator permissions.

>>>> Note

- See the pages below for how to remove printer drivers.
 - Deleting the Unnecessary Printer Driver (Windows)
 - Deleting the Unnecessary Printer Driver (macOS)

Removing the IJ Network Device Setup Utility (Windows)

Follow the steps below to remove the IJ Network Device Setup Utility.

- Windows 10
 - 1. Click start, select Windows System, and then select Control Panel.
 - **2.** Under **Programs**, select **Programs and Features**, select IJ Network Device Setup Utility from the list of programs, and then click **Uninstall**.
- Windows 8.1
 - 1. Use the Settings charm on the desktop to open the Control Panel.
 - **2.** Under **Programs**, select **Programs and Features**, select IJ Network Device Setup Utility from the list of programs, and then click the **Uninstall** button.
- Windows 7
 - 1. Select Control Panel from the start menu.
 - 2. Select Uninstall a program.
 - 3. Select IJ Network Device Setup Utility, and then click the Uninstall button.

>>>> Note

• If the User Account Control dialog box is displayed, click Yes.

Removing the IJ Network Device Setup Utility (macOS)

Follow the steps below to remove the IJ Network Device Setup Utility.

- Select Applications from Go menu of Finder, double-click Canon Utilities > IJ Network Device Setup Utility, and then drag Canon IJ Network Device Setup Utility icon into Trash.
- 2. Restart computer.

Empty the **Trash** and restart your computer.

>>>> Note

• To reinstall IJ Network Device Setup Utility, uninstall IJ Network Device Setup Utility and install it again from the Canon website.

Q Taking Time to Setup Process (Windows)

A

If Windows update starts during setup, or if you perform setup while Windows update is in progress, it may take a while to register the printer or to perform other processes.

Wait for a while. This is not a malfunction.

Q Failed to Printer Driver Installation (Windows)



• If installation does not start when you insert Setup CD-ROM:

Follow the instructions below to start the installation.

- **1.** Make the following settings.
 - In Windows 10, click Start button > File Explorer, and then click This PC from list on left.
 - In Windows 8.1, select **Explorer** icon in **Taskbar** on **Desktop**, and then select **This PC** from list on left.
 - In Windows 7, click **Start**, and then click **Computer**.
- **2.** Double-click the CD-ROM icon in the window that appears.

If the contents of the CD-ROM appear, double-click MSETUP4.EXE.

If you cannot install the printer driver with the Setup CD-ROM, install it from the Canon website.

>>>> Note

- If the CD-ROM icon does not appear, try the following:
 - · Remove the CD-ROM from your computer and reinsert it.
 - Restart your computer.

If the icon still does not appear, try a different disc and see if it appears. If it does, there is a problem with the Setup CD-ROM. Contact your nearest Canon service center to request a repair.

• If you cannot get past the Printer Connection screen:

1.	2	3	0
Printer Connection Connect the printer and the con Aake sure that the printer is tur	nputer using the USB cable.		
			Troubleshooting

Cannot Proceed beyond Printer Connection Screen/Connect Cable Screen

• Other cases:

Reinstall the printer driver.

If the printer driver was not installed correctly, uninstall the printer driver, restart your computer, and then reinstall the printer driver.

Deleting the Unnecessary Printer Driver

Reinstall the printer driver with the Setup CD-ROM or install it from the Canon website.

>>>> Note

• If the installer was stopped due to a Windows error, Windows operation may be unstable, and you may not be able to install the drivers. Restart your computer and then reinstall the drivers.

HP-GL/2 problems

- With HP-GL/2, printing is misaligned
- Lines or images are missing in printed HP-GL/2 jobs
- Lines are printed too thick or thin in HP-GL/2 print jobs
- > HP-GL/2 jobs are printed in monochrome (or color)
- > Printed colors of lines are inaccurate during HP-GL/2 printing
- > HP-GL/2 jobs are printed 6 mm larger than specified
- > HP-GL/2 jobs are printed at maximum size, even if a standard size is specified
- > HP-GL/2 printing takes a long time
- > The printer stops when printing a HP-GL/2 job (the carriage stops moving)

Q, With HP-GL/2, printing is misaligned

A

Check Check the Margin setting.

Adjust the Margin setting values in the touch screen menu.



Lines or images are missing in printed HP-GL/2 jobs

A

Check 1 Is the memory full?

Check the size of the data in the print job.

Check 2 Is the printer receiving an HP-GL/2 command not supported by this printer?

Check the print job and settings.

Check 3 Has the printer received print data that includes HP RTL commands when **Auto rotation** is **ON**?

Set Auto rotation to OFF in the touch screen menu and print again.

Print settings

Check 4 Is **Oversize** set to **Disable**?

Set Oversize to Enable in the touch screen menu.

Q,

Lines are printed too thick or thin in HP-GL/2 print jobs

A

Check 1 Check the **Width** setting in **Pen setup** menu.

Select Pen setup, then select Define palette, and change the Width setting of each pen in each palette.

Print settings



Change the Width correction setting in the touch screen menu.

Print settings

Check 3 Is Adjust faint lines set to OFF?

If fine lines are printed faintly, setting Adjust faint lines to ON will print the lines more distinctly.

A

Check Check the **Color mode** setting.

Check the **Color mode** setting in the touch screen menu.

Print settings

However, for optimal Print head performance, the printer consumes trace amounts of color ink even when **Monochrome** is selected as **Color mode**.

Printed colors of lines are inaccurate during HP-GL/2 printing



Check Is Adjust faint lines set to ON?

Setting **Adjust faint lines** to **OFF** in the touch screen menu may help produce the expected results. However, lines in some colors may appear broken.

Q> HP-GL/2 jobs are printed 6 mm larger than specified



Check Check the page size of the HP-GL/2 print job, as created in the source application.

Set **Oversize** to **Disable** in the touch screen menu.

Q,

HP-GL/2 jobs are printed at maximum size, even if a standard size is specified

A

Check Check the page size of the HP-GL/2 print job, as created in the source application.

Set **Conserve paper** to **ON** in the touch screen menu.

Q> HP-GL/2 printing takes a long time



Check 1 Is the print data size large?

Large print jobs with a lot of data take longer to print. Please wait a while until printing is finished.

Check 2 Is Input resolution set to 600 dpi?

Set Input resolution to 300 dpi.

Adjusting Feed Amount

\mathbf{O}

The printer stops when printing a HP-GL/2 job (the carriage stops moving)



Check 1 The printer is analyzing the print job.

Please wait a while until printing is finished.

Check 2 Is Input resolution set to 600 dpi?

Set Input resolution to 300 dpi.

Adjusting Feed Amount

Other Problems

- Printer does not turn on
- > If the Printer Makes a Strange Sound
- Messages advising to check the maintenance cartridge are not cleared
- Printer consumes a lot of ink
- Ink Level Detection

Printer does not turn on





Check 1 Is the power cord plugged in?

Plug the power cord into the outlet, and then turn on the printer.

Check 2 Is the specified voltage being supplied?

Check the voltage of the outlet and breaker.

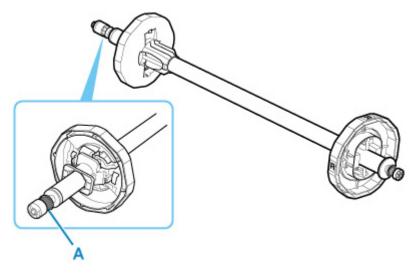
Specifications

Q If the Printer Makes a Strange Sound



Check 1 Has an unusual noise been produced from the vicinity of the roll holder?

If dust accumulates on the gear (A) at the end of the roll holder, a noise may produced from that area.



When the noise starts, clean the gear with the following procedure.

- 1. Remove the roll holder from the printer.
- 2. Wipe the dust off the gear with a damp, tightly wrung cloth, and then dry with a dry cloth.
- 3. Insert the roll holder in the printer.

Check 2 Operating noise may be heard from the printer even when not printing.

The following sounds do not indicate a problem with the printer.

• A suction sound can be heard from the platen

To prevent the paper from rising, the surface of the platen has vacuum holes that create suction on the paper.

• Roll paper makes a fluttering sound during printing.

There may be a fluttering sound when large paper is advanced.

• You suddenly hear the sound of cleaning operations.

Cleaning is automatically performed at specified intervals in order to keep the printer maintained.

• You suddenly hear the sound of ink agitation.

Ink is automatically agitated after specified intervals to maintain optimal print quality. Agitation takes approximately 20 seconds to 2 minutes.

Ink is also agitated automatically at the following times. Please note that no other operations can be performed while "**Agitating the ink**" is on the touch screen.

- After the printer is turned on
- After data transmission
- After ink tank replacement

In other cases, contact your Canon dealer.

Q,

Messages advising to check the maintenance cartridge are not cleared

A

The newly replaced maintenance cartridge is not recognized.

Remove the newly replaced maintenance cartridge, and then reinsert it again firmly.

Replacing the Maintenance Cartridge



Check 1 Are lots of full-color materials being printed?

In print jobs such as photos, images are filled with color. This consumes a lot of ink. This does not indicate a problem with the printer.

Check 2 Is System cleaning being carried out frequently?

System cleaning uses a lot of ink. This is normal. We recommend that you only carry out **System cleaning** after the printer has been transported, if has not been used for a long time, or if there is a problem with the Print head.

Check 3 You have just finished initial installation, when more ink is consumed to fill the system.

If using the printer for the first time, or using it after transport, the ink tank will supply an initial fill of ink to the Print head.

Although the amount of remaining ink may drop as a result, it does not indicate a problem.

Check 4 Is the Print head nozzle blocked?

Check for nozzle clogging.

Checking for Nozzle Clogging

Q> Ink Level Detection

A

The printer ink tank detects the amount of ink remaining to prevent running out of ink while printing and to avoid printer failure.

Ink Tanks

When using an ink tank refilled with ink, the function for detecting the remaining ink level may not operate properly and printing may stop. If you want to use an ink tank refilled with ink, you need to disable the function for detecting the remaining ink level.

Printing with the ink level detection canceled may lead to printer damage and printing problems. Canon Inc. is not liable for any damage that may occur as a result of refilling ink.

Important

- Once the function for detecting the remaining ink level is disabled, it cannot be restored for that ink tank. To restore the function for detecting the remaining ink level, replace the ink tank with a new ink tank for that printer.
- Repeatedly removing and inserting the same ink tank can cause the contacts between the ink tank and printer to malfunction, ink may leak from the ink tank, and the printer may become damaged.

Releasing ink level detection

Ink level detection will be deactivated if you load ink tanks once emptied.

If The above ink tank may be an ink tank that ran out of genuine Canon ink or a counterfeit Canon ink tank. appears on the touch screen, follow the steps below.

- **1.** Move through the screens, performing the actions described in the messages that appear on the touch screen.
- **2.** If an instruction to disable detection of remaining ink appears on the touch screen, hold down the **Stop** button for at least 5 seconds and then release it.

Ink level detection is now released.

List of Support Code for Error

Support codes appear on the PC when an error occurs.

Support codes are error identification numbers that appear alongside error messages.

If an error occurs, check the support code and follow the recommended steps to resolve the issue.

Support code displayed

• 1000 to 1ZZZ

<u>1005 100A 1012 1021 1024 1041</u>

- <u>1051</u> <u>1052</u> <u>1054</u> <u>1058</u> <u>1061</u> <u>1200</u>
- <u>1201 1210 1213 1214 1300 1306</u>
- <u>1317</u> <u>1322</u> <u>1323</u> <u>1324</u> <u>1401</u> <u>1403</u>
- <u>1408 1409 140A 140B 140C 140F</u>
- <u>1468 1477 1478 1480 1481 1485</u>
- <u>1492 1494 1495 1500 1551 1552</u>
- <u>1570 1571 1660 168B 1720 1721</u>
- <u>1722 1730 1731 1752 1753 1756</u>

<u>1757</u>

• 2000 to 2ZZZ

<u>2130</u> <u>2131</u> <u>2132</u>

• 3000 to 3ZZZ

30013200320132503300330133023303330433063311331233133314331533163317333133323333333733413342341434153416341734183419342034213422342334243448

• 4000 to 4ZZZ

<u>4111</u> <u>4117</u> <u>4801</u> <u>4803</u> <u>4905</u> <u>4920</u>

```
      4931
      4932
      4933
      4934
      4935
      4937

      4950
      4951
      4952
      4953
      4954
      4955

      4956
      4957
```

• 5000 to 5ZZZ

<u>5106</u> <u>5200</u> <u>5B16</u> <u>5B20</u> <u>5B21</u> <u>5C00</u>

• 6000 to 6ZZZ

 6502
 6700
 6702
 6820
 6900
 6901

 6902
 6910
 6911
 6920
 6921
 6930

 6931
 6932
 6933
 6940
 6941
 6942

 6943
 6944
 6945
 6946

• 7000 to 7ZZZ

<u>7050</u> <u>7051</u> <u>7052</u>

• 8000 to 8ZZZ

<u>8200</u>

• 9000 to 9ZZZ

<u>9000</u> <u>9110</u>

A000 to ZZZZ

<u>B20A</u> <u>B510</u>

Cause

You have attempted to print on a sheet, but no sheet is loaded.

What to Do

Check the media size and type for the print job on the touch screen, and then tap OK.

Continuing to print

Tap Load paper, and then load the paper.

- Loading and Printing on Sheets
- Stopping printing

To stop printing, tap Cancel on the touch screen or press the Stop button.

100A

Cause

You have attempted to print on a roll, but no roll is loaded.

What to Do

Tap Load paper on the touch screen, and then load the paper roll and print.

- Loading Rolls on the Roll Holder
- Loading Rolls in the Printer

Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

Cause

You have attempted to print on a sheet, but no sheet is loaded.

What to Do

Tap Load paper on the touch screen, and then load cut paper and print.

Loading and Printing on Sheets

>>>> Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

Cause

The printer has received a print job longer than the amount of roll paper left.

What to Do

Continuing to print

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, the roll paper may run out during the print job and you may not be able to print all of the document.

Replacing paper

Tap Replace the paper and print and print on the touch screen.

Change the **Paper Source** in the printer driver, or replace the paper with paper of the right length for the print job, and then try again.

- Removing the Roll from the Printer
- Loading Rolls in the Printer

Stopping printing

To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

Cause

Possible causes include the following.

- Roll paper is empty.
- There is remaining roll paper, but because it could not be advanced, it could not be detected.

What to Do

The roll paper has run out

Follow the steps below to replace the used roll with a new roll of the same type and size.

- 1. Tip back the release lever and remove the roll paper.
 - Removing the Roll from the Printer
 - Removing Rolls From the Roll Holder
- 2. Load the new roll.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer
- 3. If no barcode was printed on the roll, specify the paper type.

Changing the Type of Paper

4. If **Manage remaining roll amount** is set to **Barcodes** in the touch screen menu and there is no barcode printed on the paper roll, set the paper length.

Specifying the Paper Length

5. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

· Feed stopped because the end of the paper roll is attached to the core with tape

Remove the used roll paper and insert a new roll paper.

- Removing the Roll from the Printer
- Removing Rolls From the Roll Holder
- Loading and Printing on Rolls
- · Feed stopped because the remaining paper roll is too heavy

It may be helpful to change the printing mode, which will change the paper feed timing.

If using Windows, select a higher **Print Quality** setting under **Advanced Settings** in the printer driver.

If using macOS, select **Quality & Media** in the printer driver, and then select a higher **Print Quality** setting.

Setting the Print Quality Level (Custom) (Windows)

Setting the Print Quality Level (Custom) (macOS)

>>>> Note

• To stop printing, press the **Stop** button.

Cause

You have selected wrong paper source for Replace paper.

What to Do

Match the paper source for loading paper with the paper source setting for **Replace paper**.

For the roll paper, select **Roll paper** and load it.

For the cut sheet, select Cut sheet and load it.

Cause

The media type specified in the printer driver is not the same as the media type loaded in the printer.

What to Do

You can continue to print, but note that this error may cause problems in the printing results.

Cause

The width of the roll paper set in **Fit Roll Paper Width** in the printer driver is not the same as the width of the roll paper loaded in the printer.

What to Do

You can continue to print, but note that this error may cause problems in the printing results.

Cause

The paper in the printer is smaller than the paper size set in the printer driver.

What to Do

You can continue to print, but note that this error may cause problems in the printing results.

Cause

Roll paper has almost run out.

What to Do

Printing will continue. Replace the roll paper in the printer with one that has enough paper for printing as soon as possible.

- Removing the Roll from the Printer
- Loading Rolls in the Printer



• To stop printing, press the **Stop** button.

Cause

The media type specified in the printer driver is not the same as the media type loaded in the printer.

What to Do

Tap **OK** on the touch screen.

Make sure that the media type that appears on the touch screen is the same as the media type that has been loaded, and then tap **OK**.

Printing again

Follow the steps below to match the media type in the printer driver and the media type specified for the printer.

- 1. Tap **Cancel** to stop printing.
- 2. Change the media type in the printer driver settings to the media type loaded in the printer, and then try again.

Replacing paper

Follow the steps below to match the media type in the printer driver and the media type specified for the printer.

1. Tap Replace the paper and print.

2. Load the paper with the media type specified in the printer driver.

Loading and Printing on Rolls

Loading and Printing on Sheets

Continuing to print

To continue printing, tap **Print with the loaded paper.** on the touch screen.

However, note that this error may cause paper jams and affect the printing quality.

Cause

Top cover or print head lock lever is open.

What to Do

Open the top cover and make sure the print head lock lever is closed properly.

Make sure there are no foreign objects caught in the top cover, and then close the top cover.

If this error appears again, close the top cover, turn the power off, wait a moment, and then turn the power back on.

>>>> Note

• If installing a print head, close the top cover after finishing.

Cause

The ink tank cover is open.

What to Do

Close the ink tank cover.

Cause

The ink tank cover is open.

What to Do

Close the ink tank cover.

Cause

Release lever is released.

What to Do

Pull the release lever toward the front.

If the error occurs again, turn off the printer and wait a while before restoring power.

Cause

While the printer was printing or performing maintenance, the release lever was released.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

Detailed error codes

EC19-2F21

Cause

Paper jammed inside the printer while printing.

What to Do

Follow these steps below to remove jammed paper.

- 1. Tip back the release lever and remove the jammed paper.
 - Remove Jammed Roll Paper
 - Remove a Jammed Sheet
- 2. Load the paper.
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer
- 3. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

If the error appears again, the printer may be damaged. Contact a Canon customer service center.

Cause

A print job for rolls was received when a sheet is loaded.

What to Do

Follow these steps to load and print on a roll.

- 1. To remove the cut paper, tap **Remove paper** on the touch screen.
 - Removing Sheets
- 2. Load a new roll.
 - Loading Rolls in the Printer

>>>> Note

• To stop printing, tap **Cancel** on the touch screen or press the **Stop** button.

Cause

Paper loaded crooked was detected when the paper was advanced.

What to Do

Tip back the release lever and reload the paper.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

If this error appears again even after reloading the paper roll, remove the roll holder from the printer, insert the paper roll firmly into the roll holder until it is up against the flange, and then insert the roll holder into the printer.

Loading Rolls on the Roll Holder

Important

If this message continues to appear even after taking the steps above, or if you do not want this
message to appear, set Skew detection accuracy in the printer menu to OFF or Loose. However,
note that the paper will be printed skewed, which could cause paper jams and abnormal print results,
or dirty the platen and the reverse of the next printed sheet.

Cause

Cannot detect paper size because paper is not in the correct position or because curled paper has been loaded.

What to Do

Tip back the release lever and remove any paper. Then check the paper and reload it.

- Loading Rolls in the Printer
- Loading Sheets in the Printer

If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.



• If this error appears again even after reloading the paper roll, remove the roll holder from the printer, insert the paper roll firmly into the roll holder until it is up against the flange, and then insert the roll holder into the printer.

Loading Rolls on the Roll Holder

• This error might also appear if the platen has been dirtied by ink or another substance, or if the size of clear film could not be detected. In this case, open the top cover and clean the entire platen area.

Cleaning Inside the Top Cover

Cause

An unsuitable paper size has been loaded.

What to Do

Tip back the release lever, remove any paper, and then reload paper of suitable size.

- Paper Sizes
- Loading Rolls in the Printer
- Loading Sheets in the Printer

>>>> Note

• Load unused A4/letter size or larger paper if printing calibration and nozzle check patterns. Each calibration may take several sheets of paper.

Cause

A print job for printing on sheets was sent when a roll is loaded.

What to Do

Follow the steps below to print again.

- 1. Tap Remove paper on the touch screen to stop printing.
- 2. Remove the paper roll, load cut paper of the size and type specified in the printer driver, and then try again.
 - Removing the Roll from the Printer
 - Loading and Printing on Sheets

>>>> Note

• To stop printing, tap Cancel on the touch screen or press the Stop button.

Cause

Failed to recognize print head.

What to Do

Open the top cover and reattach the print head.

Cause

There is a problem with the print head.

What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

Replacing the Print Head

Cause

There is a problem with the print head.

What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

Replacing the Print Head

Cause

There is a problem with the print head.

What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

Replacing the Print Head

140A

Cause

There is a problem with the print head.

What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

Replacing the Print Head

140B

Cause

Failed to recognize print head.

What to Do

Open the top cover and reattach the print head.

140C

Cause

There is a problem with the print head.

What to Do

Turn off the power, wait a moment, and then turn it back on.

140F

Cause

There is a problem with the print head.

What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

Replacing the Print Head

Cause

Printer error has occurred.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.



EC55-2F24

Cause

There is a problem with the print head.

What to Do

Open the top cover and replace the print head with a new one.

Cause

There is a problem with the print head.

What to Do

Tap **OK** on the touch screen, and then replace the current print head with a new one.

Replacing the Print Head

Cause

The attached print head was previously used in a different model.

What to Do

Attach the correct print head.

Cause

The attached print head was previously used in a model that uses a different ink set.

What to Do

Attach the correct print head.

Cause

Cannot use attached print head.

What to Do

Attach the correct print head.

Cause

A printer error has occurred.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

Detailed error codes

EC02-2F42 EC21-2F44 EC3F-2F40 EC3F-2F41

Cause

There may be a problem with the print head.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, remove and reattach the print head.

Replacing the Print Head

If that does not get rid of the error, replace the print head with a new one.

Cause

The print head nozzle is blocked.

What to Do

Follow the steps below to clean the print head.

- 1. Tap **Cancel** on the touch screen to stop printing.
- 2. Clean the print head.
 - Cleaning the Print Head

If this message still appears when printing, replace the print head.

Replacing the Print Head

>>>> Important

• To continue printing, use the touch screen and tap **Continue printing**. However, the print results may not be satisfactory.

Cause

The ink in the ink tank is running low.

What to Do

Prepare a new ink tank.

Cause

A genuine Canon ink tank with a history of past use has been detected.

What to Do

To dismiss the message, tap $\ensuremath{\text{OK}}$ on the touch screen.

Cause

A genuine Canon ink tank has been inserted.

What to Do

To dismiss the message, tap **OK** on the touch screen.

Cause

The ink in the ink tank has run out.

What to Do

Open the ink tank cover, and then replace the ink tank before the ink in the sub-ink tank of this printer becomes insufficient.

Replacing Ink Tanks

>>>> Note

• You can replace the ink tank even while printing.

Cause

Ink tank removed during printing.

What to Do

If replacing the ink tank, insert a new ink tank.

Replacing Ink Tanks

Cause

Ink tank not inserted.

What to Do

Insert the ink tank correctly.

Replacing Ink Tanks

168B

Cause

The ink tank cannot be recognized.

Printing cannot be executed because the ink tank may not be compatible with this printer.

What to Do

Install the appropriate ink tank.

Cause

The maintenance cartridge is full. It needs to be replaced.

What to Do

Replace the maintenance cartridge.

Replacing the Maintenance Cartridge

Cause

The maintenance cartridge is not installed.

What to Do

Install the maintenance cartridge.

Replacing the Maintenance Cartridge

Cause

Incorrect type of maintenance cartridge.

What to Do

Insert the correct maintenance cartridge.

Replacing the Maintenance Cartridge

If this error continues to appear, contact a Canon customer service center.

Cause

The ink tank may be an ink tank that ran out of genuine Canon ink or a counterfeit Canon ink tank.

What to Do

To print, you must replace the ink tank or disable the function for detecting the remaining ink level.

To disable the function for detecting the remaining ink level, press and hold the printer's **Stop** button for at least 5 seconds, and then release it.

By this operation, the fact that you have disabled the function for detecting the remaining ink level will be memorized. Please be advised that Canon shall not be liable for any malfunction or trouble caused by continuation of printing under the ink out condition or by using refilled ink tanks.

>>>> Note

• If the function for detecting the remaining ink level is disabled, the ink tank in gray is displayed on the touch screen when checking the current ink level.

To report the counterfeit ink tank, access Canon website from the following link.

Report Counterfeit

Cause

Non-genuine Canon ink tank has been detected.

What to Do

To print, you must replace the ink tank or disable the function for detecting the remaining ink level.

To disable the function for detecting the remaining ink level, press and hold the printer's **Stop** button for at least 5 seconds, and then release it.

By this operation, the fact that you have disabled the function for detecting the remaining ink level will be memorized. Please be advised that Canon shall not be liable for any malfunction or trouble caused by using a non-genuine Canon ink tank.

>>>> Note

• If the function for detecting the remaining ink level is disabled, the ink tank in gray is displayed on the touch screen when checking the current ink level.

To report the counterfeit ink tank, access Canon website from the following link.

Report Counterfeit

Cause

The ink has run out.

What to Do

Open the ink tank cover, and then replace the ink tank.

Replacing Ink Tanks

Cause

The remaining level of the ink cannot be correctly detected.

What to Do

Replace the ink tank. Printing will restart.

Replacing Ink Tanks

An ink tank that was once empty is installed.

If you want to continue printing, you need to disable the function for detecting the remaining ink level.

To disable this function, press and hold the printer's **Stop** button for at least 5 seconds, and then release it.

With this operation, disabling the function for detecting the remaining ink level is memorized.

Please be advised that Canon shall not be liable for any malfunction or trouble caused by continuation of printing under the ink out condition or by using refilled ink tanks.

Cause

The ink may become insufficient.

What to Do

To perform the next process or to continue the specified process, replace the ink tank.

Replacing Ink Tanks

Cause

Cannot fill ink reserve tank.

What to Do

Check the touch screen, remove the ink tank for the affected color, and then reinsert it.

If the inserted ink tank is empty, replace it with a new ink tank.

Replacing Ink Tanks

Cause

The roll paper width set in the print job is not the same as the width of the roll paper in the printer.

What to Do

Tap **OK** on the touch screen to go to the next screen.

Check the media type and size that appear and tap **OK**.

Printing without changes

Tap Print with the loaded paper..

However, note that this error may cause paper jams and affect the printing quality.

Stopping printing

Tap **Cancel** on the touch screen or press the **Stop** button.

Replacing the roll paper

Follow the steps below to replace the paper with roll paper of the width set in the printer driver.

1. Tap Replace the paper and print, then remove the roll paper.

Removing the Roll from the Printer

Removing Rolls From the Roll Holder

- 2. Replace the paper with paper of the width set in the printer driver.
 - Loading Rolls on the Roll Holder
 - Loading Rolls in the Printer

Printing begins.

>>>> Note

- To change print settings in Windows, select **Fit Roll Paper Width** in the printer driver and set the roll paper width in the dialog box that appears.
- To change print settings in macOS, open the printer driver and select **Fit Roll Paper Width**, and then set the roll paper width in that panel to the width of the paper loaded in the printer.
- To suppress this message, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**. However, note that this error may affect the printing quality.

Menu Structure

Cause

The roll paper loaded in the printer is narrower than the roll paper width in the print job.

What to Do

Tap **OK** on the touch screen to go to the next screen.

Check the media type and size that appear and tap **OK**.

Printing without changes

Tap Print with the loaded paper..

However, note that this error may cause paper jams and affect the printing quality.

Stopping printing

Tap **Cancel** on the touch screen or press the **Stop** button.

Replacing the roll paper

Follow the steps below to replace the paper with roll paper of the width specified in the print job paper size settings.

- 1. Tap Replace the paper and print, then remove the roll paper.
 - Removing the Roll from the Printer
 - Removing Rolls From the Roll Holder
- 2. Replace the paper with paper of the width set in the printer driver.

Loading Rolls on the Roll Holder

Loading Rolls in the Printer

Printing begins.

>>>> Note

- To change print settings in Windows, select **Fit Roll Paper Width** in the printer driver and set the roll paper width in the dialog box that appears.
- To change print settings in macOS, open the printer driver and select **Fit Roll Paper Width**, and then set the roll paper width in that panel to the width of the paper loaded in the printer.
- To suppress this message, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**. However, note that this error may affect the printing quality.

Menu Structure

Cause

Cannot print internal printer data, such as test prints, for the following reasons.

- The paper roll loaded in the printer is too small.
- The cut paper loaded in the printer is the wrong size or type.

What to Do

• Roll

Tap **Replace the paper and print** on the touch screen, or tip back the release lever and replace the paper with paper of the correct size.

Loading Rolls in the Printer

To stop printing, tap **Cancel** or press the **Stop** button.

Sheet

Tip back the release lever, remove any paper, and then load paper of the same size and type as the first page.

Loading Sheets in the Printer

To stop printing, press the **Stop** button.

Cause

The print head nozzle is becoming blocked.

What to Do

Check the printed materials.

If the printed materials are scratched, clean the print head.

Cleaning the Print Head

Cause

It is almost time to replace consumables for which service is required.

What to Do

This can used for a little while, until the message "Part replacement needed." appears.

Contact your Canon dealer for assistance.

Cause

It is past the recommended time to replace consumables for which service is required.

What to Do

Contact your Canon dealer for assistance.

Cause

The maintenance cartridge is almost full.

What to Do

Prepare a new maintenance cartridge because an error may occur if you continue to use the printer while the maintenance cartridge is full.

Replacing the Maintenance Cartridge

Cause

Printer memory is full in HP-GL/2 emulation mode.

What to Do

Check the print data.

Printing will continue, but you may not obtain correct printing results.

Cause

Parameter specified in HP-GL/2 command is not supported.

What to Do

Check the print data.

Printing will continue, but you may not obtain correct printing results.

Cause

Unsupported HP-GL/2 command was used.

What to Do

Check the print data.

Printing will continue, but you may not obtain correct printing results.

Cause

Printer memory is full in HP-GL/2 emulation mode.

What to Do

Check the print data.

Printing will continue, but you may not obtain correct printing results.

Cause

Printer memory is full in HP-GL/2 emulation mode.

What to Do

Check the print data.

Printing will continue, but you may not obtain correct printing results.

Cause

Media information cannot be recognized because the printer media information is corrupt.

What to Do

Start the Media Configuration Tool, and then recover the media information.

Media Configuration Tool Guide

To set the Media Configuration Tool to recovery mode, open the Media Configuration Tool, select this device and then click **OK**.

Select and load the media information backup file.

If you do not have a media information backup file, contact a Canon customer service center.

Cause

Incorrect print data.

Illegal number of parameters.

What to Do

Defective print data, please check the print results.

Cause

Incorrect print data.

Required items have been omitted.

What to Do

Defective print data, please check the print results.

Cause

Incorrect print data.

Data out of range.

What to Do

Defective print data, please check the print results.

Cause

Incorrect print data.

Resolution value out of range.

What to Do

Defective print data, please check the print results.

Cause

Incorrect print data.

Compression method value out of range.

What to Do

Defective print data, please check the print results.

Cause

Incorrect print data.

Incorrect data formatting (color sequence, bit count).

What to Do

Defective print data, please check the print results.

Cause

Incorrect print data.

Illegal combination of resolution and image data format.

What to Do

Defective print data, please check the print results.

Cause

Print results may be abnormal as there is a large volume of print data.

What to Do

Check the print job.

Cause

Unsupported JPEG data format.

What to Do

Check the JPEG data.

Printable file formats are as follows.

• Files which conforms to JFIF 1.02

- Processing method: Basic DCT
- · Color mode: RGB/GrayScale
- Number of colors: 24bit/8bit
- Number of pixels: 38400 or less vertically and horizontally
- * Does not support some samplings.

Cause

Unsupported JPEG data format.

What to Do

Check the JPEG data.

Printable file formats are as follows.

• Files which conforms to JFIF 1.02

- Processing method: Basic DCT
- · Color mode: RGB/GrayScale
- Number of colors: 24bit/8bit
- Number of pixels: 38400 or less vertically and horizontally
- * Does not support some samplings.

Cause

Printer is running out of memory during JPEG image processing.

What to Do

Print the image without rotating it.

To change image rotation when printing:

(Setup) > Device settings > Print settings > JPEG

print settings > Paper settings > Rotate.

>>>> Note

• You may be able to print the file by increasing JPEG file compression.

Cause

Print data contains illegal image processing table.

What to Do

Check the print job image processing table.

Cause

Incorrect resolution value.

What to Do

Check the print settings.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the address and port numbers of the sending mail server (SMTP server) are correct in the Remote UI mail server settings.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the address and port numbers of the receiving mail server (POP3 server) are correct in the Remote UI mail server settings.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the mail server and device secure connection (SSL) settings match.

Check the secure connection (SSL) settings in Remote UI.

Setting Mail Server

Contact the mail server administrator to configure a secure connection (SSL) to the mail server.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the mail server and device secure connection (SSL) settings match.

Check the secure connection (SSL) settings in Remote UI.

Setting Mail Server

Contact the mail server administrator to configure a secure connection (SSL) to the mail server.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the sending mail server (SMTP server) is correctly configured in the Remote UI mail server settings.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the sending account and password are correctly configured in the Remote UI mail server settings.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the receiving mail server (POP3 server) is correctly configured in the Remote UI mail server settings.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the receiving account and password are correctly configured in the Remote UI mail server settings.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check that the settings on the mail server and the APOP settings on this device match.

Check this device's APOP settings in Remote UI.

Setting Mail Server

Contact the mail server administrator for configuring APOP on the mail server.

Cause

Communication with mail server failed.

What to Do

Tap **OK** on the touch screen to dismiss the error.

Check if the Remote UI mail server settings are correct.

Setting Mail Server

If this does not resolve the error, check the status of the mail server.

Contact the mail server administrator to check the server settings and status.

Cause

Sending mail failed.

What to Do

Tap $\boldsymbol{\mathsf{OK}}$ on the touch screen to dismiss the error.

Specify the correct destination mail address and try again.

Cause

IP address is conflicting.

What to Do

Tap $\boldsymbol{\mathsf{OK}}$ on the touch screen to dismiss the error.

Check the network configuration and change the network configuration to prevent a conflict with other network devices.

For details on changing the network configuration, refer to the documentation for your network device.

Cause

The media type specified is incompatible with this device.

What to Do

Tap $\boldsymbol{\mathsf{OK}}$ on the touch screen to dismiss the error.

Check the media type settings, and then try again.

Cause

The print job received contains settings not compatible with borderless printing.

What to Do

Changing the print job settings

Follow these steps to change the settings of the print job to enable borderless printing.

- 1. Tap **Cancel** on the touch screen to stop printing.
- 2. Check that the paper source is set to Roll Paper in your application.
- 3. Check that banner printing is not set, and then try again.

See the media information list for media types compatible with borderless printing.

Paper Information List

Printing with a border

Tap Print with border on the touch screen.

Printing with a border is now enabled.

>>>> Note

• To force the printer to print, set **Detect paper setting mismatch** in the touch screen menu to **Do not detect**.

However, note that this error may affect the printing quality.

Cause

A printer error has occurred.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

Detailed error codes

EC01-2F90 EC01-2F95 EC04-2F31 EC05-2F92 EC06-2F9A EC06-2F9B EC06-2F9C EC0F-2F96 EC11-2F2A EC12-2F29 EC12-2F2B EC12-2F2C EC13-2F17 EC15-2E23 EC16-2021 EC16-2022 EC16-2027 EC16-202A EC16-2038 EC21-2F51 EC21-2F54 EC21-2F57 EC21-2F59 EC21-2F61 EC21-2F67 EC21-2F70 EC21-2F71 EC21-2F72 EC22-2F30 EC22-2F47 EC23-260E EC23-260F EC23-2F11 EC23-2F18 EC23-2F32 EC31-2F1C EC31-2F1D EC31-2F1E EC31-2F22 EC33-2F3D EC33-2F3E EC34-2602 EC34-2F3B EC51-2F14 EC51-2F15 EC51-2FDD EC51-2FDE EC51-2FDF EC51-3301 EC51-3302 EC51-3303 EC55-2F20 EC55-2F6C EC58-2F12

Cause

Printer error has occurred.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

Detailed error codes

EC51-203C

Cause

A printer error has occurred.

What to Do

Turn off the power, wait a moment, and then turn it back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and contact a Canon customer service center.

Detailed error codes

EC51-3304 EC51-3306 EC51-3307 EC51-3308 EC51-3309 EC51-330A

Cause

Cannot cut paper for one of the following reasons.

- Paper that has been cut remains on the output guide.
- There is a foreign object near the output slot that is obstructing the cutter blade.
- The paper is not being used under the recommended usage conditions.
- The paper in use cannot be used with Automatic cut.

What to Do

· Paper that has been cut remains on the output guide

Follow the steps below to resume printing.

- 1. Tip back the release lever and remove the paper.
 - Removing the Roll from the Printer
 - Removing Sheets
- 3. Load the paper.
 - Loading Rolls in the Printer
 - Loading Sheets in the Printer
- 3. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

Loading Rolls in the Printer

• A foreign object near the output slot is obstructing the cutter blade

Follow the steps below to resume printing.

- 1. Open the top cover and remove any foreign objects.
- 2. If "There is a job whose printing is not complete. Do you want to print this job?" appears on the touch screen, tap Yes.

Printing will resume, starting from the page on which the error occurred.

· Paper not being used under the recommended usage conditions

Every paper type has different recommended conditions of use. Use all paper under its recommended usage conditions.

See the media information list for recommended usage conditions.

Paper Information List

The paper in use cannot be used with Automatic cut

Set the roll paper cutting method to **User cut** and cut the roll paper with a cutting implement such as scissors.

Specifying the Cutting Method for Rolls

See the media information list for paper types that can be used with **Automatic cut**.

Paper Information List

If this does not apply, there may be a cutter blade malfunction.

Contact your Canon dealer for assistance.

Cause

Paper feed adjustment may have failed for the following reasons.

- The paper for printing a test pattern is soiled. Otherwise, you have loaded colored paper.
- The printer may be exposed to strong light, such as direct sunlight, which can cause the sensors to malfunction.
- The test pattern was printed too faintly.

What to Do

Tap **OK** on the touch screen to dismiss the error, and then take the following actions.

- Load unused paper.
- Make adjustments to ensure that the printer is not exposed to strong light.
- Print a nozzle check pattern to check the print head status.

If the pattern has gaps or horizontal white lines, the print head nozzle is blocked. Clean the print head.

Checking for Nozzle Clogging

Cause

The print head cannot be calibrated because the printer is loaded with very transparent film-type paper.

What to Do

Tap **OK** on the touch screen to dismiss the error.

We recommend calibrating the print head with a frequently used, non-film paper.

Automatic Adjustment to Straighten Lines and Colors

Cause

The print head nozzle may be blocked.

What to Do

Follow the steps below to repeat Print head alignment.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Print a test pattern to check the nozzles.

<u>Checking for Nozzle Clogging</u>

- 3. If the nozzle is blocked, clean the print head.
 - Cleaning the Print Head
- 4. Repeat Print head alignment.
 - Mutomatic Adjustment to Straighten Lines and Colors

Cause

The print head nozzle may be blocked.

What to Do

Follow the steps below to repeat **Print head alignment**.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Print a test pattern to check the nozzles.

Checking for Nozzle Clogging

- 3. If the nozzle is blocked, clean the print head.
 - Cleaning the Print Head
- 4. Repeat Print head alignment.
 - Mutomatic Adjustment to Straighten Lines and Colors

Cause

The print head nozzle may be blocked.

What to Do

Follow the steps below to repeat Print head alignment.

- 1. Tap **OK** on the touch screen to dismiss the error.
- 2. Print a test pattern to check the nozzles.

<u>Checking for Nozzle Clogging</u>

- 3. If the nozzle is blocked, clean the print head.
 - Cleaning the Print Head
- 4. Repeat Print head alignment.
 - Mutomatic Adjustment to Straighten Lines and Colors

Cause

Print head position adjustment failed.

What to Do

Tap **OK** on the touch screen to dismiss the error and retry **Print head alignment** following the steps below.

1. Print a test pattern to check the nozzles.

Checking for Nozzle Clogging

- 2. If the nozzle is blocked, clean the print head.
 - Cleaning the Print Head
- 3. Retry Print head alignment.
 - Matter Adjustment to Straighten Lines and Colors

If any print head nozzles are still blocked, replace the print head.

Replacing the Print Head

If the error appears again, the printer may be damaged. Contact a Canon customer service center.

Cause

WPS (Push button method) connection failed.

What to Do

Follow the instructions on the touch screen to try connecting to the wireless LAN router again.

Cause

AOSS (BUFFALO) connection failed.

What to Do

Follow the instructions on the touch screen to try connecting to the wireless LAN router again.

Cause

Failed to connect to the wireless LAN router.

What to Do

Follow the instructions on the touch screen to try connecting to the wireless LAN router again.

Cause

Failed to acquire IP address.

What to Do

Check the information that appears on the touch screen, and then try connecting again.

Cause

Failed to set up wireless LAN using Easy wireless connect.

What to Do

Tap **OK** on the touch screen to dismiss the error, and then configure the settings again.

Cause

IPv4/IPv6 settings were changed, but wired LAN and wireless LAN are disabled.

What to Do

Tap **OK** on the touch screen to dismiss the error, and then enable wired LAN or wireless LAN.

Cause

Attempted to change LAN settings, but they cannot be changed for the following reasons.

- Printer is operating
- Printer currently being configured using Remote UI

What to Do

Tap **OK** on the touch screen to dismiss the error, exit other processes and then configure the settings again.

Cause

Raku Raku WLAN Start (NEC) connection failed.

What to Do

Tap **OK** on the touch screen to dismiss the error and try connecting again.

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC03-4061

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

EC21-2F7E

5B16

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC22-4001

5B20

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

Detailed error codes

EC41-4001 EC47-4001

5B21

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC48-4001

5C00

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC31-4001

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

EC56-2FE0

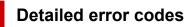
Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC57-404F

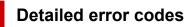
Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC57-4040

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

Detailed error codes

EC07-4060 EC51-4041 EC51-4042 EC51-4045 EC51-4046 EC51-4047 EC51-404C EC51-404D EC51-404E EC51-4070 EC51-4071 EC51-4072

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Turn off the power and unplug the power cord.

Wait a moment and turn the power back on.

If the error appears again, make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then contact a Canon customer service center.

Detailed error codes

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

Detailed error codes

EC24-4049 EC24-404A EC24-404B

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC51-2F07

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.

Detailed error codes

EC52-4038 EC52-4039

B20A

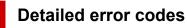
Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC03-403A

B510

Cause

A printer error has occurred.

What to Do

Make a note of the detailed error code (ECxx-xxxx) that appears on the touch screen, and then turn off the power and unplug the power cord.

Contact your Canon dealer for assistance.



EC32-4001