Canon

MX390 series

Online Manual

Read Me First
Useful Functions Available on the Machine
Overview of the Machine

English

Read Me First

Notes on Online Manual Usage

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- In principle, the descriptions in this guide are based on the product at the time of its initial sale.

- This guide does not disclose the manuals of all the products sold by Canon.
  See the manual supplied with the product when using a product that is not described in this guide.

Operating Environment

The following environment is recommended for the use of this guide.

- **Recommended Operating System**

  Windows 8, Windows 7, Windows 7 SP1, Windows Vista SP1, Windows Vista SP2, Windows XP SP3 (32-bit only)

- **Recommended Web Browser**

  Internet Explorer 8 or later
  (Allow cookies and enable JavaScript in browser settings.)

How to Print

Use the print function of your Web browser to print this guide.

To print background colors and images, follow the steps below to display the **Page Setup** dialog box, then select the **Print Background Colors and Images** checkbox.

- **In Internet Explorer 9 or 10**

  Select ⚙ (Tools) > **Print** > **Page setup...**.

- **In Internet Explorer 8**

  1. Press the Alt key to display the menus.
  2. Select **Page Setup...** from the **File** menu.

Symbols Used in This Document

⚠ Warning

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

⚠ Caution

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

⟫ Important

Instructions including important information. To avoid damage and injury or improper use of the product, be sure to read these indications.

⟫ Note

Instructions including notes for operation and additional explanations.

🔖 Basic

Instructions explaining basic operations of your product.

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Note

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

Search Tips

You can search for target pages by entering keywords in the search window.
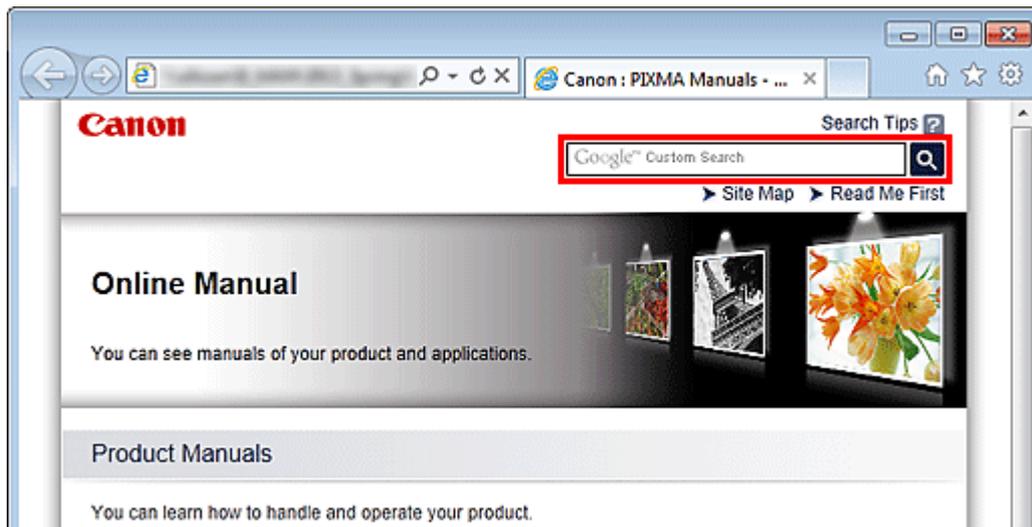
> **Important**
>
> - When performing a search by entering the product's model name, enter only the first two digits of the number in the model name.
>   Example: When searching for MX45n (where "n" is a number)
>   Enter "MX45"
> - When using the PRO series, enter the entire model name.
>   Example: When using the PRO-1 series
>   Enter "PRO-1"
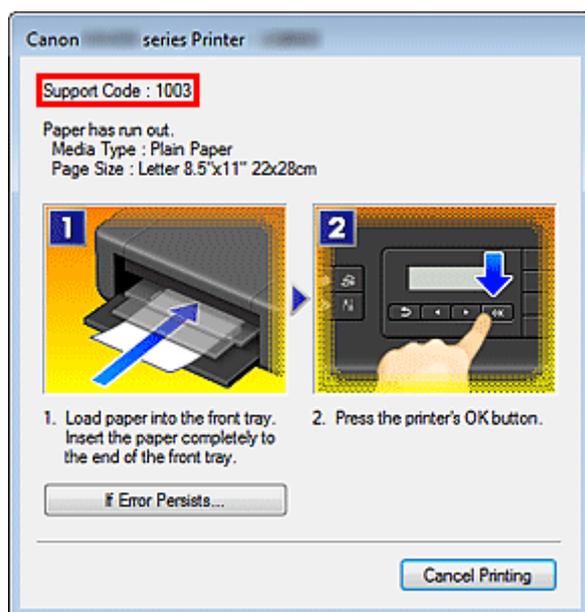
- **Searching for Functions**

  You can find target pages easily by entering your product's model name and a keyword for the function you want to learn about.
  Example: When your product is MX450 series and you want to learn how to load paper
  Enter "MX45 load paper" in the search window and perform a search

- **Troubleshooting Errors**

  You can obtain more accurate search results by entering your product's model name and a support code.
  Example: When your product is MX450 series the following error screen appears
  Enter "MX45 1003" in the search window and perform a search

- **Searching for Application Functions**

  You can find target pages easily by entering your application's name and a keyword for the function you want to learn about.

Example: When you want to learn how to print collages with My Image Garden
Enter "My Image Garden collage" in the search window and perform a search

- **Searching for Reference Pages**

  You can search for reference pages described in this guide by entering your product's model name and a page title.
  You can find reference pages more easily by entering the function name as well.
  Example: When you want to browse the page referred to by the following sentence on a scanning procedure page in the *Online Manual* for MX450 series
  Refer to "Color Settings Tab" for your model from Home of the *Online Manual* for details.
  Enter "MX45 scan Color Settings Tab" in the search window and perform a search

Window Used in Operation Explanation

In this guide, most of the operations are described based on the windows displayed when Windows 7 operating system Home Premium (called Windows 7 below) is used.

Overview of the Machine

Maintenance

Changing the Machine Settings

Changing Machine Settings from Your Computer

Changing the Machine Settings on the LCD

Useful Functions Available on the Machine

The following useful functions are available on the machine.

Enjoy even more pleasant photography experience by utilizing various functions.

- Print Photos Easily
- Download Content Materials
- Upload Scanned Images to the Web

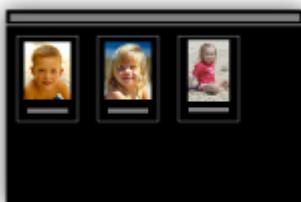## Print Photos Easily Using an Application

- **Organize Images Easily**

  In My Image Garden, you can register the names of people and events to photos.
  You can organize photos easily as you can display them not only by folder but also by calendar, event, and person. This also allows you to find the target photos easily when you search for them later on.

  <Calendar View>   <People View>

- **Display Recommended Items in Slide Shows**

  Based on the information registered to photos, Quick Menu automatically selects the photos on your computer and creates recommended items such as collages and cards. The created items appear in slide shows.

  If there is an item you like, you can easily print it in just two steps.
  STEP1 In Image Display of Quick Menu, select the item you want to print.
  STEP2 Print the item with My Image Garden.

- **Place Photos Automatically**

  Delightful items are created easily as the selected photos are placed automatically according to the theme.

- **Other Various Functions**

  My Image Garden has many other useful functions.
  Refer to "What You Can Do with My Image Garden" for details.

Download a Variety of Content Materials

- **CREATIVE PARK**

  A "printing materials site" where you can download all the printing materials for free.
  Various types of content such as seasonal cards and paper crafts that can be made by assembling paper parts are provided.
  It is easily accessible from Quick Menu.

- **CREATIVE PARK PREMIUM**

  A service where customers using models that support PREMIUM Contents can download exclusive printing materials.
  PREMIUM Contents can be downloaded easily via My Image Garden. Downloaded PREMIUM Contents can be printed directly with My Image Garden.
  To print downloaded PREMIUM Contents, make sure that genuine Canon ink tanks/ink cartridges are installed for all colors on a supported printer.
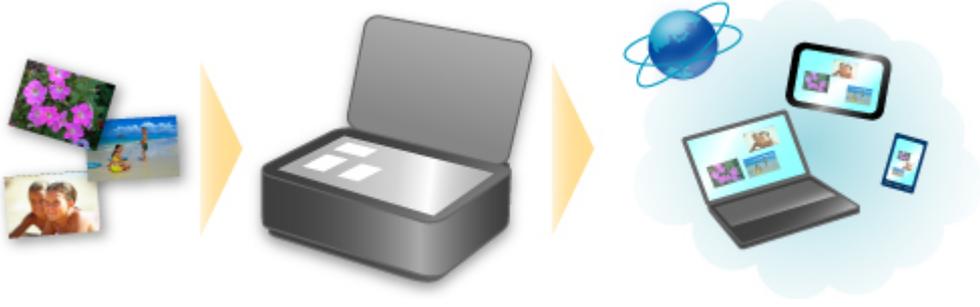

Note

- The designs of PREMIUM Contents provided in this page are subject to change without prior notice.

Upload Scanned Images Easily to the Web

If you use Evernote or Dropbox on your computer, you can easily upload scanned images to the web. Uploaded images can be utilized from other computers, smartphones, etc.

Refer to "Online Storage Integration Function" for details.

Online Storage Integration Function

The machine can integrate with online storage services such as Evernote.

Integration with Online Notetaking Service "Evernote"

If an Evernote client application is installed on your computer, you can import scanned images into the application and upload them to the Evernote server.

The uploaded images can be browsed from other computers, smartphones, etc.

To use Evernote, you need to create an account. See the "CREATE ACCOUNT" page of Evernote for account creation.

- **Settings**

  In the Settings dialog box of IJ Scan Utility, select the item you want to set, then select Evernote for **Send to an application** in **Application Settings**.
  Refer to "Settings Dialog Box" for details.

>>> **Important**
- The Evernote service features are subject to change or termination without prior notice.

Overview of the Machine

Main Components and Basic Operations

Main Components

- Front View
- Rear View
- Inside View
- Operation Panel

Front View
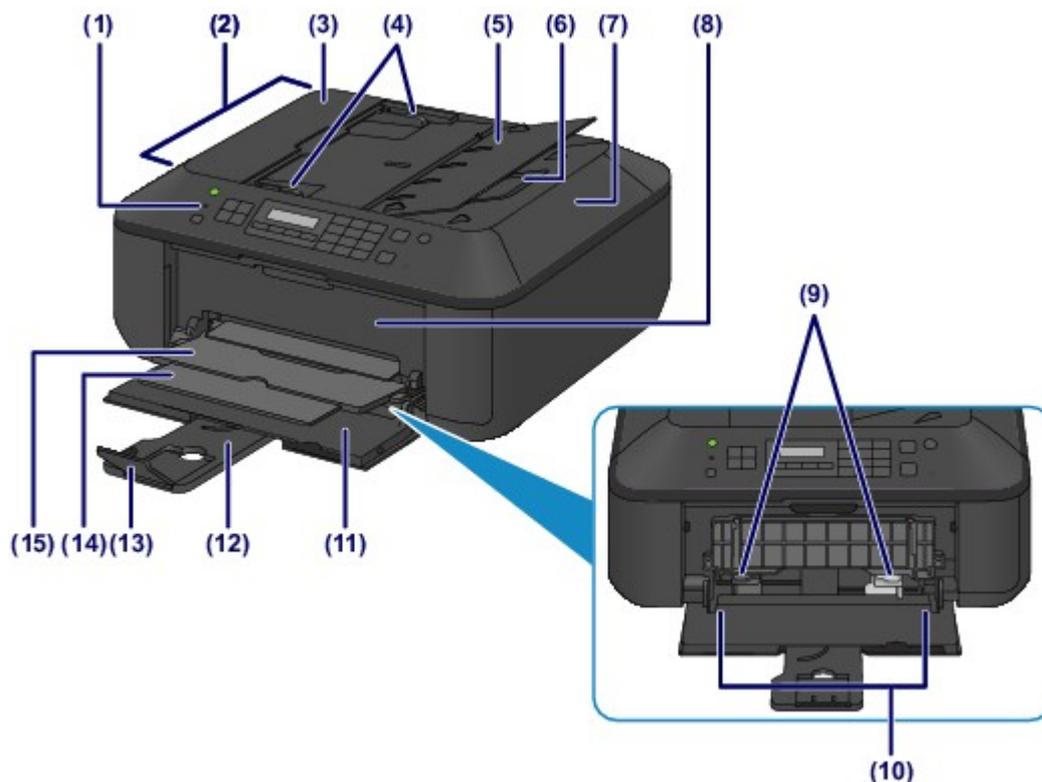
(1) operation panel
Use to change the settings of the machine or to operate it.

➡Operation Panel

(2) ADF (Auto Document Feeder)
Load a document to copy, scan, or fax. The documents loaded in the document tray are scanned automatically one sheet at a time.

➡Loading Documents in the ADF (Auto Document Feeder)

(3) document feeder cover
Open when clearing jammed documents.

(4) document guides
Adjust these guides to match the width of document in the ADF.

(5) document tray
Open to load a document in the ADF. You can load two or more sheets of document of the same size and thickness. Load the document with the side you want to scan facing up.

(6) document output slot
Documents scanned from the ADF are delivered here.

(7) document cover
Open to load an original on the platen glass.

(8) paper output cover
Open to replace the FINE cartridge or remove jammed paper inside the machine.

(9) paper guides
Slide to align with both sides of the paper stack.

(10) front tray
Load various sizes or types of paper which you can use on the machine. Two or more sheets of the same size and type of paper can be loaded at the same time, and fed automatically one sheet at a time.

➡Loading Plain Paper / Photo Paper

➡Loading Envelopes

(11) front cover
Open to load paper in the front tray.

(12) paper support

Extend to load paper in the front tray.

(13) output tray extension
Open to support ejected paper.

(14) paper output support
Extend to support ejected paper.

(15) paper output tray
Printed paper is ejected.

(16) platen glass
Load an original to copy, scan, or fax.

Rear View
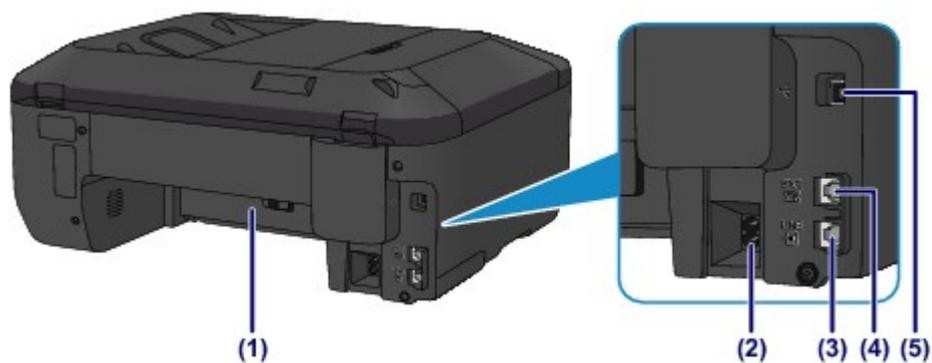
(1) transport unit
Open to remove jammed paper.

(2) power cord connector
Plug in the supplied power cord.

(3) telephone line jack
Connect the telephone line.

(4) external device jack
Connect an external device such as telephone or answering machine.

(5) USB port
Plug in the USB cable to connect the machine with a computer.

⯈⯈ Important

- Do not touch the metal casing.
- Do not plug in or unplug the USB cable while the machine is printing or scanning originals with the computer.

Inside View
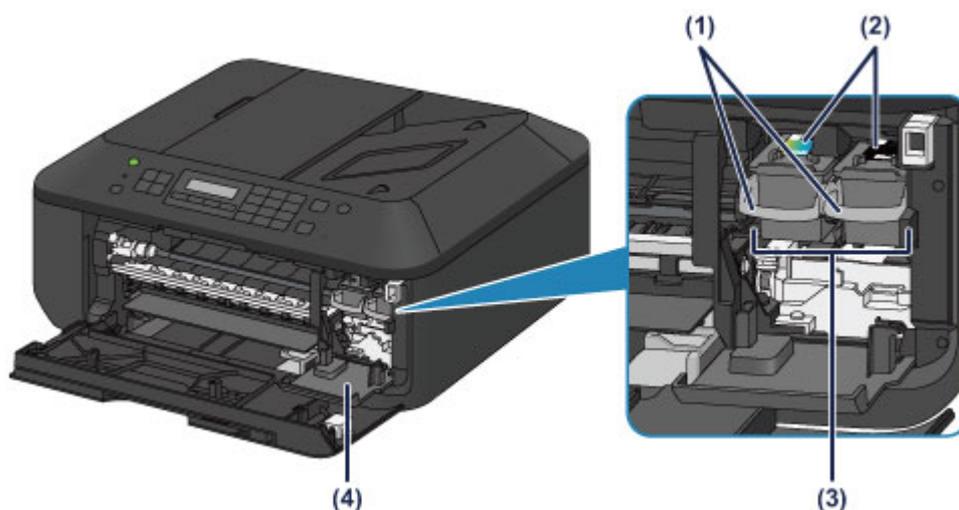
(1) ink cartridge lock lever

Locks the FINE cartridge into place.

(2) FINE cartridge (ink cartridges)

A replaceable cartridge that integrates print head and ink tank.

(3) FINE cartridge holder

Install the FINE cartridge.

The color FINE cartridge should be installed into the left slot and the black FINE cartridge should be installed into the right slot.

(4) head cover

Opens to enable replacement of the FINE cartridge. The head cover will open automatically when you open the paper output cover.

Note

- For details on replacing a FINE cartridge, see Replacing a FINE Cartridge.

Important

- The area around the parts **(A)** may be splattered with ink. This does not affect the performance of the machine.
- Do not touch the parts **(A)** or the electrical contacts **(B)** behind them. The machine may not print properly if you touch them.
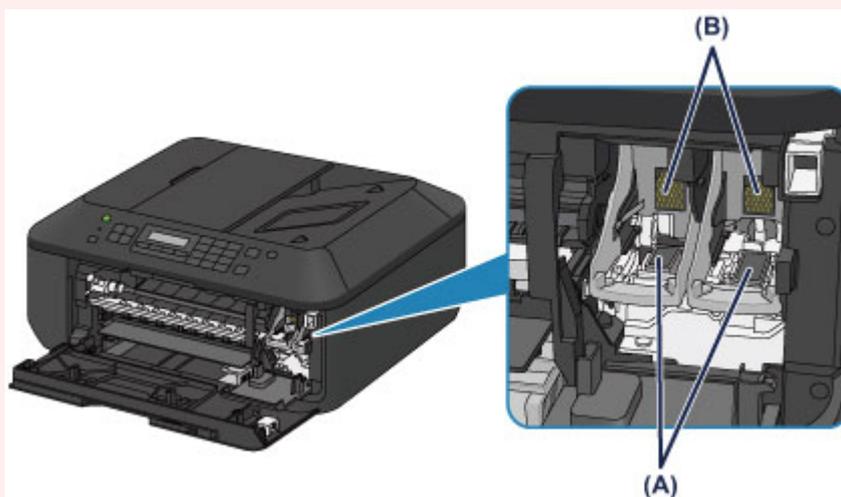
Operation Panel

* All lamps on the operation panel are shown lit in the illustration below for explanatory purposes.
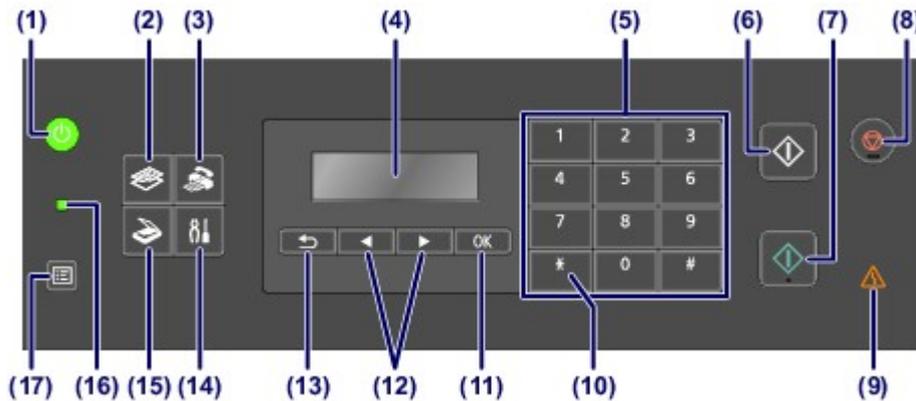
(1) ON button (POWER lamp)

Turns the power on or off. Lights or flashes green to indicate the power status. Before turning on the power, make sure that the document cover is closed.

➡Turning the Machine On and Off

(2) COPY button

Switches the machine to the copy mode. The Copy standby screen is displayed, which lets you make copies while specifying the number of copies.

(3) FAX button

Switches the machine to the fax mode. The Fax standby screen is displayed, which lets you send a fax by dialing a fax/telephone number directly with the Numeric buttons.

(4) LCD (Liquid Crystal Display)

Displays messages, menu items, and the operational status.

➡Confirming that the Power Is On

(5) Numeric buttons

Used to enter numerical values such as the number of copies, as well as fax/telephone numbers and characters.

(6) Black button

Starts black & white copying, scanning, faxing, etc.

(7) Color button

Starts color copying, scanning, faxing, etc.

(8) Stop button

Cancels operation when print, copy, scan, or fax transmission/reception job is in progress.

(9) Alarm lamp

Lights or flashes orange when an error occurs, such as paper-out or ink-out.

(10) Tone button

Switches to tone dialing temporarily if your machine is connected to a rotary pulse line and changes the input mode for entering characters. This button is also used to dial with the Numeric buttons.

(11) OK button

Finalizes the selection of a menu or setting item.

Resolves an error when printing is in progress, resumes the machine's normal operation after removing jammed paper, or ejects documents remaining in the ADF (Auto Document Feeder).

(12) ◄ and ► buttons

Used to increase/decrease a setting value such as the number of copies, and select a menu or setting item. The ◄ or ► button is also used when entering characters.

(13) Back button

Returns the LCD to the previous screen. This button is also used to delete a character under the cursor when entering characters, such as when entering a name for registration.

(14) Setup button

Displays the **Setup menu** screen. With this menu, you can perform machine maintenance and change machine settings.

➡When Printing Becomes Faint or Colors Are Incorrect

(15) SCAN button

Switches the machine to the scan mode. The Scan standby screen is displayed, which lets you start scanning by pressing the **Color** or **Black** button.

(16) FAX Memory lamp

Lights when there are received or unsent documents stored in the machine's memory.

(17) Menu button

Displays the **Copy menu**, **FAX menu**, or **Scan menu** screen.

Copy menu allows you to select various copy functions or change print settings, such as page size and media type.

FAX menu allows you to dial by selecting an entry from **Memory dial**, print a report/list, or change the receive mode.

Scan menu allows you to change the location for saving the scanned data or select the document type to be scanned.

> **Note**
>
> ■ The machine makes the beep sound when pressing buttons on the operation panel. The sound volume can be adjusted in **Sound control** of **Dev. user settings**.
> ➡Dev. user settings

About the Power Supply of the Machine

- Confirming that the Power Is On
- Turning the Machine On and Off
- Notice for the Power Plug/Power Cord
- Notice for Unplugging the Power Cord

Confirming that the Power Is On

The **POWER** lamp is lit green when the machine is turned on.
Even if the LCD is off, if the **POWER** lamp is lit, the machine is on.

Note

- It may take a while for the machine to start printing immediately after you turn on the machine.
- The LCD will turn off if the machine is not operated for about 5 minutes. To restore the display, press any button except the **ON** button or perform the print operation. The display will be also restored when receiving faxes. You cannot change the wait time before the LCD turns off.

Turning the Machine On and Off

Turning on the machine

1. Press the **ON** button to turn on the machine.

   The **POWER** lamp flashes and then remains lit green.
   ➡ Confirming that the Power Is On
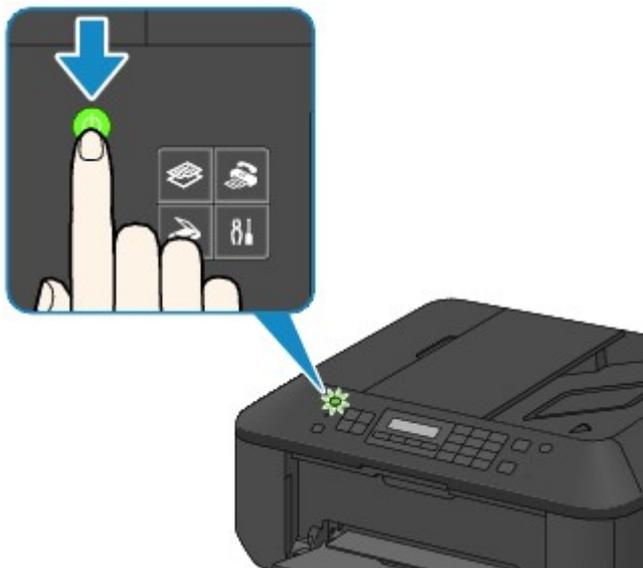
   >>> **Note**
   - It may take a while for the machine to start printing immediately after you turn on the machine.
   - If the **Alarm** lamp lights up or flashes orange and an error message is displayed on the LCD, see A Message Is Displayed.

Turning off the machine

1. Press the **ON** button to turn off the machine.

   When the **POWER** lamp stops flashing, the machine is turned off.
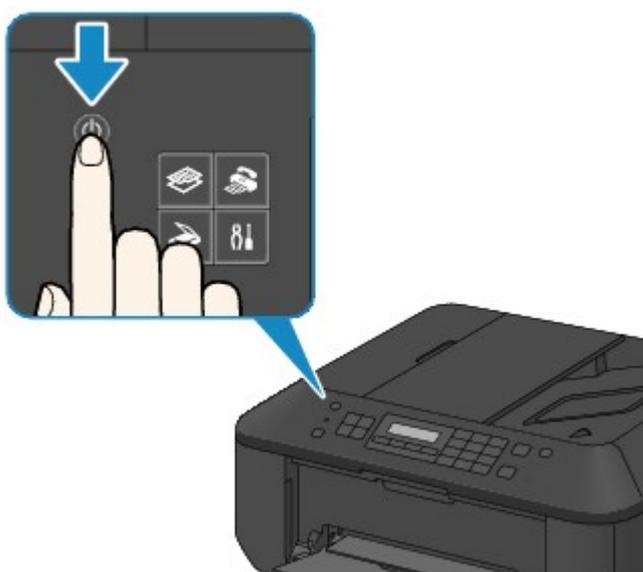
   >>> **Important**
   - When you unplug the power cord after turning off the machine, be sure to confirm that the **POWER** lamp is off.
     ➡ Notice for Unplugging the Power Cord

Note

- The machine cannot send or receive faxes when the power is turned off.
- The power cannot be turned off while the machine is sending or receiving a fax, or when unsent faxes are stored in the machine's memory.

Notice for the Power Plug/Power Cord

Check the power plug/power cord once a month to confirm that it does not have anything unusual described below.

- The power plug/power cord is hot.
- The power plug/power cord is rusty.
- The power plug/power cord is bent.
- The power plug/power cord is worn.
- The power plug/power cord is split.

⚠ Caution

- If you find anything unusual with the power plug/power cord described above, unplug the power cord and call for service. Using the machine with one of the unusual conditions above may cause a fire or an electric shock.
  ➡ Notice for Unplugging the Power Cord

Notice for Unplugging the Power Cord

To unplug the power cord, follow the procedure below.

> ⚠️ **Important**
>
> - When you unplug the power cord, press the **ON** button, then confirm that the **POWER** lamp is off. Unplugging the power cord before the **POWER** lamp is turned off may cause drying or clogging of the print head and print quality may be reduced.
> - If the power plug is disconnected, the date/time settings will be reset and all documents stored in the machine's memory will be lost. Send or print a necessary document before disconnecting the power plug.

1. Press the **ON** button to turn the machine off.
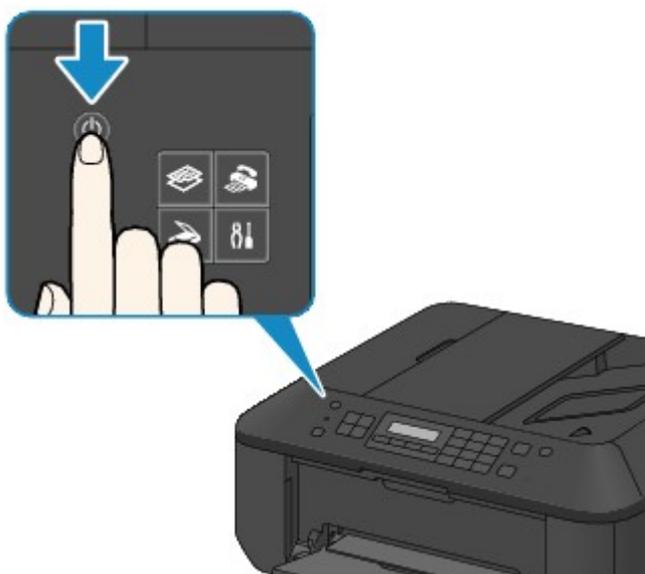
2. Confirm that the **POWER** lamp is off.
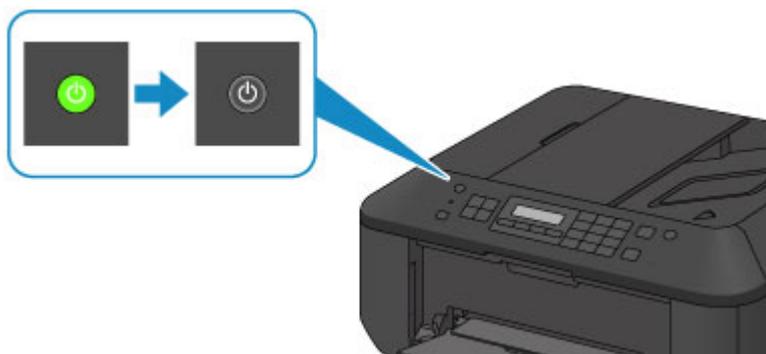
3. Unplug the power cord.
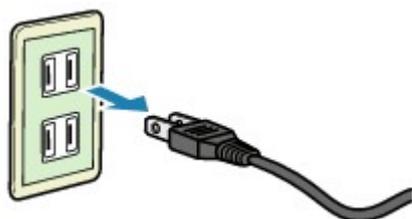
The specification of the power cord differs depending on the country or region of use.

LCD and Operation Panel

You can use the machine to make copies, send/receive faxes, or scan originals without a computer.
You can also make good use of the various functions of the machine with menus and setting items displayed on the LCD.

The copy, scan, fax, or setup mode can be selected.
The desired mode can be selected by pressing the mode button **(A)** on the operation panel.
Pressing the **Menu** button **(B)** in the copy, fax, or scan mode provides access to mode-specific functions and setting options.
➡ Selecting a Menu or Setting Item
On the menu screen or settings screen, use the ◄ or ► button **(C)** to select an item or option, then press the **OK** button **(D)** to proceed with the procedure.
To return to the previous screen, press the **Back** button **(E)**.
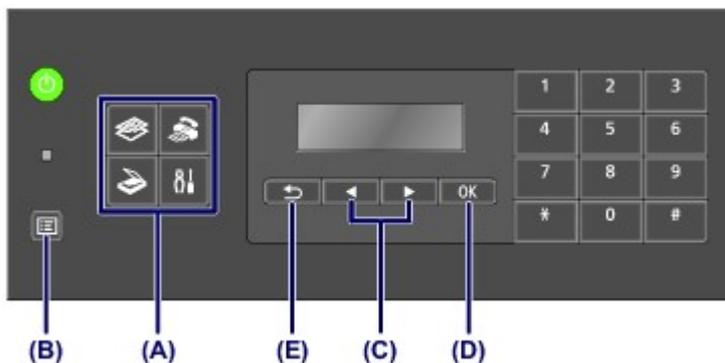
Selecting a Menu or Setting Item
Pressing the **Menu** button while the Copy, Fax, or Scan standby screen is displayed brings up their respective **Copy menu**, **FAX menu**, or **Scan menu**.

Example: Starting from the Copy standby screen
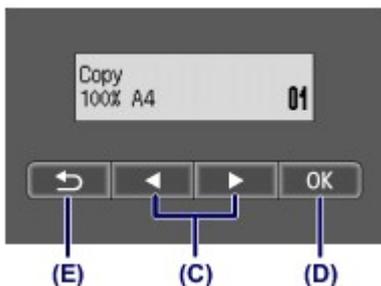
Press the **Menu** button in the Copy standby screen to display the **Copy menu** screen.
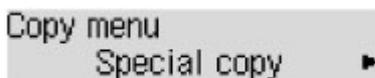
Press the ◄ or ► button **(C)** to switch between menu items.
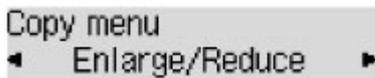
Press the **OK** button **(D)** to finalize the desired menu item.
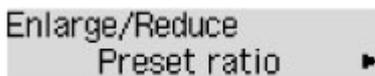
Press the **Back** button **(E)** to return to the previous screen.

Entering Numbers, Letters, and Symbols

The machine allows you to enter characters using the Numeric buttons when entering information, such as unit name, a recipient's name for memory dial, etc.

Switching the Input Mode

The machine has three input modes: lowercase mode, uppercase mode, and numeric mode. You can use the Numeric buttons to enter characters in each input mode.

Each time the **Tone** button is pressed, the input mode is switched in the following order: lowercase mode (**:a**), uppercase mode (**:A**), then numeric mode (**:1**).
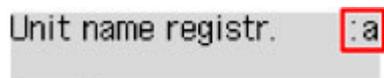
The current input mode appears at the upper right corner of the LCD.

> ## Note
>
> - Here describes the procedure to enter the unit name as example.
>   ➡ "Registering User Information" in Setting the Sender Information

Entering Numbers, Letters, and Symbols
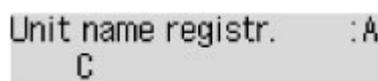
Press the **Tone** button to switch the input mode.
Use the Numeric buttons to enter the desired characters.

To enter a space, press the [#] button three times.
To delete the last entered character, press the **Back** button.

Editing Entered Numbers, Letters, and Symbols
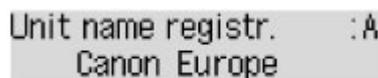
Press the ◀ or ▶ button to move the cursor under the position you want to edit.

- To insert a space

  Press the [#] button three times.
- To insert a character
  Move the cursor under the character to the right of the insertion position, then enter the character. The character on the cursor will move to the right and the new character will be inserted.
- To delete a character
  Move the cursor under the character, then press the **Back** button.

List of Characters Assigned to Each Numeric Button

Button	Lowercase mode (:a)	Uppercase mode (:A)	Numeric mode (:1)	Fax/Telephone no.
1			1	1
2	abcåäáàãâæç	ABCÅÄÁÀÃÂÆÇ	2	2
3	defëéèê	DEFËÉÈÊ	3	3
4	gh i ï í ì î	GH I Ï Í Ì Î	4	4
5	jkl	JKL	5	5
6	mnoñøöóòõô	MNOÑØÖÓÒÕÔ	6	6
7	pqrsþ	PQRSÞ	7	7

8	tuvüúù	TUVÜÚÙ	8	8
9	wxyzý	WXYZÝ	9	9
0			0	0
#	- . SP*1 ✱ # ! " , ; : ^ ` _ = / ' ? $ @ % & + ( ) [ ] { } < >			#
✱	Switch the input mode.			✱

*1 "SP" indicates a space.

Loading Paper / Originals

- Loading Paper
- Loading Originals

Loading Paper

Loading Plain Paper / Photo Paper

You can load plain paper or photo paper.

Important

- If you cut plain paper into small size such as 4" x 6" (10 x 15 cm) or 5" x 7" (13 x 18 cm) to perform trial print, it can cause paper jams.

Note

- We recommend Canon genuine photo paper for printing photos.
  For details on the Canon genuine paper, see Media Types You Can Use.
- You can use general copy paper.
  For the page size and paper weight you can use for this machine, see Media Types You Can Use.

1. **Prepare paper.**

   Align the edges of paper. If paper is curled, flatten it.
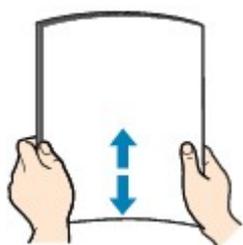
   ### Note

   - Align the edges of paper neatly before loading. Loading paper without aligning the edges may cause paper jams.
   - If paper is curled, hold the curled corners and gently bend them in the opposite direction until the paper becomes completely flat.
     For details on how to flatten curled paper, see "Load the paper after correcting its curl." in Paper Is Smudged/ Printed Surface Is Scratched.
   - When using Photo Paper Plus Semi-gloss SG-201, even if the sheet is curled, load one sheet at a time as it is. If you roll up this paper to flatten, this may cause cracks on the surface of the paper and reduce the print quality.

2. **Load paper.**

   (1) Open the front cover gently, and extend the paper support.
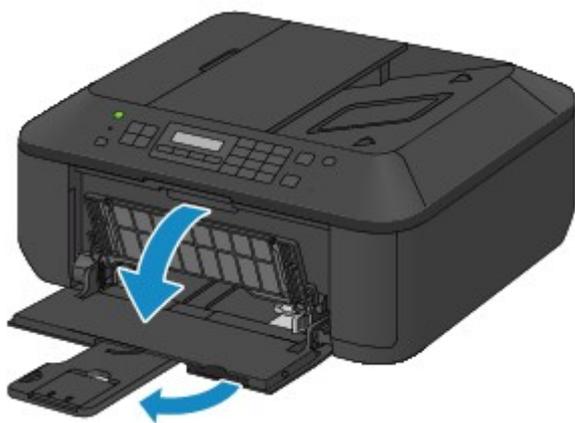
   (2) Use the right paper guide **(A)** to slide both paper guides all the way out.

   (3) Load the paper in the center of the front tray WITH THE PRINT SIDE FACING DOWN.
   Push the paper stack all the way to the back of the front tray.
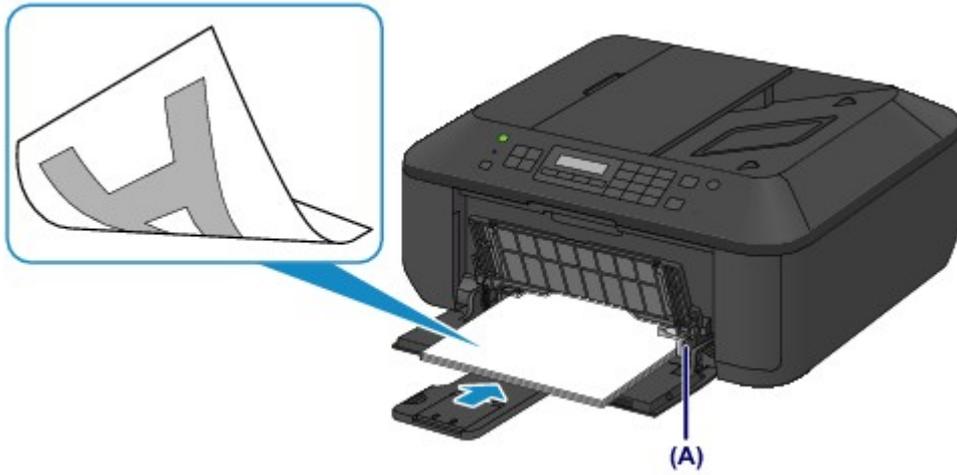
(4) Slide the right paper guide **(A)** to align the paper guides with both sides of the paper stack.

Do not slide the paper guides too hard against the paper. The paper may not be fed properly.
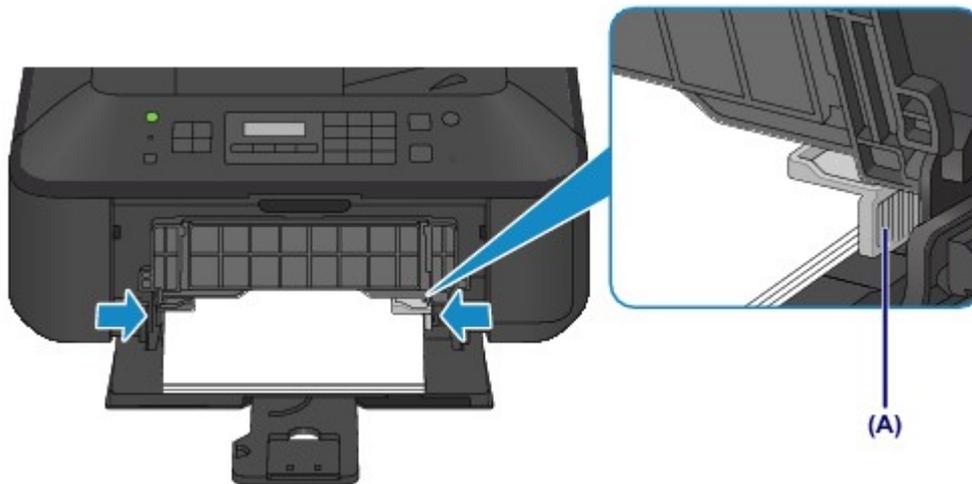
⚠️ Important

■ Always load paper in the portrait orientation **(B)**. Loading paper in the landscape orientation **(C)** can cause paper jams.
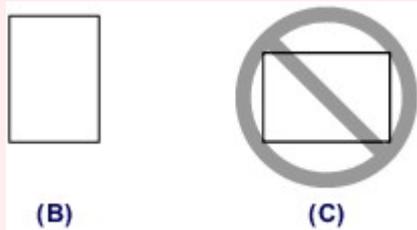
⚠️ Note

■ Do not overload paper by stacking until the top of the stack touches the paper guides.
■ Load small size paper, such as 4" x 6" (10 x 15 cm), by pushing it in all the way to the back of the front tray.
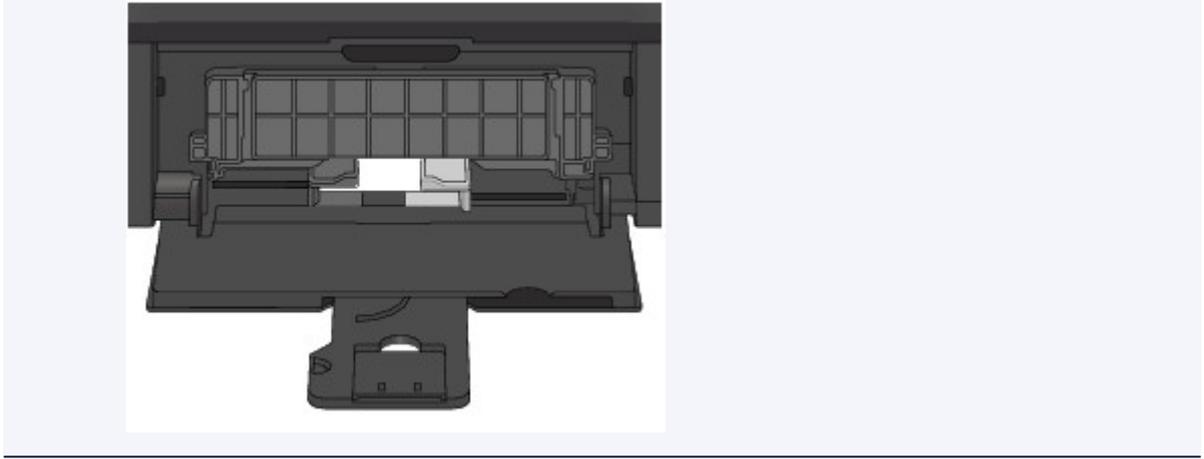
(5) Open the output tray extension.
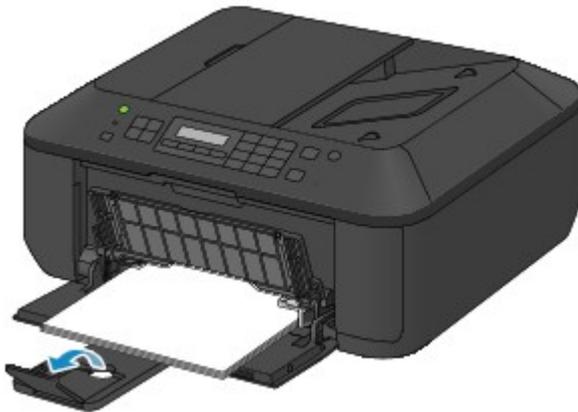
3. Open the paper output tray.

   (1) Open the paper output tray gently, and extend the paper output support.
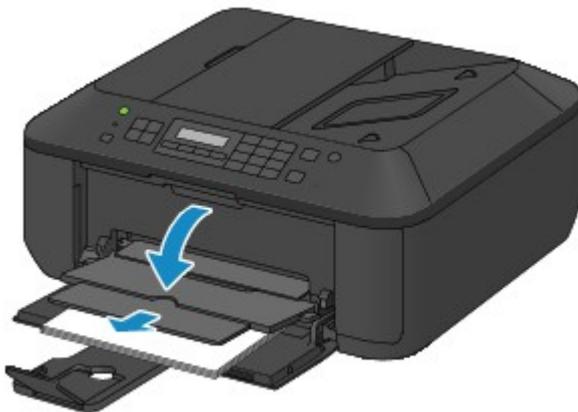
>>> **Important**

- Be sure to open the paper output tray when printing. If not open, the machine cannot start printing.

>>> **Note**

After loading paper
- Select the size and type of the loaded paper on the print settings screen of the operation panel or printer driver.

Loading Envelopes

You can load European DL and US #10 envelopes.
The address is automatically rotated and printed according to the envelope's direction by specifying with the printer driver properly.

> **Important**
>
> ■ Printing of envelopes from the operation panel is not supported.
> ■ Do not use the following envelopes. They could jam in the machine or cause the machine to malfunction.
>   - Envelopes with an embossed or treated surface
>   - Envelopes with a double flap
>   - Envelopes whose gummed flaps are already moistened and adhesive

1. Prepare envelopes.

● Press down on all four corners and edges of the envelopes to flatten them.
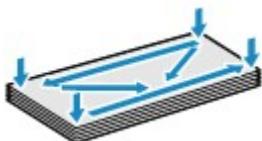
● If the envelopes are curled, hold the opposite corners and gently twist them in the opposite direction.

● If the corner of the envelope flap is folded, flatten it.
● Use a pen to press the leading edge in the inserting direction flat and sharpen the crease.
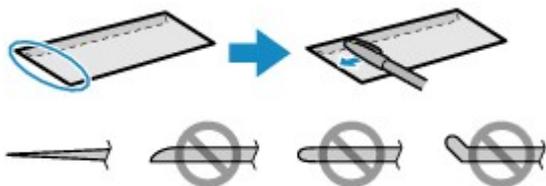
The figures above show a side view of the leading edge of the envelope.

> **Important**
>
> ■ The envelopes may jam in the machine if they are not flat or the edges are not aligned. Make sure that no curl or puff exceeds 0.1 inches (3 mm).

2. Load envelopes.

**(1)** Open the front cover gently, and extend the paper support.
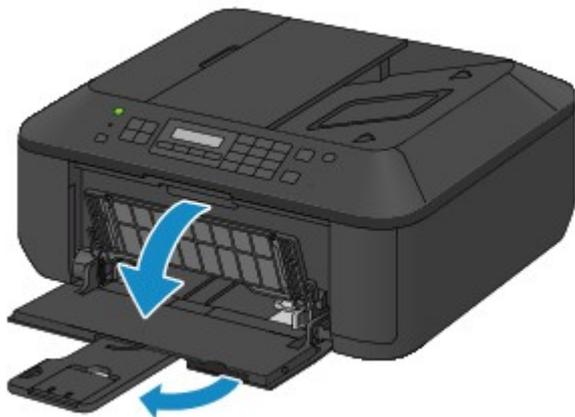
(2) Use the right paper guide **(A)** to slide both paper guides all the way out.

(3) Load the envelopes in the center of the front tray WITH THE ADDRESS SIDE FACING DOWN.
The folded flap of the envelope will be faced up on the left side.
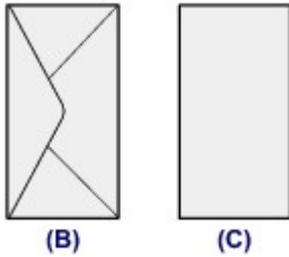
(B) Rear side

(C) Address side

Push the envelopes all the way to the back of the front tray.

Up to 5 envelopes can be loaded at once.
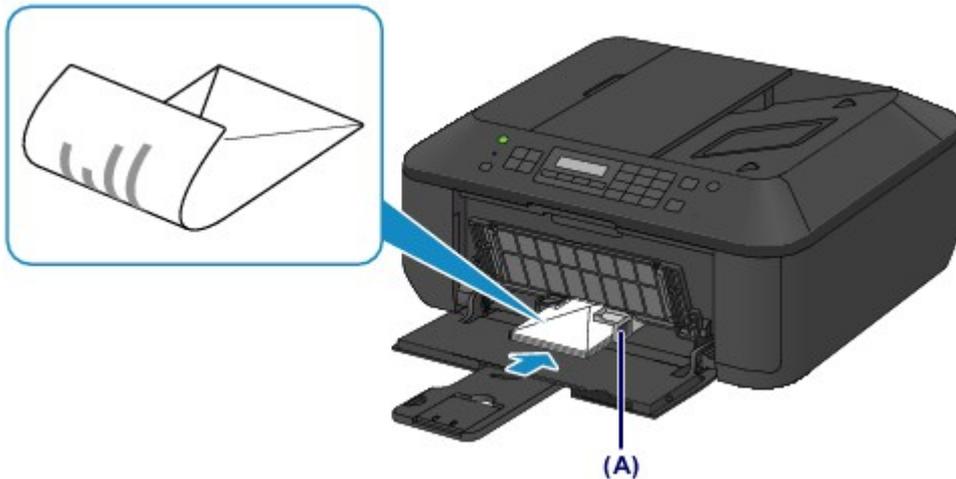
(4) Slide the right paper guide **(A)** to align the paper guides with both sides of the envelopes.
Do not slide the paper guides too hard against the envelopes. The envelopes may not be fed properly.
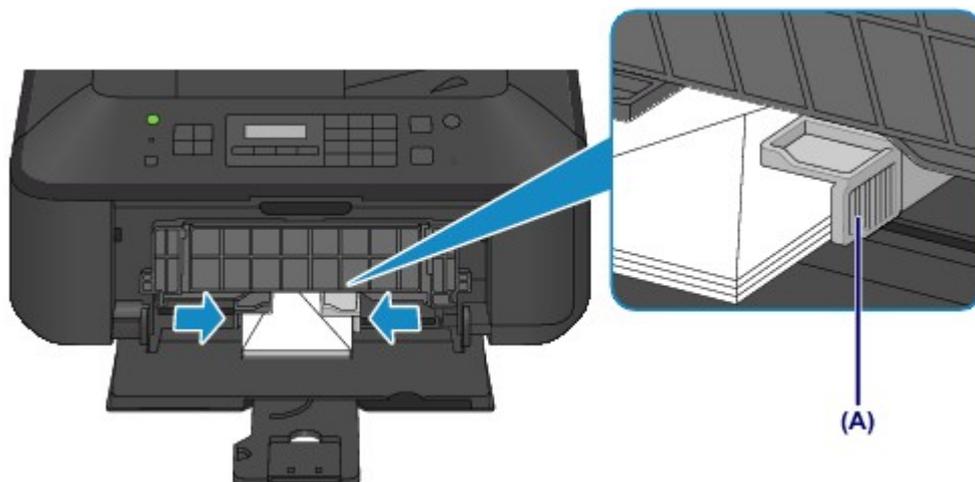

Note

- Do not overload envelopes by stacking until the top of the stack touches the paper guides.

(5) Open the output tray extension.
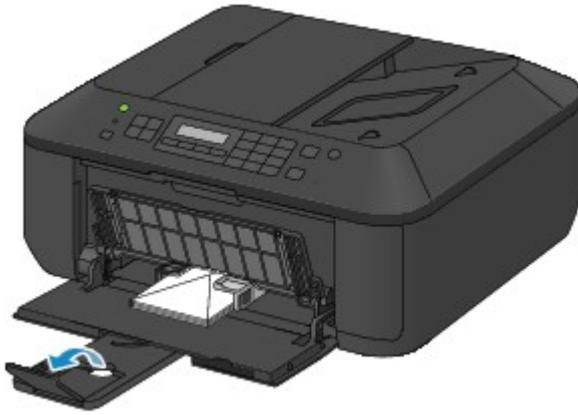
3. Open the paper output tray.

(1) Open the paper output tray gently, and extend the paper output support.

>>> **Important**

- Be sure to open the paper output tray when printing. If not open, the machine cannot start printing.

>>> **Note**

After loading envelopes
- Select the size and type of the loaded envelopes on the print settings screen of the printer driver.

Media Types You Can Use

Choose paper suitable for printing, for the best print results. Canon provides you various types of paper to enhance the fun of printing, such as stickers as well as papers for photo or document. We recommend the use of Canon genuine paper for printing your important photos.

Media Types

Commercially available papers

- Plain Paper (including recycled paper)[*1]
- Envelopes[*2]

Canon genuine papers

The Model Number of Canon genuine paper is shown in brackets. Refer to the instruction manual supplied with the paper for detailed information on the printable side and notes on handling paper. For information on the page sizes available for each Canon genuine paper, access our website.

> **Note**
>
> ■ You may not be able to purchase some Canon genuine papers depending on the country or region of purchase. Paper is not sold in the US by Model Number. Purchase paper by name.

Paper for printing photos:

- Photo Paper Pro Platinum <PT-101>
- Glossy Photo Paper "Everyday Use" <GP-501>
- Photo Paper Glossy <GP-502>
- Photo Paper Plus Glossy II <PP-201>
- Photo Paper Pro Luster <LU-101>
- Photo Paper Plus Semi-gloss <SG-201>
- Matte Photo Paper <MP-101>

Paper for printing business documents:

- High Resolution Paper <HR-101N>[*2]

Paper for creating your own prints:

- T-Shirt Transfers <TR-301>[*2]
- Photo Stickers <PS-101>[*2]

*1 100% recycled paper can be used.

*2 Printing to this paper from the operation panel is not supported.

➡ Paper Load Limit
➡ Media Type Settings on the Operation Panel
➡ Setting the Media Type with the Printer Driver

Page Sizes

You can use the following page sizes.

> **Note**
>
> ■ Printing of envelopes from the operation panel is not supported.

Standard sizes:

- Letter
- A5
- B5
- Legal
- A4
- 4" x 6" (10 x 15 cm)

- 5" x 7" (13 x 18 cm)
- European DL

- 8" x 10" (20 x 25 cm)
- US Comm. Env. #10

Non-standard sizes:

You can print on non-standard size paper within the following ranges.
- Minimum size: 3.50 x 5.00 inches (89.0 x 127.0 mm)
- Maximum size: 8.50 x 26.61 inches (215.9 x 676.0 mm)

Paper Weight

You can use paper in the following weight range.
- 17 to 28 lb (64 to 105 g /m^2) (except for Canon genuine paper)

Do not use heavier or lighter paper (except for Canon genuine paper), as it could jam in the machine.

Notes on Storing Paper

- Take out only the necessary number of paper from the package, just before printing.
- To avoid curling, when you do not print, put unused paper back into the package and keep it on a level surface. And also, store it avoiding heat, humidity, and direct sunlight.

Paper Load Limit

Commercially Available Papers

Media Name	Front Tray	Paper Output Tray
Plain Paper (including recycled paper)*1	Approx. 100 sheets	Approx. 50 sheets
Envelopes	5 envelopes	*2

Canon Genuine Papers

> ⫸ **Note**
>
> ▪ We recommend that you remove the previously printed sheet from the paper output tray before continuously printing to avoid blurs and discoloration (except for High Resolution Paper <HR-101N>).

Paper for printing photos:

Media Name <Model No.>	Front Tray
Photo Paper Pro Platinum <PT-101>*3	10 sheets: A4, Letter, and 8" x 10" (20 x 25 cm) 20 sheets: 4" x 6" (10 x 15 cm)
Glossy Photo Paper "Everyday Use" <GP-501>*3	10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Glossy <GP-502>*3	10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Plus Glossy II <PP-201>*3	10 sheets: A4, Letter, 5" x 7" (13 x 18 cm), and 8" x 10" (20 x 25 cm) 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Pro Luster <LU-101>*3	10 sheets: A4 and Letter
Photo Paper Plus Semi-gloss <SG-201>*3	10 sheets: A4, Letter, 5" x 7" (13 x 18 cm), and 8" x 10" (20 x 25 cm) 20 sheets: 4" x 6" (10 x 15 cm)
Matte Photo Paper <MP-101>	10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)

Paper for printing business documents:

Media Name <Model No.>	Front Tray	Paper Output Tray
High Resolution Paper <HR-101N>	80 sheets	50 sheets

Paper for creating your own prints:

Media Name <Model No.>	Front Tray
T-Shirt Transfers <TR-301>	1 sheet
Photo Stickers <PS-101>	1 sheet

*1 Proper feeding of paper may not be possible at the maximum capacity depending on the type of paper or environmental conditions (either very high or low temperature or humidity). In such cases, reduce the number of paper you load at a time to less than half.

*2 We recommend that you remove the previously printed envelope from the paper output tray before continuously printing to avoid blurs and discoloration.

*3 When loading paper in stacks, the print side may become marked as it is fed or paper may not feed properly. In this case, load one sheet at a time.

Media Type Settings on the Operation Panel

Commercially Available Papers

Media Name	Settings in Media type
Plain Paper (including recycled paper)	**Plain paper**

Canon Genuine Papers

Paper for printing photos:

Media Name <Model No.>	Settings in Media type
Photo Paper Pro Platinum <PT-101>	**Pro Platinum**
Glossy Photo Paper "Everyday Use" <GP-501>	**Glossy**
Photo Paper Glossy <GP-502>	**Glossy**
Photo Paper Plus Glossy II <PP-201>	**Plus Glossy II**
Photo Paper Pro Luster <LU-101>	**Plus Semi-gloss**
Photo Paper Plus Semi-gloss <SG-201>	**Plus Semi-gloss**
Matte Photo Paper <MP-101>	**Matte**

Media Types You Cannot Use

Do not use the following types of paper. Using such paper will cause not only unsatisfactory results, but also the machine to jam or malfunction.

- Folded, curled, or wrinkled paper
- Damp paper
- Paper that is too thin (weighing less than 17 lb (64 g /m^2))
- Paper that is too thick (weighing more than 28 lb (105 g /m^2), except for Canon genuine paper)
- Paper thinner than a postcard, including plain paper or notepad paper cut to a small size (when printing on paper smaller than A5)
- Picture postcards
- Postcards affixed with photos or stickers
- Envelopes with a double flap
- Envelopes with an embossed or treated surface
- Envelopes whose gummed flaps are already moistened and adhesive
- Any type of paper with holes
- Paper that is not rectangular
- Paper bound with staples or glue
- Paper with adhesives
- Paper decorated with glitter, etc.

Printing Area

Printing Area

To ensure the best print quality, the machine allows a margin along each edge of media. The actual printable area will be the area inside these margins.
Recommended printing area ▣ : Canon recommends that you print within this area.
Printable area ▢ : The area where it is possible to print.
However, printing in this area can affect the print quality or the paper feed precision.
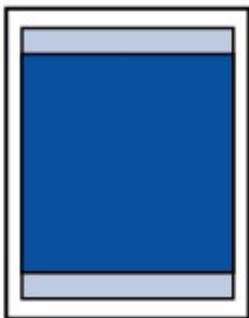
>>> **Note**
- When performing borderless copying, you can specify the amount of images that extends off the paper by **Extended copy amt.** in **Print settings**.
  ➡ Print settings

Borderless Printing
- By selecting Borderless Printing option, you can make prints with no margins.
- When performing Borderless Printing, slight cropping may occur at the edges since the printed image is enlarged to fill the whole page.
- For Borderless Printing, use the following paper:
  - Photo Paper Pro Platinum <PT-101>
  - Glossy Photo Paper "Everyday Use" <GP-501>
  - Photo Paper Glossy <GP-502>
  - Photo Paper Plus Glossy II <PP-201>
  - Photo Paper Pro Luster <LU-101>
  - Photo Paper Plus Semi-gloss <SG-201>
  - Matte Photo Paper <MP-101>
  Performing Borderless Printing on any other type of paper may substantially reduce printing quality and/or result in printouts with altered color hues.
  Borderless Printing on plain paper may result in printouts with reduced quality. Use them only for test printing.
  Borderless Printing onto plain paper from the operation panel is not supported.
- Borderless Printing is not available for legal, A5, or B5 sized paper, or envelopes.
- Depending on the type of paper, Borderless Printing may reduce the print quality at the top and bottom edges of the paper or cause these parts to become smudged.

Other Sizes than Letter, Legal, Envelopes

Size	Printable Area (width x height)
A5	5.56 x 7.95 inches (141.2 x 202.0 mm)
A4	8.00 x 11.38 inches (203.2 x 289.0 mm)
B5	6.90 x 9.80 inches (175.2 x 249.0 mm)
4" x 6" (10 x 15 cm)	3.73 x 5.69 inches (94.8 x 144.4 mm)
5" x 7" (13 x 18 cm)	4.73 x 6.69 inches (120.2 x 169.8 mm)
8" x 10" (20 x 25 cm)	7.73 x 9.69 inches (196.4 x 246.0 mm)
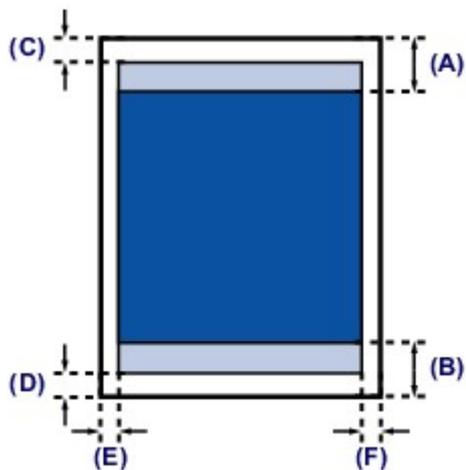
Recommended printing area

(A) 1.28 inches (32.5 mm)
(B) 1.32 inches (33.5 mm)

Printable area

(C) 0.12 inches (3.0 mm)
(D) 0.20 inches (5.0 mm)
(E) 0.13 inches (3.4 mm)
(F) 0.13 inches (3.4 mm)

Letter, Legal

Size	Printable Area (width x height)
Letter	8.00 x 10.69 inches (203.2 x 271.4 mm)
Legal	8.00 x 13.69 inches (203.2 x 347.6 mm)
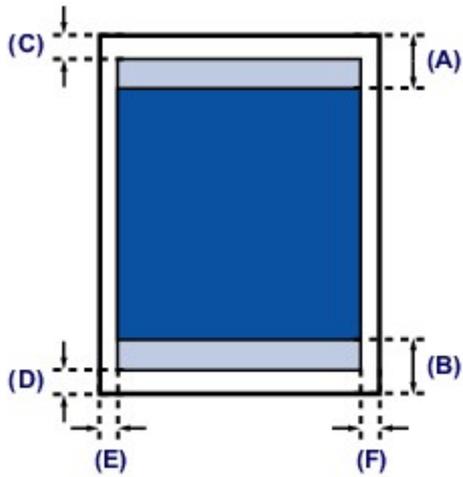
■ Recommended printing area

(A) 1.28 inches (32.5 mm)
(B) 1.32 inches (33.5 mm)

□ Printable area

(C) 0.12 inches (3.0 mm)
(D) 0.20 inches (5.0 mm)
(E) 0.25 inches (6.4 mm)
(F) 0.25 inches (6.3 mm)

Envelopes

Size	Recommended Printing Area (width x height)
European DL	3.88 x 7.06 inches (98.8 x 179.5 mm)
US Comm. Env. #10	3.68 x 7.90 inches (93.5 x 200.8 mm)
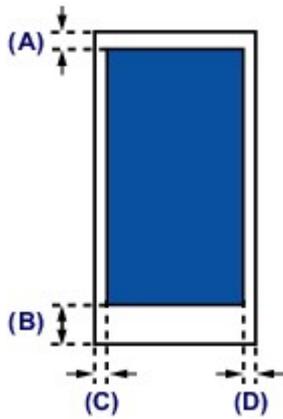
■ Recommended printing area

(A) 0.31 inches (8.0 mm)
(B) 1.28 inches (32.5 mm)
(C) 0.22 inches (5.6 mm)
(D) 0.22 inches (5.6 mm)

Loading Originals

Position to Load Originals

The machine has two positions to load originals: platen glass and ADF (Auto Document Feeder).
Select the position to load the original according to the size, type, or usage.
➡ Originals You Can Load

Loading Documents, Photos, or Book on the platen glass

Loading Two or More Sheets of Document of the Same Size and Thickness in the ADF

You can also load a sheet of document in the ADF.

Note

■ To scan the original at optimum quality, load it on the platen glass.

Loading Originals on the Platen Glass

You can load originals to copy, fax, or scan on the platen glass.

1. Load an original on the platen glass.

(1) Open the document cover.

> ### Important
> - When opening or closing the document cover, do not touch the buttons and LCD on the operation panel. Doing so may result in an unexpected operation.

(2) Load the original WITH THE SIDE TO SCAN FACING DOWN on the platen glass.
➡Originals You Can Load

Make sure of the proper position to load the original for each function.

➡How to Load Originals for Each Function
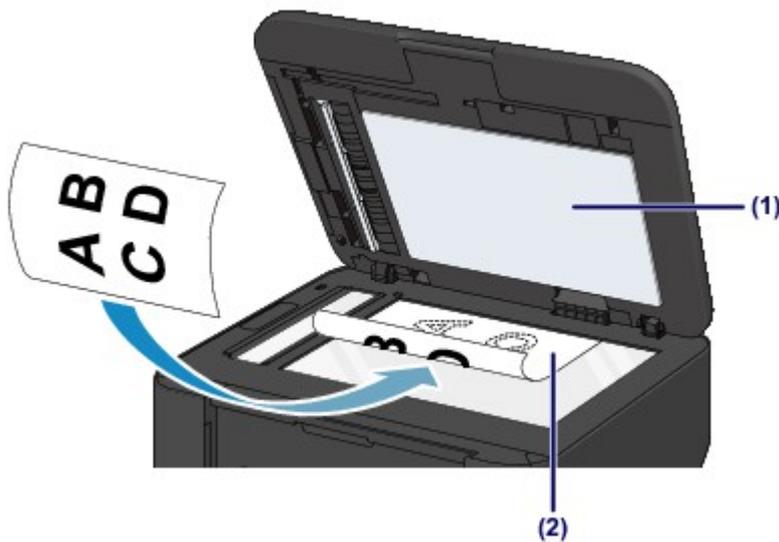
> ### Important
> - Be sure to observe the following when loading the original on the platen glass.
>   - Do not place any objects weighing 4.4 lb (2.0 kg) or more on the platen glass.
>   - Do not put any pressure of 4.4 lb (2.0 kg) or more on the platen glass, such as pressing down the original.
>   Failure to observe the above may cause the scanner to malfunction or the platen glass to break.

2. Close the document cover gently.

> ### Important
> - After loading the original on the platen glass, be sure to close the document cover before starting to copy, fax, or scan.

Loading Documents in the ADF (Auto Document Feeder)

You can load documents to copy, fax, or scan in the ADF (Auto Document Feeder).

▶▶ Note

- To scan a document at optimum quality, load it on the platen glass.

1. Make sure that any original has been removed from the platen glass.

2. Load a document in the ADF.

   (1) Open the document tray.
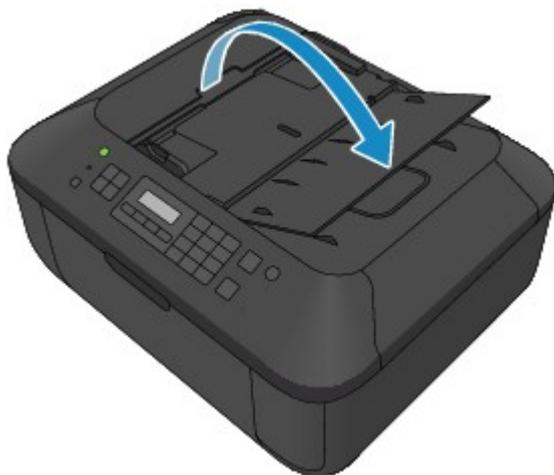
   (2) Insert the document in the document tray until you hear a beep sound.
   Load the document WITH THE SIDE TO SCAN FACING UP in the document tray.
   ➡ Originals You Can Load

   ### ▶▶ Note

   - When you set the alarm to be silent in **Sound control** of **Dev. user settings**, the alarm will not beep even if the document is inserted in the document tray.
     ➡ Dev. user settings

   (3) Adjust the document guides to match the width of the document.
   Do not slide the document guides too hard against the document. The document may not be fed properly.
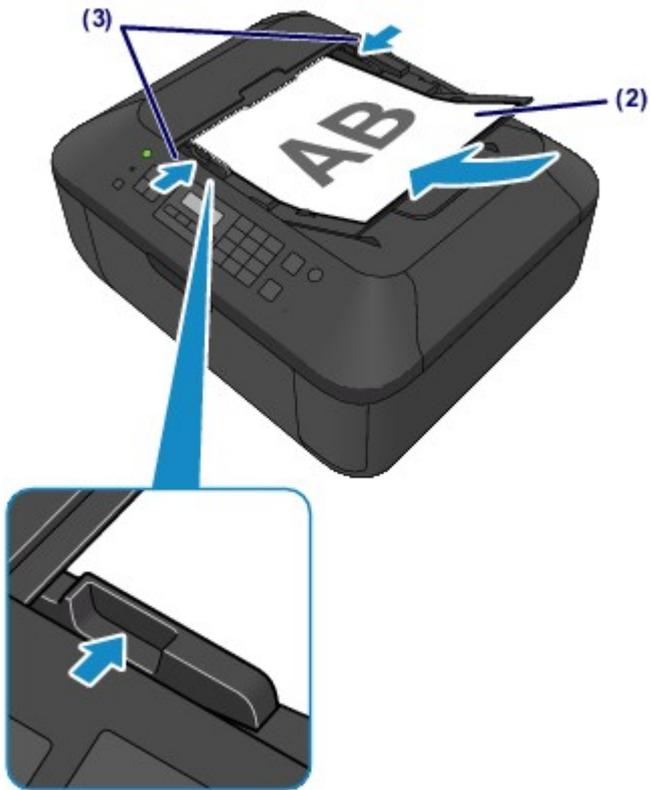
How to Load Originals for Each Function

You may have to load the original in a different position depending on the function you selected in copying, faxing, scanning, etc. Load the original in the correct position according to the selected function. If you do not load the original correctly, it may not be scanned properly.

Loading the Original to Be Aligned with the alignment mark ⊾
- **Load originals to copy or fax**
- **In the scan mode,**
  - **- select Auto scan for Document type to scan text documents, magazines, or newspapers**
  - **- select Document or Photo for Document type and specify a standard size (A4, Letter, etc.) for Scan size to scan originals**
- **With a software application on a computer,**
  - **- scan text documents, magazines, or newspapers**
  - **- select a standard size (A4, Letter, etc.) to scan originals**

Load the original WITH THE SIDE TO SCAN FACING DOWN and align it with the alignment mark ⊾.

▶ Important
- The machine cannot scan the shaded area **(A)** (0.04 inches (1 mm) from the edges of the platen glass).
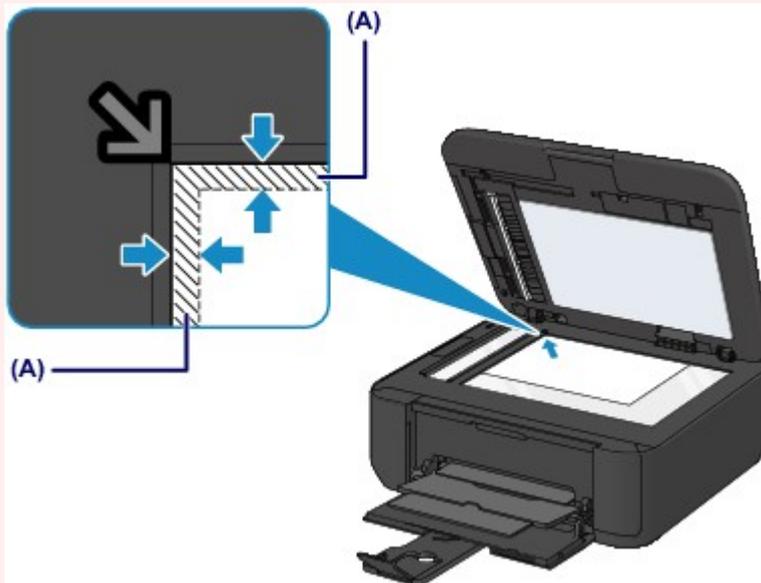
Loading Only One Original in the Center of the platen glass
- **In the scan mode,**
  - **- select Auto scan for Document type to scan one printed photo, postcard, business card, or disc**
  - **- select Photo for Document type and specify Auto scan(A) -Singl for Scan size to scan one original**
- **Scan one printed photo, postcard, business card, or disc with a software application on a computer**

Load the original WITH THE SIDE TO SCAN FACING DOWN and place it at least 0.4 inches (10 mm) away from the edges of the platen glass.
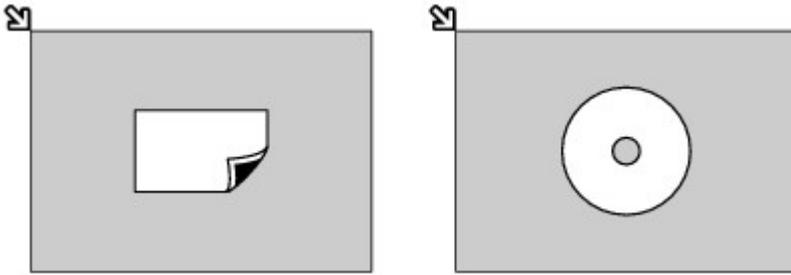
Loading Two or More Originals on the platen glass

- **In the scan mode,**
  - **- select Auto scan for Document type to scan two or more printed photos, postcards, or business cards**
  - **- select Photo for Document type and specify Auto scan(A) -Multi for Scan size to scan two or more originals**
- **Scan two or more printed photos, postcards, or business cards with a software application on a computer**

Load two or more originals WITH THE SIDE TO SCAN FACING DOWN and place them at least 0.4 inches (10 mm) away from the edges of the platen glass and at least 0.4 inches (10 mm) apart from each other.
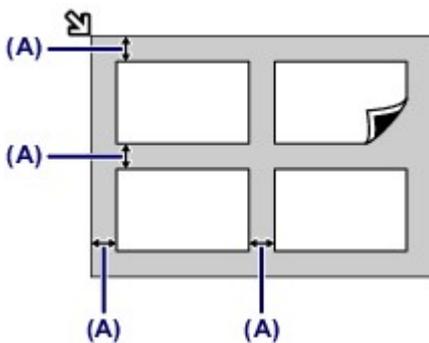
(A) 0.4 inches (10 mm)

Note

- The Skew Correction function automatically compensates for the originals placed at an angle of up to approximately 10 degrees. Slanted photos with a long edge of 7.1 inches (180 mm) or more cannot be corrected.
- Non-rectangular or irregular shaped photos (such as cut out photos) may not be scanned properly.

Originals You Can Load

The originals you can load on the platen glass or in the ADF (Auto Document Feeder) are as follows.

platen glass

Item	Details
Types of originals	- Text document, magazine, or newspaper - Printed photo, postcard, business card, or disc (BD/DVD/CD, etc.) - Documents that are not suitable for the ADF
Size (width x height)	Max. 8.5 x 11.7 inches (216 x 297 mm)
Quantity	1 sheet or multiple sheets*
Thickness	Max. 0.39 inches (10 mm)

* Two or more originals can be loaded on the platen glass depending on the selected function.
➡ How to Load Originals for Each Function

ADF

Item	Details
Types of originals	Multipage plain-paper documents of the same size, thickness, and weight
Size (width x height)	- Max. 8.5 x 14.0 inches (216 x 356 mm) - Min. 5.8 x 5.8 inches (148 x 148 mm) Only A4 or Letter-sized documents for 2-on-1 copy and 4-on-1 copy
Quantity	- A4 or Letter size: Max. 30 sheets (20 lb (75 g /m^2) paper), up to 0.16 inches (4 mm) in height - Legal size: Max. 5 sheets (20 lb (75 g /m^2) paper), up to 0.04 inches (1 mm) in height - Other sizes: 1 sheet
Thickness	0.002 to 0.005 inches (0.06 to 0.13 mm)
Weight	13 to 24 lb (50 to 90 g /m^2)

》》 Note

- Make sure any glue, ink, correction fluid, or the like on the document is completely dry before loading it on the platen glass or in the ADF.
  However, do not load glued documents in the ADF even if the glue is dry, as this may cause paper jams.
- Remove all staples, paper clips, and the like before feeding the document.
- Load Legal-sized documents in the ADF.
- Do not load the following types of documents in the ADF. They will jam.
  - Wrinkled or creased paper
  - Curled paper
  - Torn paper
  - Paper with holes
  - Glued paper
  - Paper with sticky notes
  - Carbon paper or carbon-backed paper
  - Surface treated paper
  - Onion skin or thin paper
  - Photo or thick paper

Replacing a FINE Cartridge

Replacing a FINE Cartridge

Checking the Ink Status

Replacing a FINE Cartridge

When remaining ink cautions or errors occur, the message will appear on the LCD to inform you of the error. Take appropriate action according to the message.
➡A Message Is Displayed

> **Note**
> ■ For information on the compatible FINE cartridge, refer to the printed manual: *Getting Started*.

Replacing Procedure

When you need to replace a FINE cartridge, follow the procedure below.

> **Important**
>
> **Handling FINE cartridge**
> ■ Do not touch the electrical contacts **(A)** or print head nozzle **(B)** on a FINE cartridge. The machine may not print properly if you touch them.
>
>
>
> ■ If you remove a FINE cartridge, replace it immediately. Do not leave the machine with the FINE cartridge removed.
> ■ Use a new FINE cartridge for replacement. Installing a used FINE cartridge may cause the nozzles to clog. Furthermore, with such a FINE cartridge, the machine will not be able to inform you when to replace the FINE cartridge properly.
> ■ Once a FINE cartridge has been installed, do not remove it from the machine and leave it out in the open. This will cause the FINE cartridge to dry out, and the machine may not operate properly when it is reinstalled. To maintain optimal printing quality, use a FINE cartridge within six months of first use.
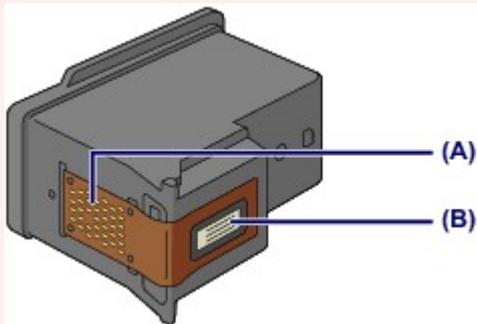
> **Note**
> ■ If a FINE cartridge runs out of ink, you can print with either color or black FINE cartridge, in whichever ink remains, only for a while. However the print quality may be reduced compared to when printing with both cartridges. We recommend to use a new FINE cartridge in order to obtain optimum qualities.
> Even when printing with one ink only, print with leaving the empty FINE cartridge installed. If either of the color FINE cartridge or black FINE cartridge is not installed, an error occurs and the machine cannot print.
> For information on how to configure this setting, see Setting the Ink Cartridge to be Used.
> ■ Color ink may be consumed even when printing a black-and-white document or when black-and-white printing is specified.
> Both color ink and black ink are also consumed in the standard cleaning and deep cleaning of the print head, which may be necessary to maintain the performance of the machine. When ink runs out, replace the FINE cartridge immediately with a new one.
> ➡Useful Information about Ink

1. Make sure that the power is turned on, open the front cover **(C)**, then open the paper output tray **(D)**.

2. Open the paper output cover **(E)**.

When the FINE cartridge holder moves to the replacement position, the head cover **(F)** OPENS AUTOMATICALLY.
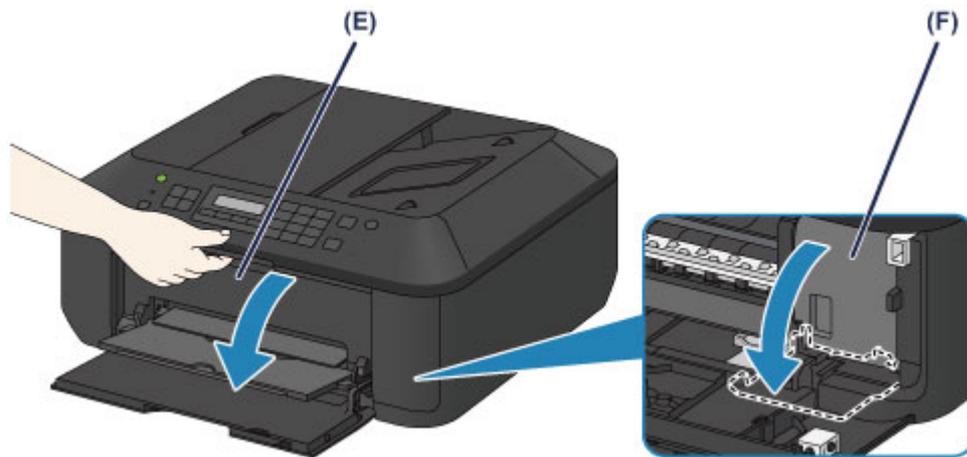
⚠ Caution

- Do not hold the FINE cartridge holder to stop or move it forcibly. Do not touch the FINE cartridge holder until it stops completely.

▷▷ Important

- The head cover will open automatically after you open the paper output cover.
  If you have closed the head cover while replacing a FINE cartridge, close the paper output cover, then open it again.
  Trying to force open the head cover with your hand may cause the machine to malfunction.
- Do not touch the metallic parts or other parts inside the machine.
- If the paper output cover is left open for more than 10 minutes, the FINE cartridge holder moves to the far right and the **Alarm** lamp lights. In this case, close the paper output cover, then open it again.

3. Remove the empty FINE cartridge.

(1) Push down the ink cartridge lock lever until it clicks.
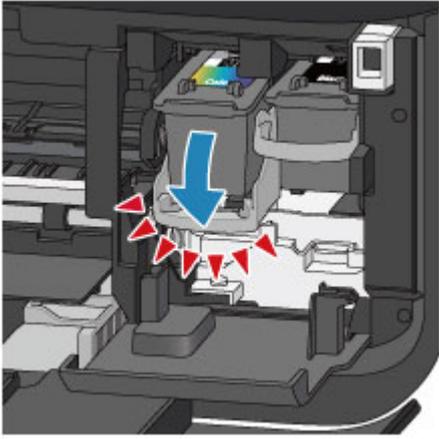
(2) Remove the FINE cartridge.
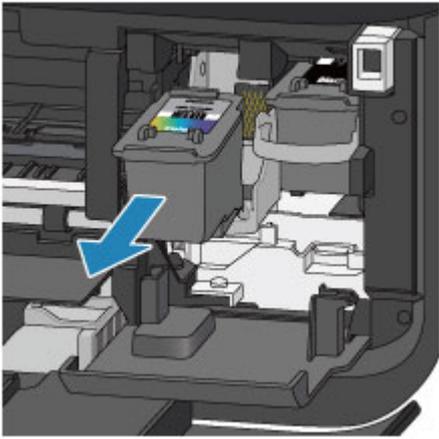
Important

- Handle the FINE cartridge carefully to avoid staining of clothing or the surrounding area.
- Discard the empty FINE cartridge according to the local laws and regulations regarding disposal of consumables.

4. Prepare a new FINE cartridge.

(1) Take a new FINE cartridge out of its package and remove the protective tape **(G)** gently.
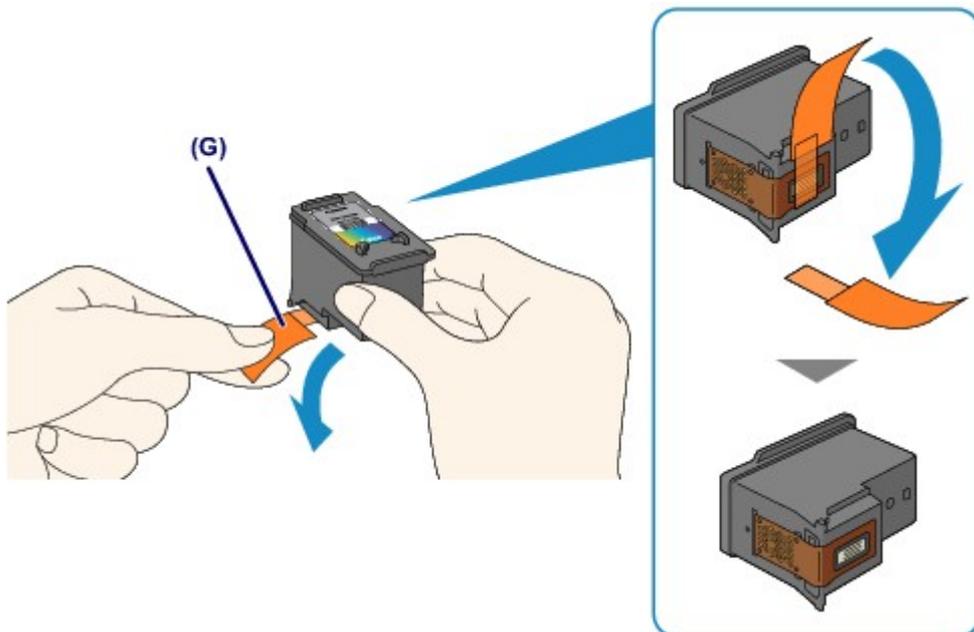
Important

- If you shake a FINE cartridge, ink may spill out and stain your hands and the surrounding area. Handle a FINE cartridge carefully.
- Be careful not to stain your hands and the surrounding area with ink on the removed protective tape.
- Do not reattach the protective tape once you have removed it. Discard it according to the local laws and regulations regarding disposal of consumables.
- Do not touch the electrical contacts or print head nozzle on a FINE cartridge. The machine may not print properly if you touch them.
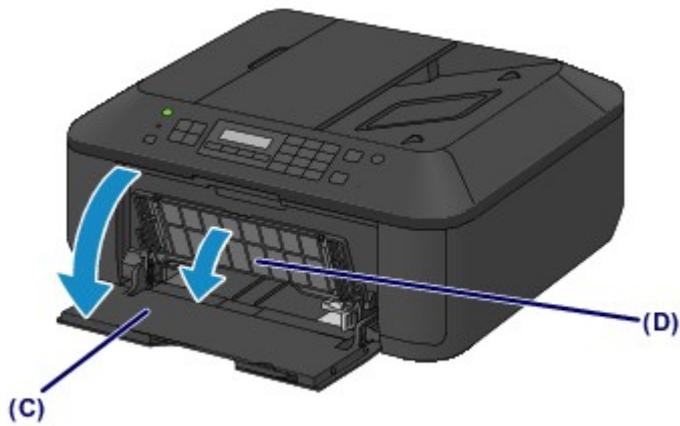
5. Install the FINE cartridge.

(1) Insert the new FINE cartridge straight into the FINE cartridge holder all the way until it touches the back.
The color FINE cartridge should be installed into the left slot and the black FINE cartridge should be installed into the right slot.
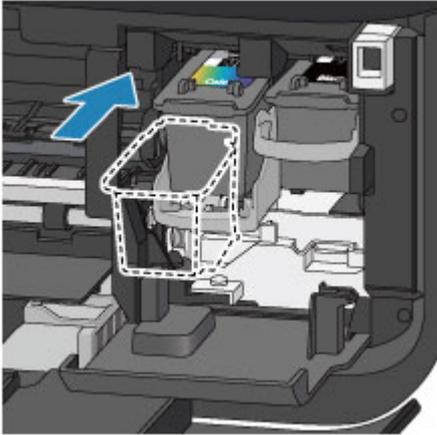
⟫⟫ Important

- Insert the FINE cartridge gently so that it does not hit the electrical contacts on the FINE cartridge holder.

(2) Push up the ink cartridge lock lever to lock the FINE cartridge into place.
The FINE cartridge is locked into place when the ink cartridge lock lever clicks.
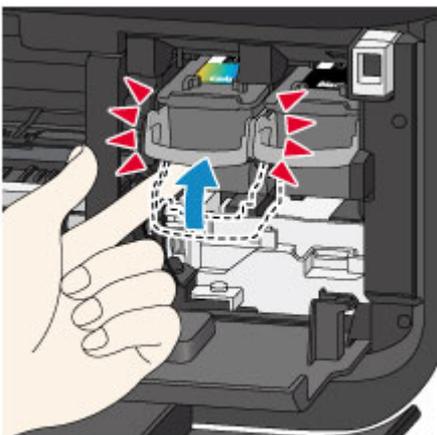
Important

- Check if the FINE cartridge is installed correctly.

- The machine cannot print unless both the color FINE cartridge and black FINE cartridge are installed. Be sure to install both cartridges.

6. Close the paper output cover **(H)**.

(H)
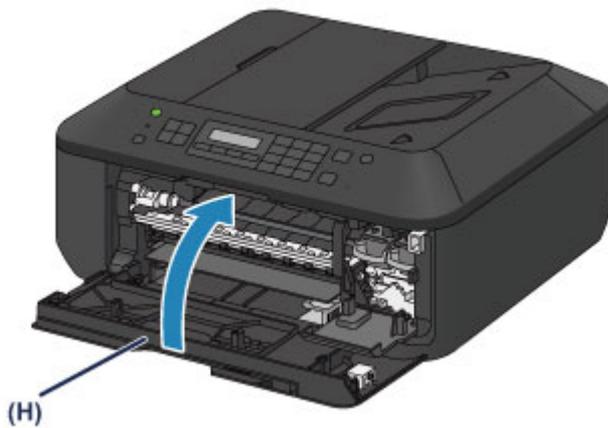
Note

- If the error message appears after the paper output cover is closed, take appropriate action.
  ➡ A Message Is Displayed
- When you start printing after replacing the FINE cartridge, the machine starts cleaning the print head automatically. Do not perform any other operations until the machine completes the cleaning of the print head.
- If the print head is out of alignment, as indicated by misaligned printed ruled lines or similar symptoms, adjust the print head position.
  ➡ Aligning the Print Head
- The machine may make noise during operation.

Checking the Ink Status

Checking the Ink Status with the LCD on the Machine

You can also check the ink status on the computer screen.
Checking the Ink Status from Your Computer

Checking the Ink Status with the LCD on the Machine

> **Note**
> - The ink level detector is mounted on the machine to detect the remaining ink level. The machine considers as ink is full when a new FINE cartridge is installed, and then starts to detect a remaining ink level. If you install a used FINE cartridge, the indicated ink level of it may not be correct. In such case, refer to the ink level information only as a guide.
> - When remaining ink cautions or errors occur, the message will appear to inform you of the error. Take appropriate action according to the message.
>   ➡A Message Is Displayed

1. Make sure that the power is turned on, and press the **Setup** button.

   The **Setup menu** screen will appear.

2. Use the ◄ or ► button to select **Ink information**, then press the **OK** button.
   ➡LCD and Operation Panel

3. Use the ◄ or ► button to select **Remaining ink**, then press the **OK** button.

   Remaining ink is shown in the area **(A)**.
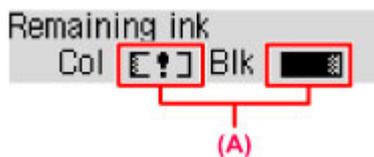
   Example: 〔!〕
   The ink is running low. Prepare a new ink cartridge.

   > **Note**
   > - To access other available functions, use the mode buttons.
   > - To print the model number of the FINE cartridge, select **Ink information** from **Setup menu**, then select **Print ink number**.
   > - You can also check the ink status on the LCD when you press the **COPY**, **FAX**, **SCAN**, or **Setup** button. The current remaining ink level will be displayed on the LCD for a few seconds.
   > - You can also check the ink status on the computer screen.
   >   ➡Checking the Ink Status from Your Computer

Maintenance

- When Printing Becomes Faint or Colors Are Incorrect
- Performing Maintenance from a Computer
- Cleaning the Machine

When Printing Becomes Faint or Colors Are Incorrect

Maintenance Procedure

Printing the Nozzle Check Pattern

Examining the Nozzle Check Pattern

Cleaning the Print Head

Cleaning the Print Head Deeply

Aligning the Print Head

Maintenance Procedure

If print results are blurred or colors are not printed correctly, the print head nozzle (FINE cartridge) is probably clogged. Follow the procedure below to print the nozzle check pattern, check the print head nozzle condition, then clean the print head.

If printed ruled lines are misaligned or print results are otherwise unsatisfactory, aligning the print head may improve print quality.

Important

- Do not rinse or wipe the FINE cartridge. This can cause trouble with the FINE cartridge.

Note

Before performing maintenance
- Check if ink remains in the FINE cartridge.
  ➡Checking the Ink Status with the LCD on the Machine
- Check if the FINE cartridge is installed correctly.
  ➡Replacing Procedure
  Also check if the protective tape on the bottom of the FINE cartridge is removed.
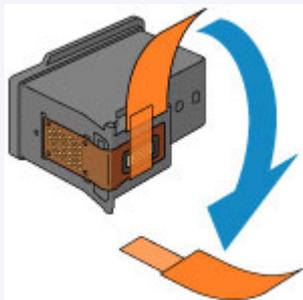
- If an error message appears on the LCD, see A Message Is Displayed.
- Increasing the print quality in the printer driver settings may improve the print result.
  ➡Changing the Print Quality and Correcting Image Data

When the Print Results Are Blurred or Uneven:

Step 1

Print the nozzle check pattern.

From the machine
➡Printing the Nozzle Check Pattern
From the computer
➡Use Your Computer to Print a Nozzle Check Pattern

Examine the nozzle check pattern.

➡Examining the Nozzle Check Pattern

If there are missing lines or horizontal white streaks in the pattern:

After cleaning the print head, print and examine the nozzle check pattern.

Step 2

Clean the print head.

From the machine
➡Cleaning the Print Head
From the computer
➡Cleaning the Print Heads from Your Computer

If the problem is not resolved after cleaning the print head twice:

Step 3

Clean the print head deeply.

> From the machine
> ➡ Cleaning the Print Head Deeply
> From the computer
> ➡ Cleaning the Print Heads from Your
> Computer

If the problem is not resolved, turn off the power and clean the print head deeply again after 24 hours. Do not disconnect the power plug when turning off the power.

If the problem is still not resolved:

Step 4

Replace a FINE cartridge.

> ➡ Replacing a FINE Cartridge

Note

■ If the problem is still not resolved after replacing the FINE cartridge, contact the service center.

When the Print Results Are Not Even such as the Ruled Lines Are Misaligned:

Align the print head.

> From the machine
> ➡ Aligning the Print Head

Printing the Nozzle Check Pattern

Print the nozzle check pattern to determine whether the ink ejects properly from the print head nozzle.

>>> **Note**

- If the remaining ink level is low, the nozzle check pattern will not be printed correctly. Replace the FINE cartridge whose ink is low.
  ➡️Replacing a FINE Cartridge

You need to prepare: a sheet of A4 or Letter-sized plain paper

1. Make sure that the power is turned on.

2. Load a sheet of A4 or Letter-sized plain paper in the front tray.

3. Open the output tray extension, open the paper output tray, then extend the paper output support.

4. Print the nozzle check pattern.

   **(1)** Press the **Setup** button.
    The **Setup menu** screen will appear.

    (2) Use the ◄ or ► button to select **Maintenance**, then press the **OK** button.
    ➡️LCD and Operation Panel

    (3) Use the ◄ or ► button to select **Nozzle check**, then press the **OK** button.

    ```
    Maintenance
            Nozzle check      ▸
    ```
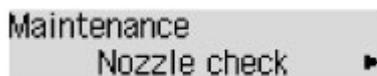
    The nozzle check pattern will be printed.

5. Examine the nozzle check pattern.
    ➡️Examining the Nozzle Check Pattern

>>> **Note**

- To access other available functions, use the mode buttons.

Examining the Nozzle Check Pattern

Examine the nozzle check pattern, and clean the print head if necessary.

1. Check if there are missing lines in the pattern **(1)** or horizontal white streaks in the pattern **(2)**.

(A) Number of sheets printed so far

If there are missing lines in the pattern (1):
Cleaning the print head is required.
➡ Cleaning the Print Head
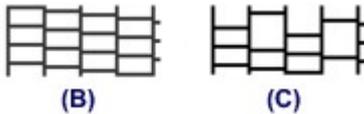
(B) Good
(C) Bad (lines are missing)

If there are horizontal white streaks in the pattern (2):
Cleaning the print head is required.
➡ Cleaning the Print Head

(D) Good
(E) Bad (horizontal white streaks are present)

》》 Note

■ The total number of sheets printed so far is shown in increments of 50 sheets on the printout of the nozzle check pattern.

Cleaning the Print Head

Clean the print head if lines are missing or if horizontal white streaks are present in the printed nozzle check pattern.
Cleaning unclogs the nozzles and restores the print head condition. Cleaning the print head consumes ink, so clean the
print head only when necessary.

1. Make sure that the power is turned on.

2. Clean the print head.

    (1) Press the **Setup** button.
    The **Setup menu** screen will appear.

    (2) Use the ◄ or ► button to select **Maintenance**, then press the **OK** button.
    ➡ LCD and Operation Panel

    (3) Use the ◄ or ► button to select **Cleaning**, then press the **OK** button.
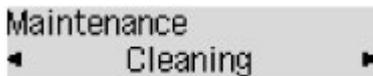
    The machine starts cleaning the print head.

    Do not perform any other operations until the machine completes the cleaning of the print head. This takes about
    1 to 2 minutes.

3. Check the print head condition.

    To check the print head condition, print the nozzle check pattern.
    ➡ Printing the Nozzle Check Pattern

    ➤➤ **Note**

    ▪ To access other available functions, use the mode buttons.
    ▪ If the problem is not resolved after cleaning the print head twice, clean the print head deeply.
    ➡ Cleaning the Print Head Deeply

Cleaning the Print Head Deeply

If print quality does not improve by the standard cleaning of the print head, clean the print head deeply. Cleaning the print head deeply consumes more ink than the standard cleaning of the print head, so clean the print head deeply only when necessary.

1. Make sure that the power is turned on.

2. Clean the print head deeply.

   (1) Press the **Setup** button.
   The **Setup menu** screen will appear.

   (2) Use the ◄ or ► button to select **Maintenance**, then press the **OK** button.
   ➡ LCD and Operation Panel

   (3) Use the ◄ or ► button to select **Deep cleaning**, then press the **OK** button.

   ```
   Maintenance
   ◄    Deep cleaning    ►
   ```
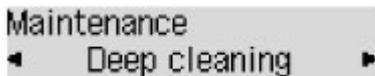
   The machine starts cleaning the print head deeply.

   Do not perform any other operations until the machine completes the deep cleaning of the print head. This takes about 1 to 2 minutes.

3. Check the print head condition.

   To check the print head condition, print the nozzle check pattern.
   ➡ Printing the Nozzle Check Pattern

If the problem is not resolved, turn off the power and clean the print head deeply again after 24 hours. Do not disconnect the power plug when turning off the power.

If the problem is still not resolved, replace the FINE cartridge with a new one.
➡ Replacing a FINE Cartridge

If the problem is still not resolved after replacing the FINE cartridge, contact the service center.

>>> **Note**

■ To access other available functions, use the mode buttons.

Aligning the Print Head

If printed ruled lines are misaligned or print results are otherwise unsatisfactory, adjust the print head position.

>>> **Note**

- If the remaining ink level is low, the print head alignment sheet will not be printed correctly. Replace the FINE cartridge whose ink is low.
  ➡Replacing a FINE Cartridge

You need to prepare: a sheet of A4 or Letter-sized plain paper (including recycled paper)*

* Be sure to use paper that is white and clean on both sides.

1. Make sure that the power is turned on.

2. Load a sheet of A4 or Letter-sized plain paper in the front tray.

3. Open the output tray extension, open the paper output tray, then extend the paper output support.

4. Print the print head alignment sheet.

   (1) Press the **Setup** button.
   The **Setup menu** screen will appear.

   (2) Use the ◄ or ► button to select **Maintenance**, then press the **OK** button.
   ➡LCD and Operation Panel

   (3) Use the ◄ or ► button to select **Head alignment**, then press the **OK** button.
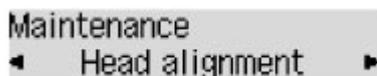
   The print head alignment sheet will be printed.
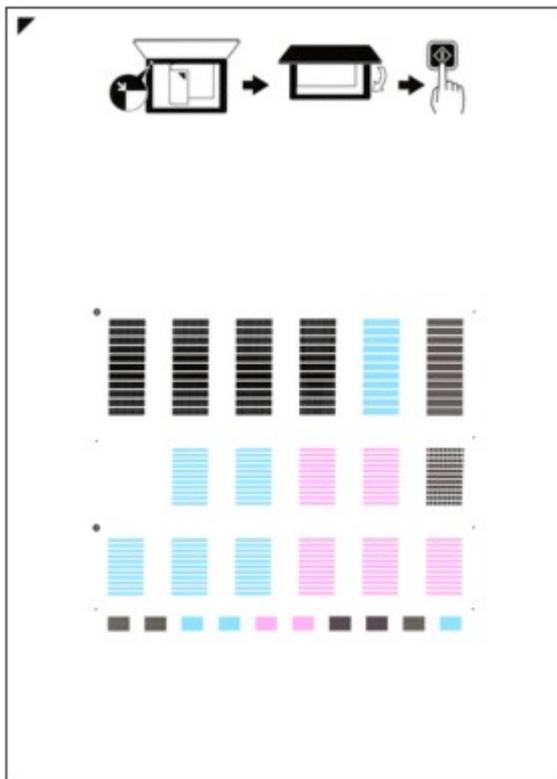
   >>> **Important**

   - Do not touch any printed part on the print head alignment sheet.

> ■ Be careful not to get the print head alignment sheet dirty. If the sheet is stained or wrinkled, it may not be scanned properly.

(4) When the message "**Are the patterns fine?**" appears, confirm that the pattern is printed correctly, select **Yes**, then press the **OK** button.

5. Scan the print head alignment sheet to adjust the print head position.

(1) Confirm the message, then load the print head alignment sheet on the platen glass.

Load the print head alignment sheet WITH THE PRINTED SIDE FACING DOWN and align the mark ▼ on the upper left corner of the sheet with the alignment mark ⬎ .
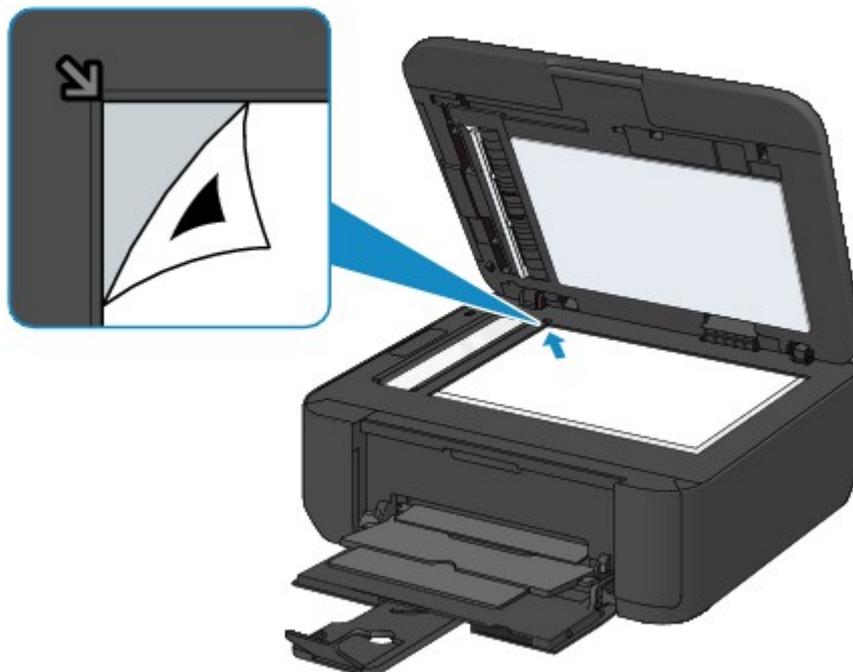
>>> **Note**

> ■ The print head alignment sheet cannot be scanned if it is loaded in the ADF (Auto Document Feeder).

(2) Close the document cover gently, then press the **Color** or **Black** button.

The machine starts scanning the print head alignment sheet, and the print head position will be adjusted automatically.

When adjusting the print head position is complete, remove the print head alignment sheet on the platen glass.

>>> **Important**

> ■ Do not open the document cover or move the print head alignment sheet on the platen glass until adjusting the print head position is complete.
> ■ If the error message appears on the LCD, press the **OK** button to release the error, then take appropriate action.
> ➡A Message Is Displayed

>>> **Note**

■ To access other available functions, use the mode buttons.
■ If the print results are still not satisfactory after adjusting the print head position as described above, adjust the print head position manually from the computer.
➡Aligning the Print Head Position from Your Computer
■ To print and check the current head position adjustment values, select **Print align value** from the **Maintenance** menu.

Performing Maintenance from a Computer

Cleaning the Print Heads from Your Computer

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 cleaning the print head is as follows:

Cleaning

1. **Open the printer driver setup window**

2. **Click Cleaning on the Maintenance tab**

   When the **Print Head Cleaning** dialog box opens, select the ink group for which cleaning is to be performed.
   Click **Initial Check Items** to display the items you need to check before performing cleaning.

3. **Execute cleaning**

   Make sure that the machine is on and then click **Execute**.

   Print head cleaning starts.

4. **Complete cleaning**

   The **Nozzle Check** dialog box opens after the confirmation message.

5. **Check the results**

   To check whether the print quality has improved, click **Print Check Pattern**. To cancel the check process, click **Cancel**.

   If cleaning the head once does not resolve the print head problem, clean it once more.

   >>> **Important**

   - **Cleaning** consumes a small amount of ink.
     Cleaning the print head frequently will rapidly deplete your printer's ink supply. Consequently, perform cleaning only when necessary.

Deep Cleaning

Deep Cleaning is more thorough than cleaning. Perform deep cleaning when two **Cleaning** attempts do not resolve the print head problem.

1. **Open the printer driver setup window**

2. **Click Deep Cleaning on the Maintenance tab**

   When the **Deep Cleaning** dialog box opens, select the ink group for which deep cleaning is to be performed.
   Click **Initial Check Items** to display the items you need to check before performing deep cleaning.

3. **Execute deep cleaning**

   Make sure that the machine is on and then click **Execute**.
   Click **OK** when the confirmation message appears.

   Print head deep cleaning starts.

4. **Complete deep cleaning**

   The **Nozzle Check** dialog box opens after the confirmation message.

5. Check the results

To check whether the print quality has improved, click **Print Check Pattern**. To cancel the check process, click **Cancel**.

Important

- **Deep Cleaning** consumes a larger amount of ink than **Cleaning**.
  Cleaning the print head frequently will rapidly deplete your printer's ink supply. Consequently, perform cleaning only when necessary.

Note

- If there is no sign of improvement after **Deep Cleaning**, switch off the machine, wait 24 hours, and then perform **Deep Cleaning** again. If there is still no sign of improvement, see "Ink Is Not Ejected."

Related Topic

Use Your Computer to Print a Nozzle Check Pattern

Cleaning the Paper Feed Rollers from Your Computer

Cleans the paper feed rollers. Perform feed roller cleaning when there are paper particles sticking to the paper feed rollers and paper is not fed properly.

The procedure for performing the feed roller cleaning is as follows:

 Roller Cleaning

1. **Prepare the machine**

   Remove all sheets of paper from the front tray.

2. **Open the printer driver setup window**

3. **Click Roller Cleaning on the Maintenance tab**

   The confirmation message appears.

4. **Execute paper feed roller cleaning**

   Make sure that the machine is on and then click **OK**.
   Paper feed roller cleaning starts.

5. **Complete paper feed roller cleaning**

   After the rollers have stopped, follow the instruction in the message, load three sheets of plain paper into the front tray, and click **OK**.

   Paper will be ejected and feed roller cleaning will be completed.

Aligning the Print Head

When you perform head position adjustment, errors in the print head adjustment position are corrected and conditions such as color and line streaking are improved.
If the print results appear uneven because of line shifts or other conditions, adjust the position of the print head.

On this machine, you can adjust the print head either automatically or manually.

- To adjust the head position automatically, execute print head position adjustment from the operation panel of the machine.

  ➡ Aligning the Print Head

- To adjust the head position manually, execute print head position adjustment from the computer.

  ➡ Aligning the Print Head Position from Your Computer

Aligning the Print Head Position from Your Computer

Print head alignment corrects the installation positions of the print head and improves deviated colors and lines.

This machine supports two head alignment methods: automatic head alignment and manual head alignment.
To perform automatic head alignment, refer to "Aligning the Print Head" and then execute the function from the operation panel of the machine.

The procedure for performing manual print head alignment is as follows:

Print Head Alignment

1. **Open the printer driver setup window**

2. **Click Custom Settings on the Maintenance tab**

   The **Custom Settings** dialog box opens.

3. **Switch head alignment to manual**

   Check the **Align heads manually** check box.

4. **Apply the settings**

   Click **OK** and when the confirmation message appears, click **OK**.

5. **Click Print Head Alignment on the Maintenance tab**

   The **Start Print Head Alignment** dialog box opens.

6. **Load paper in the machine**

   Load three sheets of A4 size or Letter size plain paper into the front tray.

7. **Execute head alignment**

   Make sure that the machine is on and click **Align Print Head**.
   Follow the instruction in the message.

8. **Check the printed pattern**

   Enter the numbers of the patterns with the least amount of streaks in the associated boxes.
   Even if the patterns with the least amount of streaks are clicked in the preview window, their numbers are automatically entered in the associated boxes.
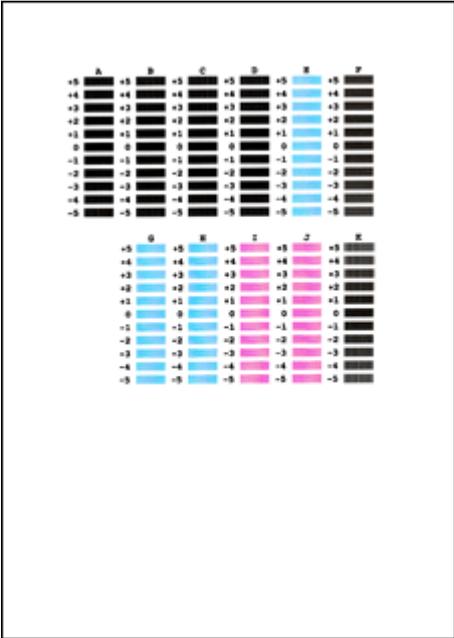
When you have entered all the necessary values, click **OK**.

> **Note**
>
> - If it is difficult to pick the best pattern, pick the setting that produces the least noticeable vertical streaks.
>
>
>
> (A) Least noticeable vertical streaks
> (B) Most noticeable vertical streaks
>
> - If it is difficult to pick the best pattern, pick the setting that produces the least noticeable horizontal streaks.
>
>
>
> (A) Least noticeable horizontal streaks
> (B) Most noticeable horizontal streaks

9. Confirm the displayed message and click **OK**

   The second pattern is printed.

10. Check the printed pattern

    Enter the numbers of the patterns with the least amount of streaks in the associated boxes.
    Even if the patterns with the least amount of streaks are clicked in the preview window, their numbers are automatically entered in the associated boxes.
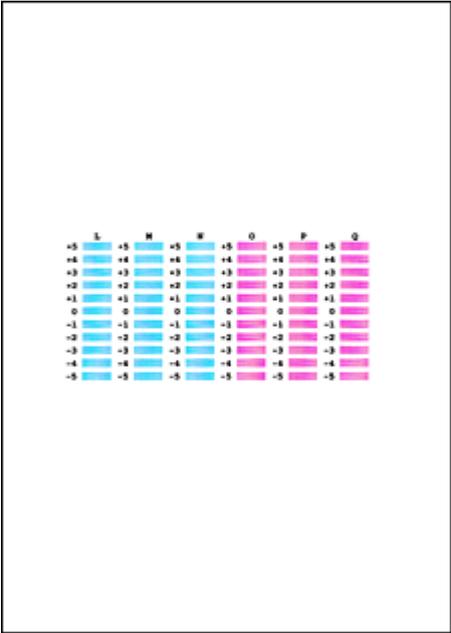
When you have entered all the necessary values, click **OK**.

> **Note**
> - If it is difficult to pick the best pattern, pick the setting that produces the least noticeable vertical streaks.
>
>
>
> (A) Least noticeable vertical streaks
> (B) Most noticeable vertical streaks

11. Confirm the displayed message and click **OK**

The third pattern is printed.

12. Check the printed pattern

Enter the numbers of the patterns with the least noticeable horizontal stripes in the associated boxes.
Even if the patterns with the least noticeable horizontal stripes are clicked in the preview window, their numbers are automatically entered in the associated boxes.
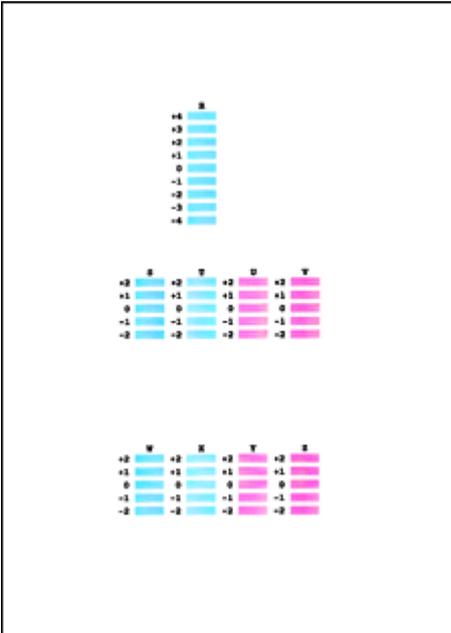
When you have entered all the necessary values, click **OK**.

Note

■ If it is difficult to pick the best pattern, pick the setting that produces the least noticeable horizontal stripes.

           (A)   **(B)**

(A) Least noticeable horizontal stripes
(B) Most noticeable horizontal stripes

Note

■ To print and check the current setting, open the **Start Print Head Alignment** dialog box, and click **Print Alignment Value**.

Use Your Computer to Print 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:

 Nozzle Check

1. **Open the printer driver setup window**

2. **Click Nozzle Check on the Maintenance tab**

   The **Nozzle Check** dialog box opens.
   Click **Initial Check Items** to display the items that you need to check before printing the nozzle check pattern.

3. **Load paper in the machine**

   Load one sheet of A4 size or Letter size plain paper into the front tray.

4. **Print a nozzle check pattern**

   Make sure that the machine is on and click **Print Check Pattern**.
   Printing of the nozzle check pattern begins.

   Click **OK** when the confirmation message appears.
   The **Pattern Check** dialog box opens.

5. **Check the print result**

   Check the print result. When the print result is normal, click **Exit**.

   If the print result is smudged or if there are any unprinted sections, click **Cleaning** to clean the print head.

Related Topic

  ● Cleaning the Print Heads from Your Computer

Cleaning Inside the Machine

Perform bottom plate cleaning before you execute duplex printing to prevent smudges on the back side of the paper.
Also perform bottom plate cleaning if ink smudges caused by something other than print data appear on the printed page.

For details on how to load paper into the machine, see "Cleaning the Inside of the Machine (Bottom Plate Cleaning)."

The procedure for performing bottom plate cleaning is as follows:

Bottom Plate Cleaning

1. **Open the printer driver setup window**

2. **Click Bottom Plate Cleaning on the Maintenance tab**

   The **Bottom Plate Cleaning** dialog box opens.

3. **Load paper in the machine**

   As instructed in the dialog box, fold the A4 size or Letter size plain paper in half horizontally, and then unfold the sheet.
   Fold one side of the paper in another half, aligning the edge with the center crease, then unfold the paper.
   With the ridges of the creases facing up, load the paper into the front tray, so that the edge of the half with no crease faces away from you.

4. **Perform the bottom plate cleaning**

   Make sure that the machine is on and then click **Execute**.
   Bottom plate cleaning starts.

Cleaning the Machine

Cleaning the Exterior of the Machine

Be sure to use a soft and dry cloth such as eyeglasses cleaning cloth and wipe off dirt on the surface gently. Smooth out wrinkles on the cloth if necessary before cleaning.

> **Important**
>
> - Be sure to turn off the power and disconnect the power plug before cleaning the machine.
>   - The power cannot be turned off while the machine is sending or receiving a fax, or when unsent faxes are stored in the machine's memory. Make sure if the machine completed sending or receiving all the faxes before disconnecting the power plug.
>   - The machine cannot send or receive faxes when the power is turned off.
>   - If the power plug is disconnected, the date/time settings will be reset and all documents stored in the machine's memory will be lost. Send or print a necessary document before disconnecting the power plug.
> - Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface. Be sure to use a soft and dry cloth.
> - Never use volatile liquids such as thinners, benzene, acetone, or any other chemical cleaner to clean the machine, as this may cause a malfunction or damage the surface of the machine.

Cleaning the Platen Glass and Document Cover

Important

- Be sure to turn off the power and disconnect the power plug before cleaning the machine.
  - The power cannot be turned off while the machine is sending or receiving a fax, or when unsent faxes are stored in the machine's memory. Make sure if the machine completed sending or receiving all the faxes before disconnecting the power plug.
  - The machine cannot send or receive faxes when the power is turned off.
  - If the power plug is disconnected, the date/time settings will be reset and all documents stored in the machine's memory will be lost. Send or print a necessary document before disconnecting the power plug.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface. Be sure to use a soft and dry cloth.
- Never use volatile liquids such as thinners, benzene, acetone, or any other chemical cleaner to clean the machine, as this may cause a malfunction or damage the surface of the machine.

With a soft, clean, lint-free and dry cloth, wipe the platen glass **(A)**, the inner side of the document cover (white sheet) **(B)**, the glass of the ADF (Auto Document Feeder) **(C)**, and the inner side of the ADF (white area) **(D)** gently. Make sure not to leave any residue, especially on the glass surface.

Important

- The inner side of the document cover (white sheet) **(B)** is easily damaged, so wipe it gently.
- If any foreign substances such as glue, ink or correction fluid are adhered to the glass of the ADF **(C)** as shown in the figure above, some black streaks will appear on the scanned image.
  In this case, wipe the dirt off gently.

Cleaning the ADF (Auto Document Feeder)
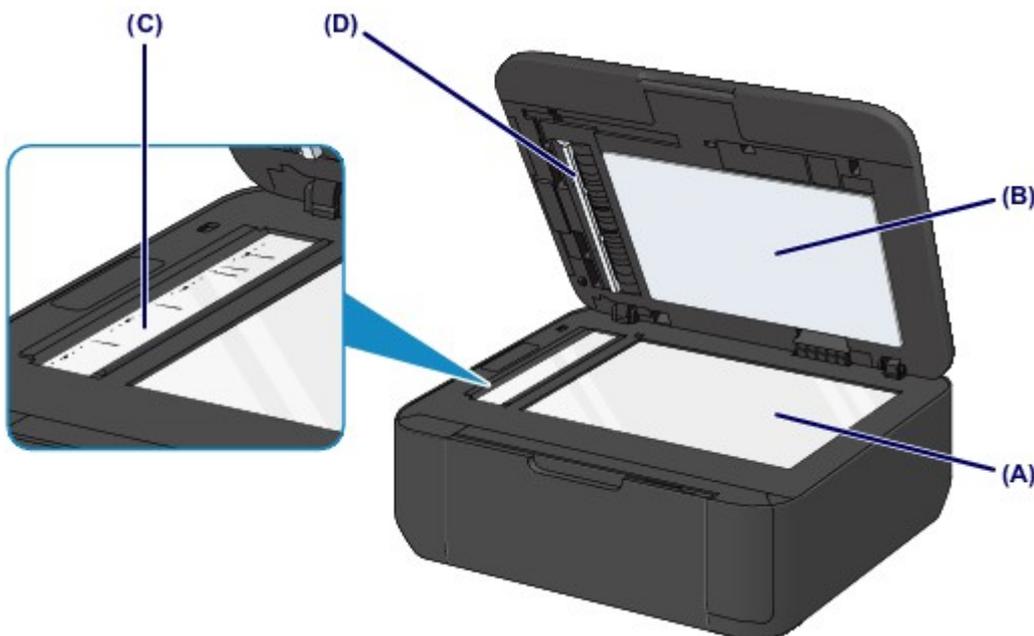
▶▶ Important

- Be sure to turn off the power and disconnect the power plug before cleaning the machine.
  - The power cannot be turned off while the machine is sending or receiving a fax, or when unsent faxes are stored in the machine's memory. Make sure if the machine completed sending or receiving all the faxes before disconnecting the power plug.
  - The machine cannot send or receive faxes when the power is turned off.
  - If the power plug is disconnected, the date/time settings will be reset and all documents stored in the machine's memory will be lost. Send or print a necessary document before disconnecting the power plug.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface. Be sure to use a soft and dry cloth.
- Never use volatile liquids such as thinners, benzene, acetone, or any other chemical cleaner to clean the machine, as this may cause a malfunction or damage the surface of the machine.

1. Open the document tray.
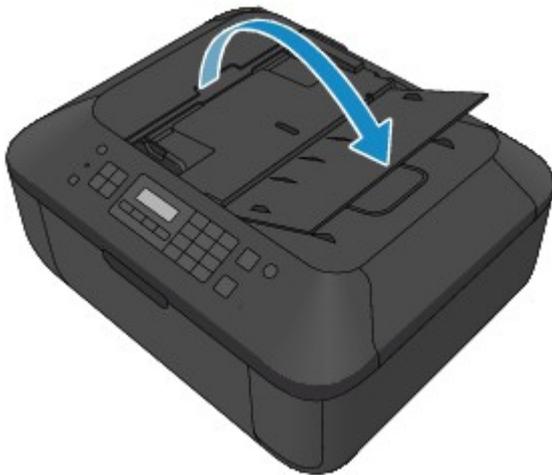
2. Open the document feeder cover.
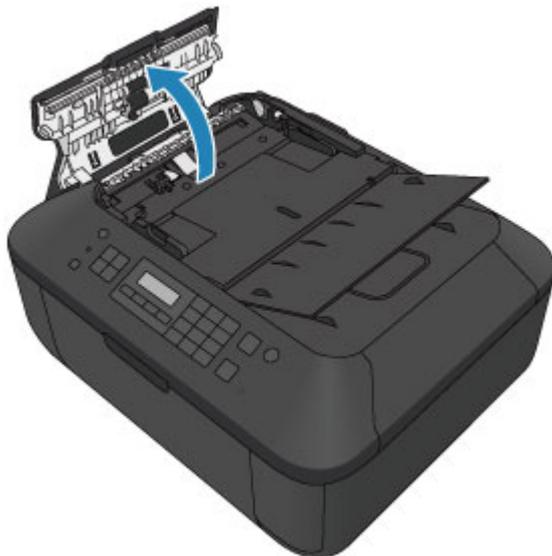
3. With a soft, clean, lint-free and dry cloth, wipe off any paper dust from the inside of the document feeder cover **(A)**.
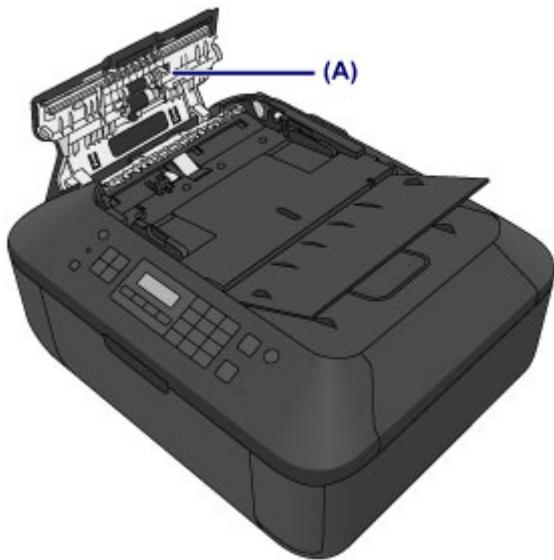
4. After wiping, close the document feeder cover by pushing it until it clicks into place.

5. Close the document tray.

Cleaning the Paper Feed Roller

If the paper feed roller is dirty or paper powder is attached to it, paper may not be fed properly.
In this case, clean the paper feed roller. Cleaning will wear out the paper feed roller, so perform this only when necessary.

You need to prepare: three sheets of A4 or Letter-sized plain paper

1. Make sure that the power is turned on and remove any paper from the front tray.

2. Open the paper output tray.

3. Clean the paper feed roller without paper.

    (1) Press the **Setup** button.
    The **Setup menu** screen will appear.

    (2) Use the ◄ or ► button to select **Maintenance**, then press the **OK** button.
    ➡LCD and Operation Panel

    (3) Use the ◄ or ► button to select **Roller cleaning**, then press the **OK** button.

    Maintenance
    ◄   Roller cleaning   ►
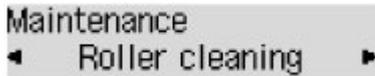
    The paper feed roller will rotate as it is cleaned.

4. Clean the paper feed roller with paper.

    (1) Make sure that the paper feed roller has stopped rotating, close the paper output tray, then load three or more sheets of A4 or Letter-sized plain paper in the front tray.

    (2) Open the output tray extension, open the paper output tray, then extend the paper output support.

    (3) Make sure that **Roller cleaning** is selected, then press the **OK** button.
    The machine starts cleaning. The cleaning will be complete when the paper is ejected.

> **Note**
> ■ To access other available functions, use the mode buttons.

If the problem is not resolved after cleaning the paper feed roller, contact the service center.

Cleaning the Inside of the Machine (Bottom Plate Cleaning)

Remove stains from the inside of the machine. If the inside of the machine becomes dirty, printed paper may get dirty, so we recommend performing cleaning regularly.

You need to prepare: a sheet of A4 or Letter-sized plain paper*

* Be sure to use a new piece of paper.

1. Make sure that the power is turned on and remove any paper from the front tray.

2. Prepare paper.

   (1) Fold a single sheet of A4 or Letter-sized plain paper in half widthwise, then unfold the paper.

   (2) Fold one side of the opened paper in another half, aligning the edge with the center crease, then unfold the paper.
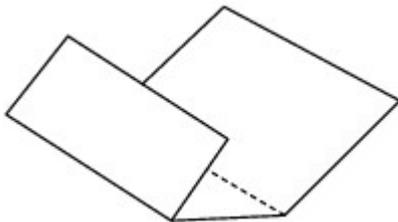
   (3) Load only this sheet of paper in the front tray with the ridges of the creases facing up and the edge of the half with no crease facing away from you.
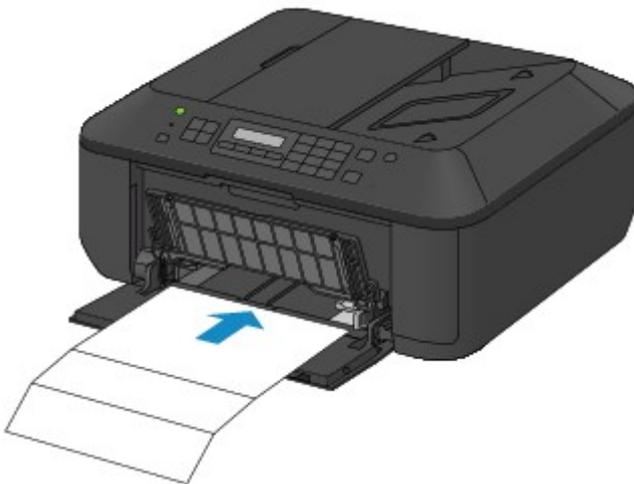
3. Open the output tray extension, open the paper output tray, then extend the paper output support.

4. Clean the inside of the machine.

   (1) Press the **Setup** button.
   The **Setup menu** screen will appear.

   (2) Use the ◀ or ▶ button to select **Maintenance**, then press the **OK** button.
   ➡ LCD and Operation Panel

   (3) Use the ◀ or ▶ button to select **Bottom cleaning**, then press the **OK** button.

   The paper cleans the inside of the machine as it feeds through the machine.

   Check the folded parts of the ejected paper. If they are smudged with ink, perform Bottom Plate Cleaning again.

If the problem is not resolved after performing cleaning again, the protrusions inside the machine may be stained. Clean them according to instructions.
➡ Cleaning the Protrusions inside the Machine

Note

- To access other available functions, use the mode buttons.
- When performing Bottom Plate Cleaning again, be sure to use a new piece of paper.

Cleaning the Protrusions inside the Machine

Important

- Be sure to turn off the power and disconnect the power plug before cleaning the machine.
  - The power cannot be turned off while the machine is sending or receiving a fax, or when unsent faxes are stored in the machine's memory. Make sure if the machine completed sending or receiving all the faxes before disconnecting the power plug.
  - The machine cannot send or receive faxes when the power is turned off.
  - If the power plug is disconnected, the date/time settings will be reset and all documents stored in the machine's memory will be lost. Send or print a necessary document before disconnecting the power plug.

You need to prepare: cotton swab

If the protrusions inside the machine are stained, wipe off any ink from the protrusions using a cotton swab or the like.
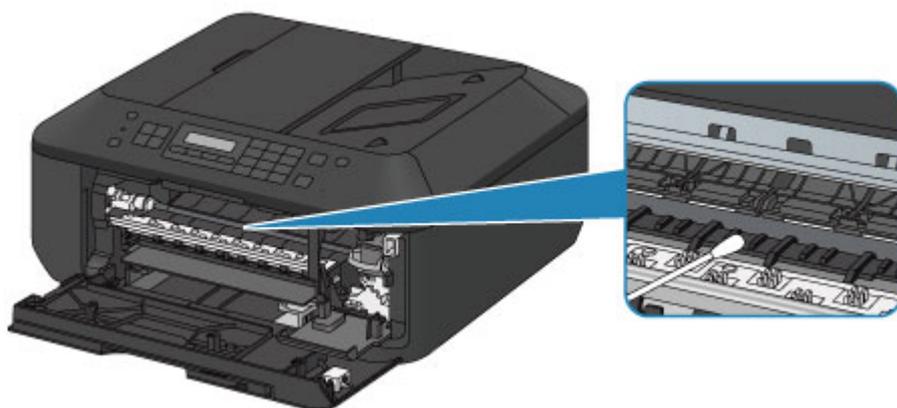
Changing the Machine Settings

- Changing Machine Settings from Your Computer
- Changing the Machine Settings on the LCD

Changing Machine Settings from Your Computer

Changing the Print Options

You can change the detailed print driver settings for print data that is sent from an application software.

Specify this option if you encounter print failures such as part of an image data being cut off.

The procedure for changing the print options is as follows:

1. Open the printer driver setup window

2. Click **Print Options...** on the **Page Setup** tab
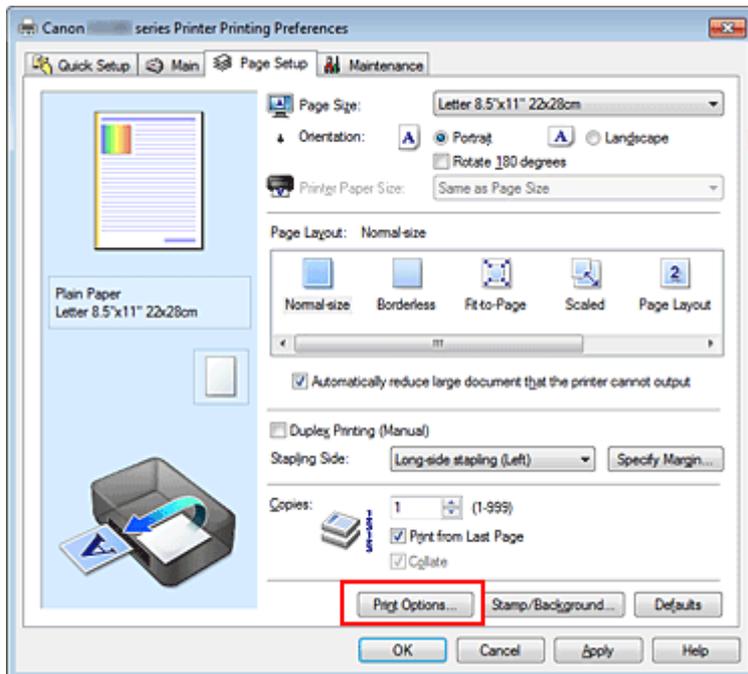
The **Print Options** dialog box opens.
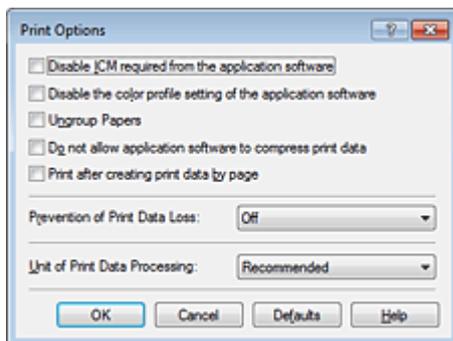
> **Note**
>
> ■ When you use the XPS printer driver, the functions available to you are different.

3. Change the individual settings

If necessary, change the setting of each item, and then click **OK**.

The **Page Setup** tab is displayed again.

Registering a Frequently Used Printing Profile

You can register the frequently used printing profile to **Commonly Used Settings** on the **Quick Setup** tab. 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

   From **Commonly Used Settings** on the **Quick Setup** tab, select the printing profile to be used and if necessary, change the settings after **Additional Features**.
   You can also register necessary items on the **Main** and **Page Setup** tabs.

3. Click **Save...**
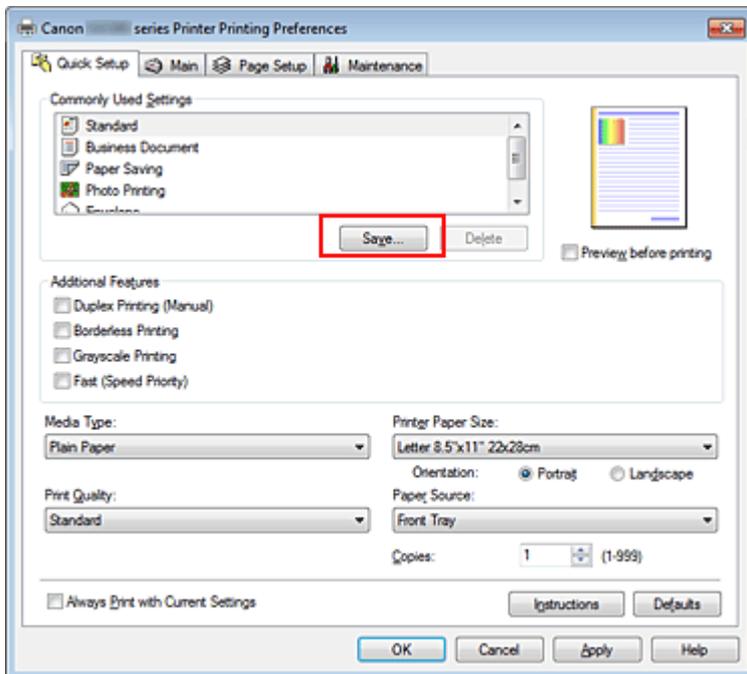
The **Save Commonly Used Settings** dialog box opens.
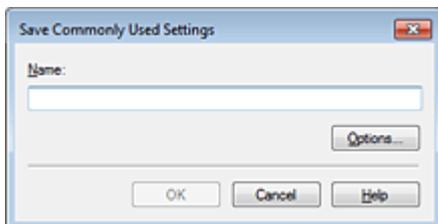
4. Save the settings

   Enter a name in the **Name** field. If necessary, click **Options...**, set the items, and then click **OK**.
   In the **Save Commonly Used Settings** dialog box, click **OK** to save the print settings and return to the **Quick Setup** tab.
   The name and icon are displayed in **Commonly Used Settings**.

   ### ▶▶ Important

   - To save the page size, orientation, and number of copies that was set in each sheet, click **Options...**, and check each item.

> **Note**
>
> - When you install the printer driver again or upgrade the version of the printer driver, the print settings you registered will be deleted from **Commonly Used Settings**.
> Registered print settings cannot be saved and preserved. If a profile is deleted, register the print settings again.

Deleting Unnecessary Printing Profile

1. **Select the printing profile to be deleted**

   Select the printing profile you want to delete from the **Commonly Used Settings** list on the **Quick Setup** tab.

2. **Delete the printing profile**

   Click **Delete**. When the confirmation message appears, click **OK**.
   The selected printing profile is deleted from the **Commonly Used Settings** list.

   > **Note**
   >
   > - Printing profiles that are registered in the initial settings cannot be deleted.

Setting the Ink Cartridge to be Used

This feature enables you to specify the most appropriate FINE cartridge among installed cartridges according to an intended use.
When one of the FINE cartridges becomes empty and cannot be replaced immediately by a new one, you can specify the other FINE cartridge that still has ink and continue printing.

The procedure for specifying the FINE cartridge is as follows:

Ink Cartridge Settings

1. **Open the printer driver setup window**

2. **Click Ink Cartridge Settings on the Maintenance tab**

   The **Ink Cartridge Settings** dialog box appears.

3. **Select the FINE cartridge to be used**

   Select the FINE cartridge to be used for printing and click **OK**.
   The specified FINE cartridge will be used from the next printing.

⏩ Important

- When the following settings are specified, **Black Only** does not function because the machine uses the color FINE cartridge to print documents.
    - Other than **Plain Paper**, **Envelope**, **Hagaki A**, or **Hagaki** is selected for **Media Type** on the **Main** tab
    - **Borderless** is selected from the **Page Layout** list on the **Page Setup** tab
- Do not detach the FINE cartridge that is not in use. Printing cannot be performed while either FINE cartridge is detached.

Managing the Machine Power

This function allows you to manage the machine power from the printer driver.

The procedure for managing the machine power is as follows:

Power Off

The **Power Off** function turns off the machine. When you use this function, you will not be able to turn the machine on from the printer driver.

1. **Open the printer driver setup window**

2. **Execute power off**

   Click **Power Off** on the **Maintenance** tab. When the confirmation message appears, click **OK**.

   The machine power switches off, and the **Maintenance** tab is displayed again.

   Important
   - You cannot receive faxes when the machine is switched off.

Reducing the Machine Noise

The silent function allows you to reduce the operating noise of this machine. Select when you wish to reduce the operating noise of the printer at night, etc.
Using this function may lower the print speed.

The procedure for using the quiet mode is as follows:

Quiet Settings

1. **Open the printer driver setup window**

2. **Click Quiet Settings on the Maintenance tab**

   The **Quiet Settings** dialog box opens.

   > **Note**
   >
   > ■ If the machine is off or if communication between the machine and the computer is disabled, an error message may appear because the computer cannot collect the machine status.

3. **Set the quiet mode**

   If necessary, specify one of the following items:

   Do not use quiet mode
   Select this option when you wish to use the machine with volume of normal operating noise.

   Always use quiet mode
   Select this option when you wish to reduce the operating noise of the machine.

   Use quiet mode during specified hours
   Select this option when you wish to reduce the operating noise of the machine during a specified period of time.
   Set the **Start time** and the **End time** of the quiet mode you wish to be activated. If both are set to the same time, the quiet mode will not function.

   > **Important**
   >
   > ■ You can set the quiet mode from the operation panel of the machine, the printer driver, or ScanGear (scanner driver).
   > No matter how you use to set the quiet mode, the mode is applied when you perform operations from the operation panel of the machine or printing and scanning from the computer.

4. **Apply the settings**

   Make sure that the machine is on and click **OK**.
   Click **OK** when the confirmation message appears.

   The settings are enabled hereafter.

> **Note**
>
> ■ The effects of the quiet mode may be less depending on the print quality settings.

Changing the Machine Operation Mode

If necessary, switch between various modes of machine operation.

The procedure for configuring **Custom Settings** is as follows:

Custom Settings

1. Open the printer driver setup window

2. Make sure that the machine is on, and then click **Custom Settings** on the **Maintenance** tab

   The **Custom Settings** dialog box opens.

   >>> **Note**
   > - If the machine is off or if communication between the machine and the computer is disabled, an error message may appear because the computer cannot collect the machine status.
   >   If this happens, click **OK** to display the most recent settings specified on your computer.

3. If necessary, complete the following settings:

   Prevent paper abrasion
   The machine can increase the gap between the print head and the paper during high-density printing to prevent paper abrasion.
   Check this check box to prevent paper abrasion.

   Align heads manually
   Usually, the **Print Head Alignment** function on the **Maintenance** tab is set to automatic head alignment, but you can change it to manual head alignment.
   If the printing results are unsatisfactory even after you execute automatic head alignment, see "Aligning the Print Head Position from Your Computer," and execute manual head alignment.
   Check this check box to perform the manual head alignment. Uncheck this check box to perform the automatic head alignment.

   Prevent paper double-feed
   Select this check box only if the machine is feeding multiple sheets of plain paper at the same time.

   >>> **Important**
   > - Using this function slows down the print speed.

   Rotate 90 degrees left when orientation is [Landscape]
   On the **Page Setup** tab, you can change the rotation direction of the **Landscape** in the **Orientation**.
   To rotate the print data 90 degrees to the left during printing, select this item. To rotate the print data 90 degrees to the right during printing, clear this item.

   >>> **Important**
   > - Do not change this setting while the print job is displayed in the print wait list. Otherwise, characters may be omitted or the layout may become corrupt.

   Ink Drying Wait Time
   You can set the length of the machine rest time until printing of the next page begins. Moving the slider to the right increases the pause time, and moving the slider to the left decreases the time.
   If the paper gets stained because the next page is ejected before the ink on the printed page dries, increase the ink drying wait time.
   Reducing the ink drying wait time speeds up printing.

4. Apply the settings

   Click **OK** and when the confirmation message appears, click **OK**.

   The machine operates with the modified settings hereafter.

Changing the Machine Settings on the LCD

Changing the Machine Settings on the LCD

This section describes the procedure to change the settings in the **Device settings** screen, taking the steps to specify **Extended copy amt.** as an example.

Note

- The * (asterisk) on the LCD indicates the current setting.

1. Make sure that the machine is turned on.
   ➡Confirming that the Power Is On

2. Press the **Setup** button.

   The **Setup menu** screen is displayed.

3. Use the ◄► button to select **Device settings**, then press the **OK** button.

   When you change the fax settings, press the **Setup** button, then select **Fax settings**.

4. Use the ◄► button to select **Print settings**, then press the **OK** button.

   Device settings
       Print settings   ►
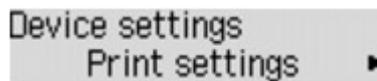
5. Use the ◄► button to select **Extended copy amt.**, then press the **OK** button.

   Print settings
   ◄ Extended copy amt. ►
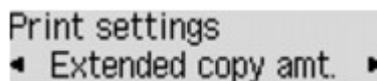
6. Use the ◄► button to select a setting item, then press the **OK** button.

   Extended copy amt.
       *Amount: Small   ►
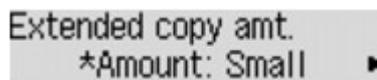
For details on each setting item:
➡Fax settings
➡Print settings
➡Dev. user settings
➡Reset setting

Fax settings

This section describes the setting items in **Fax settings**.

➡**Easy setup**
➡**TEL no. registration**
➡**FAX user settings**
➡**Adv. FAX settings**
➡**Auto print settings**
➡**Security control**

>>> **Note**

- Before changing the settings, you can confirm the current settings by printing USER'S DATA LIST.
  ➡Summary of Reports and Lists

Easy setup

The machine must be set up depending on your telephone line and use of the faxing function. Follow the procedure according to the instructions on the LCD.

>>> **Note**

- You can specify the setup setting individually or the advanced setting.
  For details on how to specify the setting:
  ➡Preparing for Faxing

TEL no. registration

You can register the recipient's fax/telephone number to the machine.

➡Registering Recipients Using the Operation Panel of the Machine

FAX user settings

- **Unit TEL no. registr.**

  Registers your fax/telephone number printed on sent faxes.

  ➡Registering User Information

- **Unit name registr.**

  Registers your name printed on sent faxes.

  ➡Registering User Information

- **Telephone line type**

  Selects the telephone line type setting for the machine.

  ➡Setting the Telephone Line Type

  >>> **Note**

  - This setting may not be available depending on the country or region of purchase.

Adv. FAX settings

- **Auto redial**

  Enables/disables automatic redialing.

  If you select **ON**, you can specify the maximum number of redial attempts and the length of time the machine waits between redial attempts.

- **Dial tone detect**

  Avoids mistransmission when reception and transmission occur at the same time.

  If you select **ON**, the machine transmits the fax after confirming the dial tone.

> **Note**
> - This setting may not be available depending on the country or region of purchase.

- **Pause time settings**

  Sets the length of pause time for each when you enter "P" (pause).

- **TTI position**

  Selects the position of the sender information (outside or inside the image area).

- **Remote RX**

  Enables/disables remote reception.

  If you select **ON**, you can specify the remote reception ID.

  ➡Remote Reception

- **Color transmission**

  When faxing color documents using the ADF, selects whether to convert them into black & white data if the recipient's fax machine does not support color faxing.

  If you select **If incompatible, end**, the machine does not send color documents when the recipient's fax machine does not support color faxing.

- **RX image reduction**

  Enables/disables automatic reduction of incoming faxes so that they fit in the selected paper.

  If you select **ON**, you can select the image reduction direction.

- **Adv. communication**

  - **ECM TX**
    Selects whether to send faxes in Error Correction Mode (ECM).
    ➡Transmission/Reception of Faxes Using ECM
  - **ECM RX**
    Selects whether to receive faxes in Error Correction Mode (ECM).
    ➡Transmission/Reception of Faxes Using ECM
  - **TX start speed**
    Selects the fax transmission speed.
    Ex:
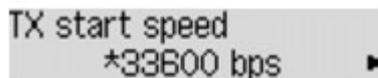
    TX start speed
      *33600 bps   ▶

    The following settings are available.
    33600 bps/14400 bps/9600 bps/4800 bps
    The * (asterisk) on the LCD indicates the current setting.
    The fax transmission start speed will be faster as the value is bigger.
    Some of settings are not available depending on the country or region of purchase.
    When the telephone line condition or connection is poor, selecting a lower transmission start speed may solve transmission problems.
  - **RX start speed**
    Selects the fax reception speed.
    Ex:
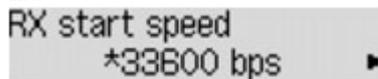
    RX start speed
      *33600 bps   ▶

    The following settings are available.
    33600 bps/14400 bps/9600 bps/4800 bps
    The * (asterisk) on the LCD indicates the current setting.
    The fax reception start speed will be faster as the value is bigger.
    Some of settings are not available depending on the country or region of purchase.
    When the telephone line condition or connection is poor, selecting a lower reception start speed may solve reception problems.

Auto print settings

- **Received documents**

  Selects whether to print the received fax automatically when receiving a fax.

If you select **Do not print**, the received fax is stored in the machine's memory.

For details on the received fax stored in the machine's memory:

➡Document Stored in Machine's Memory

• **Activity report**

Selects whether to print ACTIVITY REPORT automatically.

If you select **Print**, the machine prints ACTIVITY REPORT for the 20 histories of sent and received faxes automatically.

For details on the procedure to print ACTIVITY REPORT manually:

➡Summary of Reports and Lists

• **TX report**

Selects whether to print TX REPORT/ERROR TX REPORT automatically after sending a fax.

If you print the report, select **Print error only** or **Print for each TX**.

If you select **Print error only** or **Print for each TX**, you can specify the print setting that the first page of the fax is printed along with the report.

• **RX report**

Selects whether to print RX REPORT automatically after receiving a fax.

If you print RX REPORT, select **Print error only** or **Print for each RX**.

• **Print when no ink**

Sets whether to continue printing the received fax without storing it in the machine's memory when the ink has run out.

However, part or all of the fax may not be printed since the ink has run out.

Security control

• **FAX no. re-entry**

If you select **ON**, you can set the machine to send faxes after using the Numeric buttons to enter the number twice. By using this setting, you can avoid the mistransmission of faxes.

• **Check RX FAX info**

If you select **ON**, the machine checks whether the recipient's fax machine information matches the dialed number. If it matches the number, the machine starts to send faxes.

➡Preventing Mistransmission of Faxes

• **On-hook setting**

If you select **Enable**, you can use the on hook function.

• **FAX RX reject**

If you select **ON**, the machine rejects the reception of faxes with no sender information or faxes from specific senders.

➡Rejecting Fax Reception

• **Caller rejection**

If you subscribe to the Caller ID service, the machine detects the sender's Caller ID. If the sender's ID matches the condition specified in this setting, the machine rejects the phone call or fax reception from the sender.

If you select **Subscribed**, you can specify the settings of rejection.

➡Using the Caller ID Service to Reject Calls

Note

■ This setting may not be supported depending on the country or region of purchase. Contact your telephone company to confirm whether it provides this service.

Print settings

- **Prevent abrasion**

  Use this setting only if the print surface becomes smudged.

  > **Important**
  >
  > - Be sure to set this back to **OFF** after printing since it may result in lower printing speed or lower print quality.

- **Extended copy amt.**

  Selects the amount of image that extends off the paper when copying in Borderless (full).

  Slight cropping may occur at the edges since the copied image is enlarged to fill the whole page. You can change the width to be cropped from the borders of the original image as needed.

  Cropped area will be larger if **Amount: Large** is selected.

  > **Note**
  >
  > - If printouts contain margins even though you are copying in Borderless, specifying **Amount: Large** for this setting may help solve the problem.

- **Prevent double-feed**

  Select **ON** to prevent double-feed of plain paper.

  > **Important**
  >
  > - Select **ON** only when double-feed of plain paper occurs.

Dev. user settings

- **Date/time setting**

  Sets the current date and time.

  ➡Setting the Sender Information

- **Date display format**

  Sets the format of dates displayed on the LCD and printed on sent faxes and photos.

- **Summer time setting**

  Enables/disables the summer time setting. If you select **ON**, you can select additional sub-settings. This setting may not be available depending on the country or region of purchase.

  - **Start date/time**
    Sets the date and time that summer time starts.
    Set month: Specify the month.
    Set week: Specify the week.
    Set day of week: Specify the day of the week.
    Set shift time: Specify the hour (24-hour clock).
  - **End date/time**
    Sets the date and time that summer time ends.
    Set month: Specify the month.
    Set week: Specify the week.
    Set day of week: Specify the day of the week.
    Set shift time: Specify the hour (24-hour clock).

- **Sound control**

  Selects the volume.

  - **Keypad volume**
    Selects the beep volume when pressing the buttons on the operation panel.
  - **Alarm volume**
    Selects the alarm volume.
  - **Line monitor volume**
    Selects the line monitor volume.
  - **Offhook alarm**
    Selects the alarm volume when the phone receiver is not put on the hook properly.

- **Country or region**

  Selects the country or region where you are using the machine.

  >>> Note

  ▪ This setting may not be available depending on the country or region of purchase.

- **Language selection**

  Changes the language for LCD messages and menus.

  Japanese / English / German / French / Italian / Spanish / Dutch / Portuguese / Norwegian / Swedish / Danish / Finnish / Russian / Ukrainian / Polish / Czech / Slovak / Hungarian /Slovene / Romanian / Bulgarian / Turkish / Greek / Estonian / Latvian / Lithuanian / Simplified Chinese / Traditional Chinese / Korean / Indonesian

- **Key repeat**

  Enables/Disables continuous input by pressing and holding down the ◀▶ button when setting the number of copies, the zoom ratio, etc.

Reset setting

Reverts all settings you made to the machine back to default. However, some data may not be changed, depending on the current usage state of your machine.

- ## Telephone no. data

  Reverts the telephone/fax number settings to default.

- ## Setting data

  Reverts the machine settings other than the telephone number settings to default.

- ## All data

  Reverts all settings you made to the machine back to default.

▶▶ Note

- You cannot change the following setting items back to the default:
  - The language displayed on the LCD
  - The current position of the print head
  - The country selected for **Country or region**
  - The registered user's telephone number
  - The registered user's name

About Quiet setting

Enables this function on the machine if you want to reduce the operating noise, such as when printing at night. In addition, you can specify the time range to reduce the operating noise.

>>> **Important**

■ Set the current date and time in advance.

➡ Setting the Sender Information

Follow the procedure below to perform setting.

1. Make sure that the machine is turned on.

   ➡ Confirming that the Power Is On

2. Press the **Setup** button.

   The **Setup menu** screen is displayed.

3. Use the ◀▶ button to select **Quiet setting** then press the **OK** button.

4. Use the ◀▶ button to select **ON** or **Use in specified hrs**, then press the **OK** button.

   • When **ON** is selected:
     The LCD returns to the **Setup menu** screen.

   • When **Use in specified hrs** is selected:
     The screen to specify starting/ending time is displayed. Use the ◀▶ button to move the cursor under the desired position, then use the Numeric buttons to enter the time.

   ```
   Start time          21:00
   End time            07:00
   ```

   Press the **OK** button, then the LCD returns to the **Setup menu**.

   Activate this setting to reduce the operating noise while printing is in progress.

   >>> **Important**

   ■ Operating speed may be reduced compared to when **OFF** is selected.
     This function may not be so effective depending on the machine's setting. Furthermore, certain noise, such as when the machine is preparing for printing, is not reduced.

   >>> **Note**

   ■ You can set the quiet mode from the operation panel of the machine, the printer driver, or ScanGear (scanner driver). No matter how you use to set the quiet mode, the mode is applied when you perform operations from the operation panel of the machine or printing and scanning from the computer.

Tips for Ensuring Optimal Printing Quality

Useful Information about Ink

How is ink used for various purposes other than printing?

Ink may be used for purposes other than printing. Ink is not only used for printing, but also for cleaning the print head to maintain the optimal printing quality.

The machine has the function to automatically clean the ink jet nozzles to prevent clogging. In the cleaning procedure, ink is pumped out from the nozzles. Used ink for nozzle cleaning is limited to a small amount.

Does black-and-white printing use color ink?

Black-and-white printing may use ink other than black ink depending on the type of printing paper or the settings of the printer driver. So, color ink is consumed even when printing in black-and-white.

Key Points to Successful Printing

Check the machine status before printing!

● Is the print head OK?

If a print head nozzle is clogged, print will be faint and papers will be wasted. Print the nozzle check pattern to check the print head.
➡Maintenance Procedure

● Is the inside of the machine smeared with ink?

After printing large quantities of paper or performing borderless printing, the area where papers go through may get smeared with ink. Clean the inside of your machine with Bottom Plate Cleaning.
➡Cleaning the Inside of the Machine (Bottom Plate Cleaning)

Check how to load the paper correctly!

● Is the paper loaded in the correct orientation?

To load paper in the front tray, load paper WITH THE PRINTING SIDE FACING DOWN.
➡Loading Paper
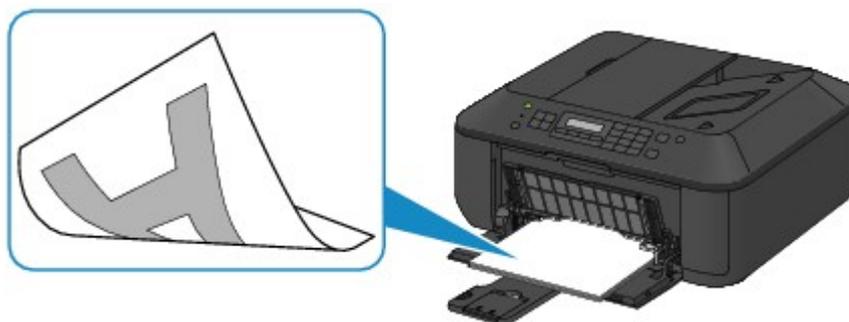
● Is the paper curled?

The curled paper causes paper jam. Flatten the curled paper, then reload it.
➡"Load the paper after correcting its curl." in Paper Is Smudged/Printed Surface Is Scratched

Be Sure to Make Paper Settings after Loading Paper

If the media type setting is not the one for the loaded paper, printing results may not be satisfactory. After loading paper, be sure to select the appropriate media type setting for the loaded paper.
➡ Print Results Not Satisfactory

There are various types of paper: paper with special coating on the surface for printing photos with optimal quality and paper suitable for documents.
Each media type has specific preset settings, such as how ink is used and sprayed, distance from nozzles, etc., so that you can print on that type with optimal image quality.
This allows you to print with the settings best suited for the loaded media type just by selecting that media type.

Canceling a Print Job

Never press the ON button!

If you press the **ON** button while printing is in progress, the print data sent from the computer queues in the machine and you may not be able to continue to print.

Press the **Stop** button to cancel printing.

Key to Enjoying Consistent Printing Quality

The key to printing with the optimal printing quality is to prevent the print head from drying or clogging. Always observe the following rules for optimal printing quality.

Never disconnect the power plug until the power is turned off!

If you press the **ON** button to turn off the power, the machine caps the print head (nozzles) automatically to prevent from drying. If you disconnect the power plug from the wall outlet before the **POWER** lamp is turned off, the print head will not be capped properly and this will cause drying or clogging.
When disconnecting the power plug, make sure that the **POWER** lamp is not lit.
➡Notice for Unplugging the Power Cord

Important

■ If the power plug is disconnected, the date/time settings will be reset and all documents stored in the machine's memory will be lost. Send or print a necessary document before disconnecting the power plug.

Print periodically!

Just as the tip of a felt pen becomes dry and unusable if it has not been used for a long time, even if it is capped, the print head too, may become dried or clogged if the machine has not been used for a long time.
We recommend you to use the machine at least once a month.

Note

■ Depending on the type of paper, ink may blur if you trace the printed area with a highlight pen or paint-stick, or bleed if water or sweat comes in contact with the printed area.

Precautions for Safe Transport of the Machine

When relocating the machine, make sure of the following.

>> **Important**

When sending the machine for repair
- Pack the machine in a sturdy box so that it is placed with its bottom facing down, using sufficient protective material to ensure safe transport.
- With the FINE cartridge left installed in the machine, press the **ON** button to turn off the power. This allows the machine to automatically cap the print head, thus preventing it from drying.
- After packing, do not tilt the box containing the machine or turn it on its side or upside down. Doing so may cause the ink to leak during transport and cause damage to the machine.
- When a shipping agent is handling transport of the machine, have its box marked "THIS SIDE UP" to keep the machine with its bottom facing down. Mark also with "FRAGILE" or "HANDLE WITH CARE".
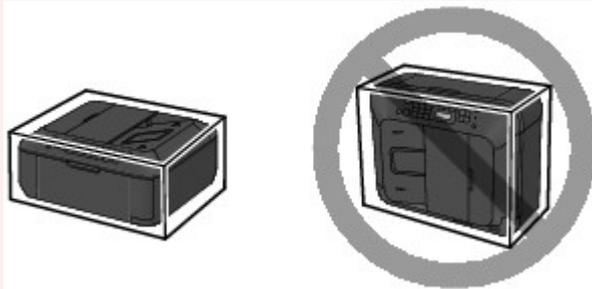
1. Turn the machine off.

2. Confirm that the **POWER** lamp is off and unplug the machine.

   ➡ Notice for Unplugging the Power Cord

   >> **Important**

   - Do not unplug the machine while the **POWER** lamp is lit or flashing green, as it may cause malfunction or damage to the machine, making the machine unable to print.

3. Retract the paper output support, then close the paper output tray. Retract the paper support with the output tray extension closed.

4. Close the front cover.

5. Disconnect the printer cable from the computer and from the machine, then disconnect the power plug from the machine.

6. Use adhesive tape to secure all the covers on the machine to keep them from opening during transportation. Then pack the machine in the plastic bag.

7. Attach the protective material to the machine when packing the machine in the box.

Legal Limitations on Use of Your Product and Use of Images

It may be unlawful to make copies of, scan, print, or use reproductions of the following documents.
The list provided is non-exhaustive. When in doubt, check with a legal representative in your jurisdiction.

- Paper money
- Money orders
- Certificates of deposit
- Postage stamps (canceled or uncanceled)
- Identifying badges or insignias
- Selective service or draft papers
- Checks or drafts issued by governmental agencies
- Motor vehicle licenses and certificates of title
- Traveler's checks
- Food stamps
- Passports
- Immigration papers
- Internal revenue stamps (canceled or uncanceled)
- Bonds or other certificates of indebtedness
- Stock certificates
- Copyrighted works/works of art without permission of copyright owner

Specifications

General Specifications

Printing resolution (dpi)	4800* (horizontal) x 1200 (vertical) * Ink droplets can be placed with a pitch of 1/4800 inch at minimum.
Interface	**USB Port:** Hi-Speed USB * * A computer that complies with Hi-Speed USB standard is required. Since the Hi-Speed USB interface is fully upwardly compatible with USB 1.1, it can be used at USB 1.1.
Print width	8 inches/203.2 mm (for Borderless Printing: 8.5 inches/216 mm)
Operating environment	**Temperature:** 5 to 35 °C (41 to 95 °F) **Humidity:** 10 to 90 % RH (no condensation)
Storage environment	**Temperature:** 0 to 40 °C (32 to 104 °F) **Humidity:** 5 to 95 % RH (no condensation)
Power supply	AC 100-240 V, 50/60 Hz
Power consumption	**Printing (Copy):** Approx. 20 W **Standby (minimum):** Approx. 1.1 W *1*2 **OFF:** Approx. 0.3 W *1 *1 USB connection to PC *2 The wait time for standby cannot be changed.
External dimensions	Approx. 18.1 (W) x 15.2 (D) x 7.9 (H) inches Approx. 458 (W) x 385 (D) x 200 (H) mm * With the Front Cover retracted.
Weight	Approx. 8.4 kg (Approx. 18.4 lb) * With the FINE Cartridges installed.
Canon FINE Cartridge	Total 1792 nozzles (BK 640 nozzles, C/M/Y each 384 nozzles)
ADF capacity	**A4 or Letter size:** max. 30 sheets (20 lb/75 g /m^2 paper), up to 0.16 inches/4 mm in height **Legal size:** max. 5 sheets (20 lb/75 g /m^2 paper), up to 0.04 inches/1 mm in height **Other sizes:** 1 sheet

Copy Specifications

Multiple copy	max. 99 pages
Intensity adjustment	9 positions, Auto intensity (AE copy)
Reduction/Enlargement	25 % - 400 % (1 % unit)

Scan Specifications

Scanner driver	TWAIN 1.9 Specification/WIA (for Windows 8/Windows 7/Windows Vista/Windows XP)
Maximum scanning size	**Platen Glass:** A4/Letter, 8.5" x 11.7"/216 x 297 mm **ADF:** A4/Letter/Legal, 8.5" x 14.0"/216 x 356 mm
Scanning resolution	**Optical resolution (horizontal x vertical) max:** 1200 x 2400 dpi *1 **Interpolated resolution max:** 19200 x 19200 dpi *2 *1 Optical Resolution represents the maximum sampling rate based on ISO 14473. *2 Increasing the scanning resolution will limit the maximum possible scanning area.

Gradation (Input/Output)	**Gray:** 16 bit/8 bit **Color:** 48 bit/24 bit (RGB each 16 bit/8 bit)

Fax Specifications

Applicable line	Public Switched Telephone Network (PSTN)
Communication mode	Super G3, G3
Data compressing system	**Black:** MH, MR, MMR **Color:** JPEG
Modem speed	max. 33.6 kbps (Automatic fallback)
Transmission speed	**Black:** Approx. 3 seconds/page at 33.6 kbps (Based on ITU-T No.1 chart for US specifications and Canon FAX Standard chart No.1 for others, both in standard mode.) **Color:** Approx. 1 minute/page at 33.6 kbps (Based on Canon COLOR FAX TEST SHEET.)
Gradation	**Black:** 256 levels **Color:** 24 bit Full Color (RGB each 8 bit)
Density adjustment	3 levels
Memory	**Transmission/reception:** approx. 50 pages (Based on ITU-T No.1 chart for US specifications and Canon FAX Standard chart No.1 for others, both in standard mode.)
Fax resolution	**Black Standard:** 203 pels/inch x 98 lines/inch (8 pels/mm x 3.85 lines/mm) **Black Fine, Photo:** 203 pels/inch x 196 lines/inch (8 pels/mm x 7.70 lines/mm) **Black Extra fine:** 300 x 300 dpi **Color:** 200 x 200 dpi
Dialing	Automatic dialing - Memory dial (max. 20 destinations) - Group dial (max. 19 destinations) Regular dialing (with Numeric buttons) Automatic redialing Manual redialing (max. 10 destinations)
Others	Activity report (after every 20 transactions) Sequential broadcasting (max. 21 destinations) Rejected numbers (max. 10 destinations)

Minimum System Requirements

Conform to the operating system's requirements when higher than those given here.

Windows

Operating System	Windows 8 Windows 7, Windows 7 SP1 Windows Vista SP1, Vista SP2 Windows XP SP3 32-bit only Refer to the Canon web site for details on operation with Windows RT.
Browser	Internet Explorer 8 or later
Hard Disk Space	3 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.

CD-ROM Drive	Required
Display	XGA 1024 x 768

Mac OS

Operating System	Mac OS X v10.6.8 or later
Browser	Safari 5 or later
Hard Disk Space	1.5 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.
CD-ROM Drive	Required
Display	XGA 1024 x 768

- Windows: Operation can only be guaranteed on a computer with Windows 8, Windows 7, Windows Vista or Windows XP pre-installed.
- Windows: Internet Explorer 7, 8 or 9 is required to install Easy-WebPrint EX.
  Easy-WebPrint EX for Internet Explorer 9 can be downloaded from the Canon web site.
- Windows: Some functions may not be available with Windows Media Center.
- Windows: .NET Framework 4 or 4.5 must be installed to use the Windows software.
- Windows: XPS Essentials Pack is required to print on Windows XP.
- Mac OS: Hard Disk must be formatted as Mac OS Extended (Journaled) or Mac OS Extended.
- Mac OS: For Mac OS, an internet connection is required during software installation.
- Windows: The TWAIN driver (ScanGear) is based on the TWAIN 1.9 Specification and requires the Data Source Manager bundled with the operating system.

Specifications are subject to change without notice.