



Office All-In-One

PIXMA MX870 series

# Getting Started Read Me First





Make sure to read this manual before using the machine. Please keep it in hand for future reference.

- Symbols Used in This Document

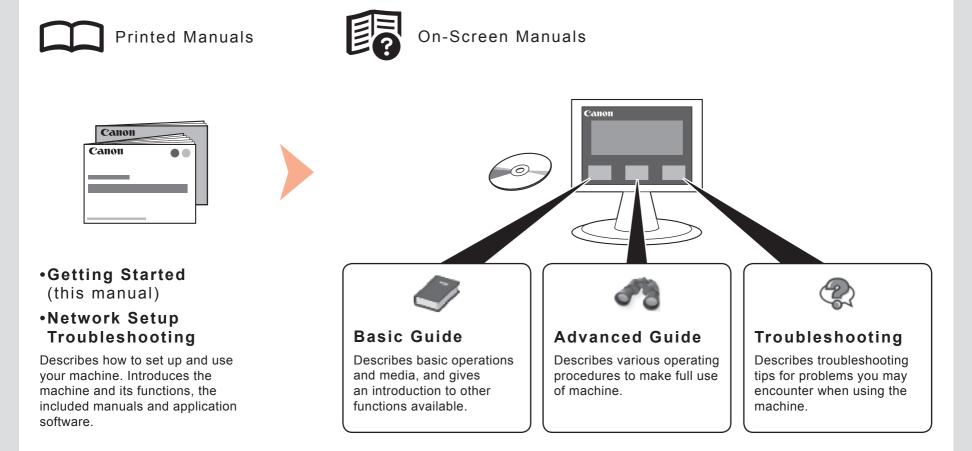
Prohibited actions.

- Instructions including important information.
- Informational notes.
- Operations that take some time to complete.
- Windows Indicates operations in Windows.
- Macintosh Indicates operations in Macintosh.

In this guide, Windows 7 operating system is referred to as Windows 7 and Windows Vista operating system as Windows Vista.

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- Macintosh, Mac, and AirPort are trademarks of Apple Inc., registered in the U.S. and other countries.
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This machine contains both printed manuals and on-screen manuals to be viewed on a computer. The on-screen manuals are included on the **Setup CD-ROM** and are installed during the software installation.



For details on opening the on-screen manuals, refer to page 57.

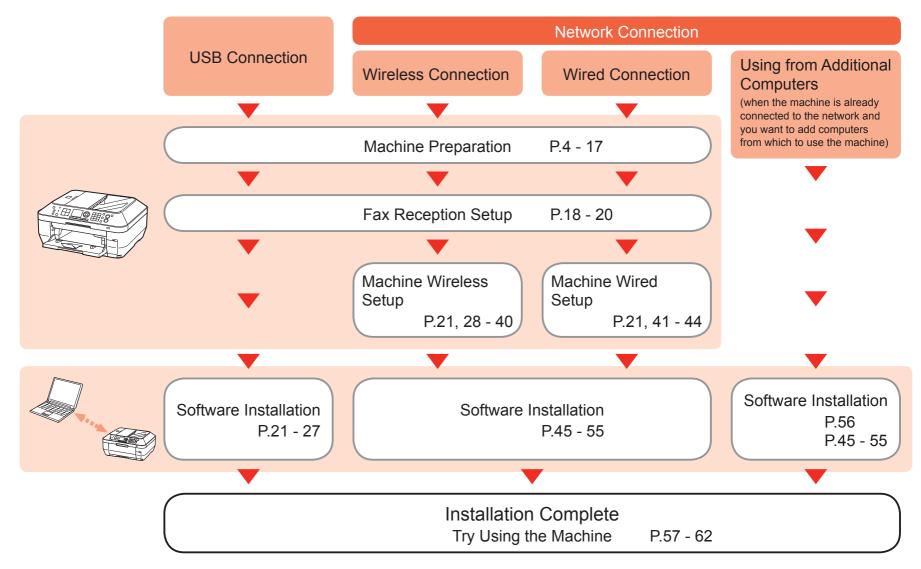
1

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	Install the Software

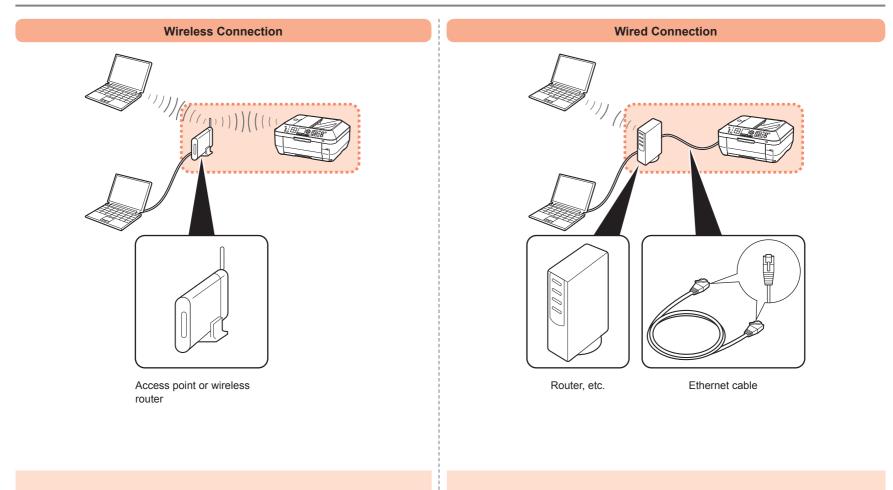
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# Machine Installation Flow



# Devices Required for Wireless/Wired Connection

When using the machine over a wireless/wired connection, the following devices are required depending on the connection method.



A commercial access point or router that supports IEEE802.11b/g is required.

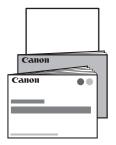
A commercial network device (router, etc.) and Ethernet cable are required.

- Preparation
- Remove all orange tape and 1 protective materials from the inside and outside of the machine.
  - The Print Head is placed inside of
- 2 the Paper Output Tray (A). Open the Paper Output Tray and take it out.

Check that all the items shown below are included in the box.



Ink tanks (5: BK, M, Y, PGBK, C)



Manuals Other documents



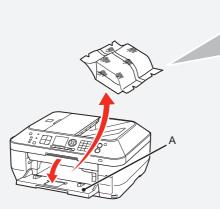
Power cord

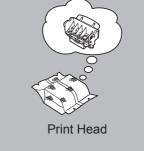


Telephone line cable

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• A USB cable is necessary to connect the machine with your computer (USB connection only).







Setup CD-ROM (containing the drivers, applications and on-screen manuals)

# Do not turn the power on yet.

To use the machine as a fax, a telephone line needs to be connected.

This section describes the basic method of telephone line connection.

For other connection methods, refer to the on-screen manual: **Basic Guide**.

When not using as a fax:



Go to "3 Turn the Power On" on page 7.

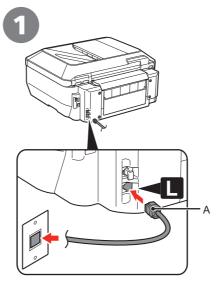
When using as both a fax and telephone:



When using as a fax only:



 If you cannot send faxes after installing the machine, check the telephone line type.
 For details, refer to "Confirming the Telephone Line Connection" in the on-screen manual: Basic Guide.

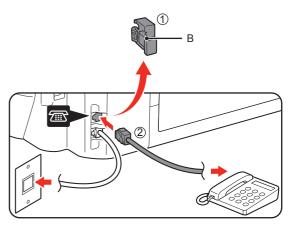


Connect the machine with a telephone line using the supplied telephone line cable (A).

When using as a fax only:

Go to "3 Turn the Power On" on page 7.

Only when connecting a telephone:



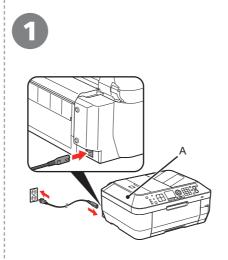
Remove the Cap (B) (1), then connect a telephone with the telephone line cable (2).

 Do not connect the machine and a telephone in parallel to the same telephone line using a distribution adapter. The machine may not operate properly.

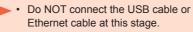
# Turn the Power On **S**



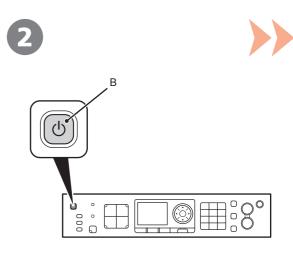
- Do not install the machine where an object may fall on it. The object may fall inside the machine, resulting in malfunction.
- Do not place any object on top of the machine. It may fall into the machine when opening covers, resulting in malfunction.



Insert the power cord into the connector on the left side at the back of the machine and into the wall outlet.

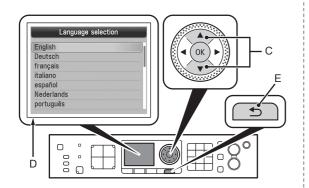


• Make sure that the Document Cover (A) is closed.



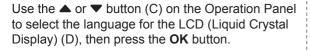
Press the **ON** button (B) to turn on the machine.

• The machine may make some operating noises. This is normal operation.





Install the print head and set the ink tank.

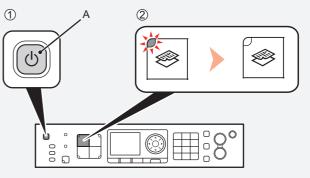


Make sure that the above screen is displayed and go to the next step.

 If an unintended language is displayed on the LCD, press the Back button (E) to return to the Language selection screen. □ Turning the power off

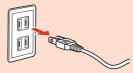
Be sure to follow the procedure below.

- 1. Press the **ON** button (A) to turn off the machine.
- 2. Make sure that all the lamps on the Operation Panel are not lit.



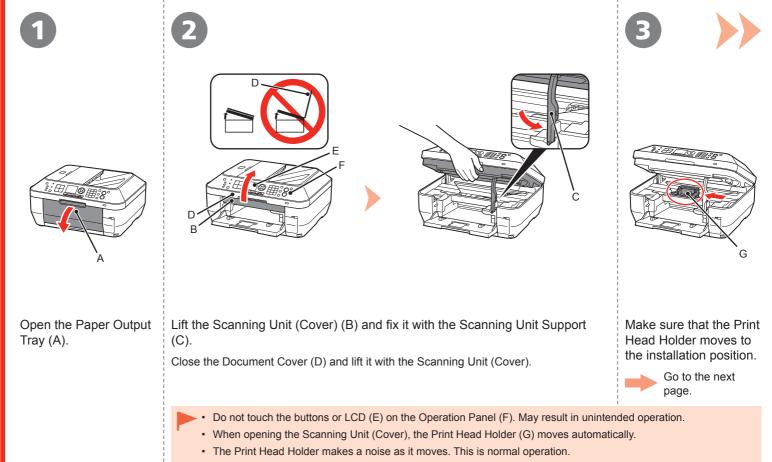
Operating noise may continue for up to 30 seconds until the machine turns off.

• When removing the power plug, make sure that all the lamps on the Operation Panel are not lit before removing the plug. Removing the power plug while all the lamps on the Operation Panel light up or flash may cause drying and clogging of the Print Head, resulting in poor printing.

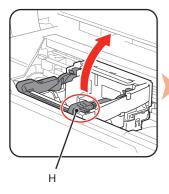


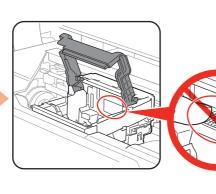
#### If your machine is used as fax

• Removing the power plug deletes all faxes stored in memory. Send or print faxes as necessary before removing the power plug.

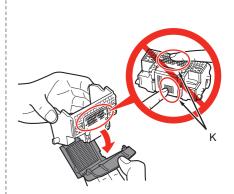


• If the Print Head Holder does not move, make sure that the machine is turned on.









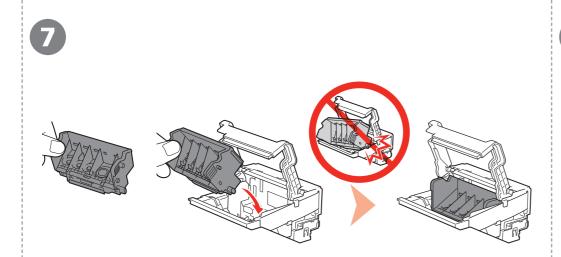
Firmly lift the part (H) of the Print Head Lock Lever in the Print Head Holder until it stops.

The Print Head Lock Lever may feel heavy.

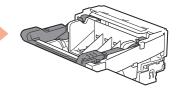
 Do not touch the inside of the Print Head Holder (I). The machine may not print properly if you touch it. Remove the Print Head from the silver package.

Remove the orange protective cap.

- Handle the Print Head carefully. Do not drop or apply excessive pressure to it.
- Do not touch the inside (J) or metal parts (K) of the Print Head. The machine may not print properly if you touch them.
- There may be some transparent or light blue ink on the inside of the bag the Print Head comes in, or the inside of the protective cap - this has no effect on print quality. Be careful not to get ink on yourself when handling these items.





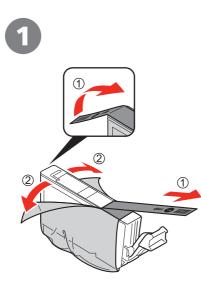


Tilt the Print Head forward and set it in place as shown.

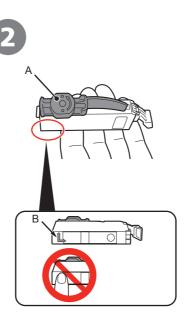
- Do not knock the Print Head against the sides of the holder.
- Install in a well-lit environment.

Hold the Print Head Lock Lever firmly and lower it completely.

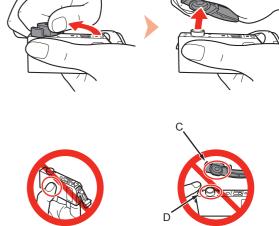
- Once you have installed the Print Head, do not remove it unnecessarily.
- If the Scanning Unit (Cover) is left open for more than 10 minutes, the Print Head Holder moves to the right. In this case, close and reopen the Scanning Unit (Cover).



- 1. Remove the orange tape completely.
- 2. Remove the protective film completely.
  - Handle the ink tanks carefully. Do not drop or apply excessive pressure to them.
    - Be sure to use the supplied ink tanks.



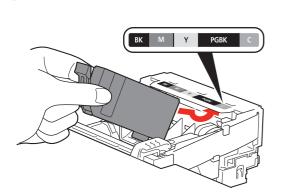
Hold the ink tank with the orange protective cap (A) pointing up while being careful not to block the L-shape air hole (B).

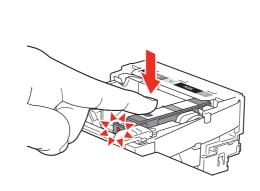


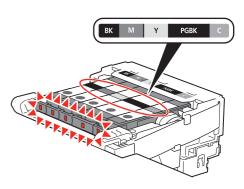
Slowly twist the orange protective cap 90 degrees horizontally to remove it off.

Do not push the sides of the ink tank.

- If the orange tape remains on the L-shape air hole, ink may splash or the machine may not print properly.
- If you push the sides of the ink tank with the L-shape air hole blocked, ink may splash.
- Do not touch the inside (C) of the orange protective cap or the open ink port (D). The ink may stain your hands if you touch them.







Tilt the ink tank, then insert it under the label and against the back end of the slot.

Make sure that the color of the label matches the ink tank.

Install in a well-lit environment.

Press the **PUSH** mark on the ink tank firmly until it clicks.

When the installation is completed properly, the **Ink** lamp lights red.

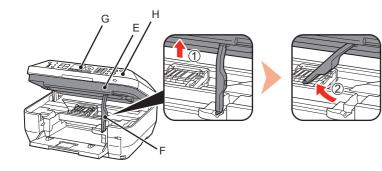
Install all the other ink tanks in the same way according to the color order indicated on the label.

Make sure all the Ink lamps light red.

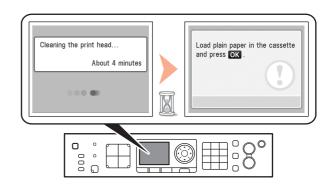
6

• Once you have installed the ink tanks, do not remove them unnecessarily.









1. Lift the Scanning Unit (Cover) (E) slightly.

- 2. Fold the Scanning Unit Support (F) towards the left.
- 3. Close the Scanning Unit (Cover).

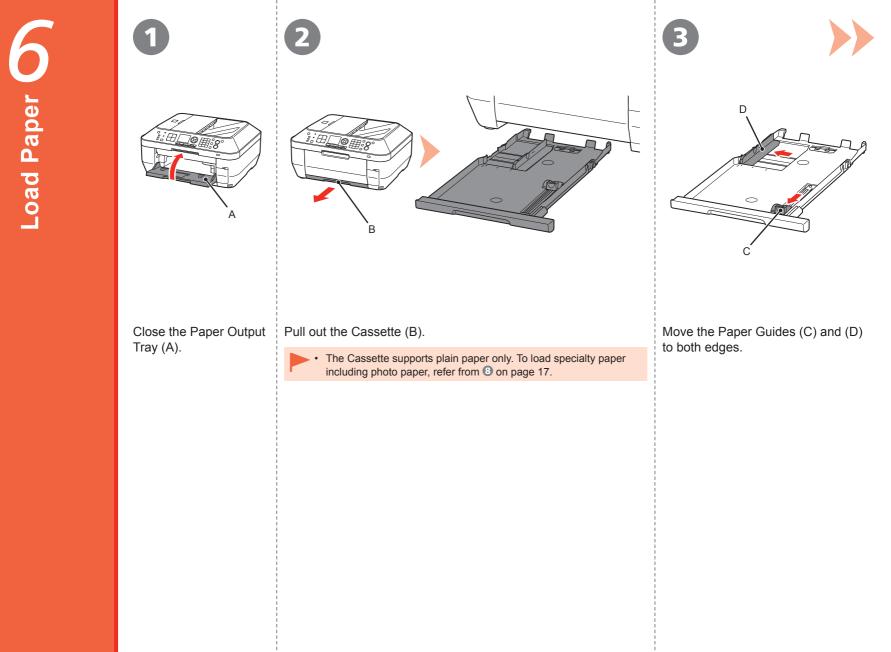
▶ • Do not touch the buttons or LCD (G) on the Operation Panel (H). May result in unintended operation.

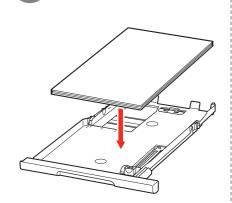
Make sure that the LCD changes as shown in the illustration and go to the next step.

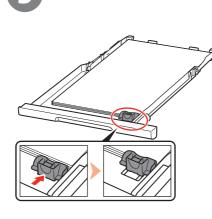
X

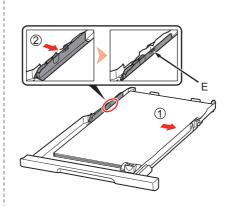
Load plain paper in the Cassette by referring to "6 Load Paper" on page 15 and press the  $\mathbf{OK}$  button.

- It takes about 4 minutes before the LCD changes.
- The machine may make some operating noises when preparing to print. This is normal operation.
- If an error message is displayed on the LCD, make sure that the Print Head and the ink tanks are correctly installed.
- 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.











Load plain paper.

Load paper with the printing side facing down.

Slide the Paper Guide to align with the actual size of the paper.

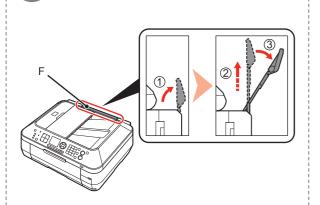
The Paper Guide will click and stop when it aligns with the corresponding mark of paper size.

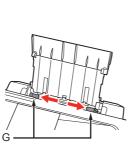
A slight space between the Paper Guide and the paper stack is acceptable.

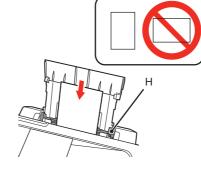
Align the paper to the right side of the Cassette (1), and slide the Paper Guide against the left edge of the paper (2).

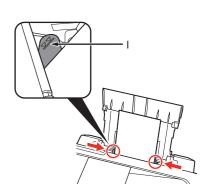
Make sure that the height of the paper stack does not exceed the line (E).

Insert the Cassette slowly into the machine until it clicks into place.









Prepare the Paper Support (F).

1. Open it.

8

- 2. Withdraw it upwards.
- 3. Tilt it back.

Move the Paper Guides (G) to both edges.

Load paper in the center of the Rear Tray (H).

Load paper in portrait orientation with the printing side facing up.

• Load specialty paper including photo paper in the Rear Tray.

Slide the left and right Paper Guides against both edges of the paper.

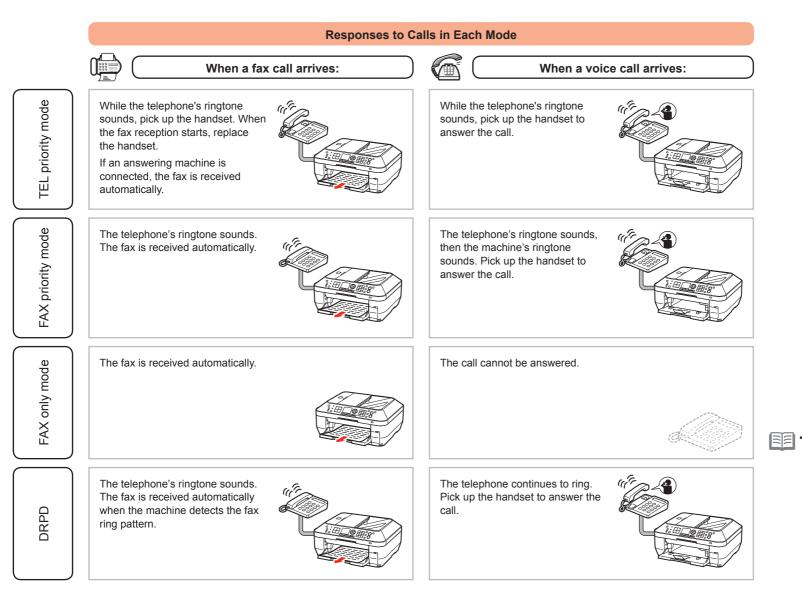
Make sure that the height of the paper stack does not exceed the line (I).

For details on how to handle paper, refer to "Loading Paper" in the on-screen manual: **Basic Guide** after installation is complete. Read this section only when using the machine as a fax.

If not using the machine as a fax, go to "8 Select Connection Method" on page 21.

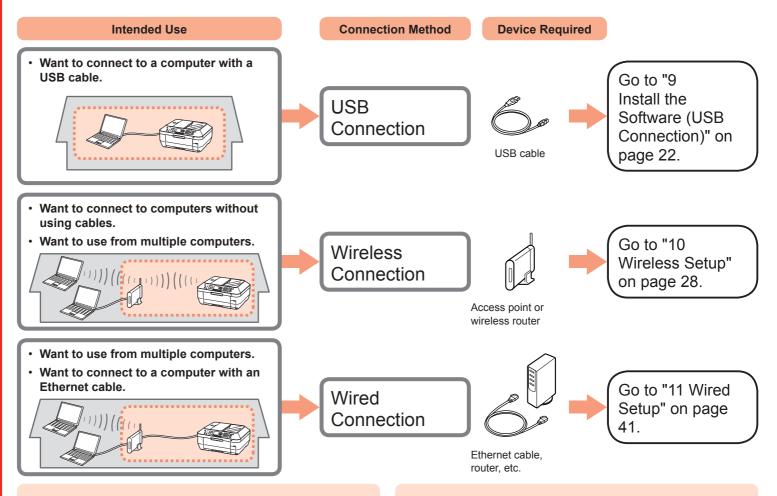
The following four modes are available for receiving faxes. Select a receive mode according to your needs. You can change the receive mode any time. Refer to the on-screen manual: **Basic Guide**.

Intended Use		Receive Mode
<ul> <li>Want to use a telephone line for voice calls and faxes.</li> <li>Want to prioritize voice call reception over fax call reception because there are more opportunities to receive voice calls.</li> </ul>		TEL priority mode Voice calls cannot be received unless a telephone is connected.
<ul> <li>Want to use a telephone line for voice calls and faxes.</li> <li>Want to prioritize fax call reception over voice call reception because there are more opportunities to receive faxes.</li> </ul>	•	FAX priority mode
<ul> <li>Want to use a dedicated fax line.</li> <li>Want to use as a fax only.</li> </ul>		FAX only mode
<ul> <li>If you use Distinctive Ring Pattern Detection (DRPD) service</li> </ul>	-	DRPD



 Even when a telephone is connected to the machine, the telephone's ringtone may not sound for an incoming call depending on the type or settings of the telephone.

1	2	3
A     Image: Contrast im	Beceive mode settings         FAx piority mode         DRD         TEL priority mode         DEL priority mode <t< td=""><td><tel priority=""></tel></td></t<>	<tel priority=""></tel>
Press the FAX button (A). The fax standby screen is displayed.	Press the <b>FUNCTION</b> button (B), then use the ▲ or ▼ button (C) to select a receive mode.	Press the <b>OK</b> button. The fax standby screen returns.



#### What is Network?

A system to exchange information between computers by connecting them to each other with cables or via wireless communication. The Internet and LAN are types of networks.

#### What is LAN (Local Area Network)?

A type of network that connects computers to each other within a limited area (room, building, etc.).

If it is uncertain whether your device (access point, router, etc.) supports wireless connection or wired connection, refer to the manual supplied with the device, or contact its manufacturer.

#### If Your Device Supports Wireless Connection

Check if it supports IEEE802.11b/g.

#### If Your Device Supports Wired Connection

Check if it supports simultaneous connection of multiple computers and network devices.

# Do not connect the USB cable yet.

- To use the machine by connecting it to a computer, software including the drivers needs to be copied (installed) to the computer's hard disk. The installation process takes about 20 minutes. (The installation time varies depending on the computer environment or the number of application software to be installed.)
- Screens are based on Windows Vista Ultimate and Mac OS X v.10.5.x.
  - Quit all running applications before installation.
    - Log on as the administrator (or a member of the Administrators group).
    - · Do not switch users during the installation process.
    - Internet connection may be required during the installation. Connection fees may apply. Consult the internet service provider.
    - It may be necessary to restart your computer during the installation process. Follow the on-screen instructions and do not remove the **Setup CD-ROM** during restarting. The installation resumes once your computer has restarted.
    - Mac OS 9, Mac OS X Classic environments, or Mac OS X v.10.4.10 or earlier are not supported.

# Windows

If you connect the machine via USB cable before installing the software:

## For Windows 7

- 1. Remove the USB cable connected to your computer.
- 2. Proceed to **1** on page 23.

# For Windows Vista/Windows XP/Windows 2000

The following dialog box may appear.

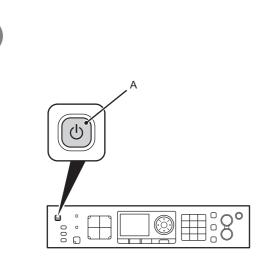
⇒	ound New Hardware
Wir seri	ndows needs to install driver software for your
Ø	Locate and install driver software (recommended) Windows will guide you through the process of installing driver software for your device.
*	Ask me again later Windows will ask again the next time you plug in your device or log on.
Ø	Don't show this message again for this device Your device will not function until you install driver software.
	Cancel

1. Remove the USB cable connected to your computer.

If the dialog box closes, proceed to **1** on page 23.

- 2. Click Cancel.
- 3. Proceed to **1** on page 23.
- □ Easy-WebPrint EX

If you are using Internet Explorer 7 or later, you can use the Web print software Easy-WebPrint EX. An internet connection is required for installation.







Press the **ON** button (A) to TURN OFF THE MACHINE.

Operating noise may continue for up to 30 seconds until the machine turns off.

- Do NOT connect the USB cable to the computer and the machine yet. If you have already connected the cable, disconnect it now.

Turn on the computer, then insert the  $\ensuremath{\textbf{Setup CD-ROM}}$  into the CD-ROM drive.

If you are using Windows, the setup program starts automatically.

# For Windows

 If the program does not start automatically, double-click the CD-ROM icon in Computer or My Computer. When the CD-ROM contents appear, double-click MSETUP4.EXE. B Windows 7/Windows Vista Windows XP/Windows 2000 - 4

Click **Run Msetup4.exe** on the **AutoPlay** screen, then click **Continue** or **Yes** on the **User Account Control** dialog box.

If the User Account Control dialog box reappears in following steps, click Continue or Yes.

CD-R Drive (D) CANON,U CANON,U Aways do this for software and games Aways do this for software and games Compared and the software and	🕼 AutoPlay	- • ×
Run Misetup-Lexe Published by Centen Inc.	CD-R Drive (D:) CA	NON_IJ
Open folder to view files	Always do this for software a	and games:

Windows

🚺 A pr	ogram needs your permission to continu	Je
If you start	ed this program, continue.	
	Canon IJ Setup CD-ROM Canon Inc.	
🕑 Details	Continue	Cancel

	3	
L C		
Ő	CANON_U	
int	ii items, iiii M8 available	Setup requires that you type your password.
<b>.</b>	Setup	Name:
m		() Cancel ()

Double-click the **Setup** icon of the CD-ROM folder to proceed to the following screen. Enter your administrator name and password, then click **OK**.

If the CD-ROM folder does not open automatically, double-click the CD-ROM icon on the desktop.



0

If you do not know your administrator name or password, click the help button, then follow the on-screen instructions.



Canon	PIXMA MX870 series
A .	Select the installation method and follow the instructions on the screens.
	Recommended for hist-time users
1	Easy Install
5 12	Custom Install
16	This method allows you to select the software programs that you want to use and installs only the selected programs.
-	Exit
	Cancels software installation.

# Click Easy Install.

The drivers, application software, and on-screen manuals are installed all together.

• If you want to select particular items to install, click Custom Install.

#### For Windows 7/Windows Vista SP1 or later

- You can install the XPS Printer Driver from Custom Install. When installing the XPS Printer Driver, select the MP Drivers at the same time.
- For details on useful functions of the XPS Printer Driver, refer to the on-screen manual: Advanced Guide after installation is complete.

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lease Streams 1	
	1
parate Alberton A	3
para di serana di	
server A	



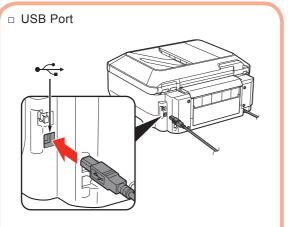
### Click Install.

#### For Windows

 To install Easy-WebPrint EX, you need to connect your computer to the internet at this stage. (Internet Explorer 7 or later is required.) If an internet connection is not available, it is also possible to install this software later. For details, refer to "Useful Software Applications" in the onscreen manual: **Basic Guide** after installation is complete. Select Use the printer via USB, then click Next.

Follow any on-screen instructions to proceed with the software installation.

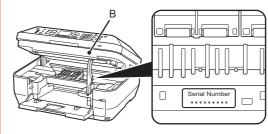
## Important Information for the Installation



When the **Printer Connection** screen appears, connect the machine to the computer with a USB cable.

The USB Port is located on the right side at the back of the machine. The lower port is for USB.

 Necessary Information for the User Registration



The product serial number is required when registering the product. The serial number is located inside the machine (as shown in the illustration).

 If the power is on, the Print Head Holder will move when the Scanning Unit (Cover) (B) is opened. If the Extended Survey
 Program screen appears



If you can agree to Extended Survey Program, click **Agree**. If you click **Do not agree**, the Extended Survey Program will not be installed. (This has no effect on the machine's functionality.)

Canon	Installation completed successfully.
	Exit

Ω	
$\mathbf{U}$	

For Windows:

For Macintosh:

N.L.

Solution Menu starts automatically.

\$	Scanimport photos or documents.	-	Print photos or albums, etc.
-	One-Click to Photo Print	122	Go to a web page with free and high quality materials.
-	Change settings or find solutions to problems.	6	Get help for your Canon product or software.
8	Register online.	9	Login online.
9	Find information on Canon products.		
Point to a	e This Screen buffon on the screen to display the descripti ding buffon.	on of each fi	unction. To use a function, click the
Clock the I	outtons on the title bar to change the screen	size	

Click the icon on the Dock to start Solution Menu.

# Click Exit to complete the installation.

If **Restart** is displayed, follow the instruction to restart the computer.

#### For Macintosh:

It is necessary to restart the computer before scanning using the Operation Panel on the machine for the first time.



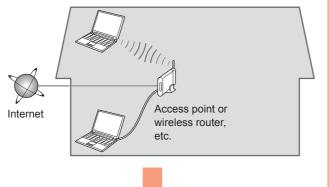
Remove the Setup CD-ROM and keep it in a safe place.

• The buttons displayed on Solution Menu may vary depending on the country or region of purchase.

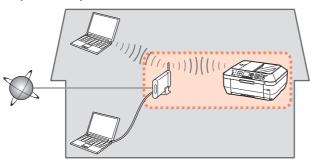
# Congratulations! Setup is complete. Proceed to page 57 for information regarding the Solution Menu and the on-screen manual or page 58 to start using the machine.

Mireless Setup

Before connecting the machine to the network, the computer needs to be connected to the network. Make sure that configuration of the computer and access point or router is complete.

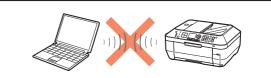


Add (connect) the machine to the network.



# Notes on Wireless Connection

- The configuration, router functions, setup procedures and security settings of the network device vary depending on your system environment. For details, refer to your device's instruction manual or contact its manufacturer.
- In an office setup, consult your network administrator.
- If you connect to a network that is not protected with security measures, there is a risk of disclosing data such as your personal information to a third party.
- The machine cannot be used over a wireless and wired connection at the same time.
- If an error message appears or if you have trouble with the network connection, refer to the printed manual: Network Setup Troubleshooting.



An "Ad-hoc connection," which establishes a direct connection to the computer over a wireless connection without using an access point, is not supported. Be sure to prepare an access point.

# Check the Information for Wireless Connection

The following information is required to connect to your access point or router. Check your access point or router for the following information, then write it down.

For details on how to check the following information, refer to the manual of your access point or router, or contact its manufacturer.

# Access Point Name/Network Name: \_\_\_\_\_

\* Also referred to as SSID. An identifier to identify the specific access point.

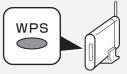
# Network Key: \_\_\_\_\_

\* Also referred to as encryption key, WEP key or WPA/WPA2 passphrase, Pre-Shared key. A password required to set to prevent unauthorized access to communication.

You can retrieve your network key by using the Canon PIXMA Wireless Setup Assistant or the instructions which can be downloaded from the Canon support webpage (www.usa.canon. com/downloadlibrary).

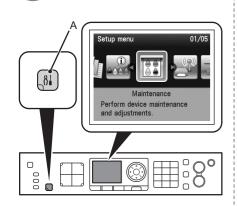
If you are unable to retrieve the network key or other settings, refer to the manual of your access point or router, or contact its manufacturer.

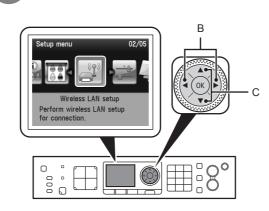
 If your access point or router supports WPS (Wi-Fi Protected Setup):



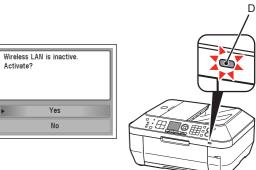
A wireless connection can be set up easily without checking the information to the left. Go to "Wireless Setup Using WPS (Wi-Fi Protected Setup)" on page 33.

- For details on WPS, refer to the manual of your access point.
- If you are using Windows 7/Windows Vista and have a USB flash drive, you can configure wireless connection settings by using the WCN (Windows Connect Now) function as well. For details, refer to "Wireless Setup Using WCN (Windows Connect Now)" on page 36.





В



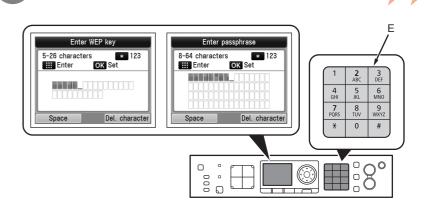
Press the **Setup** button (A). The **Setup menu** screen is displayed. Use the ◀ or ▶ button (B) to select **Wireless LAN setup**, then press the **OK** button.

Use the  $\blacktriangle$  or  $\blacktriangledown$  button (C) to select **Yes**, then press the **OK** button.

When wireless connection is enabled, the Wi-Fi lamp (D) lights blue.







Select **Easy setup**, then press the **OK** button.

Select the access point name you wrote down on page 29, then press the **OK** button.

 If you are living in an apartment, nearby access points in use may be detected. When one of the above screens is displayed, enter the network key you wrote down on page 29 using the Numeric buttons (E), then press the OK button.

If the above screen is not displayed, go to ③.

Press the  $\frac{1}{2}$  button to switch character entry modes.

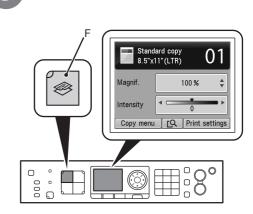
• Enter upper and lower case letters of the alphabet correctly.

÷.,		
i.	-	1-
i.		

• For details on character entry, refer to the printed manual: Network Setup Troubleshooting.

Enter
Press OK .





Make sure that the network key is correct, then press the **OK** button.

When the above screen appears, press the OK button.

The Setup menu screen returns.

Failed to connect to the access point. appears, press the **OK** button, make sure that the network key is correct, then enter it again. If a connection still cannot be established, refer to the printed manual: Network Setup Troubleshooting.

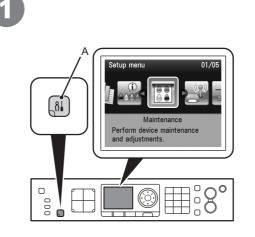
Press the COPY button (F).

The copy standby screen is displayed.

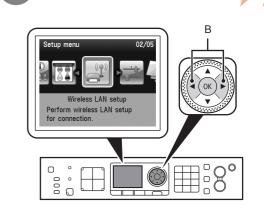
Next, read "12 Install the Software (Network Connection)" on page 45!

Read this section only when setting up a wireless connection by using the WPS (Wi-Fi Protected Setup).

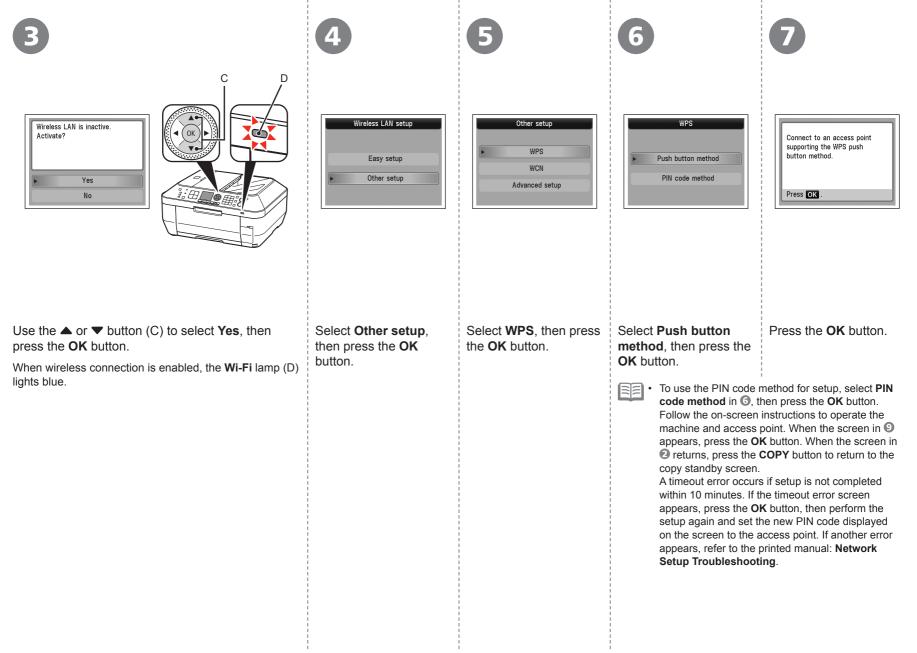
If not using WPS, the following procedure is not necessary.



Press the **Setup** button (A). The **Setup menu** screen is displayed.



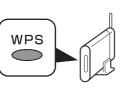
Use the ◀ or ▶ button (B) to select **Wireless LAN** setup, then press the **OK** button.



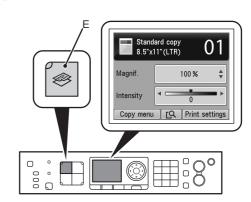
9

See the access point manual for preparation. When ready, press **OK** of the device.

Press OK







Press and hold the WPS button on the access point (for about 5 seconds), then press the **OK** button on the machine within 2 minutes.

For details on the WPS button pressing, refer to the manual of your access point.

The **Wi-Fi** lamp (blue) flashes while searching for or connecting to an access point.

When the above screen appears, press the **OK** button.

The Setup menu screen returns.

- If the timeout error screen appears, press the **OK** button, then start over from **3**.
  - If another error appears, refer to the printed manual: Network Setup Troubleshooting.

Press the **COPY** button (E).

The copy standby screen is displayed.

Next, read "12 Install the Software (Network Connection)" on page 45!

Read this section only when setting up a wireless connection by using the WCN (Windows Connect Now) function of Windows 7/Windows Vista.

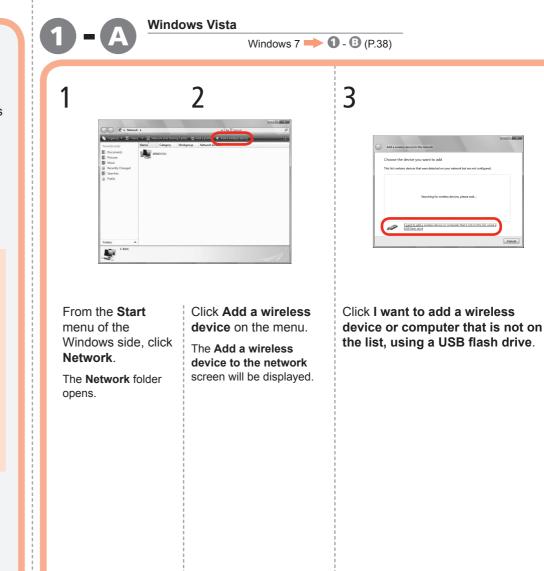
If not using WCN, the following procedure is not necessary.

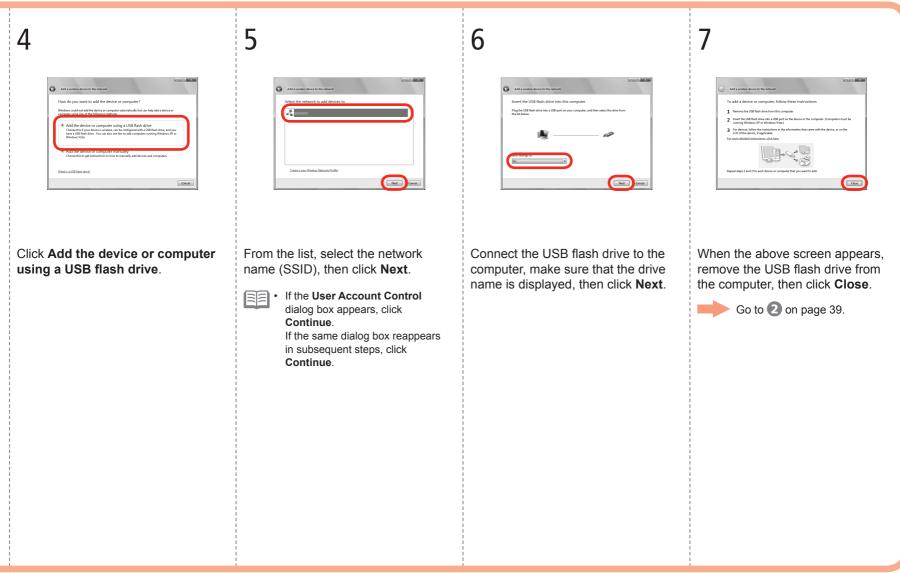
Proceed with the setup according to your operating system.

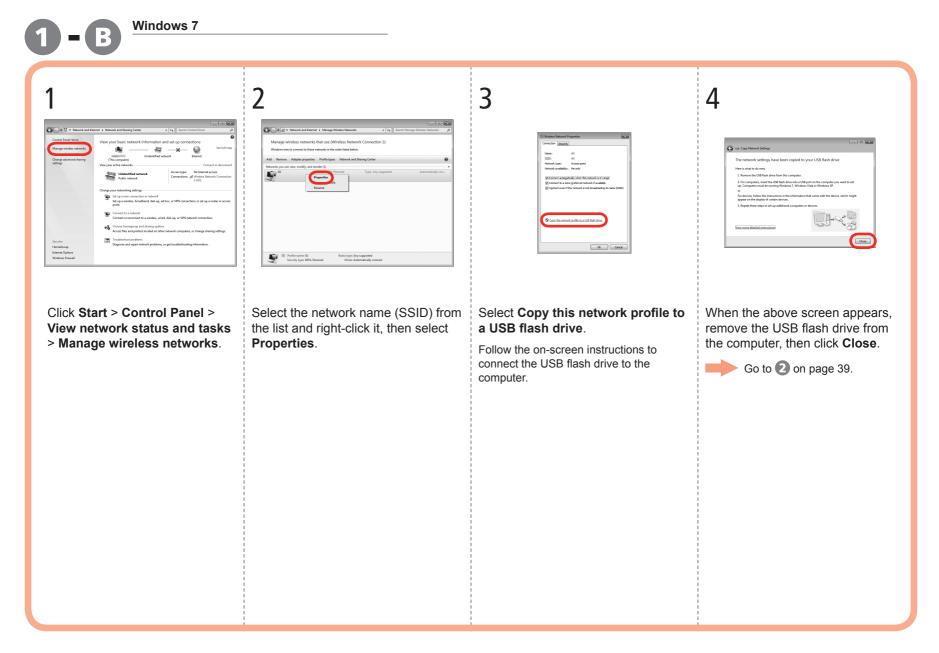


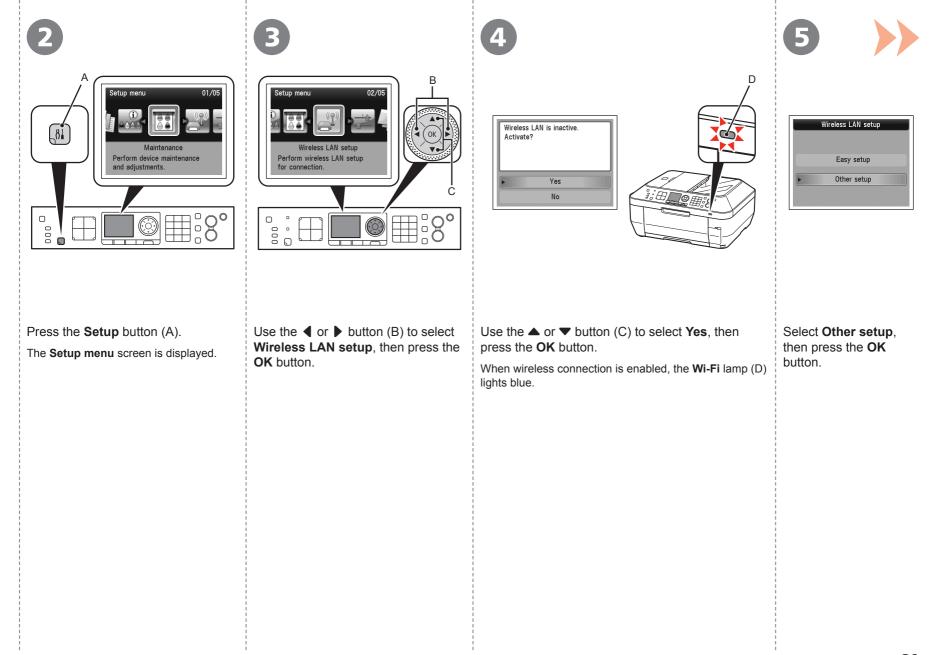
- Before setting up by using the WCN, establish wireless communication between the computer and the access point.
- Canon assumes no responsibility for any damage or loss of data stored on your USB flash drive regardless of the cause even within the warranty period.
- If your USB flash drive cannot be attached to the Direct Print Port of the machine, a commercial extension cord (for USB flash drives) may be required.
- Operation may not be guaranteed depending on your USB flash drive.
- USB flash drives with security enabled may not be used.

• The machine supports "WCN-UFD".





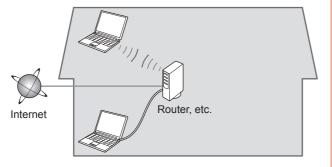




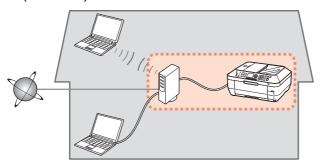
6	7	8	9
Other setup WPS WCN Advanced setup	WCN         After connecting the USB flash drive, press ℃K of the device.	Wireless LAN settings completed. Press <b>OK</b> .	F       Image: Standard copy       01         Magnif.       100 %       Image: Standard copy         Intensity       Image: Standard copy       Image: Standard copy         Copy menu       Copy menu       Print settings
Select <b>WCN</b> , then press the <b>OK</b> button.	Connect the USB flash drive to the Direct Print Port (USB connector) (E) on the front right of the machine, then press the <b>OK</b> button.	When the above screen appears, press the <b>OK</b> button, then remove the USB flash drive from the machine. The <b>Setup menu</b> screen returns.	Press the <b>COPY</b> button (F). The copy standby screen is displayed.
40			Next, read "12 Install the Software (Network Connection)" on page 45!

Wired Setup

Before connecting the machine to the network, the computer needs to be connected to the network. Make sure that configuration of the computer and router is complete.



Add (connect) the machine to the network.

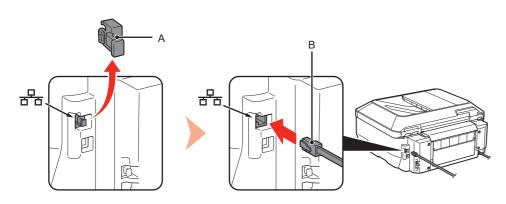


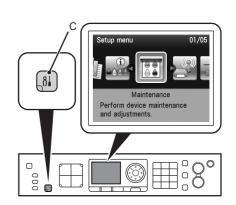
### Notes on Wired Connection



- The configuration, router functions, setup procedures and security settings of the network device vary depending on your system environment. For details, refer to your device's instruction manual or contact its manufacturer.
- In an office setup, consult your network administrator.
- If you connect to a network that is not protected with security measures, there is a risk of disclosing data such as your personal information to a third party.
- The machine cannot be used over a wireless and wired connection at the same time.
- If an error message appears or if you have trouble with the network connection, refer to the printed manual: **Network Setup Troubleshooting**.







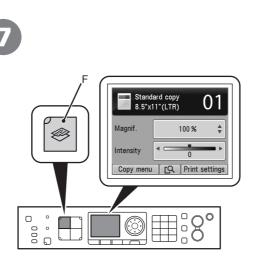
Remove the Cap (A), then connect a network device (router, etc.) with an Ethernet cable (B).

Press the **Setup** button (C).

The **Setup menu** screen is displayed.

3	4	5
Setup menu 03/05   Device settings   Perform various settings.	Device settings         Plain paper feed settings         FAX settings         Print settings         LAN settings         Device user settings         PictBridge print settings         Language selection	LAN settings Change wireless/wired Wireless LAN setup Confirm LAN settings Other settings Reset LAN settings
Use the ◀ or ▶ button (D) to select <b>Device settings</b> , then press the <b>OK</b> button.	Use the $\blacktriangle$ or $\blacktriangledown$ button (E) to select LAN settings, then press the <b>OK</b> button.	Select <b>Change wireless/wired</b> , then press the <b>OK</b> button.
	- - - - - -	12

	Change wireless/wired
	Wireless LAN active
Þ	Wired LAN active
	Disable LAN



Select  $\ensuremath{\textbf{Wired}}\xspace$  LAN active, press the  $\ensuremath{\textbf{OK}}\xspace$  button.

The LAN settings screen returns.

Press the **COPY** button (F).

The copy standby screen is displayed.

Next, read "12 Install the Software (Network Connection)" on page 45!

Install the Software

- To use the machine by connecting it to a computer, software including the drivers needs to be copied (installed) to the computer's hard disk. The installation process takes about 20 minutes. (The installation time varies depending on the computer environment or the number of application software to be installed.)
- Screens are based on Windows Vista Ultimate and Mac OS X v.10.5.x.
  - Quit all running applications before installation.
  - Log on as the administrator (or a member of the Administrators group).
  - Do not switch users during the installation process.
  - Internet connection may be required during the installation. Connection fees may apply. Consult the internet service provider.
  - It may be necessary to restart your computer during the installation process. Follow the on-screen instructions and do not remove the **Setup CD-ROM** during restarting. The installation resumes once your computer has restarted.
  - If the firewall function of your security software is turned on, a warning message may appear that Canon software is attempting to access the network. If such a warning message appears, set the security software to always allow access.
  - Mac OS 9, Mac OS X Classic environments, or Mac OS X v.10.4.10 or earlier are not supported.

### Windows

Easy-WebPrint EX

If you are using Internet Explorer 7 or later, you can use the Web print software Easy-WebPrint EX. An internet connection is required for installation.



Windows 7/Windows Vista Windows XP/Windows 2000 B Windows CD-R Drive (D:) CANON\_JJ A program needs you Always do this for software and game f you started this program, continu ٢ Canon IJ Setup CD-ROM Canon Ini 🕑 Details Open folder to view files User Account Control helps stop unauthorized changes to your compute Set AutoPlay defaults in Control Panel

Click Run Msetup4.exe on the AutoPlay screen, then click Continue or Yes on the User Account Control dialog box.

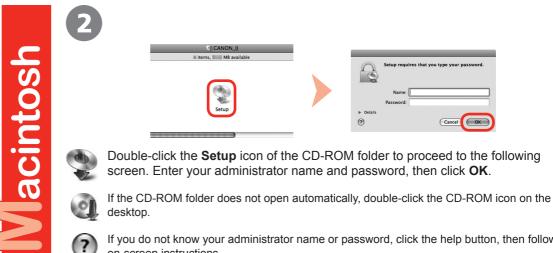
If the User Account Control dialog box reappears in following steps, click Continue or Yes.

Turn on the computer, then insert the Setup CD-ROM into the CD-ROM drive.

If you are using Windows, the setup program starts automatically.

#### For Windows

· If the program does not start automatically, double-click the CD-ROM icon in **Computer** or **My Computer**. When the CD-ROM contents appear, double-click MSETUP4.EXE.



If you do not know your administrator name or password, click the help button, then follow the on-screen instructions.





Install

#### Click Easy Install.

The drivers, application software, and on-screen manuals are installed all together.

• If you want to select particular items to install, click Custom Install.

#### For Windows 7/Windows Vista SP1 or later

- You can install the XPS Printer Driver from Custom Install. When installing the XPS Printer Driver, select the MP Drivers at the same time.
- For details on useful functions of the XPS Printer Driver, refer to the on-screen manual: Advanced Guide after installation is complete.

#### Click Install.

#### For Windows

Easy Install

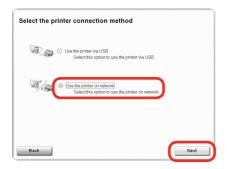
Back

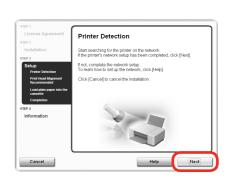
The listed software programs will be installed. To proceed, click [Install

To display an introduction of the software, move the mouse pointer to the software

• To install Easy-WebPrint EX, you need to connect your computer to the internet at this stage. (Internet Explorer 7 or later is required.)

If an internet connection is not available, it is also possible to install this software later. For details, refer to "Useful Software Applications" in the on-screen manual: **Basic Guide** after installation is complete.





#### Select Use the printer on network, then click Next.

Follow any on-screen instructions to proceed with the software installation.

#### When the Printer Detection screen appears, click Next.

• If the **Printer Connection** screen appears instead of the screen above, the connection method is not correctly selected in **5**.

- For Windows
   Click Cancel and start again from 4, then be sure to select Use the printer on network in 5.
- For Macintosh

Follow on-screen instructions and proceed with the installation. Click **Exit** on the installation complete screen, then start again from **2** and be sure to select **Use the printer on network** in **5**.

When the **Detected Printers List** dialog box appears, select **Canon MX870 series**, then click **Next**.

When the **Setup Completion** dialog box appears, click **Complete**.



• If the machine is not detected, **Check Printer Settings** dialog box is displayed. Refer to the printed manual: **Network Setup Troubleshooting**. Make sure there is no problem, then click **Next** again on the screen in **3**.

Next, read "Install the Software (Information)" on page 54!

On the Canon IJ Network Tool screen, select MX870 series in **Printers**, then click Next.



If the machine is not detected, refer to the printed manual: **Network Setup Troubleshooting**. Make sure there is no problem, then click **Update**.

Next, read "Install the Software (Registration)" on page 50!



Select the printer to be used.



Cancel



Windows



**acintosh** 

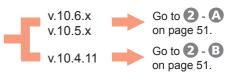
This section describes how to register the machine on a Macintosh computer.

Windows users: read "Install the Software (Information)" on page 54.

STEP 1	
License Agreement	Register Printer and Scanner
STEP 2 Installation	The printer and scanner network setups are complete. Next, register the printer and scanner to the computer.
STEP 3 Setup ~ Printer Detection Register Printer and Scanner Print Heed Alignment Recommended Lead plain paper into the cassola Sotup Complete	Citick Register Printer of Register Scannet but the corresponding septication software for registration. Follow the application adhere instructions to complete the registration.
STEP 4	

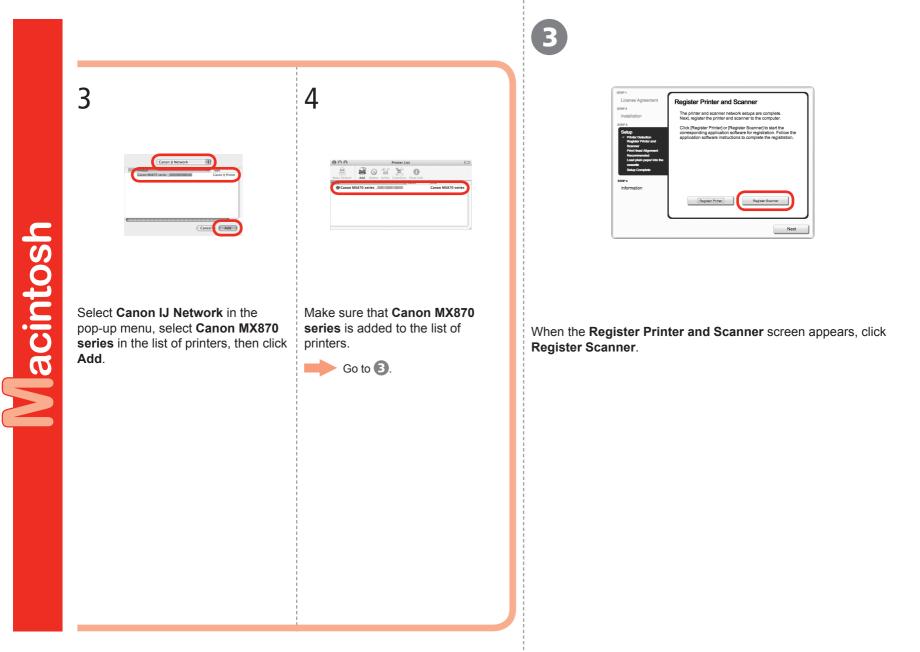
When the **Register Printer and Scanner** screen appears, click **Register Printer**.  Proceed to the section that relates to your operating system for further installation instructions.

#### Mac OS X



- The alphanumeric characters after **Canon MX870 series** is the machine's Bonjour service name or MAC address.
  - If the machine has not been detected, make sure of the following.
    - The machine is turned on.
    - The firewall function of any security software is turned off.
    - Wireless Connection: The computer is connected to the access point.
    - Wired Connection: The machine is connected to the network device with the Ethernet cable.

Mac OS X v.10.6.x/v.10.5.x	<b>2 – B</b> Mac OS X v.10.4.1	1
Mac OS X v.10.4.11 -> 2 - 3	<b>2-B</b>	
Image: Second Matrix         Image: Second Matrix	1	Image:
Select Canon MX870 series and click Add.	When the Printer List window appears, click Add.         Image: Click Add appears, click Add appears, click Add.	Click More Printers in the Printer Browser window.



000	Scan-from-PC Settings
Select the scann from the operat	ers you want to use from this computer. It will also enable scanning ion panel for selected scanners.
Network Device	List:
▼MX870 serie	
Do Not     Ocanon	Use MX870 series
0	Scan-from-Operation-Panel Settings OK

4

	Register Printer and Scanner
nep 2 Installation	The printer and scanner network setups are complete. Next, register the printer and scanner to the computer.
Setup Setup Printer Detection Register Printer and Seguider Printer and Print Head Alignment Recommended Load plain paper into the casserts Setup Complete Setup Complete	Click Register Preter of Repider Scenard be start the correspondence population software to registration. Follow the application software instructions to complete the registration.
Information	Register Printer

Select Canon MX870 series on the Scan-from-PC Settings screen, then click OK.

Click Next on the Register Printer and Scanner screen.

5

Next, read "Install the Software (Information)" on page 54!

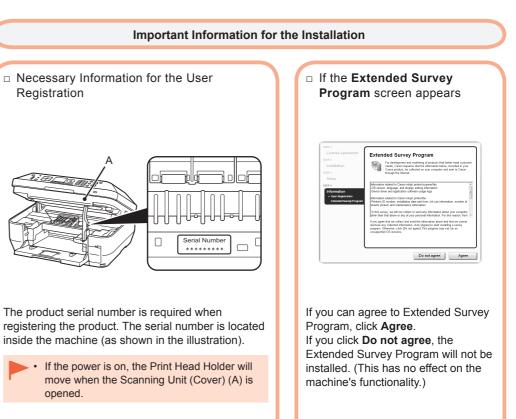
Macintosh

Windows

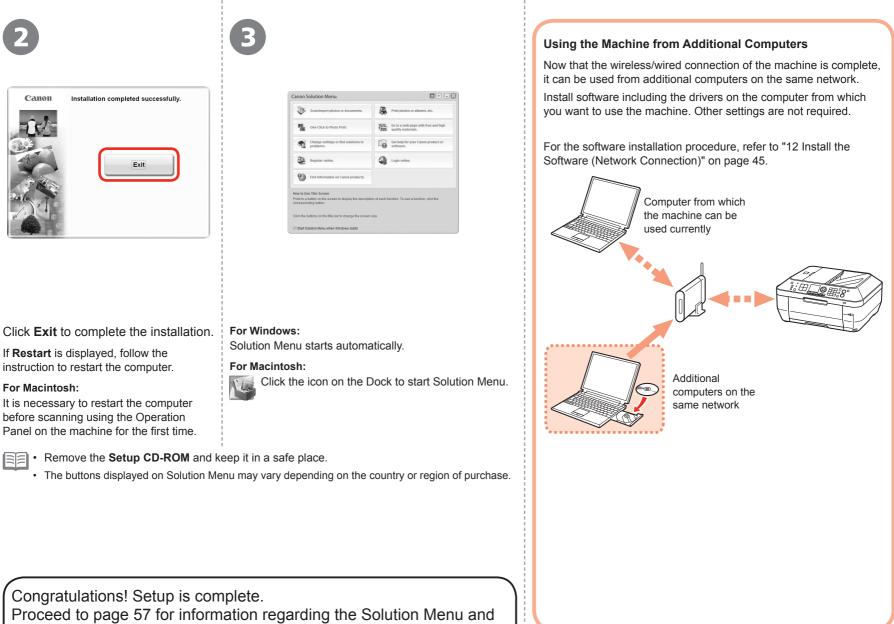


#### Click Next.

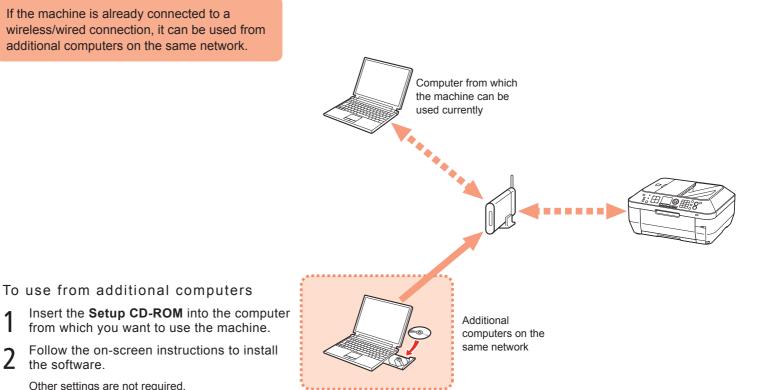
Follow any on-screen instructions to proceed with the software installation.



12 Install the Software (Network Connection)



the on-screen manual or page 58 to start using the machine.



1

Other settings are not required.

For details on the software installation procedure, refer to "12 Install the Software (Network Connection)" on page 45.



Use the Operation Panel on the machine to print your own items easily.

Various application software are installed on the computer along with the drivers. You can print creative items by correcting/enhancing photos using the application software.

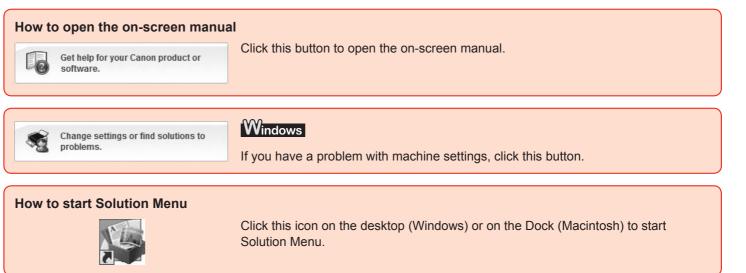
For details on how to use the application software and the machine, refer to the on-screen manual.

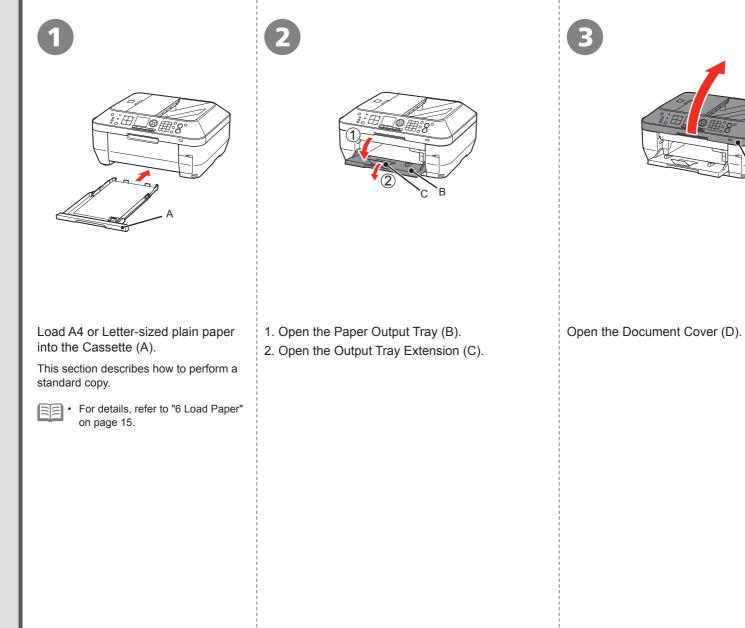


### Solution Menu

Solution Menu is a gateway to functions and information that allow you to make full use of the machine! For example,

- Open the on-screen manual with a single click.
- · Open various application software with a single click.



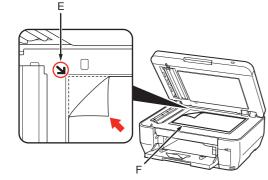


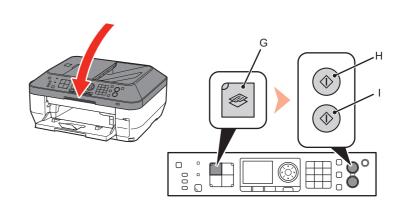
D

Try Copying

14 Try Using the Machine







Place the document face-down and align it with the Alignment Mark (E).

 Do not place objects weighing 4.4 lb / 2.0 kg or more on the Platen Glass (F), or do not apply pressure to the document by pressing on it with a force exceeding 4.4 lb / 2.0 kg. The scanner may malfunction or the glass may break. Close the Document Cover, press the **COPY** button (G), then press the **Black** button (H) or the **Color** button (I).

Copying will start. Remove the document after printing.

- Hold the Document Cover firmly when closing it because it is heavy.
- Do not open the Document Cover until copying is complete.

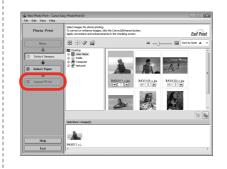


When the machine is ready for copying, the **Black** button and **Color** button light up.

For the procedure to copy on paper other than plain paper, refer to "Copying" in the on-screen manual: **Advanced Guide**.



35	Scanimport photos or documents.	-	Print photos or albums, etc.
-	One-Click to Photo Print	Real	Go to a web page with free and hig quality materials.
<b>R</b> 1	Charge settings or first solutions to problems.	16	Get help for your Canon product or software.
8	Register online.	9	Login online.
9	Find information on Canon products.		
Point to a	ee This Screen button on the screen to display the descripti ding button.	on of each fi	unction. To use a function, click the
Click the I	uttons on the title bar to change the screen	size.	
	olution Menu when Windows starts		

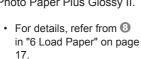




Load 4" x 6" size photo paper in the Rear Tray (A) in portrait orientation with the printing side facing up.

Make sure that the Paper Output Tray (B) and the Output Tray Extension (C) are open.

This section explains how to print borderless photos using 4" x 6" size Photo Paper Plus Glossy II.



Start Solution Menu from the **Canon Solution Menu** icon on the desktop (Windows) or on the Dock (Macintosh), then click **One-Click to Photo Print**.

Easy-PhotoPrint EX starts.



The screens are based on Windows Vista.

• For details on starting Solution Menu, refer to page 57.

Select the image you want to print, then click **Layout/Print**.

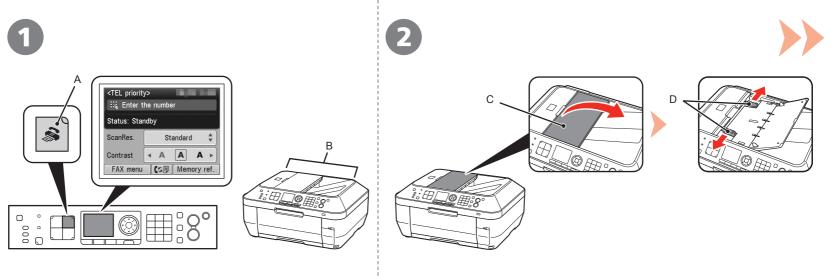
When a photo is selected, the number of copies is set to "1".

### Click Print.

If you are using Windows, printing will start.

If you are using Macintosh, click **Print** on the **Print** dialog box to start printing.

For more information, refer to the on-screen manual: **Advanced Guide**.



#### Press the **FAX** button (A).

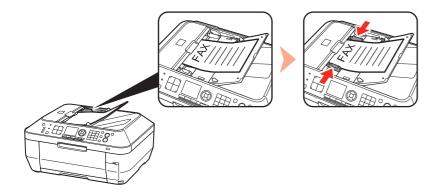
The fax standby screen is displayed.

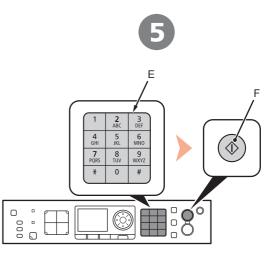
This section explains how to send a fax in black and white from the ADF (Auto Document Feeder) (B).

- Make sure that the telephone line type is set correctly. For the setting procedure, refer to "Preparing for Faxing" in the on-screen manual: Basic Guide.
- The setting may not be available depending on the country or region of your residence.

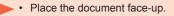
Open the Document Tray (C), then move the Document Guides (D) to both edges.

• For details on supported documents and settings for image quality, density (brightness), etc., refer to the on-screen manual: **Basic Guide**.





Insert the document until a beep sounds, then slide the left and right Document Guides against both ends of the document.



Use the Numeric buttons (E) to enter the fax number.

Press the **Black** button (F). The fax is sent.



For details on sender information, refer to "Specifying the Basic Settings for Faxing" in the on-screen manual: Basic Guide.

• When the machine is ready for faxing, the **Black** button and **Color** button light up.

For other procedures to send faxes, refer to "Faxing" in the on-screen manual: Basic Guide.

	General Specifications
Printing resolution	9600* (horizontal) X 2400 (vertical)
(dpi)	* Ink droplets can be placed with a pitch of 1/9600 inch at minimum.
Interface	USB Port: Hi-Speed USB *1
	Direct Print Port: PictBridge Bluetooth v2.0 (Option) *2 *3 *4 USB flash drive
	LAN Port: Wired LAN: 100BASE-TX/10BASE-T Wireless LAN: IEEE802.11b/IEEE802.11g *5
	<ul> <li>*1 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.</li> <li>*2 Maximum speed: 1.44 Mbps</li> <li>*3 JPEG/PNG only</li> </ul>
	<ul> <li>*4 Bluetooth connection is for printing only.</li> <li>*5 Setup possible through Easy setup, WPS (Wi-Fi Protected Setup) or WCN (Windows Connect Now).</li> </ul>
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. 22W Standby (minimum): Approx. 3.4W* OFF: Approx. 0.9W* * USB connection to PC
External dimensions	Approx. 19.4 (W) X 17.3 (D) X 8.9 (H) inches Approx. 491 (W) X 437 (D) X 226 (H) mm * With the Paper Support and Paper Output Tray retracted.
Weight	Approx. 11.8 kg (Approx. 26.1 lb) * With the Print Head and ink tanks installed.
Print Head/Ink	Total 2,368 nozzles (PgBK 320 nozzles, Y/DyeBK each 256 nozzles, C/M each 768 nozzles)
ADF capacity	A4 or Letter size: Max. 35 sheets (20 lb/75 gsm paper), up to 0.20 inches/5 mm in height Legal size: Max. 30 sheets (20 lb/75 gsm paper), up to 0.16 inches/4 mm in height Other sizes: 1 sheet

Scan Specifications		
Scanner driver	TWAIN/WIA (for Windows 7/Windows Vista/Windows XP)	
Maximum scanning size	A4/Letter, 8.5 X 11.7 inches/216 X 297 mm (Platen Glass)/8.5 x 14.0 inches/216 x 356 mm (ADF)	
Scanning resolution	Optical resolution (horizontal x vertical) max: 2400 dpi X 4800 dpi Interpolated resolution max: 19200 dpi X 19200 dpi	
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 or Canon FAX Standard chart No.1, 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. 250 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: 8 pels/mm x 3.85 lines/mm (203 pels/inch x 98 lines/inch) Black Fine, Photo: 8 pels/mm x 7.70 lines/mm (203 pels/inch x 196 lines/inch Black Extra fine: 300 x 300 dpi Color: 200 x 200 dpi
Dialing	Automatic dialing One-touch speed dial (max. 3 destinations) Coded speed dial (max. 100 destinations) Group dial (max. 102 destinations) Regular dialing (with Numeric buttons) Automatic redialing Manual redialing (with the Redial/Pause button/max. 10 destinations)
Others	Activity report (after every 20 transactions) Sequential broadcasting (max. 104 destinations) Rejected numbers (Max 10 destinations)

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

Network Specifications					
Communication protocol	TCP/IP				
Wireless LAN	Supported Standards: IEEE802.11g/IEEE802.11b Transfer speed: IEEE802.11g: 6/9/12/18/24/36/48/54 Mbps IEEE802.11b: 1/2/5.5/11 Mbps Frequency bandwidth *1: 2.412-2.462GHz or 2.412GHz-2.472GHz Channel *1: 1-11 or 1-13 Communication distance: Indoors 50 m *2 Security: Encryption by WPA-PSK, WPA2-PSK, or WEP (64/128 bits), and access control by passwords *1 Frequency bandwidth and available channels differ depending on country or region. *2 Effective range varies depending on the installation environment and location.				
Wired LAN	Supported Standards: IEEE802.3u (100BASE-TX)/IEEE802.3 (10BASE-T) Transfer speed: 10 M/100 Mbps (auto switching)				

# Additional System Requirements for the On-Screen Manuals

V VIII GOWS	WIACIIILOSII
Browser: Easy Guide Viewer	Browser: Easy Guide Viewer
	Note: The on-screen manual may not be displayed properly
on-screen manual may not be displayed properly depending	
	recommend that you keep your system up to date.
recommend that you keep your system up to date with	
Windows Update.	

Specifications are subject to change without notice.

#### About Consumables

Consumables (ink tanks / FINE Cartridges) are available for 5 years after production has stopped.

Minimum System Requirements						
E Conform to the operating system's requirements when higher than those given here.						
	Windows	Macintosh				
Operating System Processor RAM	Windows 7 1 GHz or faster 32-bit (x86) or 64-bit (x64) processor 1 GB (32-bit)/2 GB (64-bit) Windows Vista, Vista SP1, Vista SP2 1 GHz processor 512 MB Windows XP SP2, SP3 300 MHz processor	Mac OS X v.10.6 Intel processor 1GB Mac OS X v.10.5 Intel processor, PowerPC G5, PowerPC G4 (867 MHz or faster) 512 MB Mac OS X v.10.4.11 Intel processor, PowerPC G5,				
	128 MB Windows 2000 Professional SP4 300 MHz processor 128 MB	PowerPC G4, PowerPC G3 256 MB				
Browser	Internet Explorer 6 or later	Safari				
Hard Disk Space	650 MB Note: For bundled software installation.	850 MB Note: For bundled software installation.				
CD-ROM Drive	Required	Required				
Display	SVGA 800 x 600	XGA 1024 x 768				
• Windows: Operation can only be guaranteed on a PC with Windows 7, Windows Vista, Windows XP or Windows 2000						

Windows: Operation can only be guaranteed on a PC with Windows 7, Windows Vista, Windows XP or Windows 2000
pre-installed.

 Windows: Uninstall software bundled with the Canon inkjet printer before upgrading from Windows Vista to Windows 7, then, install the bundled software again.

· Some functions may not be available with Windows Media Center.

Macintosh: Hard Disk must be formatted as Mac OS Extended (Journaled) or Mac OS Extended.

 Macintosh: After upgrading from Mac OS X v.10.5 or lower to Mac OS X v.10.6, install software bundled with the Canon inkjet printer.

• Internet Explorer 7 or later is required to install Easy-WebPrint EX.

# **Getting Help from Canon**

Email Tech Support — www.usa.canon.com/support

**Toll-Free Tech Support**— **1-800-OK-CANON** This option provides live telephone technical support, free of service charges, Monday-Friday (excluding holidays), **during the warranty period**. Telephone Device for the Deaf (TDD) support is available at 1-866-251-3752.

# **Ordering Information**

The following ink tanks are compatible with this machine.

<b>221</b> BK CLI-221BK	221 M CLI-221M	221 y CLI-221Y	220 PGBK PGI-2208K	221 c	
			Or	der #	
CLI-221BK			2946B001		
CLI-221M			2948B001		
CLI-221)	(	2949B001			
PGI-2201	BK	2945B001			
CLI-2210	2	2947B001			

Call 1-800-OK-CANON to locate a dealer near you, or visit the Canon online store at www.shop.usa.canon.com

CANON U.S.A. INC. One Canon Plaza, Lake Success, NY 11042 U.S.A. www.usa.canon.com