



# **iX6800 series**

# **Online Manual**

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

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# Read Me First

■ [Notes on Online Manual Usage](#)

■ [How to Print](#)

## Notes on Online Manual Usage

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- Although the contents of this guide have been prepared with utmost care, please contact the service center if you find any incorrect or missing information.
- 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.

## How to Print


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

To set to print background colors and images, follow the steps below.

### ▶▶▶ Note

- In Windows 8, print in the desktop version.

#### • In Internet Explorer 9 or 10

1. Select  (Tools) > **Print** > **Page setup...**
2. Select the **Print Background Colors and Images** checkbox.

#### • In Internet Explorer 8

1. Press the Alt key to display the menus.  
Alternatively, from **Tools**, select **Toolbars** > **Menu Bar** to display the menus.
2. Select **Page Setup...** from the **File** menu.
3. Select the **Print Background Colors and Images** checkbox.

#### • In Mozilla Firefox

1. Press the Alt key to display the menus.  
Alternatively, click **Firefox**, then select **Menu Bar** from the right arrow of **Options** to display the menus.
2. Select **Page Setup...** from the **File** menu.
3. Select the **Print Background (colors & images)** checkbox in **Format & Options**.

# How to Use the Online Manual

## 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.

### **Note**

- 
- Icons may vary depending on your product.
- 

## Touch-enabled Device Users

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


## Trademarks and Licenses

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- Windows Vista is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Internet Explorer is a trademark or registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- Mac, Mac OS, AirPort, Safari, Bonjour, iPad, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. AirPrint and the AirPrint logo are trademarks of Apple Inc.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Google Cloud Print, Google Chrome, Android, Google Play and Picasa are either registered trademarks or trademarks of Google Inc.
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- Photo Rag is a trademark of Hahnemühle FineArt GmbH.
- Bluetooth is a trademark of Bluetooth SIG, Inc., U.S.A. and licensed to Canon Inc.

### **Note**

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



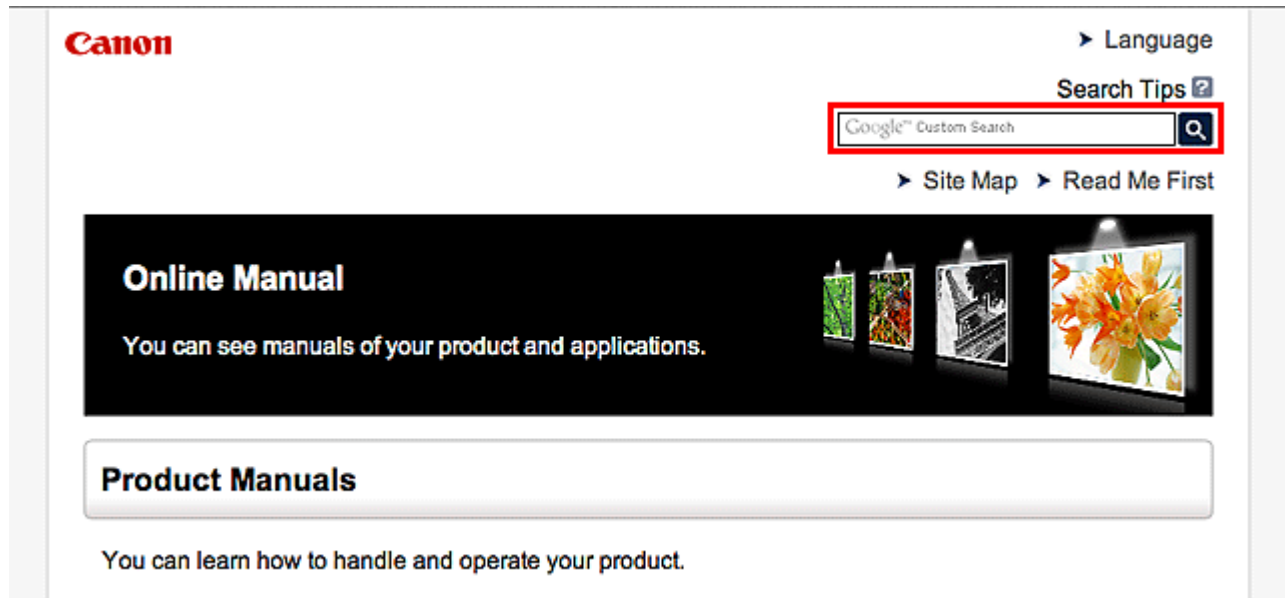
Enter keywords in the search window and click  (Search).

You can search for target pages in this guide.

Entry example: "(your product's model name) load paper", "(your product's model name) 1000"

## Search Tips

You can search for target pages by entering keywords in the search window.



### ▶▶▶ Note

- The displayed screen may vary.

- **Searching for Functions**

Enter your product's model name and a keyword for the function you want to learn about

Example: When you want to learn how to load paper

Enter "(your product's model name) load paper" in the search window and perform a search

- **Troubleshooting Errors**

Enter your product's model name and a support code

Example: When the following error screen appears

Enter "(your product's model name) 1000" in the search window and perform a search



### ►►► Note

- The displayed screen varies depending on your product.

#### • Searching for Application Functions

Enter 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

Enter your model name and a reference 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

Refer to "Color Settings Tab" for your model from Home of the *Online Manual* for details.

Enter "(your product's model name) scan Color Settings Tab" in the search window and perform a search

## Notes on Operation Explanations

In this guide, most of the operations are described based on the windows displayed when Windows 8 operating system (called Windows 8 below) is used.

## Useful Functions Available on the Printer

The following useful functions are available on the printer.  
Enjoy pleasant photography experience by utilizing various functions.

### ▶ Helpful Functions Available Through the Network



You can print more conveniently through integration with smartphones and other devices or with services on the web.

### ▶ Useful Functions Available from Applications and the Main Unit



You can create items such as collages easily or download delightful printing materials, and print them.

# Useful Functions Available from Applications and the Main Unit

On the printer, the following useful functions are available from applications and the main unit.

- [Print Photos Easily](#)
- [Download Content Materials](#)

## Print Photos Easily Using an Application

### Organize Images Easily

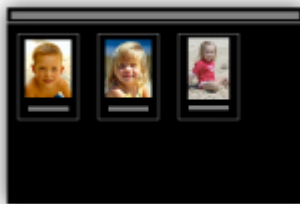
In My Image Garden, you can register the names of people and events to photos.

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.

1. In Image Display of Quick Menu, select the item you want to print.
2. 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 download 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.

## Helpful Functions Available Through the Network

The following useful functions are available on the machine.

Enjoy even more pleasant photography experience by utilizing various functions.

### ▶▶▶ Important

- Some functions may not be available in certain countries or regions.

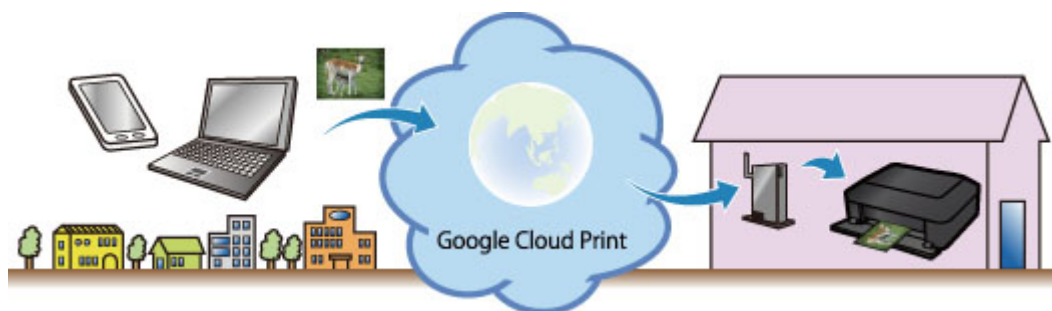
- [Print by using Google Cloud Print](#)
- [Print directly from your iPad, iPhone, or iPod touch](#)
- [Manage your printer from a remote location by using Remote UI](#)
- [Print easily from your smartphone by using PIXMA Printing Solutions](#)
- [Printing with Windows RT](#)

### Print in Various Environments with Google Cloud Print

The machine is compatible with Google Cloud Print (Google Cloud Print is a service provided by Google Inc.).

By using Google Cloud Print, you can print from anywhere with applications or services supporting Google Cloud Print.

Refer to "[Printing with Google Cloud Print](#)" for details.



### Print Directly from iPad, iPhone, or iPod touch with Apple AirPrint

The machine is compatible with the AirPrint function of Apple iOS devices.

You can directly print e-mails, photos, web pages, etc. from iPad, iPhone, or iPod touch to the machine over wireless LAN.

Refer to "[Printing from AirPrint Compliant Device](#)" for details.





## Manage your printer from a remote location by using Remote UI

By using **Remote UI**, you can set up this machine, check the machine status, and even perform maintenance from your computer or smartphone.

Because you can use this service from a remote location through the network, you can check printer information even when you're out away from the printer.

Refer to "[Using Remote UI](#)" for details.

## Print Easily from a Smartphone with PIXMA Printing Solutions

Use PIXMA Printing Solutions to easily print photos saved on a smartphone wirelessly.

You can also receive scanned data (PDF or JPEG) directly on a smartphone without using a computer.

PIXMA Printing Solutions can be downloaded from App Store and Google Play.



## Printing with Windows RT

When you use Windows RT, printing is easy because you simply connect this machine to the network.

For information about connecting to the network, see [here](#).

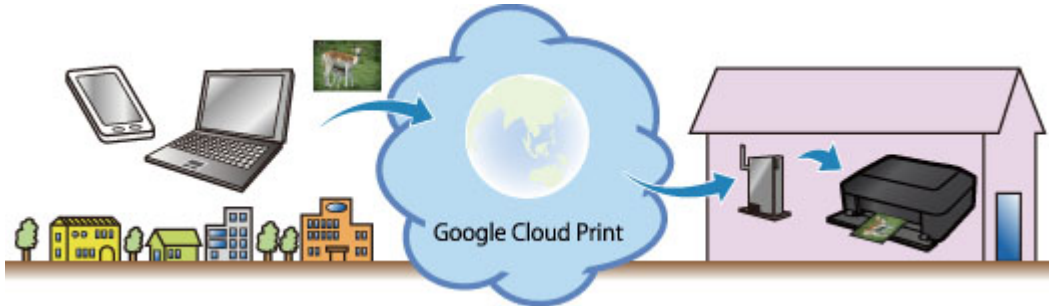
When the connection is complete, the Canon Inkjet Print Utility software, which allows you to specify detailed print settings, is downloaded automatically.

By using Canon Inkjet Print Utility, you can check the printer status and specify detailed print settings. (The available functions will differ depending on your usage environment and connection method.)

# Printing with Google Cloud Print

The machine is compatible with Google Cloud Print™ (Google Cloud Print is a service provided by Google Inc.).

By using Google Cloud Print, you can print from anywhere with applications or services supporting Google Cloud Print.



1. [Preparations for Printing with Google Cloud Print](#)
2. [Printing from Computer or Smartphone with Google Cloud Print](#)

## ►► Important

- LAN connection with the machine and Internet connection are required to register the machine and to print with Google Cloud Print. Internet connection fees apply.
- This function may not be available depending on the country or region you live in.

# Preparations for Printing with Google Cloud Print

To print with Google Cloud Print, you need to get Google account and register the machine with Google Cloud Print in advance.

## ■ [Getting Google Account](#)

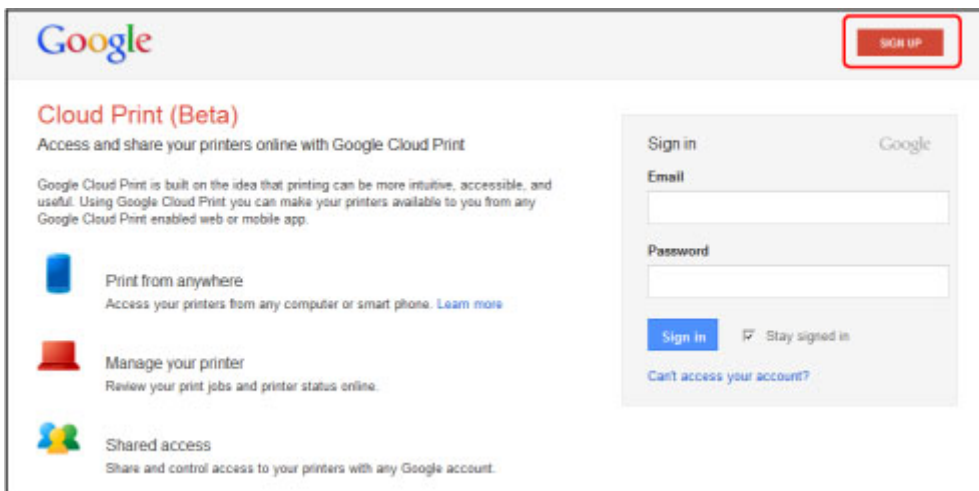
If you already have Google account, register the machine.

## ■ [Registering the Machine with Google Cloud Print](#)

### Getting Google Account

First, get your Google account in order to register the machine with Google Cloud Print.

Access to Google Cloud Print with the web browser on the computer or the mobile device, then register the required information.



\* The screen above may change without prior notice.

### Registering the Machine with Google Cloud Print

Register the machine with Google Cloud Print.

The authentication procedure using the web browser on the computer or the mobile device is required in the process of registering. Because the authentication URL is printed from machine when the authentication process is performed, prepare A4 or Letter-sized plain paper.

#### ▶▶▶ Important

- LAN connection with the machine and Internet connection are required to register the machine and to print with Google Cloud Print. Internet connection fees apply.
- If the machine's owner changes, [delete the machine from Google Cloud Print](#).

1. Make sure that the machine is turned on

#### If your printer has a LCD monitor

2. From the Home screen, select **Setup** (or press the **Setup** button on the operation panel)

3. Select **Web service setup** -> **Connection setup** -> **Google Cloud Print setup (GoogleCloudPrint)** -> **Register with Google Cloud Print (Register w/ service)**

»» **Note**

- If you have already registered the machine with Google Cloud Print, the confirmation message to re-register the machine is displayed.

4. When the confirmation screen to register the machine is displayed, select **Yes**

5. Select a display language on the print setting screen of Google Cloud Print

The confirmation message to print the authentication URL is displayed.

6. Load A4 or Letter-sized plain paper, then select OK

The authentication URL is printed.

7. Ensure that the authentication URL is printed, select **Yes**

8. Perform the authentication process using the web browser on the computer or the mobile device

Access to the URL using the web browser on the computer or the mobile device and perform the authentication process following the on-screen instructions.

»» **Note**

- Perform the authentication process with your Google account which you have gotten in advance.

9. When the message that the registration is complete is displayed on the LCD of the machine, select OK

When authentication process is complete properly, the registration items are displayed. When authentication process is complete, [you can print the data with Google Cloud Print](#).

When authentication process is not complete properly and the error message is displayed, select OK. When the confirmation message to print the authentication URL is displayed, print the authentication URL, then perform the authentication process on the computer again.

## If your printer does not have a LCD monitor

2. [Remote UI startup](#)

3. Select **Google Cloud Print setup** -> **Register with Google Cloud Print**

»» **Note**

- If you have already registered the machine with Google Cloud Print, the confirmation message to re-register the machine is displayed.

4. When the confirmation screen to register the machine is displayed, select **Yes**
5. In the print setup for Google Cloud Print, select the display language, and then select **Authentication**
6. When the registration completion message appears, select OK

## Deleting the Machine from Google Cloud Print

If the machine's owner changes or if you want to re-register the machine, delete the machine from Google Cloud Print by following the steps below.

1. Make sure that the machine is turned on

### If your printer has a LCD monitor

2. From the Home screen, select **Setup** (or press the **Setup** button on the operation panel)
3. Select **Web service setup** -> **Connection setup** -> **Google Cloud Print setup** (**GoogleCloudPrint**) -> **Delete from Google Cloud Print** (**Delete from service**)
4. When the confirmation screen to delete the machine is displayed, select **Yes**

### If your printer does not have a LCD monitor

2. [Remote UI startup](#)
3. Select **Google Cloud Print setup** -> **Delete from Google Cloud Print**
4. When the confirmation screen to delete the machine is displayed, select **Yes**

# Printing from Computer or Smartphone with Google Cloud Print

When you send print data with Google Cloud Print, the machine receives the print data and prints it automatically if the machine is turned on.

When printing from a computer, smartphone, or other external device with Google Cloud Print, load paper into the machine in advance.

## Sending the Print Data with Google Cloud Print

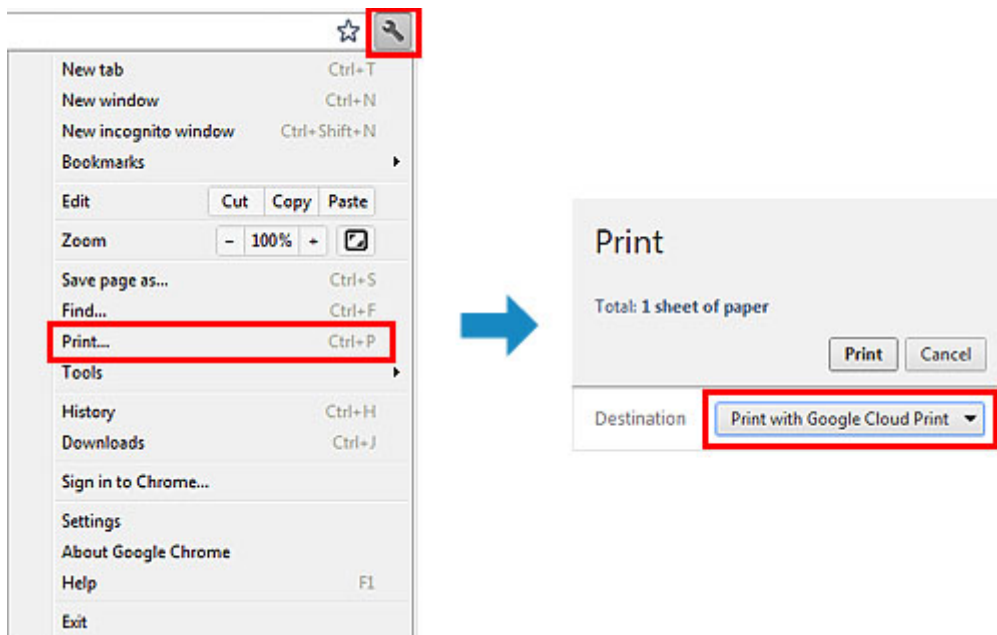
1. Make sure that the machine is turned on

### ▶▶▶ Note

- If you want to send the print data from an outside location, turn on the machine in advance.

2. Print from the computer or smartphone

The figure below is an example of when printing from the web browser corresponding with Google Cloud Print. The screen differs depending on the applications or services supporting Google Cloud Print.



When the preparation for printing with Google Cloud Print is complete and when the machine is turned on, the machine receives the print data and prints it automatically.

### ▶▶▶ Note

- Depending on the communication status, it may take a while to print the print data or the machine may not receive the print data.
- While printing with Google Cloud Print, the printing may be canceled depending on the machine's status, such as when the machine is being operated or an error has occurred. To resume printing, check the machine's status, then print with Google Cloud Print again.
- For print settings:
  - If you select the media type other than plain paper or if you select the paper size other than A4/ Letter/B5/A5-size, the print data is printed in single-sided even when you select the duplex print setting. (\* The paper size differs depending on the model of your printer. For information about

the supported paper sizes, go to the *Online Manual* home page, and refer to the "Cannot Print Properly with Automatic Duplex Printing" for your model.)

- If you select plain paper as media type or if you select B5/A5-size as paper size, the print data is printed with border even when you select the borderless print setting.
- The print results may differ from the print image depending on the print data.
- Depending on the device sending the print data, you may not select the print settings when sending the print data with Google Cloud Print.

## When you want to print from Google Cloud Print immediately

When the machine cannot receive the print data, or you want to start printing immediately, you can check whether there is a print job on the Google Cloud Print and start printing manually.

Follow the steps below.

### ▶▶ Important

- This function is not available depending on the printer you are using. To confirm whether this function is available with your printer, refer to [List of Function for Each Model](#) (Google Cloud Print).

1. Make sure that the machine is turned on
2. From the Home screen, select **Setup** (or press the **Setup** button on the operation panel)
3. Select **Web service inquiry**

### ▶▶ Note

- If you have not registered the machine with Google Cloud Print, **Web service inquiry** is not displayed.  
[Register the machine with Google Cloud Print.](#)

## If your LCD monitor is a color model

4. Select **Print from Google Cloud Print**

The confirmation screen to check is displayed.

5. Select **Yes**

If there is the print data, the machine receives the print data and prints it.

## If your LCD monitor is a monochrome model

4. Select **GoogleCloudPrint**

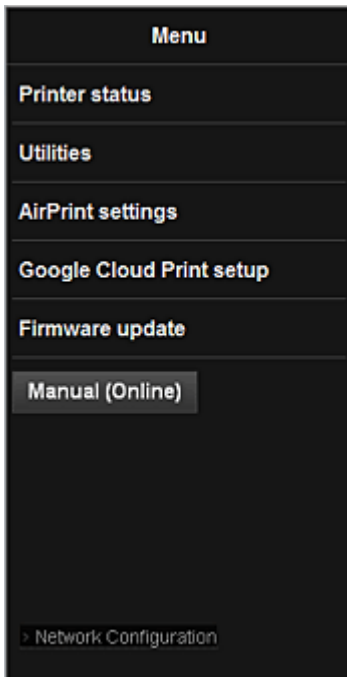
5. Press the **OK** button

Connect to the server. If print data is available, print that data.

# Using Remote UI

This service allows you to check printer information and execute utility functions from your computer or smartphone.

You can also use the convenient web services presented by Canon.



## Checking the printer IP address

To use this service, first check the IP address of this machine from the operation panel of the machine.

### »» Important

- Before you check the IP address of this machine or use the **Remote UI**, make sure that the machine is connected to the LAN and the LAN environment is connected to the Internet. Note that the customer is responsible for paying all Internet connection fees.

1. Check that the machine has been turned on

### If your printer has a LCD monitor

2. From the home window, select  **Setup** ->  **Device settings** -> **LAN settings** -> **Confirm LAN settings** -> **WLAN setting list** or **LAN setting list**. Then from the displayed window, check the IP address.

### »» Note

- To print the IP address, load one sheet of A4 size or Letter size plain paper. Then from the

home window, select  **Setup** ->  **Device settings** -> **LAN settings** -> **Confirm LAN settings** -> **Print LAN details**, in sequence.



## If your printer does not have a LCD monitor

2. Load one sheet of A4 size or Letter size plain paper
3. Hold down the **Stop** button until the **Alarm** lamp flashes 6 times
4. Release the button

Printing of the network setup information starts.

## Remote UI startup

In the Web browser, directly enter the IPv4 address that you checked from the LCD monitor of the machine. The **Remote UI** starts.

1. From your computer, smartphone, or tablet device, open the Web browser, and enter the following URL:

http:// <Printer IP address>

For "<Printer IP address>" enter the IP address that you checked in "Checking the printer IP address."

2. Entering **Username** and Administrator's Password

From the authentication screen, enter the **Username** and **Password**.

**Username:** ADMIN

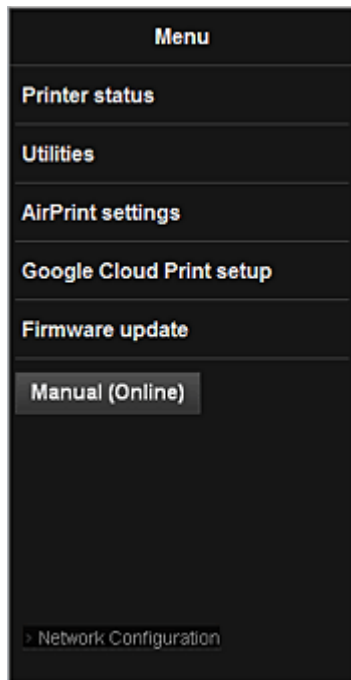
**Password:** See "About the Administrator Password."

### **Note**

- The **Username** display may differ depending on your browser.

3. **Remote UI** startup

The **Remote UI** starts and the top window is displayed.



### **Printer status**

This function displays printer information such as the remaining ink amount, the status, and detailed error information.

You can also connect to the ink purchase site or support page, and use Web Services.

### **Utilities**

This function allows you to set and execute the machine utility functions such as cleaning.

### **AirPrint settings**

This function allows you to specify the Apple AirPrint settings, such as position information.

### **Google Cloud Print setup**

This function allows you to register this machine to Google Cloud Print or delete the machine.

### **Firmware update**

This function allows you to update the firmware and check version information.

### **Manual (Online)**

This function displays the *Online Manual*.

### **Network Configuration**

This function displays the network settings.

## Printing from AirPrint Compliant Device

This document explains how to use AirPrint to print wirelessly from your iPad, iPhone and iPod touch to a Canon printer.

AirPrint enables you to print photos, email, Web pages and documents from your Apple device directly to your printer without installing a driver.



### Checking Your Environment

First, check your environment.

- **AirPrint Operation Environment**

To use AirPrint, you will need one of the following Apple devices running the latest version of iOS:

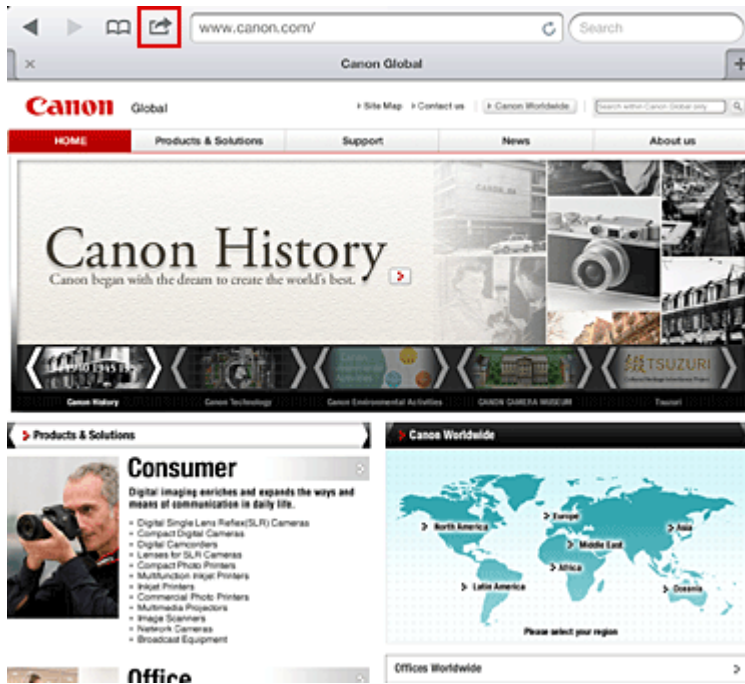
- iPad (all models)
- iPhone (3GS or later)
- iPod touch (3rd generation or later)

- **Network Environment**

The Apple device (iPad, iPhone, or iPod touch) and this machine must be connected to the same Wi-Fi network.

### Printing with AirPrint

1. Check that this machine is turned on and is connected to the LAN.
2. From the app of your Apple device, tap the operation icon to display the menu options.



3. From the menu options, tap **Print**.



4. From **Printer Options**, select the model that you are using.

### Important

- Because some app does not support AirPrint, **Printer Options** may not be displayed. If an app does not let you use printer options, you cannot print from that app.

### Note

- The printer options differ depending on the app and model you are using. Normally, when you tap **Print** and select a model name, the displayed printer options will include up to the following four options:
  - Printer: Select a model that can be used in your wireless LAN.

- Copies: Select the number of print copies.
- Duplex Printing: If the model supports duplex printing, you can select **On** or **Off**.
- Range: The page range can be used only with specific app and file types (such as PDF files).

5. For **1 Copy**, click **+** or **-** to set the number of required copies.
6. For **Duplex Printing**, click **On** to enable duplex printing or click **Off** to disable the function.
7. When printing a file type that has multiple pages, such as a PDF file, click **Range** and then click **All Pages** or select the range of pages to be printed.
8. Tap the **Print**.

When you execute printing, the printer prints according to the specified settings.

## Paper Size

With AirPrint, the paper size is selected automatically according to the app being used on the Apple device and the region in which AirPrint is used.

When Apple's photo app is used, the default paper size is L size in Japan, and 4"x6" or KG in other countries and regions.

When documents are printed from Apple's Safari app, the default paper size is letter size in the U.S. region, and A4 in Japan and Europe.

### ▶▶ Important

- Your app may support different paper sizes.

## Checking the Print Status

During printing, a **Print** icon is displayed in the list of recently used app, and you can use it to check the print progress.

To display the list of latest used app, press the **Home** button on the Apple device twice. The **Print** icon is displayed at the bottom of the **Home** screen.



## Deleting a Print Job

To delete a print job with AirPrint, use one of the following two methods:

- From the machine: If your printer has a LCD monitor, use the operation panel to cancel the print job. If your printer does not have a LCD monitor, press the **Stop** button on the machine to cancel the print job.
- From an Apple device: Press the **Home** button on the Apple device twice. Tap the **Print** icon and display the print job list. Tap the print job to be canceled, and then tap **Cancel Print**.

## AirPrint Troubleshooting

If the document does not print, check the following:

1. Check that the machine power is on. If the machine power is on, turn it off and then back on again, and check whether the issue is resolved.
2. Check that the machine is connected by LAN to the same network subnet as the device on which iOS is installed.
3. Check that the machine has enough paper and ink.
4. If your printer has a LCD monitor, check that no error message is displayed on the LCD monitor.

If the problem persists, use the printer driver on your computer to execute printing and check whether the document can be printed normally on the machine.

If the document cannot be printed, refer to the *Online Manual* for your model.

**»» Note**

- After you turn on the machine, it may take few minutes before the machine can communicate through a wireless LAN connection. Confirm that the machine is connected to the wireless LAN, and then try printing.
- If Bonjour on the machine is disabled, AirPrint cannot be used. Check the LAN settings on the machine, and enable Bonjour.

**»» Note**

- The windows used in the explanations may differ from those displayed by your Apple product or app.

## List of Function for Each Model

- [MG series](#)
- [MX series](#)
- [E series](#)
- [P series](#)
- [iP series](#)
- [iX series](#)

### MG series

Model name	Print from E-mail	Google Cloud Print	Canon Inkjet Cloud Printing Center
MG7100	✓	✓	✓
MG6500	✓	✓	✓
MG6400	✓	✓	✓
MG5500	✓	✓	✓
MG3500	–	✓	–
MG2500	–	–	–
MG2400	–	–	–

### MX series

Model name	Print from E-mail	Google Cloud Print	Canon Inkjet Cloud Printing Center
MX920	✓	✓	–
MX720	✓	✓	–
MX530	–	✓	✓
MX520	–	✓	–
MX470	–	✓	–
MX450	–	–	–
MX390	–	–	–

### E series

Model name	Print from E-mail	Google Cloud Print	Canon Inkjet Cloud Printing Center
E610	–	–	–
E560	–	✓	–
E400	–	–	–

### P series

Model name	Print from E-mail	Google Cloud Print	Canon Inkjet Cloud Printing Center
P200	–	–	–



## iP series

Model name	Print from E-mail	Google Cloud Print	Canon Inkjet Cloud Printing Center
iP8700	–	✓	–
iP2800	–	–	–

## iX series

Model name	Print from E-mail	Google Cloud Print	Canon Inkjet Cloud Printing Center
iX6800	–	✓	–
iX6700	–	–	–

# Overview of the Printer

## ▶ **Safety Guide**

- Safety Precautions
- Regulatory and Safety Information

## ▶ **Main Components and Basic Operations**

- Main Components
- About the Power Supply of the Printer

## ▶ **Loading Paper**

- Loading Paper

## ▶ **Replacing an Ink Tank**

- Replacing an Ink Tank
- Checking the Ink Status

## ▶ **Maintenance**

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

## ▶ **Changing the Printer Settings**

- Changing Printer Settings from Your Computer
- Initializing the Printer Settings

## ▶ **Information about Network Connection**

- Useful Information about Network Connection

## ▶ **About Network Communication**

- Changing and Confirming Network Settings
- Screens for Network Connection of IJ Network Tool
- Other Screens of IJ Network Tool
- Appendix for Network Communication

## ▶ **Tips for Ensuring Optimal Printing Quality**

- Useful Information about Ink
- Key Points to Successful Printing
- Be Sure to Make Paper Settings after Loading Paper
- Canceling a Print Job
- Printer Handling Precautions
- Key to Enjoying Consistent Printing Quality
- Precautions for Safe Transport of the Printer

## ▶ **Legal Limitations on Use of Your Product and Use of Images**

## ▶ **Specifications**

## **Safety Guide**

- ▶ **Safety Precautions**
- ▶ **Regulatory and Safety Information**

# Safety Precautions

## Choosing a location

- Do not install the machine in a location that is unstable or subject to excessive vibration.
- Do not install the machine in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source.  
To avoid the risk of fire or electric shocks, use the machine under the operating environment specified in the On-screen Manual.
- Do not place the machine on a thick rug or carpet.
- Do not place the machine with its back attached to the wall.

## Power supply

- Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord if necessary.
- Never remove the plug by pulling on the cord.  
Pulling the cord may damage the power cord, leading to possible fire or electrical shock.
- Do not use an extension lead/cord.

## Working around the machine

- Never put your hands or fingers in the machine while it is printing.
- When moving the machine, carry the machine at both ends. In case the machine weighs more than 14 kg, it is recommended to have two people lifting the machine. Accidental dropping of the machine causes injury. For the machine's weight, refer to the On-screen Manual.
- Do not place any object on the machine. Especially do not place metal objects (paper clips, staples, etc.) or containers of flammable solvents (alcohol, thinners, etc.) on top of the machine.
- Do not transport or use the machine on a slant, vertically or upside-down, as the ink may leak and damage the machine.

## Working around the machine (For the multifunction printer)

- When loading a thick book on the Platen Glass, do not press hard on the Document Cover. The Platen Glass may break and cause injury.

## Print Heads/ink tanks and FINE Cartridges

- Keep ink tanks out of the reach of children. In case ink\* is accidentally licked or swallowed, rinse out mouth or give one or two glasses of water to drink. If irritation or discomfort occurs, obtain medical advice immediately.  
\* Clear Ink contains nitrate salts (For models containing Clear Ink).
- In case ink gets in contact with eyes, rinse with water immediately. In case ink gets in contact with skin, wash with soap and water immediately. If irritation to eyes or skin persists, obtain medical advice immediately.
- Never touch the electrical contacts on a Print Head or FINE Cartridges after printing.  
The metal parts may be very hot and could cause burns.
- Do not throw ink tanks and FINE Cartridges into fire.
- Do not attempt to disassemble or modify the Print Head, ink tanks, and FINE Cartridges.

# Regulatory and Safety Information

## About the disposal of the battery (For models containing lithium battery)

Dispose of used batteries according to the local regulations.

## Users in the U.S.A.

FCC Notice (U.S.A. Only)

For 120V, 60Hz model

Model Number: K10390/K10391 (Contains FCC ID: AZDK30357)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

FCC ID:AZDK30357

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The equipment complies with FCC radiation exposure limits for uncontrolled equipment. This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities: hands, wrists, feet and ankles) and must not be colocated or operated with any other antenna or transmitter.

Canon U.S.A., Inc.

One Canon Park

Melville, New York 11747

1-800-652-2666

## Users in Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

## Pour les usagers résidant au Canada

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

## Users in Jordan

This printer contains WLAN Module approved by TRC/LPD/2013/130

Name of WLAN Module : K30357

## European Union (and EEA) only.



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit [www.canon-europe.com/environment](http://www.canon-europe.com/environment).

(EEA: Norway, Iceland and Liechtenstein)

## India only.



This product is not to be disposed of with your household waste, according to the e-waste (Management and Handling) Rules, 2011.

This product should be handed over to a designated collection point, e.g., to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information regarding return and recycling of WEEE products, please visit <http://www.canon.co.in/environment/>.

Also, this product complies with the "India E-waste Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 % by weight and 0.01 % by weight for Cadmium, except for the exemptions set in Schedule II of the Rule.

## Environmental Information

Reducing your environmental impact while saving money

### Power Consumption and Activation Time

The amount of electricity a device consumes depends on the way the device is used. This product is designed and set in a way to allow you to reduce your electricity costs. After the last print it switches to Ready Mode. In this mode it can print again immediately if required. If the product is not used for a time, the device switches to its Power Save Mode. The devices consume less power (Watt) in these modes. If you wish to set a longer Activation Time or would like to completely deactivate the Power Save Mode, please consider that this device may then only switch to a lower energy level after a longer period of time or not at all.

Canon does not recommend extending the Activation Times from the optimum ones set as default.

### Energy Star®

The Energy Star® programme is a voluntary scheme to promote the development and purchase of energy efficient models, which help to minimise environmental impact.

Products which meet the stringent requirements of the Energy Star® programme for both environmental benefits and the amount of energy consumption will carry the Energy Star® logo accordingly.

### Paper types

This product can be used to print on both recycled and virgin paper (certified to an environmental stewardship scheme), which complies with EN12281 or a similar quality standard. In addition it can support printing on media down to a weight of 64g/m<sup>2</sup>, lighter paper means less resources used and a lower environmental footprint for your printing needs.





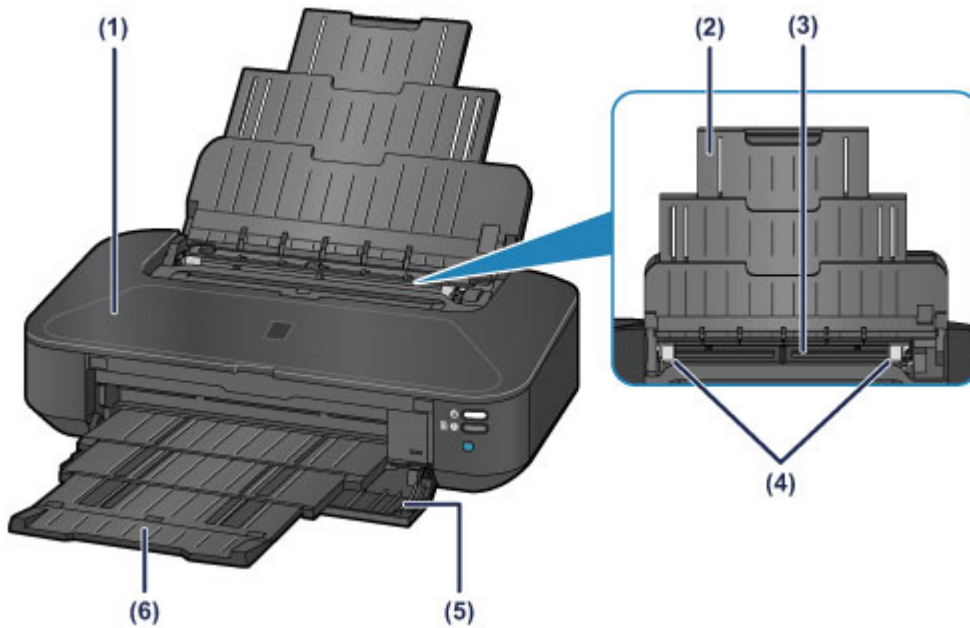
## **Main Components and Basic Operations**

- **Main Components**
- **About the Power Supply of the Printer**

## **Main Components**

- ▶ **Front View**
- ▶ **Rear View**
- ▶ **Inside View**

## Front View



### (1) top cover

Open to replace an ink tank or remove jammed paper inside the printer.

### (2) paper support

Extend to load paper in the rear tray.

### (3) rear tray

Load paper here. 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](#)

### (4) paper guides

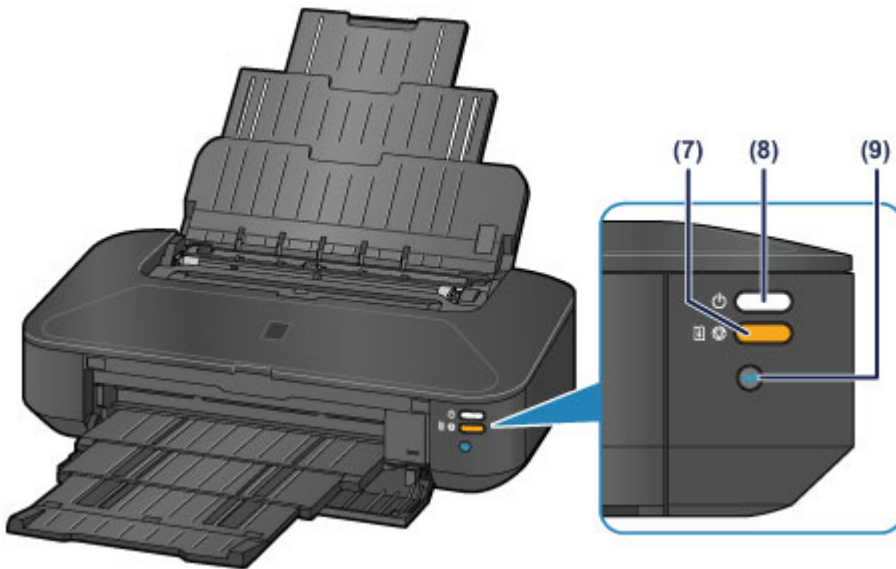
Align with both sides of the paper stack.

### (5) front cover

Open to pull out the paper output tray before printing.

### (6) paper output tray

Printed paper is ejected. Open it before printing.



\* All lamps are shown lit in the above figure for explanatory purposes.

#### (7) RESUME/CANCEL button/Alarm lamp

Press to cancel a print job in progress. This lamp lights or flashes orange when an error occurs. You can press this button to release from printer error status and resume printing, after the printer problem is resolved.

#### ▶▶ Note

- You can check the status of the printer by the **POWER** and **Alarm** lamps.
  - **POWER** lamp is off: The power is off.
  - **POWER** lamp lights white: The printer is ready to print.
  - **POWER** lamp flashes white: The printer is getting ready to print, or printing is in progress.
  - **Alarm** lamp flashes orange: An error has occurred and the printer is not ready to print.
  - **POWER** lamp flashes white and **Alarm** lamp flashes orange alternately: An error that requires contacting the service center may have occurred.

■ If an Error Occurs

#### (8) ON button/POWER lamp

Press to turn the power on or off. This lamp lights white after flashing when the power is turned on.

#### (9) Wi-Fi button/Wi-Fi lamp

Hold down to automatically set up the wireless LAN connection.

Lights or flashes blue to indicate the wireless LAN status.

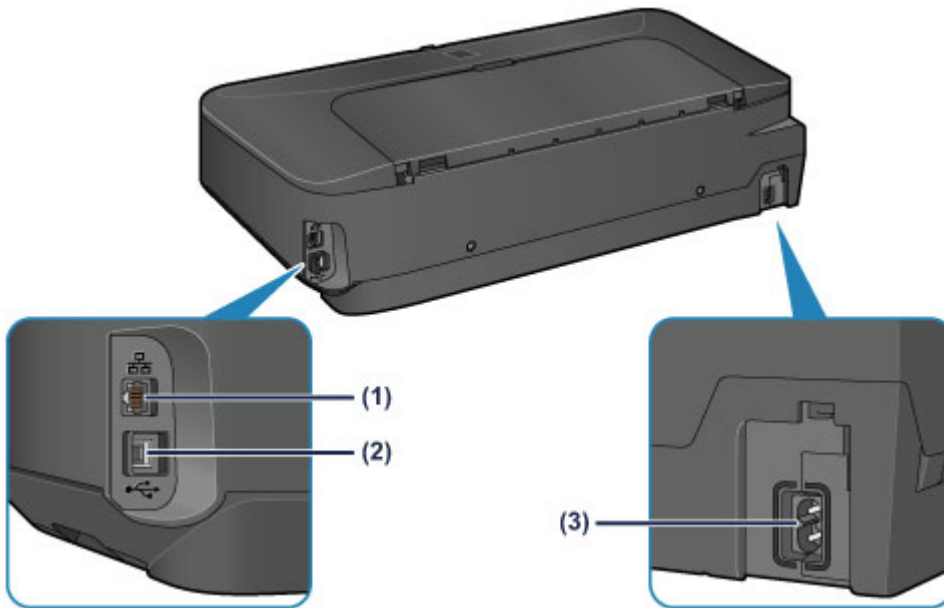
#### Lights:

Wireless LAN connection is enabled.

#### Flashes:

Printing or scanning over wireless LAN. Also flashes while configuring the wireless LAN connection.

## Rear View



### (1) wired LAN connector

Plug in the LAN cable to connect the printer to a LAN.

### (2) USB port

Plug in the USB cable to connect the printer with a computer.

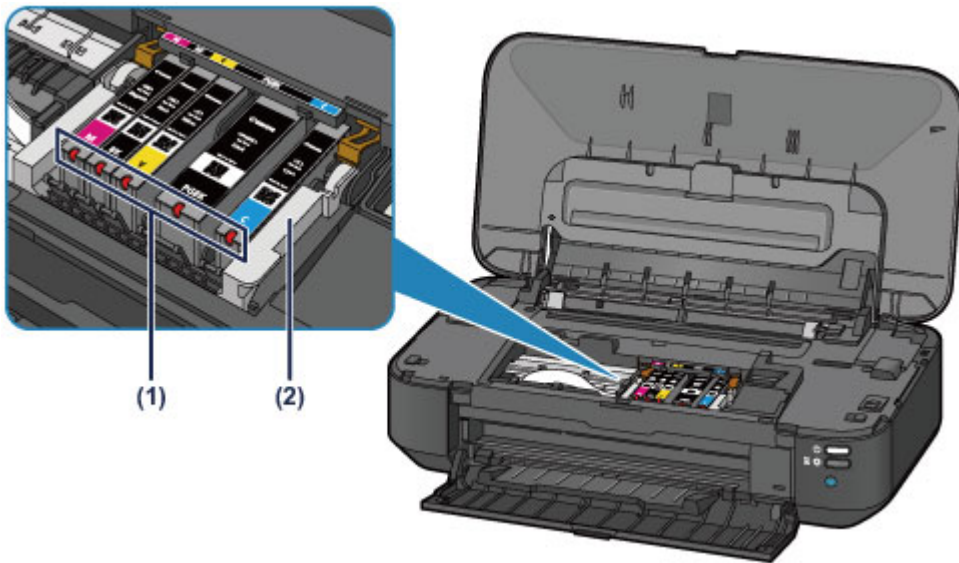
### (3) power cord connector

Plug in the supplied power cord.

## ▶▶▶ Important

- Do not touch the metal casing.
- Do not plug in or unplug the USB cable or LAN cable while printing.

## Inside View



### (1) ink lamps

Lights or flashes red to indicate the ink tank status.

■ [Checking the Ink Status with the Ink Lamps](#)

### (2) print head holder

The print head is pre-installed.

### ▶▶▶ Note

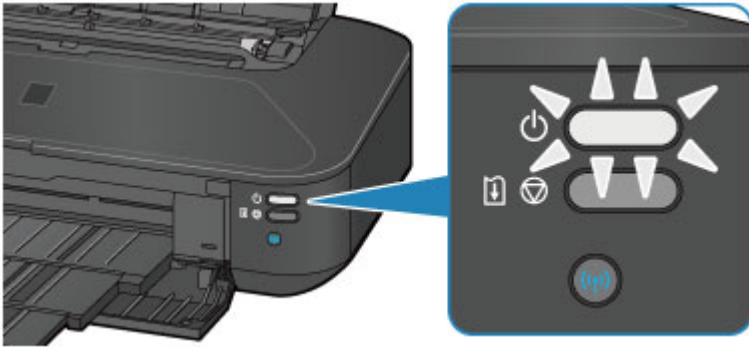
- For details on replacing an ink tank, see [Replacing an Ink Tank](#).

## **About the Power Supply of the Printer**

- **Confirming that the Power Is On**
- **Turning the Printer 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 white when the printer is turned on.



### ▶▶ Note

- It may take a while for the printer to start printing immediately after you turn on the printer.



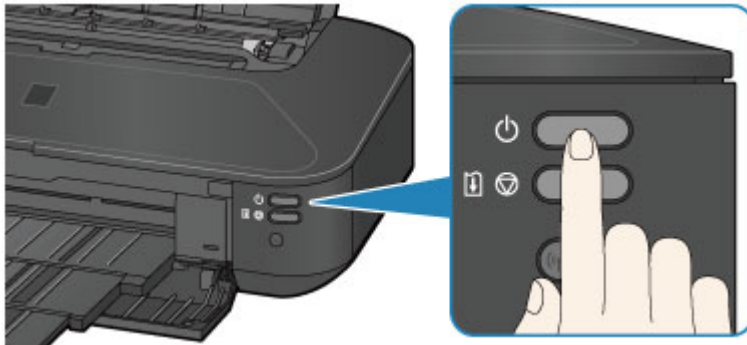
# Turning the Printer On and Off

## Turning on the printer

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

The **POWER** lamp flashes and then remains lit white.

### ■ [Confirming that the Power Is On](#)



### ▶▶▶ Note

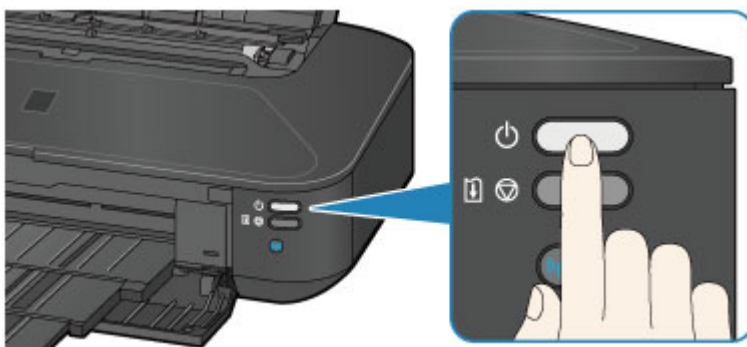
- It may take a while for the printer to start printing immediately after you turn on the printer.
- If the **Alarm** lamp flashes orange, see [If an Error Occurs](#).
- You can set the printer to automatically turn on when a print operation is performed from a computer connected by USB cable or network. This feature is set to off by default.

### ■ [Managing the Printer Power](#)

## Turning off the printer

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

When the **POWER** lamp stops flashing, the printer is turned off.



### ▶▶▶ Important

- When you [unplug the power cord](#) after turning off the printer, be sure to confirm that the **POWER** lamp is off.

### ▶▶▶ Note

- You can set the printer to automatically turn off when no print jobs are sent to the printer for a certain interval. This is the default setting.



## Notice for the Power Plug/Power Cord

Unplug the power cord once a month to confirm that the power plug/power cord 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 printer with one of the unusual conditions above may cause a fire or an electric shock.

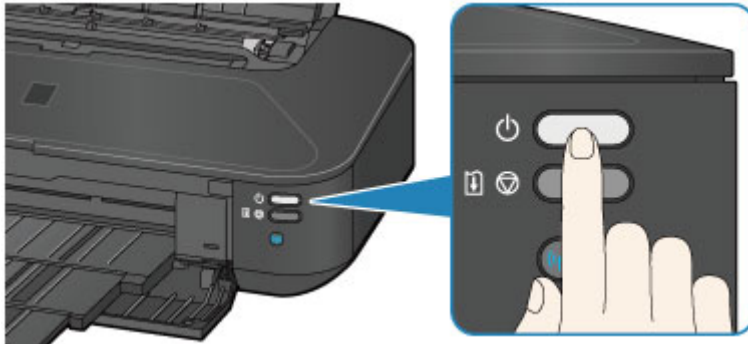
## Notice for Unplugging the Power Cord

To unplug the power cord, follow the procedure below.

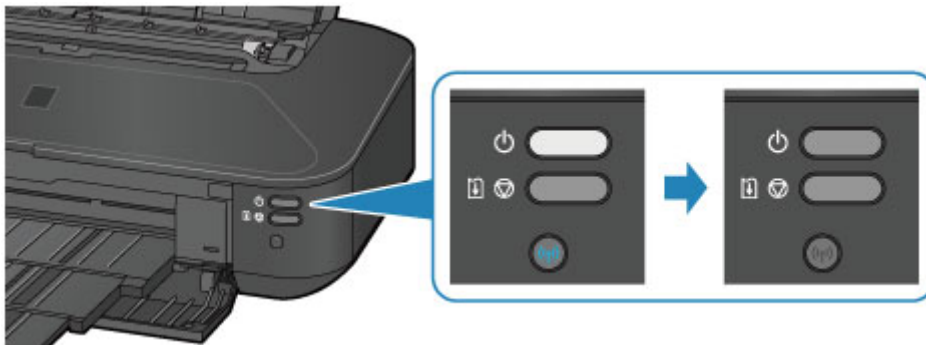
### ▶▶▶ Important

- When you unplug the power cord, press the **ON** button, then confirm that the **POWER** lamp is off. Unplugging the power cord while the **POWER** lamp is lit or flashing white may cause drying or clogging of the print head and print quality may be reduced.

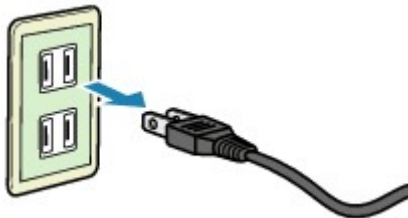
1. Press the **ON** button to turn the printer off.



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.

## Loading Paper

- ▶ Loading Paper

## **Loading Paper**

- ▶ **Loading Plain Paper / Photo Paper**
- ▶ **Loading Envelopes**
- ▶ **Media Types You Can Use**
- ▶ **Media Types You Cannot Use**
- ▶ **Printing Area**

## Loading Plain Paper / Photo Paper

You can load plain paper or photo paper.

### ▶▶▶ Important

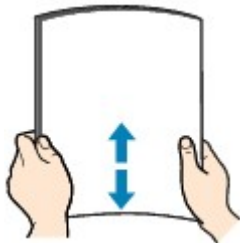
- If you cut plain paper into small size such as 4" x 6" (10 x 15 cm) or 5" x 7" (13 x 18 cm) to perform trial print, it can cause paper jams.

### ▶▶▶ 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 printer, see [Media Types You Can Use](#).

#### 1. Prepare paper.

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

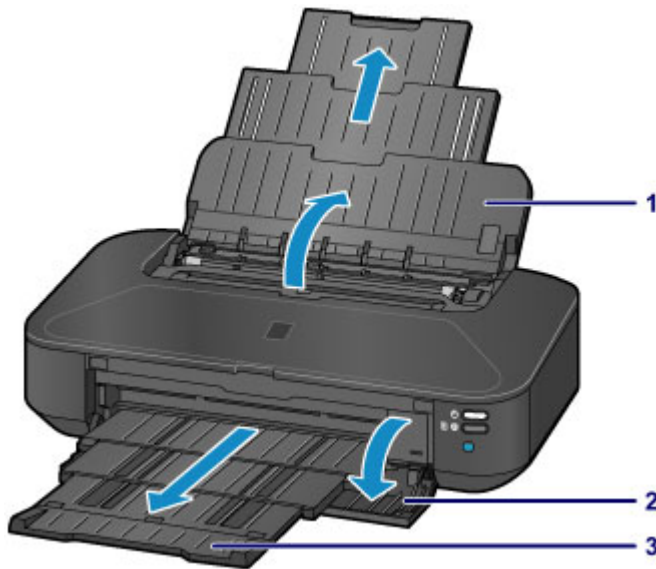


### ▶▶▶ Note

- 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.

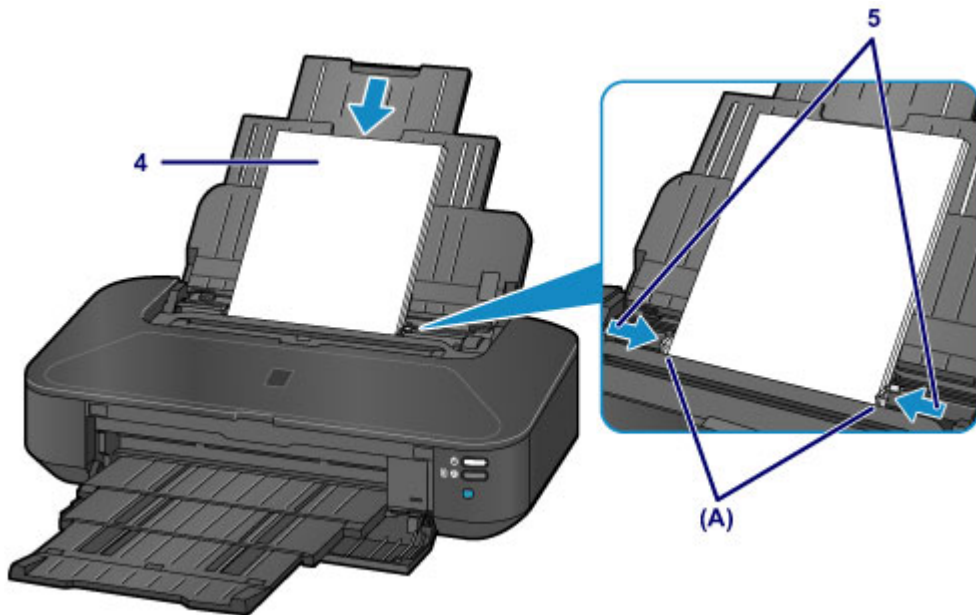
1. Open the paper support, and pull it out.
2. Open the front cover gently.
3. Pull out the paper output tray.



4. Slide the paper guides (A) to open them, and load the paper in the center of the rear tray WITH THE PRINT SIDE FACING YOU.

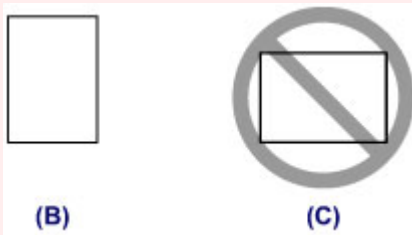
5. Slide the paper guides (A) to align them with both sides of the paper stack.

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



**Important**

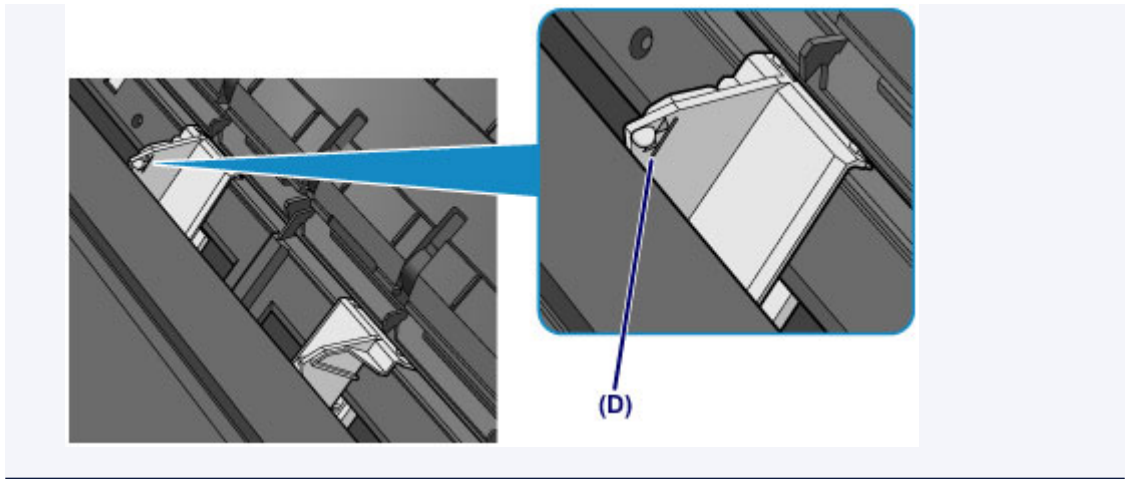
- Always load paper in the portrait orientation (B). Loading paper in the landscape orientation (C) can cause paper jams.



**Note**

- Do not load sheets of paper higher than the load limit mark (D).





**»» Note**

- After loading paper, select the size and type of the loaded paper on the print settings screen of the printer driver.

# Loading Envelopes

You can load Envelope DL and Envelope Com 10.

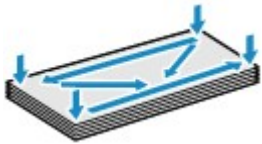
The address is automatically rotated and printed according to the envelope's direction by specifying with the printer driver properly.

## ▶▶▶ Important

- Do not use the following envelopes. They could jam in the printer or cause the printer 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.

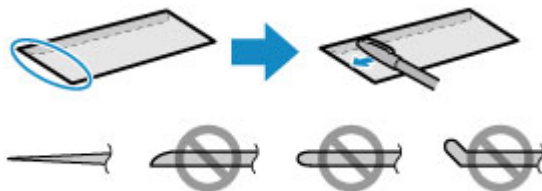
- Press down on all four corners and edges of the envelopes to flatten them.



- 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.



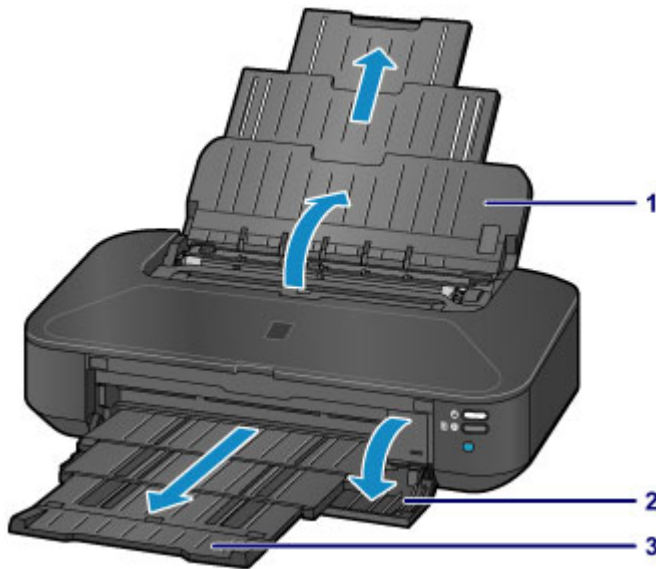
The figures above show a side view of the leading edge of the envelope.

## ▶▶▶ Important

- The envelopes may jam in the printer if they are not flat or the edges are not aligned. Make sure that no curl or puff exceeds 0.1 inch (3 mm).

### 2. Load envelopes.

1. Open the paper support, and pull it out.
2. Open the front cover gently.
3. Pull out the paper output tray.



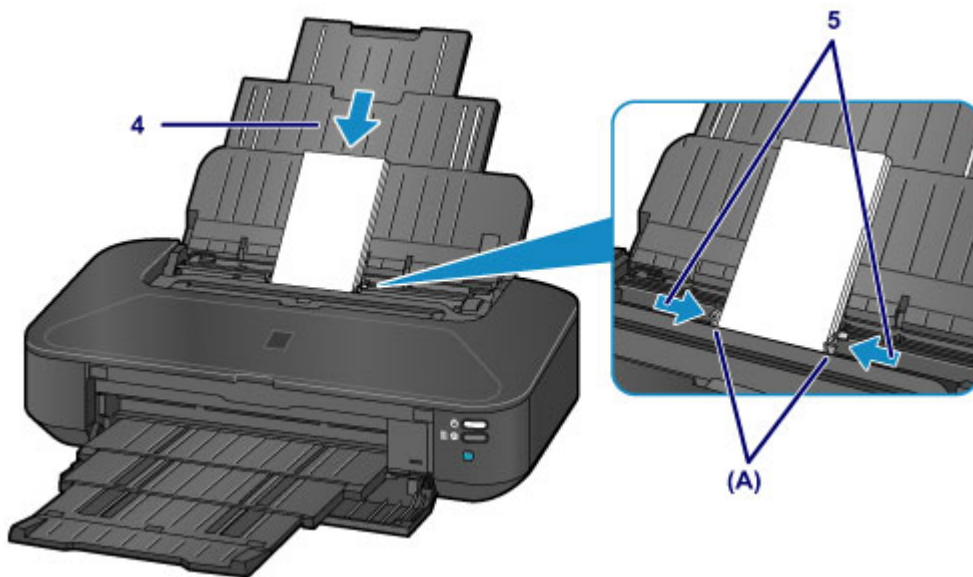
- Slide the paper guides (A) to open them, and load the paper in the center of the rear tray WITH THE PRINT SIDE FACING YOU.

The folded flap of the envelope will be faced up on the left side.

Up to 10 envelopes can be loaded at once.

- Slide the paper guides (A) to align them with both sides of the envelopes.

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



(B)



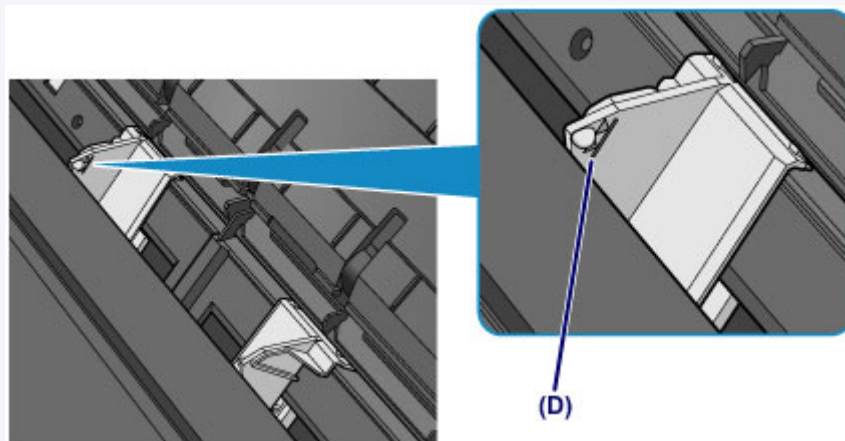
(C)

(B) Rear side

(C) Address side

▶▶▶ **Note**

- Do not load envelopes higher than the load limit mark (D).



▶▶▶ **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

### 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/GP-601>
- Photo Paper Glossy <GP-601>
- 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>

#### Paper for creating your own prints:

- T-Shirt Transfers <TR-301>
- Photo Stickers <PS-101>

\*1 100% recycled paper can be used.

■ [Paper Load Limit](#)

■ Setting the Media Type with the Printer Driver

## Page Sizes

You can use the following page sizes.

### Standard sizes:

- Letter
- Legal

- 11" x 17" (279.4 x 431.8 mm)
- A5
- A4
- A3
- A3+
- B5
- B4
- 4" x 6" (10 x 15 cm)
- 5" x 7" (13 x 18 cm)
- 8" x 10" (20 x 25 cm)
- 10" x 12" (25 x 30 cm)
- Envelope DL
- Envelope Com 10

#### **Non-standard sizes:**

You can print on non-standard size paper within the following ranges.

- Minimum size: 2.17 x 3.58 inches (55.0 x 91.0 mm)
- Maximum size: 12.95 x 26.61 inches (329.0 x 676.0 mm)

#### **Paper Weight**

You can use paper in the following weight range.

- 17 to 28 lb (64 to 105 g /m<sup>2</sup>) (except for Canon genuine paper)

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

#### **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	Rear Tray	Paper Output Tray
Plain Paper (including recycled paper)* <a href="#">1</a>	Approx. 150 sheets	Approx. 50 sheets
Envelopes	10 envelopes	<a href="#">*2</a>

## 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.>	Rear Tray
Photo Paper Pro Platinum <PT-101> <a href="#">*3</a>	1 sheet: A3+ 10 sheets: A3, 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/GP-601> <a href="#">*3</a>	1 sheet: A3+ 10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Glossy <GP-601> <a href="#">*3</a>	1 sheet: A3+ 10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Plus Glossy II <PP-201> <a href="#">*3</a>	1 sheet: A3+ 10 sheets: A3, 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> <a href="#">*3</a>	1 sheet: A3+ 10 sheets: A3, A4, and Letter
Photo Paper Plus Semi-gloss <SG-201> <a href="#">*3</a>	1 sheet: A3+ and 10" x 12" (25 x 30 cm) 10 sheets: A3, 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>	1 sheet: A3+ 10 sheets: A3, A4, and Letter 20 sheets: 4" x 6" (10 x 15 cm)

### Paper for printing business documents:

Media Name <Model No.>	Rear Tray	Paper Output Tray
------------------------	-----------	-------------------

High Resolution Paper <HR-101N>	20 sheets: A3+ 50 sheets: A3 80 sheets: A4 and Letter	20 sheets: A3+ and A3 50 sheets: A4 and Letter
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**Paper for creating your own prints:**

Media Name <Model No.>	Rear 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 Types You Cannot Use

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


- Folded, curled, or wrinkled paper
- Damp paper
- Paper that is too thin (weighing less than 17 lb (64 g /m<sup>2</sup>))
- Paper that is too thick (weighing more than 28 lb (105 g /m<sup>2</sup>), 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**

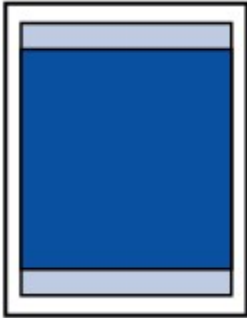
- ▶ **Printing Area**
- ▶ **Other Sizes than Letter, Legal, Envelopes**
- ▶ **Letter, Legal**
- ▶ **Envelopes**

## Printing Area

To ensure the best print quality, the printer 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

- 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/GP-601>
  - Photo Paper Glossy <GP-601>
  - 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>

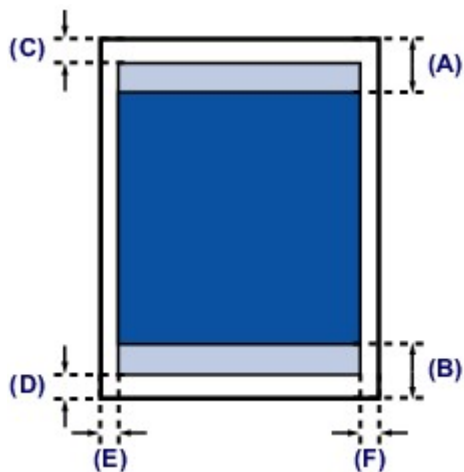
Performing Borderless Printing on any other type of paper may substantially reduce printing quality and/or result in printouts with altered color hues.

Borderless Printing on plain paper may result in printouts with reduced quality. Use them only for test printing.

- Borderless Printing is not available for legal, A5, B5, or B4 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)
A3	11.43 x 16.22 inches (290.2 x 412.0 mm)
A3+	12.69 x 18.70 inches (322.2 x 475.0 mm)
B5	6.90 x 9.80 inches (175.2 x 249.0 mm)
B4	9.85 x 14.02 inches (250.2 x 356.0 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)
10" x 12" (25 x 30 cm)	9.73 x 11.69 inches (247.2 x 296.8 mm)
11" x 17" (279.4 x 431.8 mm)	10.73 x 16.69 inches (272.6 x 423.8 mm)



Recommended printing area

(A) 1.59 inches (40.4 mm)

(B) 1.47 inches (37.4 mm)

Printable area

(C) 0.12 inch (3.0 mm)

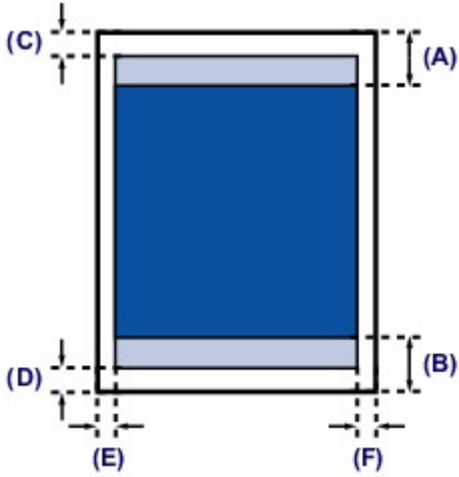
(D) 0.20 inch (5.0 mm)

(E) 0.13 inch (3.4 mm)

(F) 0.13 inch (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) 1.59 inches (40.4 mm)

(B) 1.47 inches (37.4 mm)

Printable area

(C) 0.12 inch (3.0 mm)

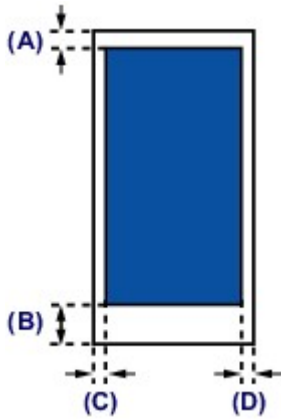
(D) 0.20 inch (5.0 mm)


(E) 0.25 inch (6.4 mm)

(F) 0.25 inch (6.3 mm)

# Envelopes

Size	Recommended Printing Area (width x height)
Envelope DL	3.88 x 7.06 inches (98.8 x 179.6 mm)
Envelope Com 10	3.68 x 7.90 inches (93.5 x 200.9 mm)



 Recommended printing area

- (A) 0.12 inch (3.0 mm)
- (B) 1.47 inches (37.4 mm)
- (C) 0.22 inch (5.6 mm)
- (D) 0.22 inch (5.6 mm)

## Replacing an Ink Tank

- ▶ Replacing an Ink Tank
- ▶ Checking the Ink Status

# Replacing an Ink Tank

When remaining ink cautions or errors occur, the **Alarm** lamp will flash orange to inform you of the error. Count the number of flashes and take appropriate action.

- If an Error Occurs

## ▶▶▶ Note

- For information on the compatible ink tank, refer to the printed manual: *Safety and Important Information*.
- If print results become faint or white streaks appear despite sufficient ink levels, see [Maintenance Procedure](#).

## Replacing Procedure

When you need to replace an ink tank, follow the procedure below.

## ▶▶▶ Important

- If you remove an ink tank, replace it immediately. Do not leave the printer with the ink tank removed.
- Use a new ink tank for replacement. Installing a used ink tank may cause the nozzles to clog. Furthermore, with such an ink tank, the printer will not be able to inform you when to replace the ink tank properly.
- Once an ink tank has been installed, do not remove it from the printer and leave it out in the open. This will cause the ink tank to dry out, and the printer may not operate properly when it is reinstalled. To maintain optimal printing quality, use an ink tank within six months of first use.

## ▶▶▶ Note

- Color ink may be consumed even when printing a black-and-white document or when black-and-white printing is specified.

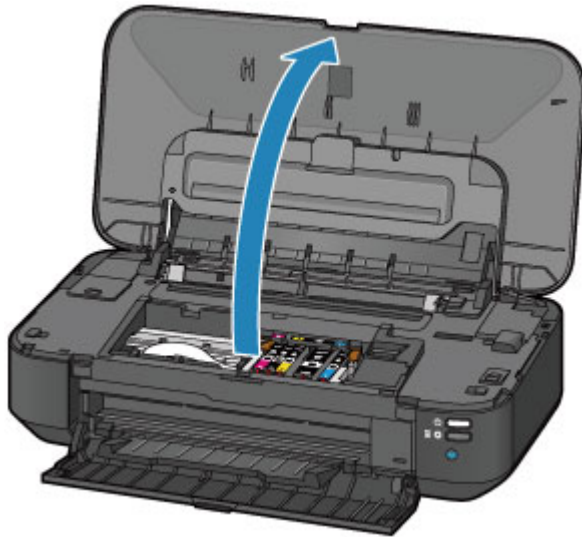
Every ink is also consumed in the standard cleaning and deep cleaning of the print head, which may be necessary to maintain the performance of the printer. When an ink tank is out of ink, replace it immediately with a new one.

- [Useful Information about Ink](#)

1. Make sure that the power is turned on, and open the front cover gently.
2. Open the top cover.

The print head holder moves to the replacement position.





### ⚠ Caution

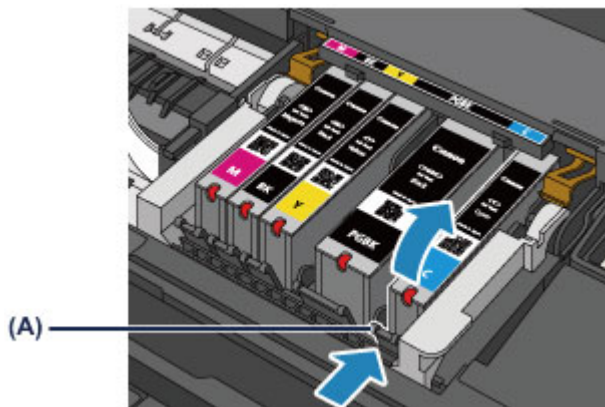
- Do not hold the print head holder to stop or move it forcibly. Do not touch the print head holder until it stops completely.

### ➤➤ Important

- Do not place any object on the top cover. It will fall into the rear tray when the top cover is opened and cause the printer to malfunction.
- Do not touch the metallic parts or other parts inside the printer.
- If the top cover is left open for more than 10 minutes, the print head holder moves to the right. In this case, close and reopen the top cover.

### 3. Remove the ink tank with the lamp flashing fast.

Push the tab (A) and lift the ink tank to remove.



### ➤➤ Important

- Do not touch other parts besides the ink tanks.
- Handle the ink tank carefully to avoid staining of clothing or the surrounding area.
- Discard the empty ink tank according to the local laws and regulations regarding disposal of consumables.

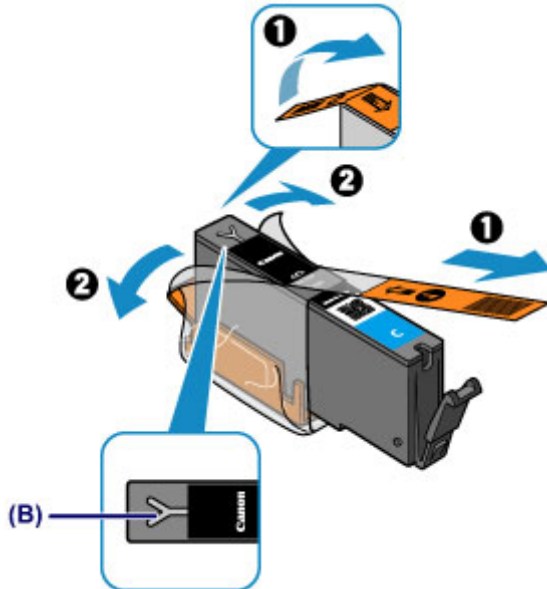
### ➤➤ Note

- Do not remove two or more ink tanks at the same time. Be sure to replace ink tanks one by one when replacing two or more ink tanks.

- For details on ink lamp flashing speed, see [Checking the Ink Status with the Ink Lamps](#).

#### 4. Prepare a new ink tank.

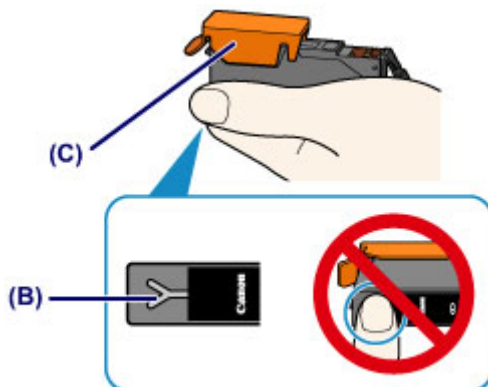
1. Take a new ink tank out of its package, remove the orange tape (❶) completely, then remove the protective film (❷) completely.



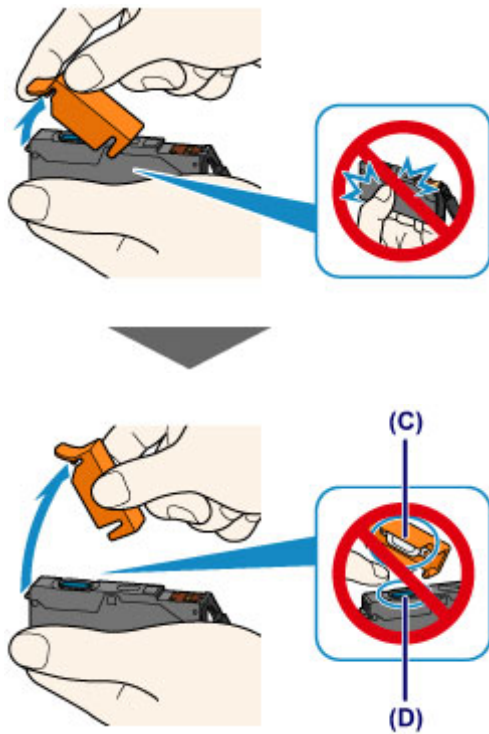
#### »» Important

- Handle an ink tank carefully. Do not drop or apply excessive pressure to it.
- If the orange tape remains on the Y-shape air hole (B), ink may splash or the printer may not print properly.

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



3. Lift up the tab on the orange protective cap (C) to remove it off GENTLY.



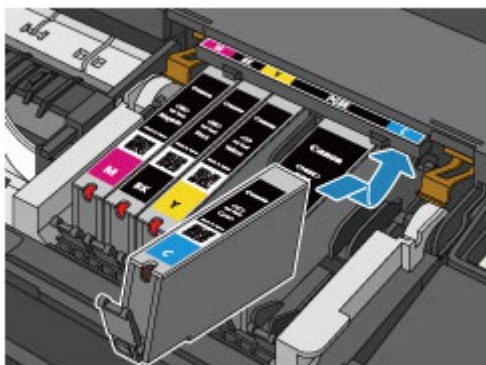
### ►► Important

- Do not push the sides of the ink tank. If you push the sides of the ink tank with the Y-shape air hole (B) blocked, ink may splash.
- Do not touch the inside of the orange protective cap (C) or the open ink port (D). The ink may stain your hands if you touch them.
- Do not reattach the protective cap (C) once you have removed it. Discard it according to the local laws and regulations regarding disposal of consumables.

## 5. Install the new ink tank.

1. Insert the front end of the ink tank into the print head at a slant.

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

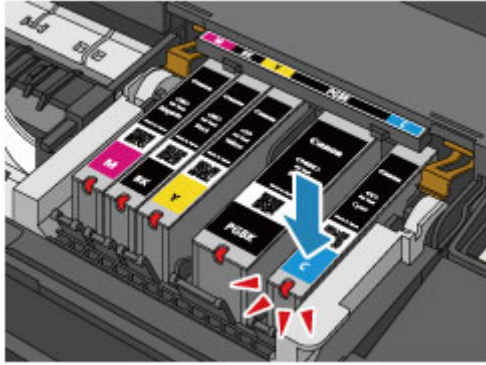


### ►► Note

- To install a black pigment (PGBK) ink tank, insert it in the middle of the correct position with equal spaces on the left and right sides.

2. Press on the top of the ink tank until the ink tank snaps firmly into place.

Make sure that the ink lamp lights up red.



### ►► Important

- You cannot print if the ink tank is installed in the wrong position. Be sure to install the ink tank in the correct position according to the label on the print head holder.
- You cannot print unless all the ink tanks are installed. Be sure to install all the ink tanks.

6. Close the top cover.

### ►► Note

- If the **Alarm** lamp still flashes orange after the top cover is closed, take appropriate action.
  - If an Error Occurs
- When you start printing after replacing the ink tank, the printer starts cleaning the print head automatically. Do not perform any other operations until the printer completes the cleaning of the print head. While cleaning is in progress, the **POWER** lamp is flashing white.
- If the print head is out of alignment, as indicated by misaligned printed ruled lines or similar symptoms, [align the print head](#).

## Checking the Ink Status

- ▶ **Checking the Ink Status with the Ink Lamps**

You can also check the ink status on the computer screen.

- ▶ Checking the Ink Status from Your Computer

## Checking the Ink Status with the Ink Lamps

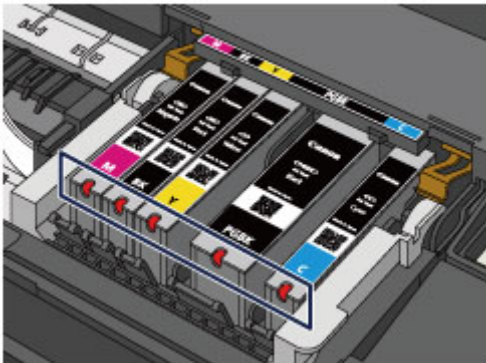
1. Make sure that the power is turned on, and open the front cover gently.
2. Open the top cover.

■ [Replacing Procedure](#)

3. Check the ink lamp.

Close the top cover after checking the ink lamp status.

■ [Replacing Procedure](#)



- The ink lamp is on.  
The ink tank is correctly installed.
- The ink lamp is flashing.

### Flashing slowly (at around 3-second intervals)



Ink tank is running low. Prepare a new ink tank.

### ▶▶ Note

- When printing on A3 size or larger paper, ink may run out during printing. This may cause blurred print results or horizontal white streaks.

### Flashing fast (at around 1-second intervals)



- The ink tank is installed in the wrong position.

Or

- The ink has run out.

Make sure that the ink tank is installed in the correct position as indicated by the label on the print head holder. If the position is correct but the lamp flashes, there has been an error and the printer cannot print. Check the **Alarm** lamp on the printer.

■ If an Error Occurs

- The ink lamp is off.

The ink tank is not installed properly or the function for detecting the remaining ink level is disabled. If the ink tank is not firmly in place, make sure that the orange protective cap has been

removed from the bottom of the ink tank, then press on the top of the ink tank until the ink tank clicks into place.

If the ink lamp is still off after reinstalling the ink tank, there has been an error and the printer cannot print. Check the **Alarm** lamp on the printer.

■ If an Error Occurs

## ▶▶ Note

- 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 Printer**



## **When Printing Becomes Faint or Colors Are Incorrect**

- **Maintenance Procedure**
- **Printing the Nozzle Check Pattern**
- **Examining the Nozzle Check Pattern**
- **Cleaning the Print Head**
- **Aligning the Print Head**

## Maintenance Procedure

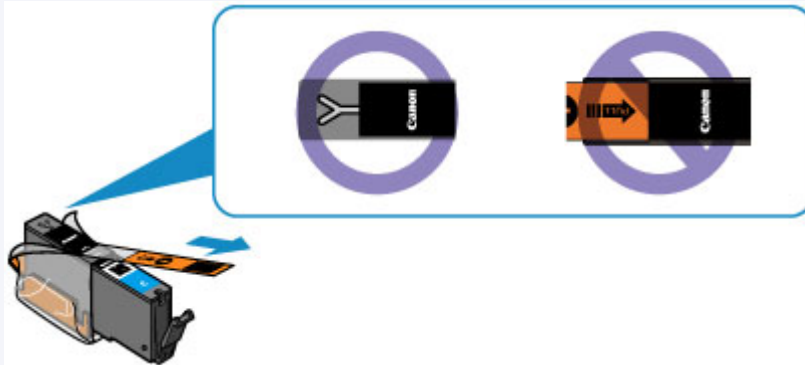
If print results are blurred, colors are not printed correctly, or print results are unsatisfactory (e.g. misaligned printed ruled lines), perform the maintenance procedure below.

### ▶▶▶ Important

- Do not rinse or wipe the print head and ink tank. This can cause trouble with the print head and ink tank.

### ▶▶▶ Note

- Make sure that the orange protective tape does not remain on the ink tank.



- Open the top cover and make sure that the lamp on the ink tank is lit red. If the lamp is flashing or off, take appropriate action.
  - [Checking the Ink Status with the Ink Lamps](#)
- 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:

**Step1** Print the nozzle check pattern.

From the printer

- [Printing the Nozzle Check Pattern](#)

From the computer

- [Use Your Computer to Print a Nozzle Check Pattern](#)

**Step2** [Examine the nozzle check pattern.](#)

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



**Step3** Clean the print head.

From the printer

- [Cleaning the Print Head](#)

From the computer

■ [Cleaning the Print Heads from Your Computer](#)

After cleaning the print head, print and examine the nozzle check pattern: ➔ [Step 1](#)

**If the problem is not resolved after performing from step 1 to step 3 twice:**



|| **Step 4** Clean the print head deeply.

From the computer

■ [Cleaning the Print Heads from Your Computer](#)

▶▶▶ **Note**

- When you have performed the procedure until step 4 and the problem has not been resolved, turn off the power and clean the print head deeply again after 24 hours.  
If the problem is still not resolved, the print head may be damaged. Contact the service center.

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

|| **Step** Align the print head.

From the printer

■ [Aligning the Print Head](#)

From the computer

■ [Aligning the Print Head Position from Your Computer](#)

## 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 ink tank](#) whose ink is low.

**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 rear tray.
3. Open the front cover gently, then pull out the paper output tray.
4. Hold down the **RESUME/CANCEL** button until the **POWER** lamp flashes white twice, then release it immediately.

The nozzle check pattern will be printed.

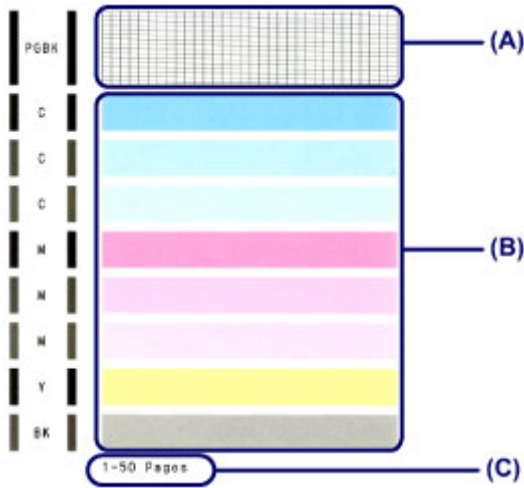
Do not perform any other operations until the printer completes the printing of the nozzle check pattern.

5. [Examine the nozzle check pattern.](#)

# 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 (A) or horizontal white streaks in the pattern (B).



(C) Number of sheets printed so far

**If there are missing lines in the pattern (A):**

[Cleaning the print head](#) is required.



(D) Good

(E) Bad (lines are missing)

**If there are horizontal white streaks in the pattern (B):**

[Cleaning the print head](#) is required.



(F) Good

(G) 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. Hold down the **RESUME/CANCEL** button until the **POWER** lamp flashes white once, then release it immediately.

The printer starts cleaning the print head.

The cleaning will be complete when the **POWER** lamp lights white after flashing.

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

3. Check the print head condition.

[Print the nozzle check pattern](#) to check the print head condition.

### Note

- If the problem is not resolved after cleaning the print head twice, clean the print head deeply.

■ [Cleaning the Print Heads from Your Computer](#)

## 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 ink tank](#) whose ink is low.

**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 rear tray.
3. Open the front cover gently, then pull out the paper output tray.
4. Hold down the **RESUME/CANCEL** button until the **POWER** lamp flashes white four times, then release it immediately.

The print head alignment sheet will be printed and the print head position will be adjusted automatically.

Do not perform any other operations until the printer completes the printing of the print head alignment sheet. This takes about 2 to 3 minutes.

### ▶▶▶ Note

- If the automatic adjustment of the print head position has failed, the **Alarm** lamp flashes orange.
  - If an Error Occurs
- 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 Manually from Your Computer](#)

## Performing Maintenance from a Computer

- [Cleaning the Print Heads from Your Computer](#)
- [Cleaning the Paper Feed Rollers from Your Computer](#)
- [Aligning the Print Head](#)
- [Aligning the Print Head Position from Your Computer](#)
- [Use Your Computer to Print a Nozzle Check Pattern](#)
- [Cleaning Inside the Printer](#)



# 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 printer 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 printer 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 printer, wait 24 hours, and then perform **Deep Cleaning** again. If there is still no sign of improvement, the ink may have run out or the print head may be worn. For details on the remedial action to be taken, 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 printer

Remove all sheets of paper from the rear 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 printer 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 rear 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 printer, you can adjust the print head either [automatically](#) or [manually](#).

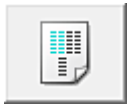
# Aligning the Print Head Position from Your Computer

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

This printer supports two head alignment methods: automatic head alignment and manual head alignment. Normally, the printer is set for automatic head alignment.

If the printing results of automatic print head alignment are not satisfactory, [perform manual head alignment](#).

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



## Print Head Alignment

1. Open the printer driver setup window
2. Click **Print Head Alignment** on the **Maintenance** tab

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

3. Load paper in the printer

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

### ▶▶▶ Note

- The number of sheets to be used differs when you select the manual head alignment.

4. Execute head alignment

Make sure that the printer is on and click **Align Print Head**.

Follow the instruction in the message.

### ▶▶▶ Important

- Do not open the top cover while printing is in progress.

### ▶▶▶ Note

- Wait until printing ends before performing other operations. Printing takes about 2 to 3 minutes to complete.
- To print and check the current setting, open the **Start Print Head Alignment** dialog box, and click **Print Alignment Value**.

# Aligning the Print Head Position Manually from Your Computer

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

This printer supports two head alignment methods: [automatic head alignment](#) and manual head alignment. Normally, the printer is set for automatic head alignment.

If the printing results of automatic print head alignment are not satisfactory, perform manual head alignment.

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.

### ▶▶▶ Note

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

3. Switch head alignment to manual
4. Apply the settings
5. Click **Print Head Alignment** on the **Maintenance** tab

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

6. Load paper in the printer
  7. Execute head alignment
- Load three sheets of A4 size or Letter size plain paper into the rear tray.
- Make sure that the printer is on and click **Align Print Head**. Follow the instruction in the message.

### ▶▶▶ Important

- Do not open the top cover while printing is in progress.

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)



(B)

- (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)



(B)

- (A) Least noticeable horizontal streaks
- (B) Most noticeable horizontal streaks

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

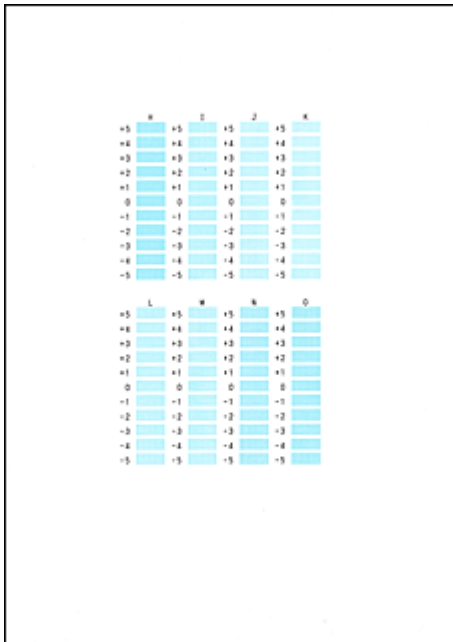
The second pattern is printed.

**▶▶▶ Important**

- Do not open the top cover while printing is in progress.

10. 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 vertical streaks.



(A)



(B)

- (A) Least noticeable vertical streaks
- (B) Most noticeable vertical streaks

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

The third pattern is printed.

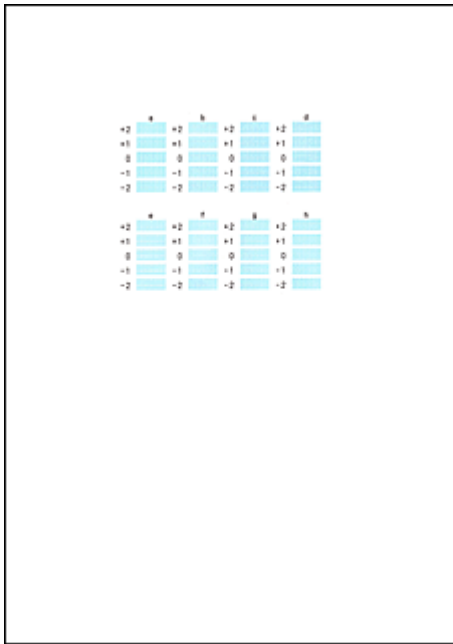
**▶▶ Important**

- Do not open the top cover while printing is in progress.

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 printer

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

4. Print a nozzle check pattern

Make sure that the printer 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 Printer

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.

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 printer

As instructed in the dialog box, fold the A4 size or Letter size plain paper in half lengthwise, and then unfold the sheet.

Load the paper into the rear tray in the landscape orientation with the crest of the crease facing down.

4. Perform the bottom plate cleaning

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

Bottom plate cleaning starts.

## **Cleaning the Printer**

- **Cleaning the Exterior of the Printer**
- **Cleaning the Inside of the Printer (Bottom Plate Cleaning)**

You can also clean the paper feed roller from a computer.

- **Cleaning the Paper Feed Rollers from Your Computer**

## Cleaning the Exterior of the Printer

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 unplug the power cord before cleaning the printer.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface. Paper tissue powder or fine threads may remain inside the printer and cause problems such as print head blockage and poor printing results.
- Never use volatile liquids such as thinners, benzene, acetone, or any other chemical cleaner to clean the printer, as this may cause a malfunction or damage the surface of the printer.

## Cleaning the Inside of the Printer (Bottom Plate Cleaning)

Remove stains from the inside of the printer. If the inside of the printer 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 rear tray.
2. Prepare paper.
  1. Fold a single sheet of A4 or Letter-sized plain paper in half lengthwise, then unfold the paper.
  2. Load this sheet of paper sideways in the rear tray with the open side facing you.
  3. Open the front cover gently, then pull out the paper output tray.



3. Hold down the **RESUME/CANCEL** button until the **POWER** lamp flashes white five times, then release it immediately.

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

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

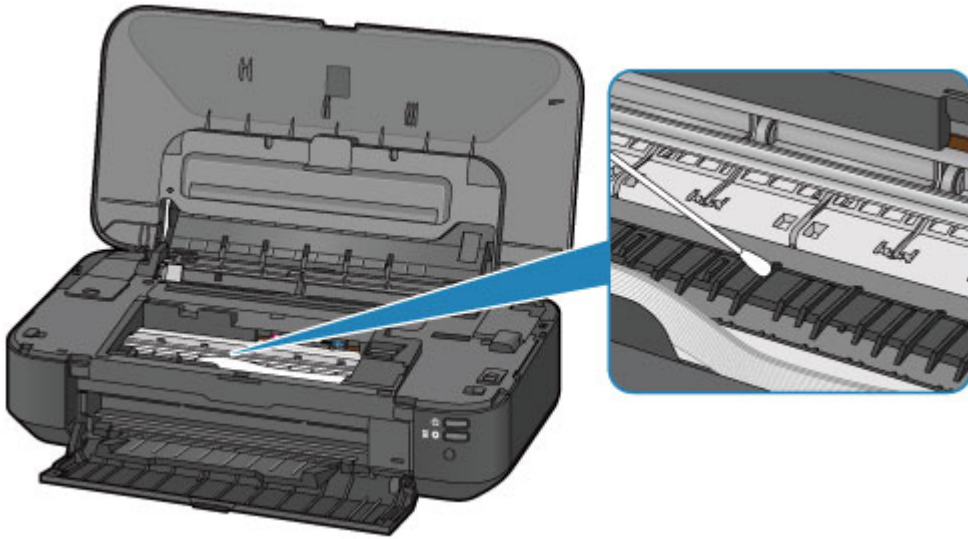
### ▶▶▶ Note

- When performing Bottom Plate Cleaning again, be sure to use a new piece of paper.

If the problem is not resolved after performing cleaning again, the protrusions inside the printer may be stained. Wipe off any ink from the protrusions using a cotton swab or the like.

### ▶▶▶ Important

- Be sure to turn off the power and unplug the power cord before cleaning the printer.



## **Changing the Printer Settings**

- ▶ **Changing Printer Settings from Your Computer**
- ▶ **Initializing the Printer Settings**



## **Changing Printer Settings from Your Computer**

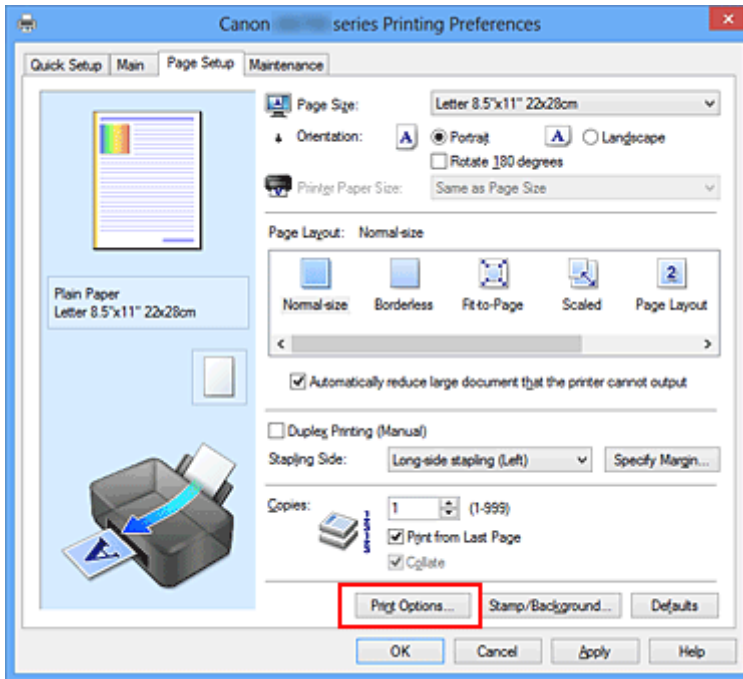
- **Changing the Print Options**
- **Registering a Frequently Used Printing Profile**
- **Managing the Printer Power**
- **Reducing the Printer Noise**
- **Changing the Printer Operation Mode**

# Changing the Print Options

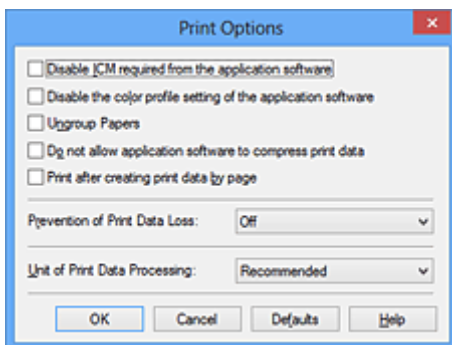
You can change the detailed printer driver settings for print data that is sent from an application software. Specify this option if you encounter print failures such as part of an image data being cut off.

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:

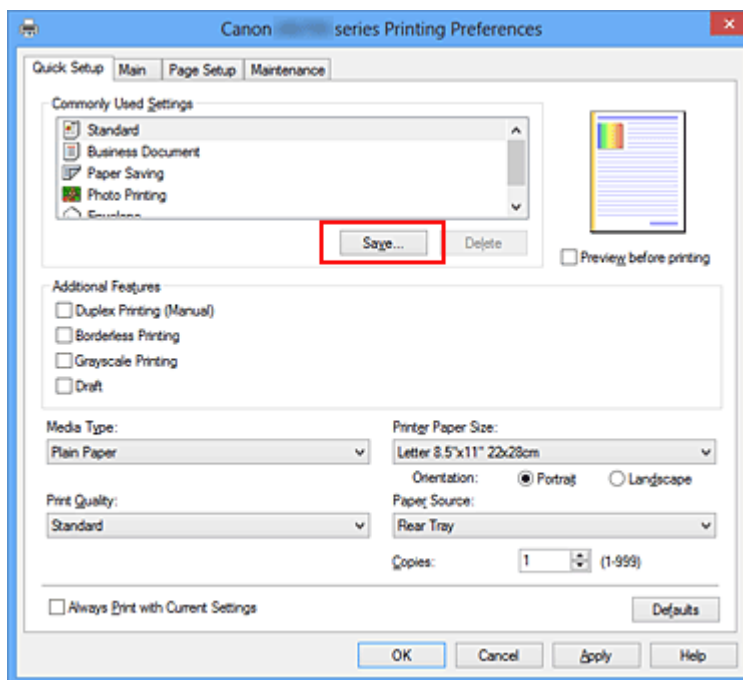
### Registering a Printing Profile

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 re-install the printer driver or upgrade the printer driver version, the print settings that are already 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.

# Managing the Printer Power

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

The procedure for managing the printer power is as follows:



## Power Off

The **Power Off** function turns off the printer. When you use this function, you will not be able to turn the printer 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 printer power switches off, and the **Maintenance** tab is displayed again.



## Auto Power

**Auto Power** allows you to set **Auto Power On** and **Auto Power Off**.

The **Auto Power On** function automatically turns on the printer when data is received.

The **Auto Power Off** function automatically turns off the printer when there are no operations from the printer driver or the printer for a specified period of time.

1. Open the printer driver setup window
2. Make sure that the printer is on and then click **Auto Power** on the **Maintenance** tab

The **Auto Power Settings** dialog box opens.

### ▶▶▶ Note

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

3. If necessary, complete the following settings:

#### **Auto Power On**

Specifying **Enable** from the list will turn the printer on upon receipt of print data.

#### **Auto Power Off**

Specify the time from the list. When this time lapses without any operations from the printer driver or the printer, the printer is turned off automatically.

4. Apply the settings

Click **OK**. When the confirmation message appears, click **OK**.

The **Maintenance** tab is displayed again.

The setting is enabled after this. When you want to disable this function, select **Disable** from the list according to the same procedure.

### ▶▶▶ Note

- When the printer is turned off, the Canon IJ Status Monitor message varies depending on the **Auto Power On** setting.

When the setting is **Enable**, "Printer is standing by" is displayed. When the setting is **Disable**, "Printer is offline" is displayed.

### ▶▶▶ Important

- If you connect this printer to a network and use it, you can set **Auto Power Off** but the power will not switch off automatically.

# Reducing the Printer Noise

The silent function allows you to reduce the operating noise of this printer. 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 printer is off or if communication between the printer and the computer is disabled, an error message may appear because the computer cannot collect the printer 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 printer with volume of normal operating noise.

#### **Always use quiet mode**

Select this option when you wish to reduce the operating noise of the printer.

#### **Use quiet mode during specified hours**

Select this option when you wish to reduce the operating noise of the printer 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 printer or the printer driver.  
No matter how you use to set the quiet mode, the mode is applied when you perform operations from the printer or printing from the computer.
- If you specify a time for **Use quiet mode during specified hours**, quiet mode is not applied to operations (direct print, etc.) performed directly from the printer.

4. Apply the settings

Make sure that the printer 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 Printer Operation Mode

If necessary, switch between various modes of printer operation.

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



## Custom Settings

1. Open the printer driver setup window
2. Make sure that the printer is on, and then click **Custom Settings** on the **Maintenance** tab

The **Custom Settings** dialog box opens.

### ►►► Note

- If the printer is off or if communication between the printer and the computer is disabled, an error message may appear because the computer cannot collect the printer 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 printer 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 of automatic print head alignment are not satisfactory, [perform 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 jam

Check this item only if A3 plain paper jams frequently near the paper exit.

### ►►► Important

- When this function is used, it takes longer to print to A3 plain paper. Also the print quality may deteriorate.

#### 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.

### Detect the paper width when printing from computer

When you print from the computer, this function identifies the paper that was loaded into this printer.

When the paper width detected by the printer differs from the width of the paper specified in **Page Size** on the **Page Setup** tab, a message is displayed.

To use paper width detection when printing from the computer, select the check box.

#### ▶▶▶ Important

- If you are using user-defined paper, use the **Custom Paper Size** to correctly set the size of the paper loaded in the printer.  
If an error message is displayed even though the same size that was set is loaded, clear the check box.

### Ink Drying Wait Time

You can set the length of the printer 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 printer operates with the modified settings hereafter.

## Initializing the Printer Settings

You can initialize the printer settings.

### ▶▶▶ Important

- When using the printer over LAN, note that initialization erases all network settings on the printer, and printing operation from a computer over network may become impossible. To use the printer over network, perform setup with the Setup CD-ROM or perform it according to the instructions on our website.

To initialize the printer settings, press and hold the **RESUME/CANCEL** button, then release the button when the **POWER** lamp flashes white 15 times.

All the printer settings are initialized.

### ▶▶▶ Note

- You cannot initialize the current position of the print head.

## Information about Network Connection

- ▶ [Useful Information about Network Connection](#)

## Useful Information about Network Connection

- **Initial Values Set at Factory (Network)**
- **Connecting the Printer to the Computer Using a USB Cable**
- **When Detecting the Printers Have the Same Name during Setup**
- **Connecting to Other Computer with LAN/Changing the Connection Method from USB to LAN**
- **Printing Out Network Setting Information**

## Initial Values Set at Factory (Network)

Item	Initial Values
Change wireless/wired LAN	Enable wireless LAN
SSID	BJNPSETUP
Communication mode	Infrastructure
Wireless LAN security	Disable
IPv4 IP address	Auto setup
IPv6 IP address	Auto setup
Set printer name*	XXXXXXXXXXXXXX
Enable/disable IPv6	Enable
Enable/disable WSD (WSD settings)	Enable
Timeout setting (WSD settings)	1 minute
Enable/disable Bonjour (Bonjour settings)	Enable
Service name (Bonjour settings)	Canon iX6800 series
LPR protocol setting	Enable
Wireless LAN DRX	Enable
Wired LAN DRX	Enable

(\* The initial value in this item varies by the printer.)

## Connecting the Printer to the Computer Using a USB Cable

Connect the printer and the computer using a USB cable as the illustration below. The USB port is located on the rear of the printer.



## When Detecting the Printers Have the Same Name during Setup

When the printer is detected during setup, you may see multiple printers of the same name on the detection result screen.

Select a printer with checking the MAC address set to the printer against the MAC address on detection result screen.

To check the MAC address of the printer, print out the network setting information.

■ [Printing Out Network Setting Information](#)



## **Connecting to Other Computer with LAN/Changing the Connection Method from USB to LAN**

To add the computer connecting the printer with LAN or to change the connection method between the printer and the computer from USB to LAN, perform setup with the Setup CD-ROM or perform it according to the instructions on our website.

### **Connecting to Other Computer with LAN**

To add the computer connecting the printer with LAN, perform setup with the Setup CD-ROM or perform it according to the instructions on our website.

### **Changing the Connection Method from USB to LAN**

To change the connection method between the printer and the computer from USB to LAN, perform setup with the Setup CD-ROM or perform it according to the instructions on our website.

To change the connection method to LAN while you are using the printer with USB connection, perform setup again with the Setup CD-ROM or perform it again according to the instructions on our website and select **Change Connection Method**.

## Printing Out Network Setting Information

You can print out the network settings of the printer such as its IP address and SSID.

### ▶▶▶ Important

- This print out contains valuable information about your computer. Handle it with care.

1. [Make sure that the printer is turned on.](#)
2. [Load a sheet of A4 or Letter-sized plain paper.](#)
3. Press and hold the **RESUME/CANCEL** button, then release the button when the **POWER** lamp flashes white 6 times.

The printer starts printing the network setting information.

The following information on the printer's network setting is printed out.

Item	Explanations of the item	Setting
Wireless LAN	Wireless LAN	Enable/Disable
Connection	Status of the Wireless LAN	Active/Inactive
MAC Address	MAC Address	XX:XX:XX:XX:XX:XX
SSID	SSID	SSID of the wireless LAN
Communication Mode	Communication Mode	Infrastructure
Channel	Channel	XX (1 to 13)
Encryption	Method of the Encryption	none/WEP/TKIP/AES
WEP Key Length	WEP Key Length	Inactive/128/64
Authentication	Method of the Authentication	none/auto/open/shared/WPA-PSK/WPA2-PSK
Signal Strength	Signal Strength	0 to 100 [%]
TCP/IP Version	TCP/IP Version	IPv4 & IPv6/IPv4
IPv4 IP Address	Selected IP Address (IPv4)	XXX.XXX.XXX.XXX
IPv4 Default Gateway	Default Gateway (IPv4)	XXX.XXX.XXX.XXX
Subnet Mask	Subnet Mask	XXX.XXX.XXX.XXX
IPv6 IP Address *1	Selected IP Address (IPv6)	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXXX
IPv6 Default Gateway *1	Default Gateway (IPv6)	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXXX
Subnet Prefix Length*1	Subnet Prefix Length	XXX
IPsec*2	IPsec setting	Active

Security Protocol*2	Method of the Security Protocol	ESP/ESP & AH/AH
WPS PIN CODE	WPS PIN code	XXXXXXXX
Wireless LAN DRX	Discontinuous reception (wireless LAN)	Enable/Disable
Wired LAN	Wired LAN	Enable/Disable
Connection	Status of the Wired LAN	Active/Inactive
MAC Address	MAC Address	XX:XX:XX:XX:XX:XX
TCP/IP Version	TCP/IP Version	IPv4 & IPv6/IPv4
IPv4 IP Address	Selected IP Address (IPv4)	XXX.XXX.XXX.XXX
IPv4 Default Gateway	Default Gateway (IPv4)	XXX.XXX.XXX.XXX
Subnet Mask	Subnet Mask	XXX.XXX.XXX.XXX
IPv6 IP Address *1	Selected IP Address (IPv6)	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXXX
IPv6 Default Gateway *1	Default Gateway (IPv6)	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXXX
Subnet Prefix Length*1	Subnet Prefix Length	XXX
IPsec*2	IPsec setting	Active
Security Protocol*2	Method of the Security Protocol	ESP/ESP & AH/AH
Wired LAN DRX	Discontinuous reception (wired LAN)	Enable/Disable
Other Settings	Other settings	-
Printer Name	Printer name	Printer name (Up to 15 characters)
WSD	WSD setting	Enable/Disable
WSD Timeout	Timeout	1/5/10/15/20 [min]
LPR Protocol	LPR protocol setting	Enable/Disable
Bonjour	Bonjour setting	Enable/Disable
Bonjour Service Name	Bonjour service name	Bonjour service name (Up to 52 characters)
DNS Server	Getting DNS Server automatically	Auto/Manual
Primary Server	Primary server address	XXX.XXX.XXX.XXX
Secondary Server	Secondary server address	XXX.XXX.XXX.XXX
Proxy Server	Proxy Server setting	Enable/Disable
Proxy Port	Specifying Proxy Port	1 to 65535
Proxy Address	Proxy Address	XXXXXXXXXXXXXXXXXXXXXX

IP Address Filtering	IP Address Filtering	Enable/Disable
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("XX" represents alphanumeric characters.)

\*1 Only when IPv6 is activated, the status of the network is printed.

\*2 Only IPv6 and the IPsec setting are activated, the status of the network is printed.

## **About Network Communication**

- ▶ **Changing and Confirming Network Settings**
- ▶ **Screens for Network Connection of IJ Network Tool**
- ▶ **Other Screens of IJ Network Tool**
- ▶ **Appendix for Network Communication**

## **Changing and Confirming Network Settings**

- **IJ Network Tool**
- **Changing the Settings in the Wireless LAN Sheet**
- **Changing the WEP Detailed Settings**
- **Changing the WPA or WPA2 Detailed Settings**
- **Changing the Settings in the Wired LAN Sheet**
- **Changing the Settings in the Admin Password Sheet**
- **Monitoring Wireless Network Status**
- **Initializing the Network Settings of the Machine**
- **Viewing the Modified Settings**

# IJ Network Tool

IJ Network Tool is a utility that enables you to display and modify the machine network settings. It is installed when the machine is set up.

## ▶▶▶ Important


- To use the machine over LAN, make sure you have the equipment necessary for the connection type, such as an access point or a LAN cable.
- Do not start up IJ Network Tool while printing.
- Do not print when IJ Network Tool is running.
- If the firewall function of your security software is turned on, a message may appear warning that Canon software is attempting to access the network. If the warning message appears, set the security software to always allow access.
- IJ Network Tool has been verified to work on Windows XP, however, it does not support Fast User Switching. It is recommended to exit IJ Network Tool when switching users.

## Starting up IJ Network Tool

1. Start up IJ Network Tool as shown below.

- In Windows 8, select **IJ Network Tool** on the **Start** screen to start IJ Network Tool. If **IJ Network Tool** is not displayed on the **Start** screen, select the **Search** charm, then search for "IJ Network Tool".
- In Windows 7, Windows Vista, or Windows XP, click **Start** and select **All programs**, **Canon Utilities**, **IJ Network Tool**, and then **IJ Network Tool**.

## ▶▶▶ Note

- You can also start up IJ Network Tool by clicking  **Network Settings** from **Device Settings & Maintenance** on Quick Menu.

## Changing the Settings in the Wireless LAN Sheet

To change the wireless network settings of the printer, connect the printer and the computer with a USB cable temporarily. If you modify the wireless network settings of the computer over wireless connection without USB connection, your computer may not be able to communicate with the machine after modifying the settings.

### ▶▶▶ Note

- This screen is not available depending on the printer you are using.
- Activate the wireless LAN setting of the printer to change the settings in the **Wireless LAN** sheet.

1. [Start up IJ Network Tool.](#)

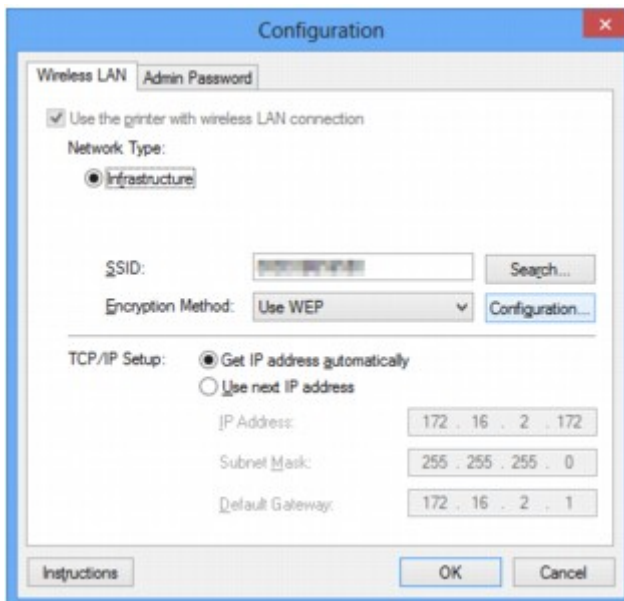
2. Select the printer in **Printers:**.

When the printer is connected to the computer with a USB cable temporarily, select the printer with "USBnnn" (where "n" is a number) appearing in the **Port Name** column.

3. Select **Configuration...** from the **Settings** menu.

4. Click the **Wireless LAN** tab.

The **Wireless LAN** sheet is displayed.



For details Type on the **Wireless LAN** sheet, see [Wireless LAN Sheet](#).

5. Change the settings or confirm.

#### SSID:

Enter the same value that was set for the target access point.

When the printer is connected with USB, the **Search** screen appears by clicking **Search...**. Set the SSID of the access point by selecting the one of the detected access points.

#### ■ [Search Screen](#)



## »» Note

- Enter the same SSID that the access point is configured to use. The SSID is case-sensitive.

### Encryption Method:

Select the encryption method used over the wireless LAN.

You can change WEP settings with selecting **Use WEP** and clicking **Configuration....**

■ [Changing the WEP Detailed Settings](#)

You can change WPA or WPA2 settings with selecting **Use WPA** or **Use WPA2** and clicking **Configuration....**

■ [Changing the WPA or WPA2 Detailed Settings](#)

## »» Important

- If all encryption types of the access point, printer, or computer do not match, the printer cannot communicate with the computer. If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure that encryption types for the computer and the access point match that set to the printer.
- 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.

### TCP/IP Setup:

Sets the IP address of the printer to be used over the LAN. Specify a value appropriate for your network environment.

## 6. Click **OK**.

After changing configuration, a screen is displayed asking you for confirmation before the settings are sent to the printer. If you click **Yes**, the settings are sent to the printer and the **Transmitted Settings** screen is displayed.

## »» Note

- Changing the network settings with the USB cable temporarily may switch the default printer. In this case, reset **Set as Default Printer**.

# Changing the WEP Detailed Settings

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

To change the wireless network settings of the printer, connect the printer and the computer with a USB cable temporarily. If you modify the wireless network settings of the computer over wireless connection without USB connection, your computer may not be able to communicate with the machine after modifying the settings.

1. [Start up IJ Network Tool.](#)

2. Select the printer in **Printers:**.

When the printer is connected to the computer with a USB cable temporarily, select the printer with "USBnnn" (where "n" is a number) appearing in the **Port Name** column.

3. Select **Configuration...** from the **Settings** menu.

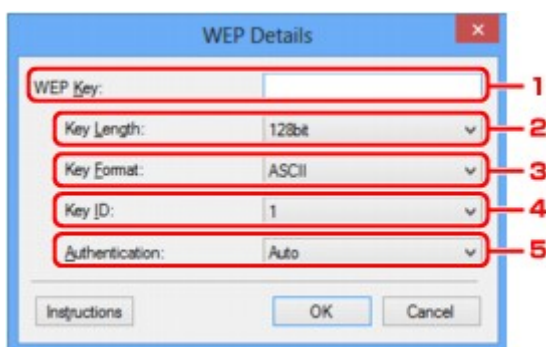
4. Click the **Wireless LAN** tab.

5. Select **Use WEP** in **Encryption Method:** and click **Configuration...**

The **WEP Details** screen is displayed.

6. Change the settings or confirm.

When changing the password (WEP key), the same change must be made to the password (WEP key) of the access point.



### 1. WEP Key:

Enter the same key as the one set to the access point.

The number of characters and character type that can be entered differ depending on the combination of the key length and key format.

		Key Length	
		64bit	128bit
Key Format	ASCII	5 characters	13 characters
	Hexadecimal (Hex)	10 digits	26 digits

2. **Key Length:**

Select either **64bit** or **128bit**.

3. **Key Format:**

Select either **ASCII** or **Hex**.

4. **Key ID:**

Select the Key ID (index) set to the access point.

5. **Authentication:**

Select the authentication method to authenticate the printer's access to the access point.

Normally, select **Auto**. If you want to specify the method manually, select **Open System** or **Shared Key** according to the setting of the access point.

7. Click **OK**.

 **Important**

- If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure that encryption types for the computer and the access point match that set to the printer.

 **Note**

- Changing the network settings with the USB cable temporarily may switch the default printer. In this case, reset **Set as Default Printer**.

# Changing the WPA or WPA2 Detailed Settings

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

To change the wireless network settings of the printer, connect the printer and the computer with a USB cable temporarily. If you modify the wireless network settings of the computer over wireless connection without USB connection, your computer may not be able to communicate with the machine after modifying the settings.

The example screenshots in this section refer to the WPA detailed settings.

1. [Start up IJ Network Tool.](#)

2. Select the printer in **Printers:**.

When the printer is connected to the computer with a USB cable temporarily, select the printer with "USBnnn" (where "n" is a number) appearing in the **Port Name** column.

3. Select **Configuration...** from the **Settings** menu.

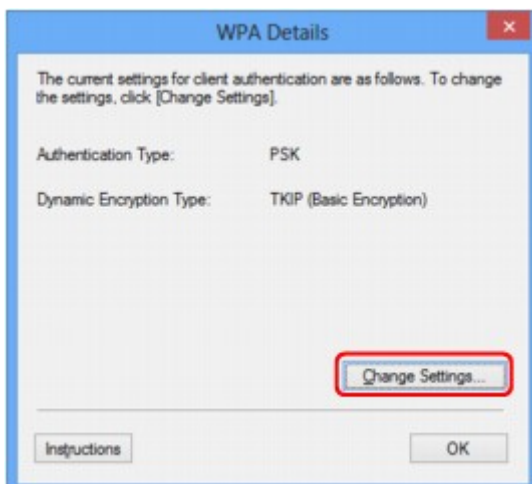
4. Click the **Wireless LAN** tab.

5. Select **Use WPA** or **Use WPA2** in **Encryption Method:** and click **Configuration...**

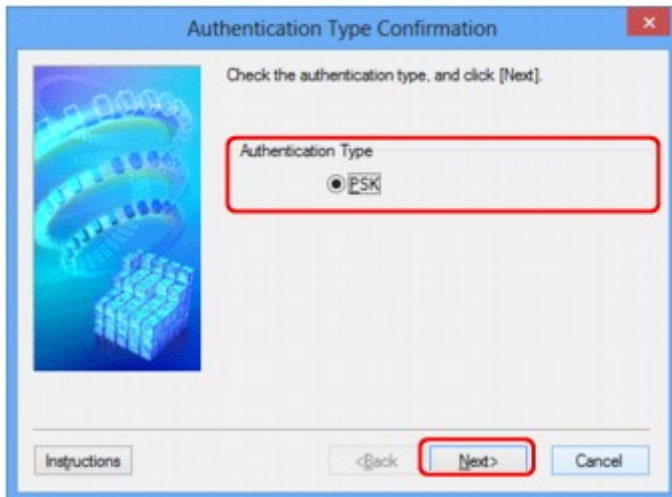
The **WPA Details** screen is displayed (For WPA2, the **WPA2 Details** screen is displayed).

If encryption is not set to the printer, the **Authentication Type Confirmation** screen is displayed. Go to step 7.

6. Click **Change Settings....**



7. Check the client authentication type and click **Next>**.



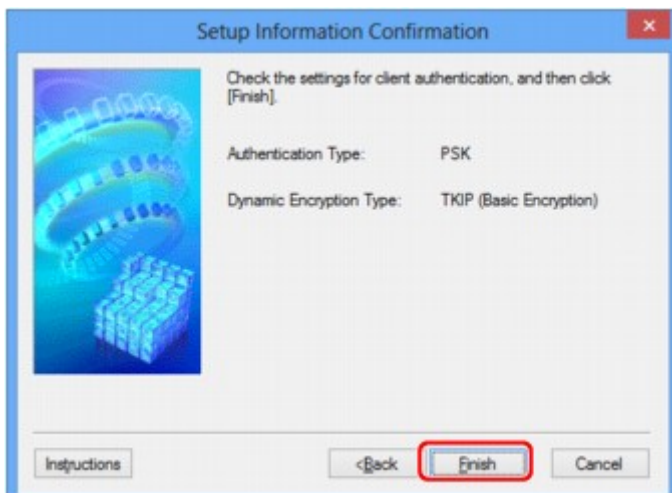
8. Enter the passphrase, confirm the type of dynamic encryption and click **Next>**.

Enter the passphrase set to the access point. The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

If you do not know the access point passphrase, refer to the instruction manual provided with the access point or contact its manufacturer.



9. Click **Finish**.



## »» Important

- If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure that encryption types for the computer and the access point match that set to the printer.

## »» Note

- Changing the network settings with the USB cable temporarily may switch the default printer. In this case, reset **Set as Default Printer**.

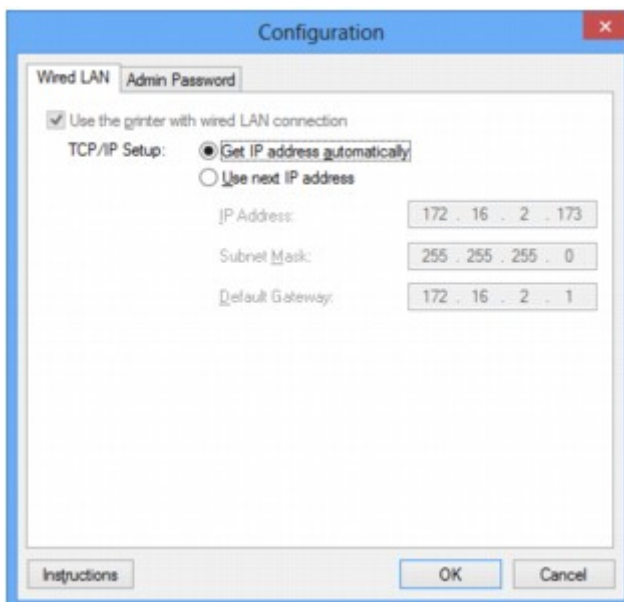
# Changing the Settings in the Wired LAN Sheet

## ►►► Note

- This screen is not available depending on the printer you are using.
- Activate the wired LAN setting of the printer to change the settings in the **Wired LAN** sheet.

1. [Start up IJ Network Tool.](#)
2. Select the printer in **Printers:**.
3. Select **Configuration...** from the **Settings** menu.
4. Click the **Wired LAN** tab.

The **Wired LAN** sheet is displayed.



For details on the **Wired LAN** sheet, see [Wired LAN Sheet](#).

5. Change the settings or confirm.

Set the IP address of the printer to be used over the LAN. Specify a value appropriate for your network environment.

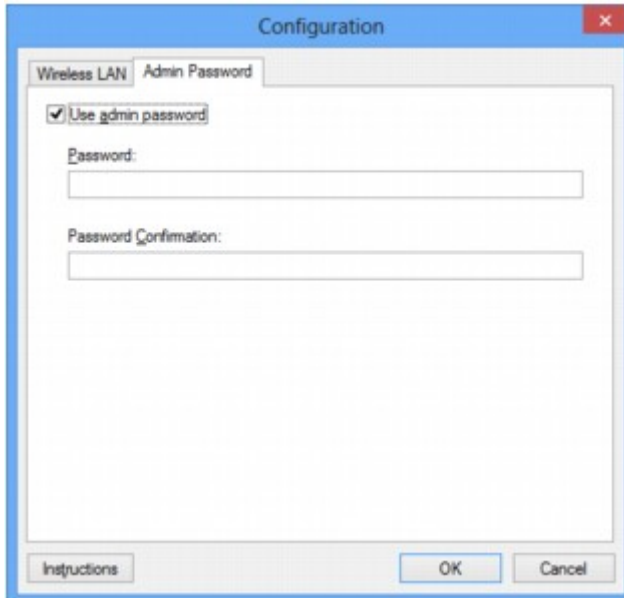
6. Click **OK**.

After changing configuration, a screen is displayed asking you for confirmation before the settings are sent to the printer. If you click **Yes**, the settings are sent to the printer and the **Transmitted Settings** screen is displayed.

## Changing the Settings in the Admin Password Sheet

1. [Start up IJ Network Tool.](#)
2. Select the printer in **Printers:**.
3. Select **Configuration...** from the **Settings** menu.
4. Click the **Admin Password** tab.

The **Admin Password** sheet is displayed.



For details on the **Admin Password** sheet, see [Admin Password Sheet](#).

5. Change the settings or confirm.

To use admin password, select the **Use admin password** check box and enter a password.

### ►►► Important

- The password should consist of alphanumeric characters and be no longer than 32 characters. The password is case-sensitive. Do not forget the password you set.

6. Click **OK**.

A screen is displayed asking you for confirmation before the settings are sent to the printer. If you click **Yes**, the settings are sent to the printer and the **Transmitted Settings** screen is displayed.



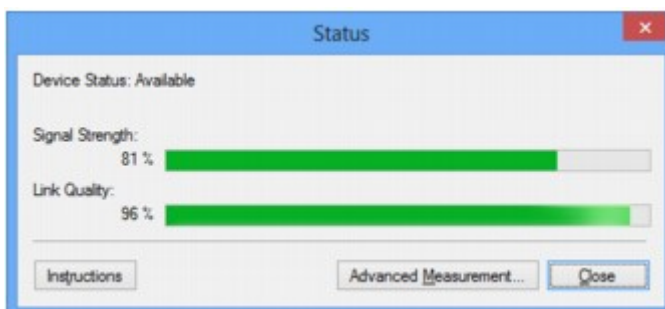
# Monitoring Wireless Network Status

## ►►► Note

- This screen is not available depending on the printer you are using.
- When using the machine over the wired LAN, you cannot monitor network status.

1. [Start up IJ Network Tool.](#)
2. Select the printer in **Printers:**.
3. Select **Status** from the **View** menu.

The **Status** screen is displayed and you can check the printer status and connection performance.

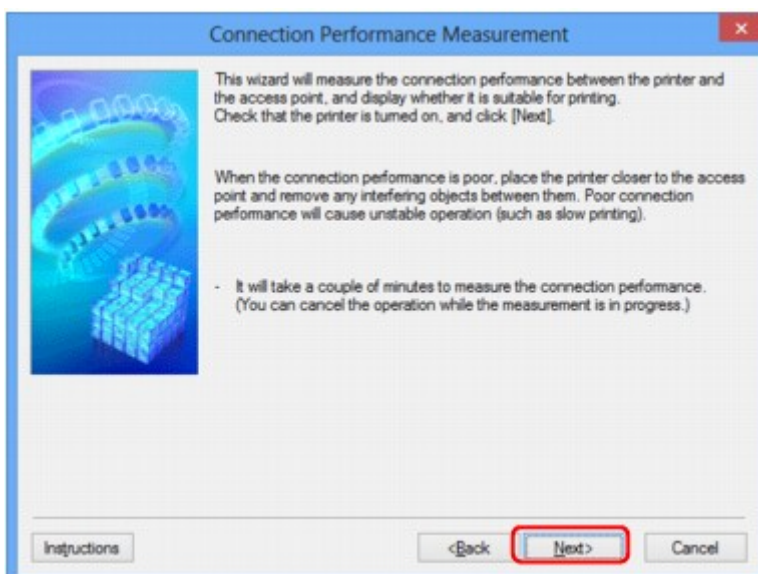


## ►►► Important

- If the indicated value is low, move your printer closer to the wireless network device.

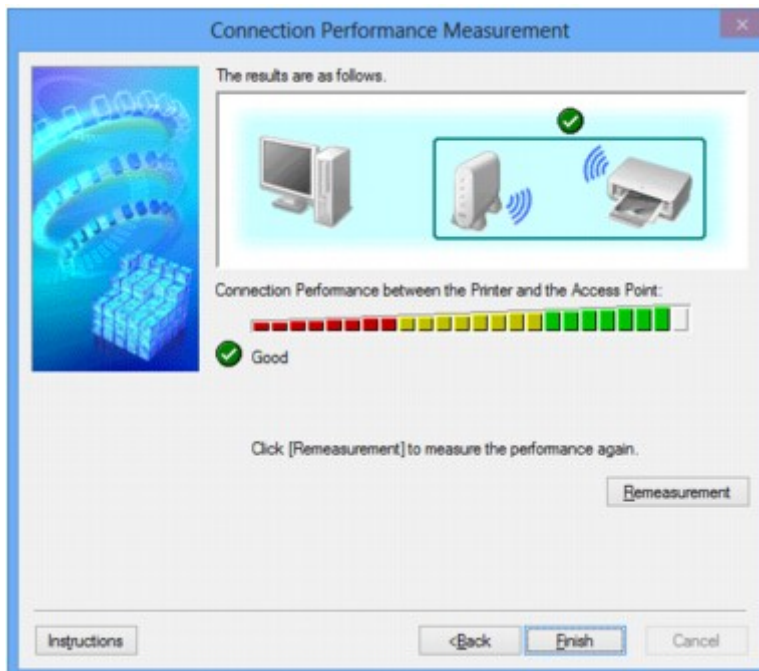
4. If you measure the connection performance in detail, click **Advanced Measurement...**  
The **Connection Performance Measurement** screen is displayed.
5. Click **Next>**.


The measurement starts and the status displays. Measurement takes a few minutes.




## 6. Check the status.


When the measurement is complete, the status is displayed.



When  is displayed in **Connection Performance between the Printer and the Access Point:**, the printer can communicate with the access point. Otherwise, refer to displayed comments and the following to improve the status of communication link, and click **Remeasurement**.

- Check that the printer and the access point are located within the wireless connectivity range with no obstacles between them.
- Check if the distance between the printer and the access point is not too far.  
If they are too far, move them closer together (within 164 ft./50 m).
- Check that there is no barrier or obstacle between the printer and the access point.  
In general, connection performance decreases for communications through walls or between different floors. Adjust the locations to avoid such situations.
- Check that there are no sources of radio interference near the printer and the access point.  
The wireless connection may use the same frequency band as microwave ovens and other sources of radio interference. Try to keep the printer and the access point away from such sources.
- Check if the radio channel of the access point is close to that of other access points nearby.  
If the radio channel of the access point is close to that of other access points nearby, the connection performance may become unstable. Be sure to use a radio channel that does not interfere with other access points.
- Check that the printer and the access point face each other.  
Connection performance may depend on the orientations of the wireless devices. Replace the access point and the printer in another direction to achieve the best performance.
- Check whether other computers are not accessing the printer.

If  appears in the result of the measurement, check whether other computers are not accessing the printer.

If  still appears even if you have tried the above, finish the measurement, then restart the IJ Network Tool to start over the measurement.

7. Click **Finish**.

 **Note**

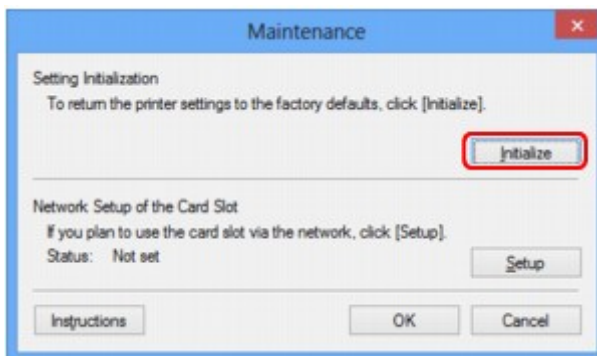
- If any messages appear on **Overall Network Performance:**, move the machine and access point as instructed to improve the performance.

# Initializing the Network Settings of the Machine

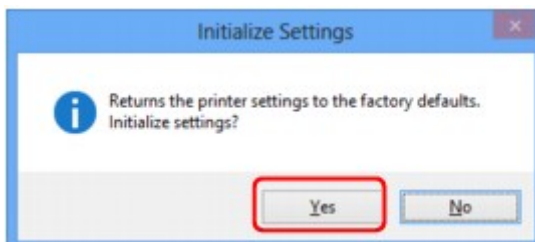
## ▶▶▶ Important

- Note that initialization erases all network settings on the machine, printing or scanning operation from a computer over network may become impossible. To use the machine over network, perform setup with the Setup CD-ROM or perform setup according to the instructions on our website.

1. [Start up IJ Network Tool.](#)
2. Select the printer in **Printers:**.
3. Select **Maintenance...** from the **Settings** menu.  
The **Maintenance** screen is displayed.
4. Click **Initialize**.



5. When the confirmation screen is displayed, click **Yes**.



The network settings of the printer is initialized.

Do not turn off the printer during initialization.

Click **OK** when initialization is complete.

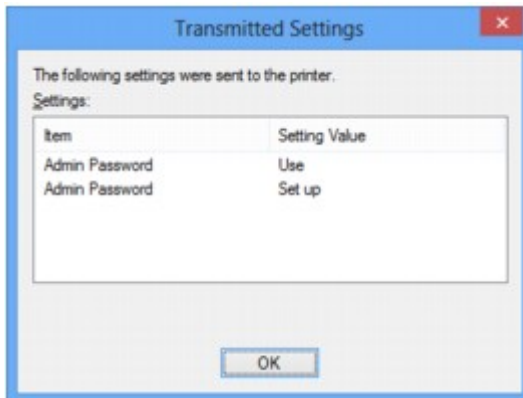
Performing initialization when connected over wireless LAN will break the connection, so perform setup with the Setup CD-ROM or perform setup according to the instructions on our website.

## ▶▶▶ Note

- You can change the network settings of the printer using IJ Network Tool with USB connection after initializing the LAN settings. To change the network settings using Canon IJ Network Tool, activate wireless LAN in advance.

## Viewing the Modified Settings

The **Confirmation** screen is displayed when you modified the printer settings on the **Configuration** screen. When you click **Yes** on the **Confirmation** screen, the following screen is displayed for confirming the modified settings.



## **Screens for Network Connection of IJ Network Tool**

- ▶ **Canon IJ Network Tool Screen**
- ▶ **Configuration Screen**
- ▶ **Wireless LAN Sheet**
- ▶ **Search Screen**
- ▶ **WEP Details Screen**
- ▶ **WPA Details Screen**
- ▶ **WPA2 Details Screen**
- ▶ **Authentication Type Confirmation Screen**
- ▶ **PSK: Passphrase and Dynamic Encryption Setup Screen**
- ▶ **Setup Information Confirmation Screen**
- ▶ **Wired LAN Sheet**
- ▶ **Admin Password Sheet**
- ▶ **Network Information Screen**
- ▶ **Access Control Sheet**
- ▶ **Edit Accessible MAC Address Screen/Add Accessible MAC Address Screen**
- ▶ **Edit Accessible IP Address Screen/Add Accessible IP Address Screen**

# Canon IJ Network Tool Screen

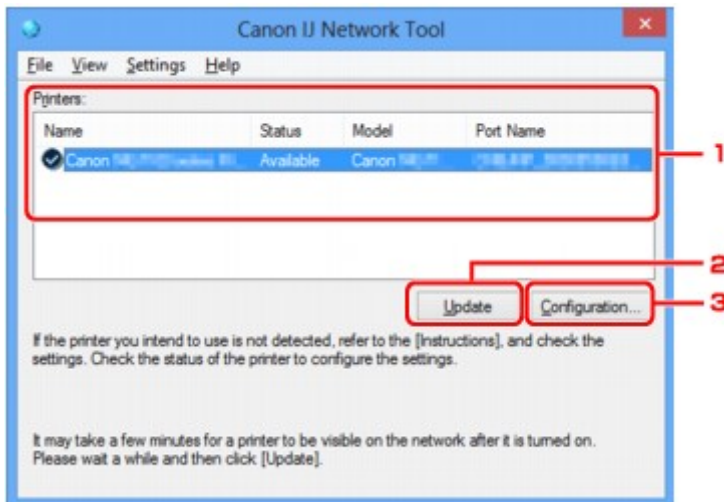
This section describes the items and menus displayed on the **Canon IJ Network Tool** screen.

## ■ Items on the Canon IJ Network Tool Screen

### ■ Canon IJ Network Tool Menus

## Items on the Canon IJ Network Tool Screen

The following item is displayed on the **Canon IJ Network Tool** screen.



### 1. Printers:

The printer name, status, printer model name, and port name are displayed.

A check mark next to the printer in the **Name** list indicates it is set as the default printer.

Configuration changes are applied to the selected printer.

### 2. Update

Performs printer detection again. Click this button if the target printer is not displayed.

### ▶▶▶ Important

- To change the printer's network settings using IJ Network Tool, it must be connected via a LAN.
- If **No Driver** is displayed for the name, associate the port with the printer.
  - [When the Printer Driver Is Not Associated with a Port](#)
- If **Not Found** is displayed for the status, check the followings:
  - The access point is turned on.
  - When using wired LAN, the LAN cable is connected properly.
- If the printer on a network is not detected, make sure that the printer is turned on, then click **Update**. It may take several minutes to detect printers. If the printer is not yet detected, connect the machine and the computer with a USB cable, then click **Update**.
- If the printer is being used from another computer, a screen is displayed informing you of this condition.

## ▶▶▶ Note

- This item has the same function as **Refresh** in the **View** menu.

### 3. Configuration...

Click to configure settings of the selected printer.

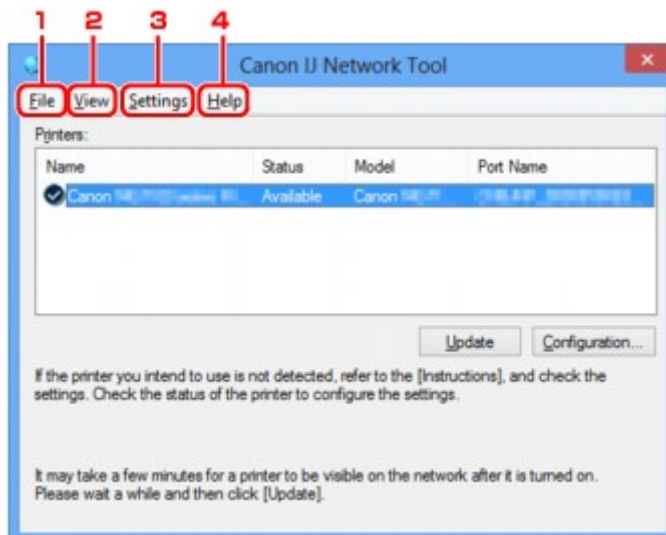
■ [Configuration Screen](#)

## ▶▶▶ Note

- You cannot configure a printer that has the status **Not Found**.
- This item has the same function as **Configuration...** in the **Settings** menu.

## Canon IJ Network Tool Menus

The following menu is displayed from the **Canon IJ Network Tool** screen.



### 1. File menu

#### Exit

Exits IJ Network Tool.

### 2. View menu

#### Status

Displays the **Status** screen to confirm the printer connection status and wireless communication status.

■ [Status Screen](#)

#### Refresh

Updates and displays the contents of **Printers:** on the **Canon IJ Network Tool** screen to the latest information.

## ▶▶▶ Important

- To change the printer's network settings using IJ Network Tool, it must be connected via a LAN.
- If **No Driver** is displayed for the name, associate the port with the printer.



#### ■ ■ [When the Printer Driver Is Not Associated with a Port](#)

- If **Not Found** is displayed for the status, check the followings:
  - The access point is turned on.
  - When using wired LAN, the LAN cable is connected properly.
- If the printer on a network is not detected, make sure that the printer is turned on, then select **Refresh**. It may take several minutes to detect printers. If the printer is not yet detected, connect the machine and the computer with a USB cable, then select **Refresh**.
- If the printer is being used from another computer, a screen is displayed informing you of this condition.

#### ▶▶▶ **Note**

- This item has the same function as **Update** in the **Canon IJ Network Tool** screen.

#### **Network Information**

Displays the **Network Information** screen to confirm the network settings of the printer and the computer.

#### ■ ■ [Network Information Screen](#)

#### **Display Warning Automatically**

Enables or disables automatic display of the instruction screen.

When this menu is selected, the instruction screen is displayed if one or more ports are unavailable for printing.

### 3. **Settings** menu

#### **Configuration...**

Displays the **Configuration** screen to configure settings of the selected printer.

#### ■ ■ [Configuration Screen](#)

#### ▶▶▶ **Note**

- This item has the same function as **Configuration...** in the **Canon IJ Network Tool** screen.

#### **Associate Port...**

Displays the **Associate Port** screen and you can associate a port with the printer.

#### ■ ■ [Associate Port Screen](#)

This menu is available when **No Driver** is displayed for the selected printer. Associating a port with the printer enables you to use it.

#### **Maintenance...**

Displays the **Maintenance** screen to revert the network settings of the printer to factory default and to mount the card slot as the network drive.

#### ■ ■ [Maintenance Screen](#)

### 4. **Help** menu

#### **Instructions**

Displays this guide.

#### **About**

Displays the version of IJ Network Tool.

# Configuration Screen

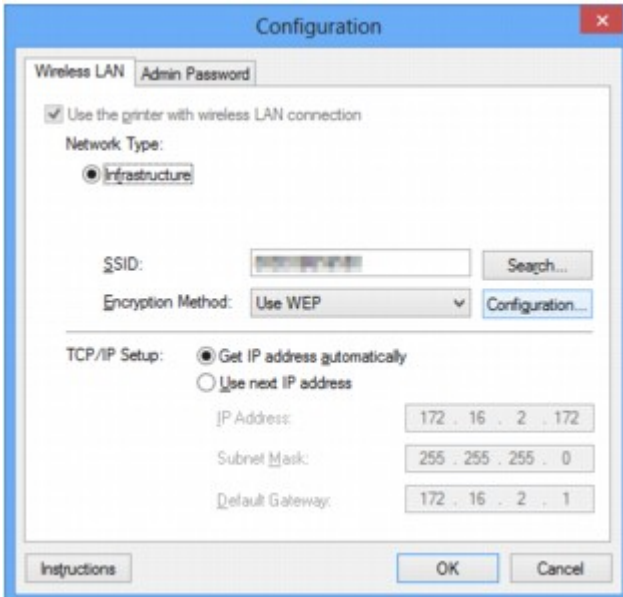
You can change the configuration of the printer selected on the **Canon IJ Network Tool** screen.

Click the tab to select the sheet to change the settings.

The following screen is the example to change the setting on the **Wireless LAN** sheet.

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.



For details on each sheet, see the following.

■ [Wireless LAN Sheet](#)

■ [Wired LAN Sheet](#)

■ [Admin Password Sheet](#)

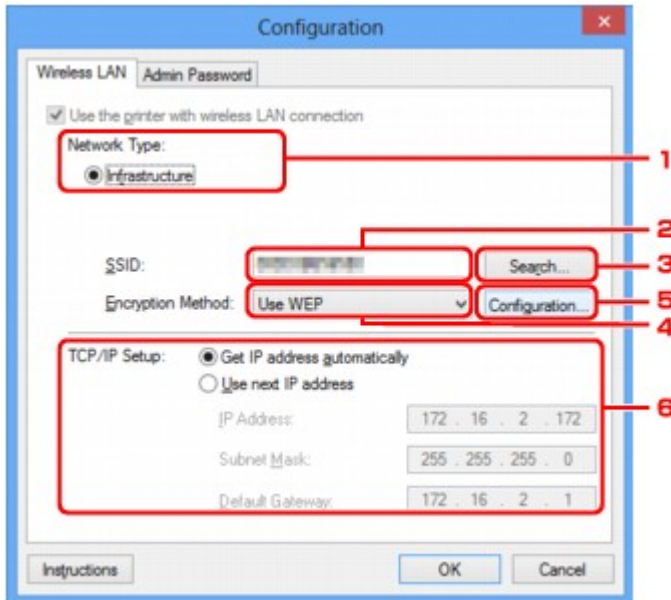
# Wireless LAN Sheet

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Allows you to set the printer with wireless LAN connection.

To display the **Wireless LAN** sheet, click the **Wireless LAN** tab on the **Configuration** screen.



### 1. Network Type:

#### Infrastructure

Connects the printer to the wireless LAN with an access point.

### 2. SSID:

The SSID of the wireless LAN is displayed.

As the initial settings, the unique value is displayed.

## ▶▶▶ Note

- Enter the same SSID that the access point is configured to use. The SSID is case-sensitive.

### 3. Search...

The **Search** screen is displayed to select an access point to connect to.

#### [Search Screen](#)

## ▶▶▶ Note

- When IJ Network Tool runs over a LAN, the button is grayed out and cannot be selected. Connect the printer and the computer with a USB cable temporarily to change the settings.

### 4. Encryption Method:

Select the encryption method used over the wireless LAN.

**Do not use**

Select to disable encryption.

**Use WEP**

Transmission is encrypted using a WEP key you specified.

If a WEP key has not been set, the **WEP Details** screen is displayed automatically. To change WEP settings set before, click **Configuration...** to display the screen.

■ [Changing the WEP Detailed Settings](#)

**Use WPA/Use WPA2**

Transmission is encrypted using a WPA or WPA2 key you specified.

The security has been strengthened more than WEP.

If a WPA or WPA2 key has not been set, the **Authentication Type Confirmation** screen is displayed automatically. To change WPA or WPA2 settings set before, click **Configuration...** to display the **WPA Details** screen or **WPA2 Details** screen.

■ [Changing the WPA or WPA2 Detailed Settings](#)

**5. Configuration...**

The detailed settings screen is displayed. The WEP, the WPA, or the WPA2 key selected in **Encryption Method**: can be confirmed and changed.

**For details on WEP setting:**

■ [Changing the WEP Detailed Settings](#)

**For details on WPA or WPA2 setting:**

■ [Changing the WPA or WPA2 Detailed Settings](#)

**6. TCP/IP Setup:**

Sets the IP address of the printer to be used over the LAN. Specify a value appropriate for your network environment.

**Get IP address automatically**

Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your wireless LAN router or access point.

**Use next IP address**

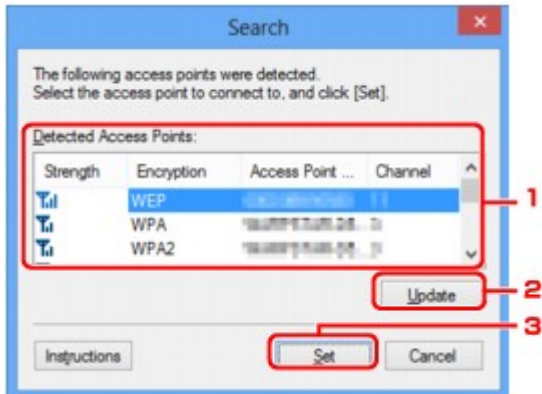
If no DHCP server functionality is available in your setup where you use the printer or you want to use a particular IP address, select this option to use a fixed IP address.

# Search Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

The access points detected are listed.



### 1. Detected Access Points:


The signal strength from the access point, encryption type, name of access point, and the radio channel can be confirmed.


## ▶▶▶ Important

- 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.

## ▶▶▶ Note

- Signal strength is displayed as follows.

 : Good

 : Fair

 : Poor

- Type of encryption is displayed as follows.

Blank: No encryption

**WEP**: WEP is set

**WPA**: WPA is set

**WPA2**: WPA2 is set

### 2. Update

Click to update the list of access points when your target access point is not detected.

If the target access point is set to the stealth mode, click **Cancel** to return to the previous screen and enter the access point's SSID in **SSID**: on the **Wireless LAN** sheet.

■ [Wireless LAN Sheet](#)

### »» Note

- When detecting your target access point, make sure that the access point is turned on.

### 3. Set

Click to set the access point's SSID in **SSID:** on the **Wireless LAN** sheet.

### »» Note

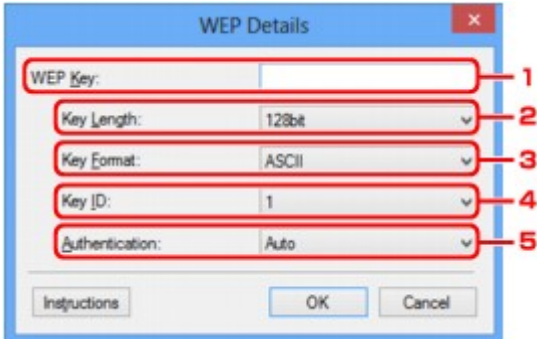
- The **WEP Details** screen, the **WPA Details** screen, or the **WPA2 Details** screen appears if the selected access point is encrypted. In this case, configure the details to use the same encryption settings set to the access point.
- Access points that cannot be used by this machine (including those configured to use different encryption methods) are displayed grayed out and cannot be configured.

# WEP Details Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Specify the printer WEP settings.



## ▶▶▶ Note

- When changing the password (WEP key) of the printer, the same change must be made to the password (WEP key) of the access point.

### 1. WEP Key:

Enter the same key as the one set to the access point.

The number of characters and character type that can be entered differ depending on the combination of the key length and key format.

		Key Length	
		64bit	128bit
Key Format	ASCII	5 characters	13 characters
	Hexadecimal (Hex)	10 digits	26 digits

### 2. Key Length:

Select either **64bit** or **128bit**.

### 3. Key Format:

Select either **ASCII** or **Hex**.

### 4. Key ID:

Select the Key ID (index) set to the access point.

### 5. Authentication:

Select the authentication method to authenticate the printer's access to the access point.

Select **Auto** or **Open System** or **Shared Key**.

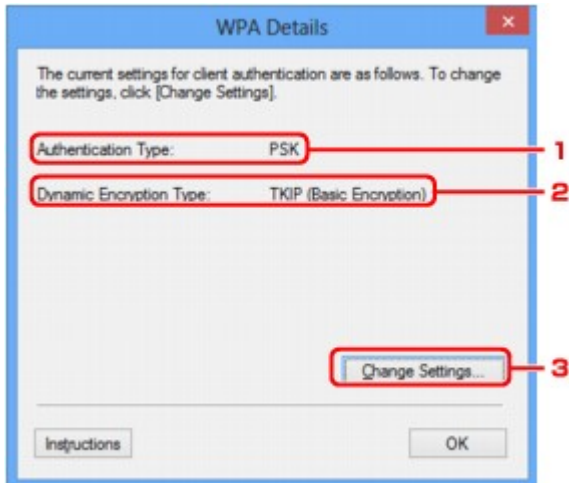
# WPA Details Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Specify the printer WPA settings.

The value displayed on the screen differs depending on the present settings.



### 1. Authentication Type:

Displays the type of authentication used for client authentication. This machine supports the PSK authentication method.

### 2. Dynamic Encryption Type:

Displays the dynamic encryption method.

### 3. Change Settings...

Displays the **Authentication Type Confirmation** screen.

■ [Authentication Type Confirmation Screen](#)



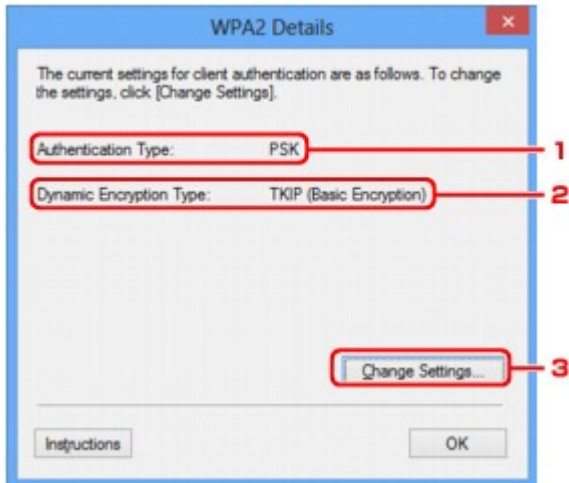
# WPA2 Details Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Specify the printer WPA2 settings.

The value displayed on the screen differs depending on the present settings.



### 1. Authentication Type:

Displays the type of authentication used for client authentication. This machine supports the PSK authentication method.

### 2. Dynamic Encryption Type:

Displays the dynamic encryption method.

### 3. Change Settings...

Displays the **Authentication Type Confirmation** screen.

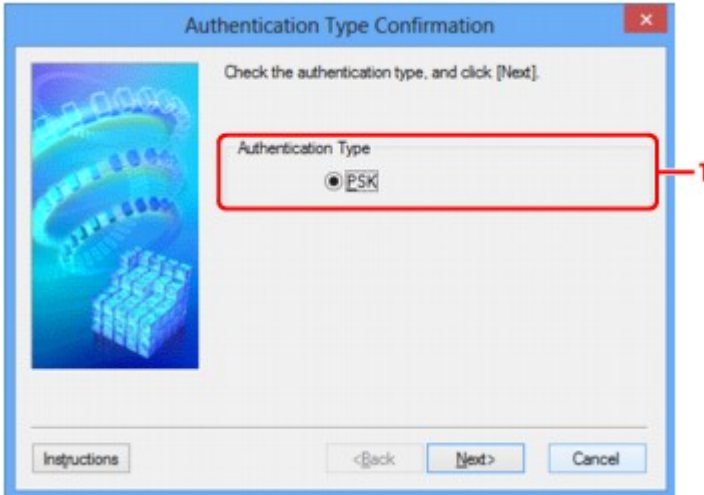
■ [Authentication Type Confirmation Screen](#)

# Authentication Type Confirmation Screen

## ►►► Note

- This screen is not available depending on the printer you are using.

Type of authentication used for client authentication is displayed.



### 1. Authentication Type

Type of authentication used for client authentication is displayed.

#### PSK

This machine supports the **PSK** authentication method.

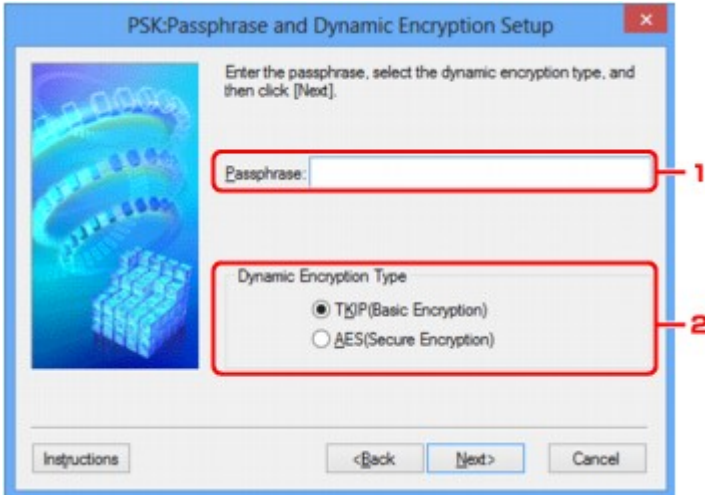
This authentication type **PSK** uses a passphrase.

# PSK: Passphrase and Dynamic Encryption Setup Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Enter the passphrase and select the dynamic encryption method.



### 1. Passphrase:

Enter the passphrase set to the access point. The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

If you do not know the access point passphrase, refer to the instruction manual provided with the access point or contact its manufacturer.

### 2. Dynamic Encryption Type

Select the dynamic encryption method from either **TKIP (Basic Encryption)**, or **AES (Secure Encryption)** according to the setting of the access point.

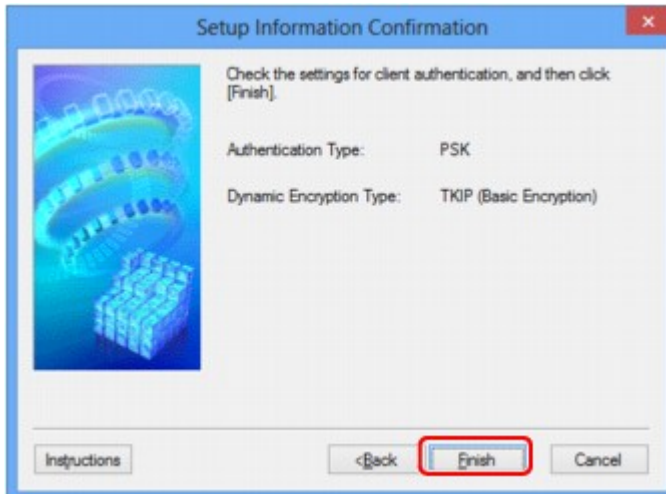
## Setup Information Confirmation Screen

### ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Displays the settings used for client authentication.

Confirm the settings and click **Finish**.



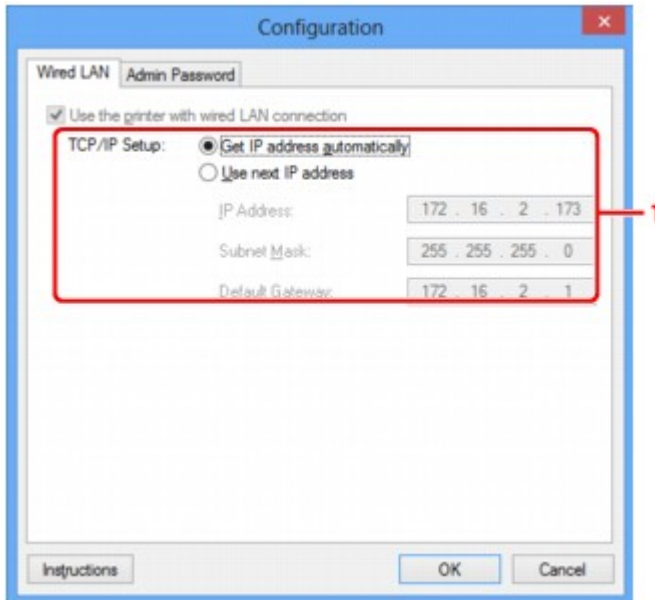
# Wired LAN Sheet

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Allows you to set the printer with wired LAN connection.

To display the **Wired LAN** sheet, click the **Wired LAN** tab on the **Configuration** screen.



### 1. TCP/IP Setup:

Sets the IP address of the printer to be used over the LAN. Specify a value appropriate for your network environment.

#### **Get IP address automatically**

Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your router.

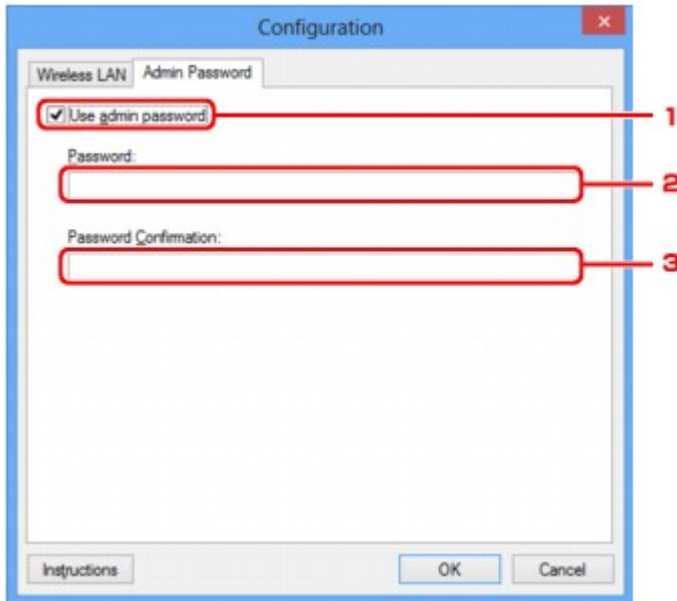
#### **Use next IP address**

If no DHCP server functionality is available in your setup where you use the printer or you want to use a particular IP address, select this option to use a fixed IP address.

# Admin Password Sheet

Set a password for the printer to allow specific people to perform setup and configurations operation.

To display the **Admin Password** sheet, click the **Admin Password** tab on the **Configuration** screen.



## 1. Use admin password

Set a password for the administrator with privileges to set up and change detailed options. To use this feature, select this check box and enter a password.

## 2. Password:

Enter the password to set.

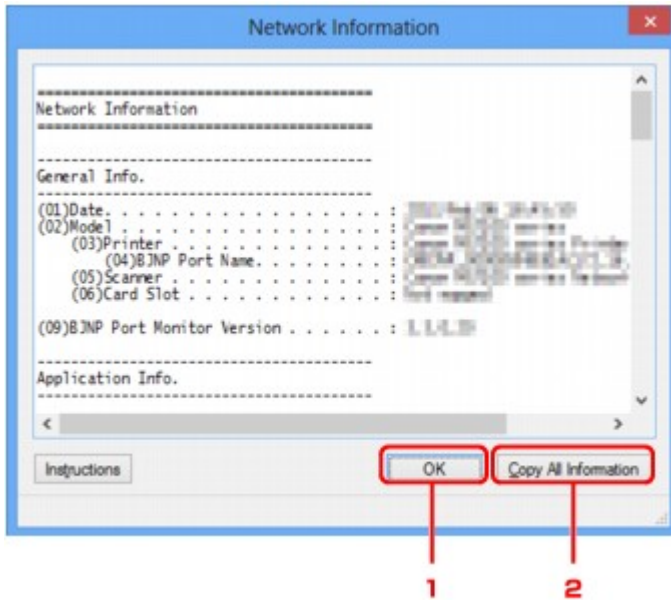
## 3. Password Confirmation:

Enter the password again for confirmation.

# Network Information Screen

Display the network information that is set for the printers and the computers.

To display the **Network Information** screen, select **Network Information** from the **View** menu.



## 1. OK

Returns to the **Canon IJ Network Tool** screen.

## 2. Copy All Information

All network information displayed is copy to the clipboard.

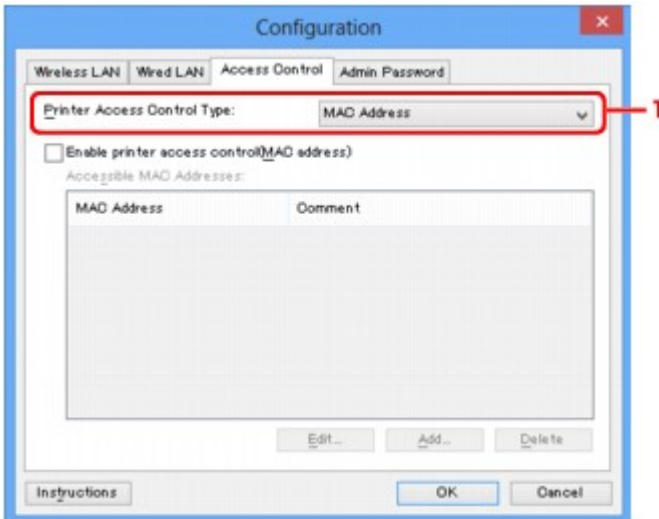
# Access Control Sheet

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

You can register the MAC addresses or the IP addresses of computers or network devices to allow access.

To display the **Access Control** sheet, click the **Access Control** tab on the **Configuration** screen.



### 1. Printer Access Control Type:

Select the type of access control with which to limit access of computers or network devices to the printer over a network.

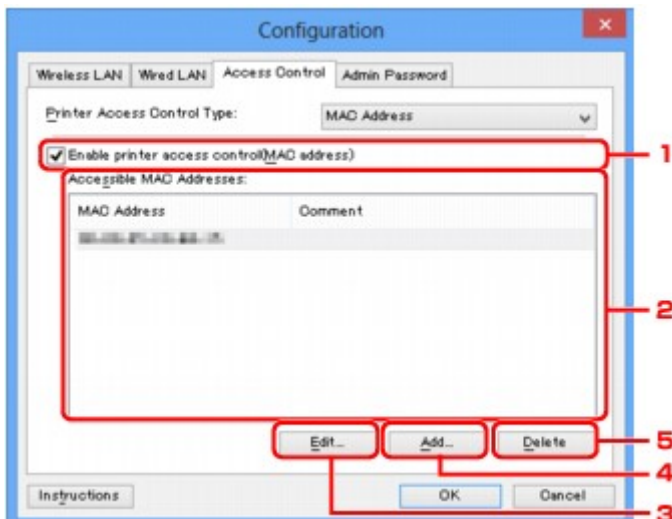
The setting items may differ depending on the choice of access control methods.

■ [When Selecting MAC address](#)

■ [When Selecting IP address](#)

### When Selecting MAC address

The accessible computers or network devices are specified by their MAC addresses. Computers or network devices whose MAC addresses appear on the list are allowed access.





## 1. Enable printer access control(MAC address)

Select to enable access control to the printer by MAC address.

### ▶▶▶ Note

- The two types of access control (i.e., by MAC address and by IP address) can be enabled at the same time.  
An access control type is enabled as long as the **Enable printer access control** check box is selected, regardless of the type currently displayed by selecting in **Printer Access Control Type**:
- When both access control types are enabled at the same time, a computer or a network device whose address is registered to either list will be allowed access to the printer.

## 2. Accessible MAC Addresses:

Shows the registered MAC addresses and any comments.

## 3. Edit...

The **Edit Accessible MAC Address** screen is displayed to edit the settings selected in **Accessible MAC Addresses**:

[▶▶▶ Edit Accessible MAC Address Screen/Add Accessible MAC Address Screen](#)

## 4. Add...

The **Add Accessible MAC Address** screen is displayed to register the MAC address of a computer or a network device from which to access the printer over the network.

### ▶▶▶ Important

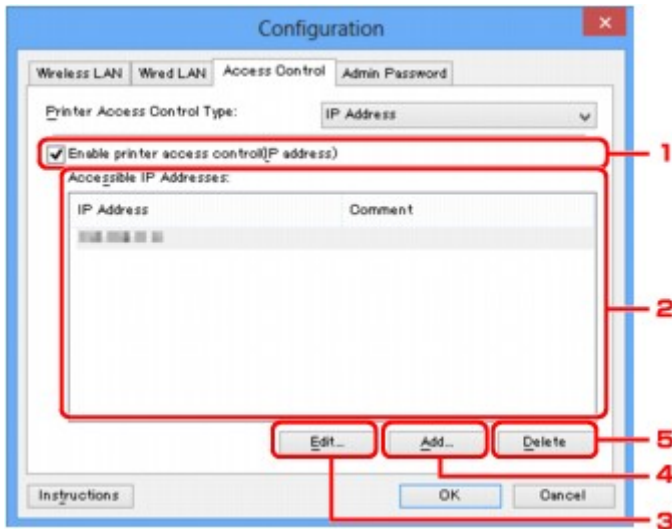
- Add the MAC address of all computers or network devices within the network from which to access the printer. The printer cannot be accessed from a computer or a network device that is not on the list.

## 5. Delete

Deletes the selected MAC address from the list.

## When Selecting IP address

The accessible computers or network devices are specified by their IP addresses. Computers or network devices whose IP addresses appear on the list are allowed access.



### 1. Enable printer access control(IP address)

Select to enable access control to the printer by IP address.

#### ➤➤➤ Note

- The two types of access control (i.e., by MAC address and by IP address) can be enabled at the same time.
- An access control type is enabled as long as the **Enable printer access control** check box is selected, regardless of the type currently displayed by selecting in **Printer Access Control Type**:
- When both access control types are enabled at the same time, a computer or a network device whose address is registered to either list will be allowed access to the printer.

### 2. Accessible IP Addresses:

Shows the registered IP addresses and any comments.

### 3. Edit...

The **Edit Accessible IP Address** screen is displayed to edit the settings selected in **Accessible IP Addresses**:

[Edit Accessible IP Address Screen/Add Accessible IP Address Screen](#)

### 4. Add...

The **Add Accessible IP Address** screen is displayed to register the IP address of a computer or a network device from which to access the printer over the network.

#### ➤➤➤ Important

- Add the IP address of all computers or network devices within the network from which to access the printer. The printer cannot be accessed from a computer or a network device that is not on the list.
- Up to 16 IP addresses can be registered. IP addresses specified by Range Specification are counted as one address. Use Range Specification when you intend to register 17 or more IP addresses.

## 5. Delete

Deletes the selected IP address from the list.

# Edit Accessible MAC Address Screen/Add Accessible MAC Address Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

The example screenshots in this section refer to the **Add Accessible MAC Address** Screen.



### 1. **MAC Address:**

Enter the MAC address of a computer or a network device to allow access.

### 2. **Comment:**

Optionally enter any information to identify the device, such as the name of the computer.

## ▶▶▶ Important

- Comments will be displayed only on the computer used to enter them.

# Edit Accessible IP Address Screen/Add Accessible IP Address Screen

## »»» Note

- This screen is not available depending on the printer you are using.

The example screenshots in this section refer to the **Add Accessible IP Address** Screen.

### 1. Specification Method:

Select either **Single Address Specification** or **Range Specification** to add the IP address(es).

#### Single Address Specification

Specify each IP address separately.

#### Range Specification

Specify a range of successive IP addresses.

### 2. IP Address:

Enter the IP address of a computer or a network device to allow access when you selected **Single Address Specification** in **Specification Method**:

An IP address is expressed as four values ranging from 0 to 255.

#### Start IP Address:

Enter the first IP address in the range of addresses of the computers or network devices to allow access when you selected **Range Specification** in **Specification Method**:

An IP address is expressed as four values ranging from 0 to 255.

#### End IP Address:

Enter the last IP address in the range of addresses of the computers or network devices to allow access when you selected **Range Specification** in **Specification Method**:

An IP address is expressed as four values ranging from 0 to 255.

## »»» Note

- The **Start IP Address**: must be a smaller value than the **End IP Address**:

### 3. Comment:

Optionally enter any information to identify the device, such as the name of the computer.

## »»» Important

- Comments will be displayed only on the computer used to enter them.

## Other Screens of IJ Network Tool

- ▶ **Canon IJ Network Tool Screen**
- ▶ **Status Screen**
- ▶ **Connection Performance Measurement Screen**
- ▶ **Maintenance Screen**
- ▶ **Network Setup of the Card Slot Screen**
- ▶ **Associate Port Screen**
- ▶ **Network Information Screen**

# Canon IJ Network Tool Screen

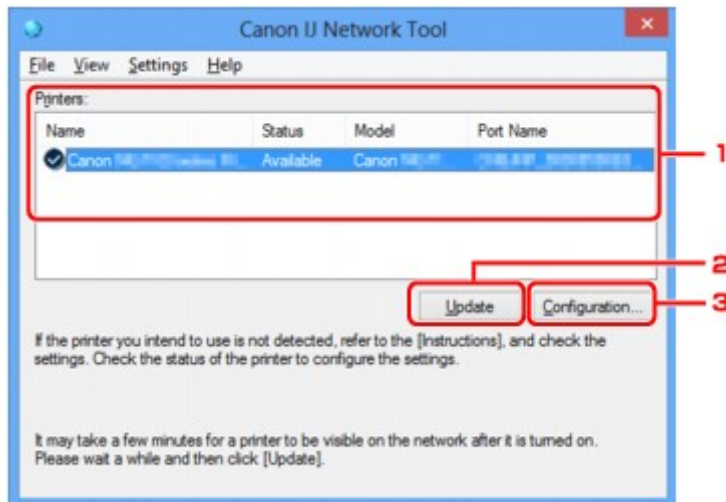
This section describes the items and menus displayed on the **Canon IJ Network Tool** screen.

## ■ Items on the Canon IJ Network Tool Screen

### ■ Canon IJ Network Tool Menus

## Items on the Canon IJ Network Tool Screen

The following item is displayed on the **Canon IJ Network Tool** screen.



### 1. Printers:

The printer name, status, printer model name, and port name are displayed.

A check mark next to the printer in the **Name** list indicates it is set as the default printer.

Configuration changes are applied to the selected printer.

### 2. Update

Performs printer detection again. Click this button if the target printer is not displayed.

### ▶▶▶ Important

- To change the printer's network settings using IJ Network Tool, it must be connected via a LAN.
- If **No Driver** is displayed for the name, associate the port with the printer.  
■ [When the Printer Driver Is Not Associated with a Port](#)
- If **Not Found** is displayed for the status, check the followings:
  - The access point is turned on.
  - When using wired LAN, the LAN cable is connected properly.
- If the printer on a network is not detected, make sure that the printer is turned on, then click **Update**. It may take several minutes to detect printers. If the printer is not yet detected, connect the machine and the computer with a USB cable, then click **Update**.
- If the printer is being used from another computer, a screen is displayed informing you of this condition.

## ▶▶▶ Note

- This item has the same function as **Refresh** in the **View** menu.

### 3. Configuration...

Click to configure settings of the selected printer.

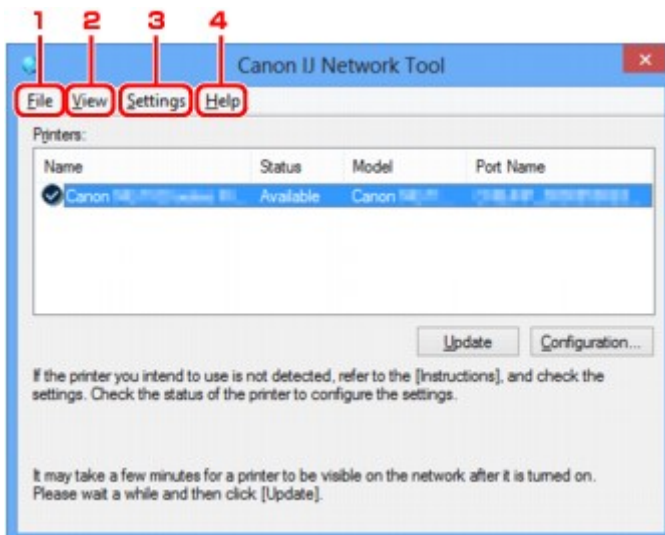
#### ■ [Configuration Screen](#)

## ▶▶▶ Note

- You cannot configure a printer that has the status **Not Found**.
- This item has the same function as **Configuration...** in the **Settings** menu.

## Canon IJ Network Tool Menus

The following menu is displayed from the **Canon IJ Network Tool** screen.



### 1. File menu

#### Exit

Exits IJ Network Tool.

### 2. View menu

#### Status

Displays the **Status** screen to confirm the printer connection status and wireless communication status.

#### ■ [Status Screen](#)

#### Refresh

Updates and displays the contents of **Printers:** on the **Canon IJ Network Tool** screen to the latest information.

## ▶▶▶ Important

- To change the printer's network settings using IJ Network Tool, it must be connected via a LAN.
- If **No Driver** is displayed for the name, associate the port with the printer.



#### ■ ■ [When the Printer Driver Is Not Associated with a Port](#)

- If **Not Found** is displayed for the status, check the followings:
  - The access point is turned on.
  - When using wired LAN, the LAN cable is connected properly.
- If the printer on a network is not detected, make sure that the printer is turned on, then select **Refresh**. It may take several minutes to detect printers. If the printer is not yet detected, connect the machine and the computer with a USB cable, then select **Refresh**.
- If the printer is being used from another computer, a screen is displayed informing you of this condition.

#### ▶▶▶ **Note**

- This item has the same function as **Update** in the **Canon IJ Network Tool** screen.

#### **Network Information**

Displays the **Network Information** screen to confirm the network settings of the printer and the computer.

#### ■ ■ [Network Information Screen](#)

#### **Display Warning Automatically**

Enables or disables automatic display of the instruction screen.

When this menu is selected, the instruction screen is displayed if one or more ports are unavailable for printing.

### 3. **Settings** menu

#### **Configuration...**

Displays the **Configuration** screen to configure settings of the selected printer.

#### ■ ■ [Configuration Screen](#)

#### ▶▶▶ **Note**

- This item has the same function as **Configuration...** in the **Canon IJ Network Tool** screen.

#### **Associate Port...**

Displays the **Associate Port** screen and you can associate a port with the printer.

#### ■ ■ [Associate Port Screen](#)

This menu is available when **No Driver** is displayed for the selected printer. Associating a port with the printer enables you to use it.

#### **Maintenance...**

Displays the **Maintenance** screen to revert the network settings of the printer to factory default and to mount the card slot as the network drive.

#### ■ ■ [Maintenance Screen](#)

### 4. **Help** menu

#### **Instructions**

Displays this guide.

#### **About**

Displays the version of IJ Network Tool.

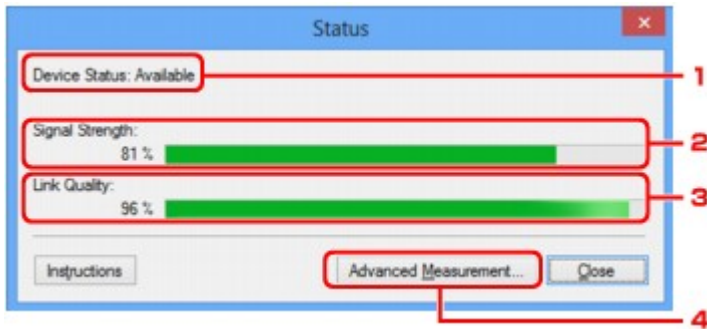
# Status Screen

You can check the printer status and connection performance.

To display the **Status** screen, select **Status** from the **View** menu.

## ►►► Note

- This screen is not available depending on the printer you are using.
- When using wired LAN, **Signal Strength:**, **Link Quality:** and **Advanced Measurement...** are not available.



### 1. Device Status:

The device status is displayed as **Available** or **Unavailable**.

### 2. Signal Strength:

Indicates the strength of the signal received by the printer, ranging from 0% to 100%.

### 3. Link Quality:

Indicates the signal quality excluding the noise while communicating, ranging from 0% to 100%.

### 4. Advanced Measurement...

To examine the connection performance between the printer and the access point or between the printer and the computer.

When you click, the **Connection Performance Measurement** is displayed.

■ [Connection Performance Measurement Screen](#)

# Connection Performance Measurement Screen

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

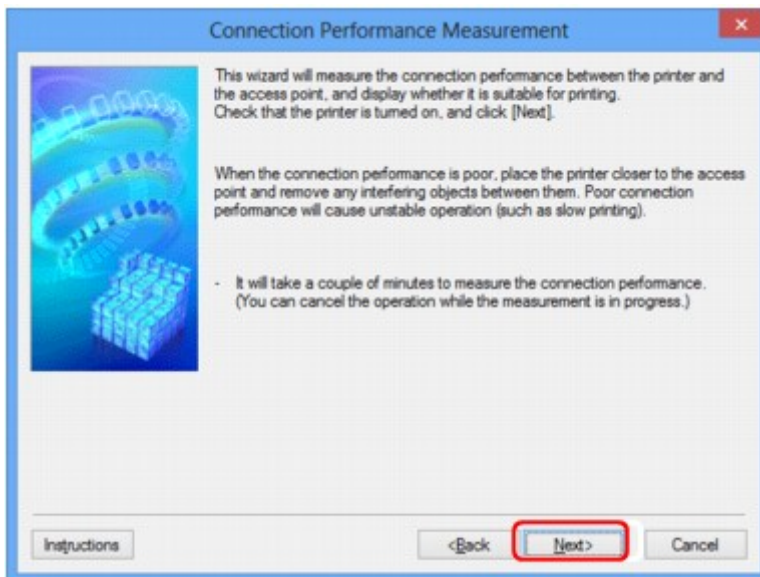
Displays to execute the connection performance measurement.

■ ■ [Connection Performance Measurement Screen \(Initial Screen\)](#)

■ ■ [Connection Performance Measurement Screen \(Completion Screen\)](#)

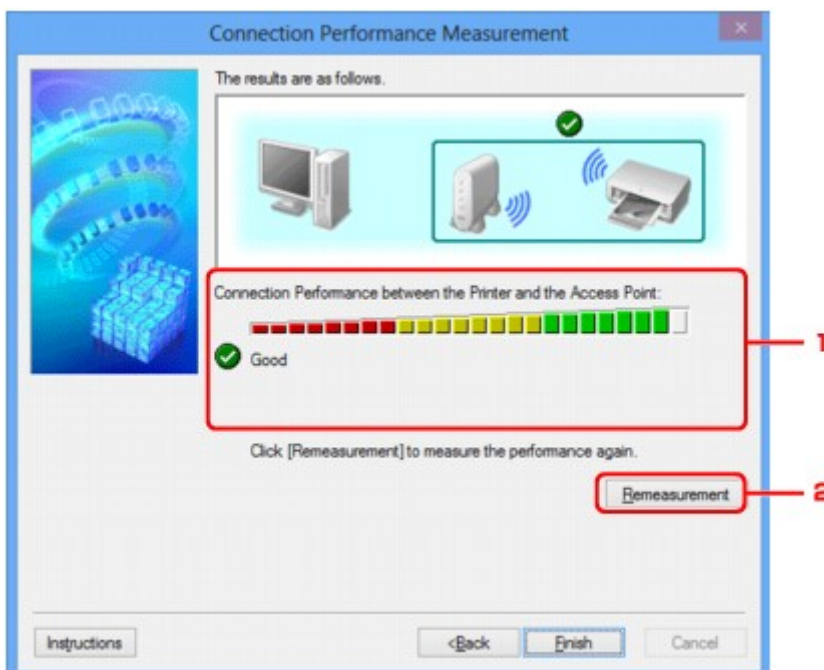
## Connection Performance Measurement Screen (Initial Screen)

Click **Next>** to start measurement.



## Connection Performance Measurement Screen (Completion Screen)


Displays when the measurement is finished.





## 1. Connection Performance between the Printer and the Access Point:

A mark indicates the result of the connection performance measurement between the printer and the access point.

: Good connection performance

: Unstable connection performance

: Cannot connect

: Measurement is canceled, or cannot measure

## 2. Remeasurement

Measures the connection performance again.

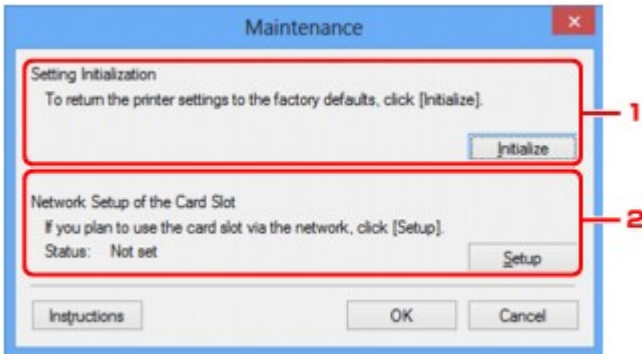
### Note

- If any messages appear on **Overall Network Performance**:, move the machine and access point as instructed to improve the performance.

# Maintenance Screen

Displays to perform **Setting Initialization** and **Network Setup of the Card Slot**.

To display the **Maintenance** screen, select **Maintenance...** from the **Settings** menu.



## 1. Setting Initialization

Reverts all the network settings of the printer to factory default. Click **Initialize** to display the **Initialize Settings** screen and click **Yes** to initialize the network settings of the printer. Do not turn off the printer during initialization. Click **OK** when initialization is complete.

Performing initialization when connected over wireless LAN will break the connection, so perform setup with the Setup CD-ROM or perform setup according to the instructions on our website.

## 2. Network Setup of the Card Slot

### ▶▶▶ Note

- This item is not available depending on the printer you are using.

**Status** displays whether the card slot is mapped as a network drive.

When you click, the **Network Setup of the Card Slot** is displayed.

■ [Network Setup of the Card Slot Screen](#)

## Network Setup of the Card Slot Screen

### ▶▶▶ Note

- This screen is not available depending on the printer you are using.

Displays settings of the card slot and allows you to map a card slot on the network as a network drive on the computer.

Displays when you click **Setup** on the **Maintenance** screen.

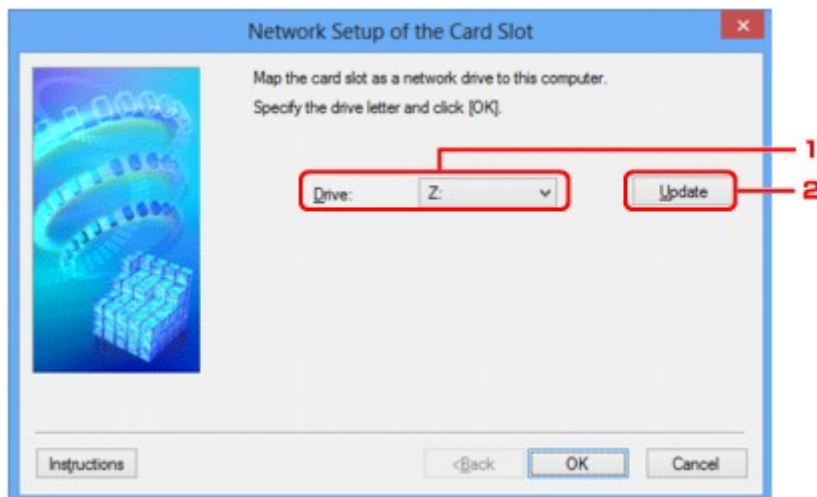
■ [Network Setup of the Card Slot Screen \(Setup Screen\)](#)

■ [Network Setup of the Card Slot Screen \(Setup Failed Screen\)](#)

### ▶▶▶ Note

- You can change the network settings of the printer using IJ Network Tool with USB connection after initializing the LAN settings. To change the network settings using IJ Network Tool, activate the LAN settings in advance.

## Network Setup of the Card Slot Screen (Setup Screen)



### 1. Drive:

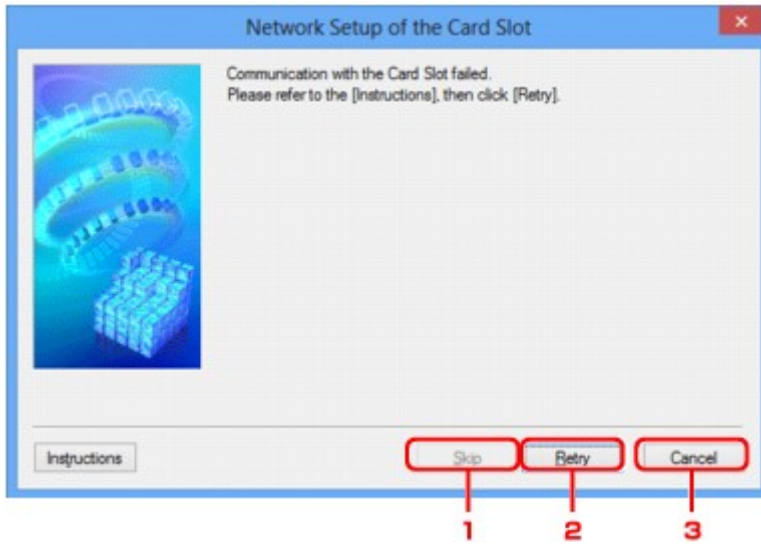
Select the drive letter to assign to the network drive.

### 2. Update

Reloads the drive letters that are unassigned in **Computer** (**My Computer** in Windows XP) and displays them in the **Drive:** list.

## Network Setup of the Card Slot Screen (Setup Failed Screen)

Display when the network setup of the card slot is failed.



### 1. Skip

Completes the setup without mapping a network drive to the card slot.

### 2. Retry

Returns to **Network Setup of the Card Slot** screen and re-executes the network drive mapping.

### 3. Cancel

Cancels the card slot setup. When IJ Network Tool is running over LAN, the **Cancel** button is displayed grayed out and cannot be clicked.

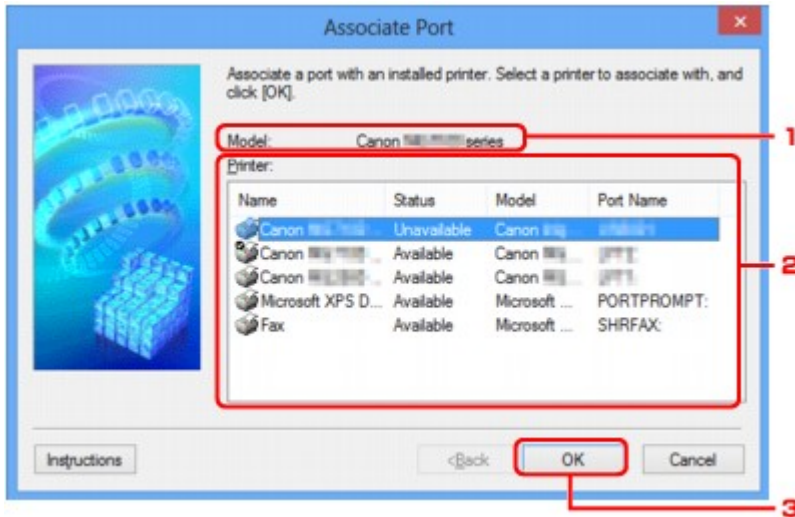
# Associate Port Screen

Allows you to associate a created port with a printer driver.

Select the printer for which you want to change the association, then click **OK**.

## ▶▶▶ Note

- You cannot print with the printer unless the printer driver is associated with the port.



### 1. **Model:**

Displays the name of device specified as a destination port.

It is blank if the name of device is not detected.

### 2. **Printer:**

Displays the printer driver installed in the computer.

Select the printer for which you want to change the association.

### 3. **OK**

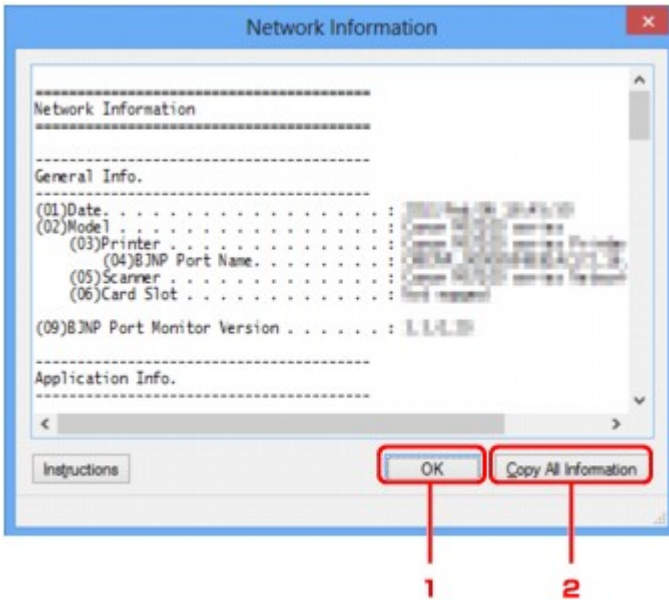
Performs association.



# Network Information Screen

Display the network information that is set for the printers and the computers.

To display the **Network Information** screen, select **Network Information** from the **View** menu.



## 1. OK

Returns to the **Canon IJ Network Tool** screen.

## 2. Copy All Information

All network information displayed is copy to the clipboard.

## **Appendix for Network Communication**

- **Using the Card Slot over a Network**
- **When the Printer Driver Is Not Associated with a Port**
- **About Technical Terms**
- **Restrictions**
- **About Firewall**

# Using the Card Slot over a Network

## ▶▶▶ Note

- This screen is not available depending on the printer you are using.

## ■ ■ [Mounting the Card Slot as the Network Drive](#)

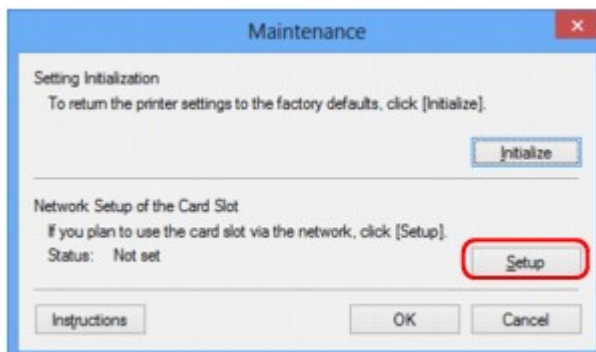
## ■ ■ [Restrictions on Card Slot Use over a Network](#)

### Mounting the Card Slot as the Network Drive

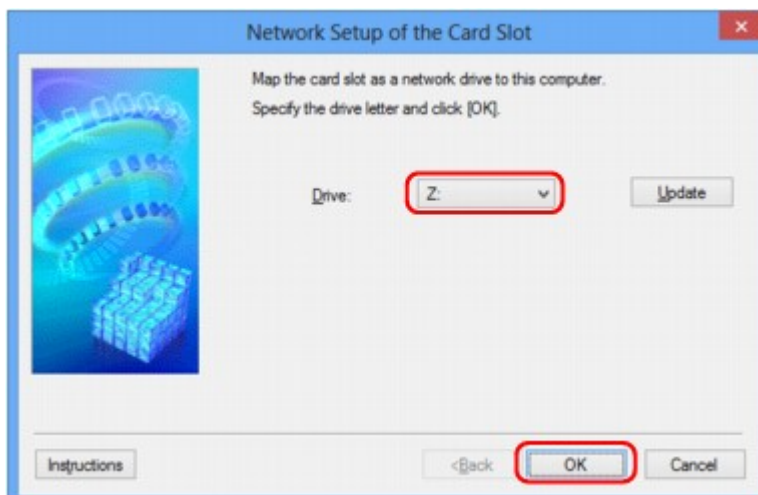
The card slot must be mounted to use it over a network.

To mount the card slot as the network drive, follow the procedure below.

1. Insert a memory card into the card slot of the machine.
2. [Start up IJ Network Tool.](#)
3. Select the machine in **Printers:**.
4. Select **Maintenance...** on the **Settings** menu.
5. Click **Setup**.

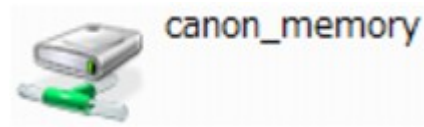


6. Specify the drive letter, then click **OK**.



## 7. Make sure that the card slot is mounted.

When the card slot is mounted, the following icon appears on **Computer** (or **My Computer**).



## Restrictions on Card Slot Use over a Network

- The card slot can be shared by multiple computers, if the machine is connected to a network. Multiple computers can read files from a memory card in the card slot at the same time. However, while one computer is writing a file into a memory card, other computers cannot access the same file.
- If your computer joins a domain, the card slot may not be mounted as the network drive.
- If you use the memory card stored the large size files or many files, a large amount of card access may be generated. In this case, the operation in the memory card may be impossible or slow. Operate after the **Access** lamp of the machine is lit.

- When you access the network drive for the card slot over the network, file names consisting of eight or less lowercase letters (not including its extension) may be shown in uppercase.

For example, a file name such as "abcdefg.doc" will be "ABCDEFGG.DOC", while a name such as "AbcdeFG.doc" will appear the same.

The file is not actually renamed, but merely appears to be changed.

- When you enable a memory card in the card slot of the machine to be writable only from a USB-connected computer, you cannot access the network drive of the card slot. On the other hand, when you enable it to be writable only from a LAN-connected computer, the card slot is not detected via USB. Make sure that the card slot setting is selected properly according to your connection method.

To read files from a memory card via USB and over a network, disable the function to write files to a memory card from a computer. You cannot write files to a memory card in either way with this setting.

- When you enable a memory card in the card slot of the machine to be writable only from a LAN-connected computer, you can write files to a memory card from a computer connected to a network. Note that it may increase the risk that the data on the memory card is infected by computer viruses or accessed illegally.

It is recommended to use the access control function of the machine or connect to the Internet via a router. For information on using a router, contact your Internet service provider or a network device manufacturer.

- If you write files to a memory card over a network when IJ Network Scanner Selector EX is not running, the Date Modified of the files may not be proper. Make sure to start up IJ Network Scanner Selector EX before you write files to a memory card over the network. For details, refer to "IJ Network Scanner Selector EX Menu and Setting Screen" from the HOME of your product's *Online Manual*.

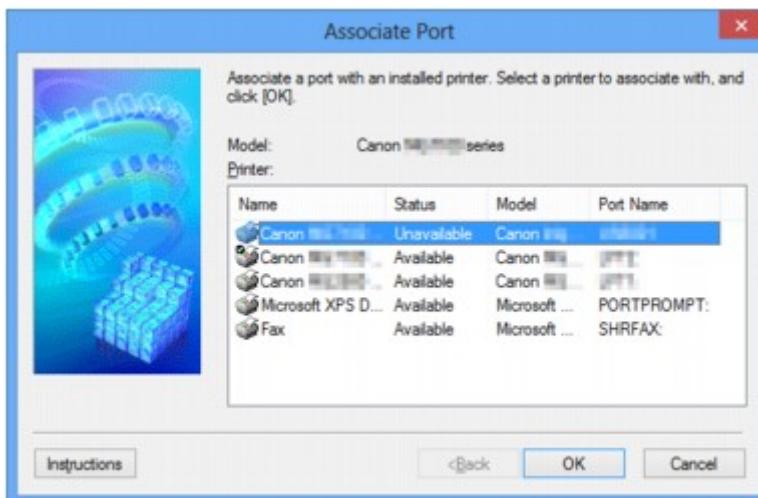
## When the Printer Driver Is Not Associated with a Port

If **No Driver** is displayed for the printer's name on the **Canon IJ Network Tool** screen, the printer driver is not associated with a created port.

To associate a port with a printer driver, follow the procedure below.

1. [Start up IJ Network Tool.](#)
2. Select the printer displayed as **No Driver** on **Name**.
3. Select **Associate Port...** on the **Settings** menu.

The **Associate Port** screen is displayed.



4. Select a printer to associate with a port.

The list of the printers that the printer driver is installed is displayed at **Printer:** on the **Associate Port** screen. Select a printer to associate with a created port.

5. Click **OK**.

# About Technical Terms

In this section, technical terms used in the manual are explained.

[■ A](#)

[■ B](#)

[■ C](#)

[■ D](#)

[■ E](#)

[■ F](#)

[■ G](#)

[■ H](#)

[■ I](#)

[■ J](#)

[■ K](#)

[■ L](#)

[■ M](#)

[■ N](#)

[■ O](#)

[■ P](#)

[■ Q](#)

[■ R](#)

[■ S](#)

[■ T](#)

[■ U](#)

[■ V](#)

[■ W](#)

## A

- **Access Point**

A wireless transceiver or base station that receives information from wireless clients/the machine and rebroadcasts it. Required in an infrastructure network.

- **Ad-hoc**

Client computer and machine setting where wireless communication occurs on a peer-to-peer basis, i.e., all clients in with the same SSID/network name communicate directly with each other. No access point is required. This machine does not support ad-hoc communication.

- **Admin Password**

Administration password in IJ Network Tool to restrict access to network users. It must be entered to access the printer and change printer settings.

When the printer's network settings are factory default, the admin password does not have to be entered.

- **AES**

An encryption method. It is optional for WPA. Strong cryptographic algorithm adopted within U.S. government organizations for information processing.

- **Authentication Method**

The method that an access point uses to authenticate a printer through a wireless LAN. The methods are agreeable each other.

When using WEP as an encryption method, the authentication method is able to fix to **Open System** or **Shared Key**.

For WPA/WPA2, authentication method is PSK.

- **Auto**

The printer automatically changes its authentication method to match the access point.

- **Open System**

In this authentication method, the communication partner is authenticated without using WEP key even if **Use WEP** is selected.

- **Shared Key**

In this authentication method, the communication partner is authenticated using the WEP key that was set for encryption.

## **B**

- **Bonjour**

A service built into Mac OS X operating system to detect the connectable devices on a network automatically.

## **C**

- **Channel**

Frequency channel for wireless communication. In the infrastructure mode, the channel is automatically adjusted to match that set to the access point. This machine supports channels 1 to 13. Note that the number of channels that can be used for your wireless LAN varies depending on the region or country.

## **D**

- **Default Gateway**

A relay device to connect to another network such as a router or a computer.

- **DHCP server functionality**

The router or the access point assigns an IP address automatically whenever the printer or the personal computer on a network starts up.

- **DNS server**

A server that converts device names into IP addresses. When specifying IP addresses manually, specify the addresses of both a primary and a secondary server.

## **F**

- **Firewall**

It is a system that prevents an unlawful computer access in the network. To prevent, you can use the firewall function of a broadband router, the security software installed in the computer, or operation system for computer.

## I

- **IEEE 802.11b**

International standard for wireless LAN using the 2.4 GHz frequency range with a throughput of up to 11 Mbps.

- **IEEE 802.11g**

International standard for wireless LAN using the 2.4 GHz frequency range with a throughput of up to 54 Mbps. Compatible with 802.11b.

- **IEEE 802.11n**

International standard for wireless LAN using the 2.4 GHz and 5 GHz frequency ranges. Even when using two or more antennas simultaneously or obtaining a bigger transfer rate than before by using multiple communication channels at the same time, the transmission speed may be influenced by the connected apparatus.

At the maximum transfer rate of 600 Mbps, it is possible to communicate with multiple computer terminals within a dozen or so metre radius.

Compatible with 802.11b and 802.11g.

- **Infrastructure**

Client computer and machine setup where all wireless communications pass through an access point.

- **IP Address**

A unique number with four parts separated by dots. Every network device that is connected to the Internet has an IP address. Example: 192.168.0.1

An IP address is usually assigned by an access point or a DHCP server of the router automatically.

- **IPv4/IPv6**

They are internetwork-layer protocol used on the internet. IPv4 uses 32-bit addresses and IPv6 uses 128-bit addresses.

## K

- **Key Format**

Select either **ASCII** or **Hex** as the WEP key format. The character that can be used for the WEP key differs depending on the selected key formats.

- ASCII

Specify with a 5 or 13-character string that can include alphanumeric and underscore "\_" characters. It is case-sensitive.

- Hex

Specify a 10-digit or 26-digit string that can contain hexadecimal (0 to 9, A to F, and a to f).

- **Key Length**

Length of the WEP key. Select either 64 bits or 128 bits. Longer key length allows you to set a more complex WEP key.



## L

- **Link Quality**

The status of connection between the access point and the printer excluding noise (interference) is indicated with a value from 0 to 100%.

- **LPR**

A platform-independent printing protocol used in TCP/IP networks. It is not supported bidirectional communication.

## M

- **MAC Address**

Also known as the physical address. A unique and permanent hardware identifier that is assigned to network devices by its manufacturer. MAC addresses are 48 bits long and are written as a hexadecimal number separated by colons, i.e., 11:22:33:44:55:66.

## O

- **Operation Status**

Indicates the status on whether the printer can be used.

## P

- **Proxy server**

A server that links a LAN-connected computer to the Internet. When using a proxy server, specify the address and the port number of the proxy server.

- **PSK**

An encryption method employed by WPA/WPA2.

## R

- **Router**

A relay device to connect to another network.

## S

- **Signal Strength**

The strength of the signal received by the printer from the access point is indicated with a value from 0 to 100%.

- **SSID**

Unique label for wireless LAN. It is often represented such as a network name or an access point name.

SSID distinguishes one wireless LAN from another to prevent interference.

The printer and all clients on a wireless LAN must use the same SSID in order to communicate with each other. The SSID can be up to 32 characters long, and is made up of alphanumeric characters. The SSID may also be referred to by its network name.

- **Stealth**

In the stealth mode, an access point hides itself by not broadcasting its SSID. The client must specify the SSID set to the access point to detect it.

- **Subnet Mask**

IP address has two components, the network address and the host address. Subnet Mask used to calculate the Subnet Mask address from the IP address. A Subnet Mask is usually assigned by an access point or a DHCP server of the router automatically.

Example:

IP Address: 192.168.127.123

Subnet Mask: 255.255.255.0

Subnet Mask Address: 192.168.127.0

## T

- **TCP/IP**

Suite of communications protocols used to connect hosts on the Internet or the LAN. This protocol allows different terminals to communicate with each other.

- **TKIP**

An encryption protocol employed by WPA/WPA2.

## U

- **USB**

Serial interface designed to enable you to "hot-swap" devices, i.e., by plugging and unplugging them without turning off the power.

## W

- **WCN (Windows Connect Now)**

Users running Windows Vista or later can obtain the setting information directly via wireless network (WCN-NET).

- **WEP/WEP Key**

An encryption method employed by IEEE 802.11. Shared security key used to encrypt and decrypt data sent over wireless networks. This printer supports key length of 64 bits or 128 bits, key format of ASCII code or Hexadecimal, and key number of 1 to 4.

- **Wi-Fi**

International association that certifies interoperability of wireless LAN products based on the IEEE 802.11 specification.

This machine is a Wi-Fi authorized product.

- **Wireless LAN**

A network that, instead of being connected by physical wires, is connected by a wireless technology, such as Wi-Fi.

- **WPA**

Security framework announced by the Wi-Fi Alliance in October 2002. The security has been strengthened more than WEP.

- Authentication

WPA defines the following authentication methods: PSK that can be used without an authentication server, plus WPA-802.1x that do require an authentication server.

This machine supports WPA-PSK.

- Passphrase

This encrypted key is used to perform WPA-PSK authentication.

The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

- **WPA2**

Security framework released by the Wi-Fi Alliance in September 2004 as a later version of WPA. Provides a stronger encryption mechanism through Advanced Encryption Standard (AES).

- Authentication

WPA2 defines the following authentication methods: PSK that can be used without an authentication server, plus WPA2-802.1x that do require an authentication server.

This machine supports WPA2-PSK.

- Passphrase

This encrypted key is used to perform WPA2-PSK authentication.

The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

- **WPS (Wi-Fi Protected Setup)**

WPS is a standard for easy and secure establishment of a wireless network.

There are 2 primary methods used in the Wi-Fi Protected Setup:

PIN entry: a mandatory method of setup for all WPS certified devices

Push button configuration (PBC): an actual push button on the hardware or through a simulated push button in the software.

## **Restrictions**

If you use a printer over the wireless LAN, the printer may recognize nearby wireless systems, you should set a network key (WEP, WPA, or WPA2) to the access point to encrypt wireless transmission. Wireless communication with a product that does not comply with the Wi-Fi standard cannot be guaranteed.

Connecting with too many computers may affect the printer performance, such as printing speed.

# About Firewall

A firewall is a function of the security software installed in the computer or operation system for computer, and is a system that is designed to prevent unauthorized access to a network.

## Precautions When a Firewall Function is Enabled

- A firewall function may limit communications between a printer and a computer. This may disable printer setup and communications.
- During the printer setup, you may be prompted to enable or disable communications, depending on the firewall function of the security software or operation system. If so, choose to enable communications.
- When using IJ Network Tool, you may be prompted to enable or disable communications, depending on the firewall function of the security software. If so, choose to enable communications.
- If you cannot set up the printer, temporarily disable the firewall function of the security software or operation system.

### Important

- If you disabled the firewall function, disconnect your network from the Internet.

- Some applications (like the network configuration software) override firewall settings. Check the application's settings beforehand.
- If the printer you use is set to **Get IP address automatically**, the IP address changes every time the printer connects to the network. This may disable printer setup and communications, depending on the firewall settings. In this case, either change the firewall settings or assign a fixed IP address to the printer. An IP address can be set using IJ Network Tool.

 [Changing the Settings in the Wireless LAN Sheet](#)

 [Changing the Settings in the Wired LAN Sheet](#)

When assigning a fixed IP address to the printer, you will need to specify an IP address with which the computer can communicate.

### Note

- For the operation system firewall settings or the security software firewall settings, refer to the instruction manual of the computer or software, or contact its manufacturer.

## **Tips for Ensuring Optimal Printing Quality**

- ▶ **Useful Information about Ink**
- ▶ **Key Points to Successful Printing**
- ▶ **Be Sure to Make Paper Settings after Loading Paper**
- ▶ **Canceling a Print Job**
- ▶ **Printer Handling Precautions**
- ▶ **Key to Enjoying Consistent Printing Quality**
- ▶ **Precautions for Safe Transport of the Printer**

## Useful Information about Ink

### How is ink used for various purposes other than printing?

Ink may be used for purposes other than printing.

When you use the Canon printer for the first time after you install the bundled ink tanks, the printer consumes a small amount of ink in the amount to enable printing by filling the nozzles of the Print Head with ink. For this reason, the number of sheets that can be printed with the first ink tanks is fewer than the succeeding ink tanks.

The printing costs described in the brochures or websites are based on the consumption data from not the first ink tank /ink cartridge but the succeeding ink tank /ink cartridge.

Ink is sometimes used to maintain the optimal printing quality.

To keep printer's performance, Canon printer performs cleaning automatically according to its condition. When the printer performs cleaning, a small amount of ink is consumed. In this case, all colors of ink may be consumed.

#### [Cleaning function]

The cleaning function helps the printer to suck air bubbles or ink itself from the nozzle and thus prevents print quality degradation or nozzle clogging.

### 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.

### Why does the printer have two black ink tanks?

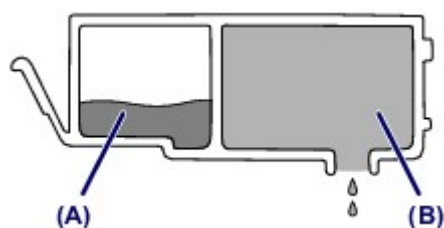
There are two kinds of black ink in the printer: dye ink (BK) and pigment ink (PGBK).

The dye ink is used mainly for printing photos, illustration, etc., and the pigment ink is used for text-based documents. Each has different purposes so that even if one runs out, another will not be used instead. If either of them runs out, the ink tank replacement is required.

These two inks are automatically used depending on the type of printing paper or the settings of the printer driver. You cannot change the usage of these inks yourself.

### The ink lamp indicates when ink is running low.

The inside of the ink tank consists of (A) the part where ink is preserved and (B) the sponge with absorbed ink.



When the ink (A) runs out, the ink lamp flashes slowly to indicate that the ink is running low.

Then, when the ink (B) runs out, the ink lamp flashes fast to indicate that the ink tank needs to be replaced with a new one.

## ■ ■ [Checking the Ink Status with the Ink Lamps](#)



# Key Points to Successful Printing

## Check the printer 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 printer 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 printer with [Bottom Plate Cleaning](#).

## Check how to load the paper correctly!

- Is the paper loaded in the correct orientation?

To load paper in the rear tray, load paper WITH THE PRINT SIDE FACING YOU.

■ [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!

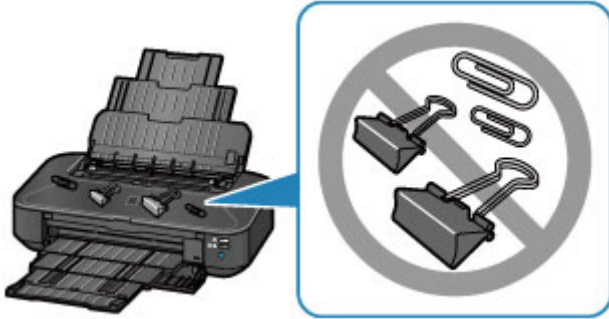
If you press the **ON** button while printing is in progress, the print data sent from the computer queues in the printer and you may not be able to continue to print.

Press the **RESUME/CANCEL** button to cancel printing.

## Printer Handling Precautions

### Do not place any object on the top cover!

Do not place any object on the top cover. It will fall into the rear tray when the top cover is opened and cause the printer to malfunction. Also, place the printer where objects will not fall on it.



## 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 unplug the power cord until the power is turned off!

If you press the **ON** button to turn off the power, the printer caps the print head (nozzles) automatically to prevent from drying. If you unplug the power cord from the wall outlet before the **POWER** lamp is not lit, the print head will not be capped properly and this will cause drying or clogging.

When [unplugging the power cord](#), make sure that the **POWER** lamp is not lit.

### 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 printer has not been used for a long time.

We recommend you to use the printer at least once a month.

#### ▶▶ Note

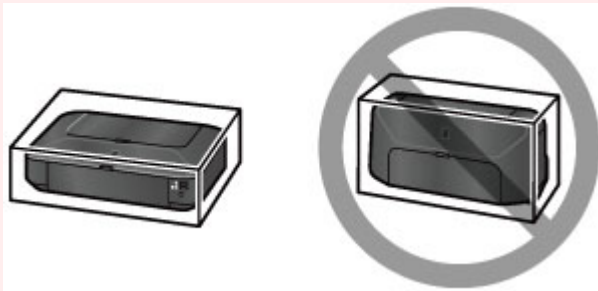
- Depending on the type of paper, ink may blur if you trace the printed area with a highlight pen or paint-stick, or bleed if water or sweat comes in contact with the printed area.

## Precautions for Safe Transport of the Printer

When relocating the printer, make sure of the following.

### ▶▶▶ Important

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



1. Turn the printer off.
2. Confirm that the **POWER** lamp is off and [unplug the power cord](#).

### ▶▶▶ Important

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

3. Retract the paper support, then close it.
4. Retract the paper output tray, then close the front cover gently.
5. Unplug the printer cable from the computer and from the printer, then unplug the power cord from the printer.
6. Use adhesive tape to secure all the covers on the printer to keep them from opening during transportation. Then pack the printer in the plastic bag.
7. Attach the protective material to the printer when packing the printer in the box.

## Legal Limitations on Use of Your Product and Use of Images

It may be unlawful to print 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

<b>Printing resolution (dpi)</b>	9600* (horizontal) x 2400 (vertical) * Ink droplets can be placed with a pitch of 1/9600 inch at minimum.
<b>Interface</b>	<b>USB Port:</b> Hi-Speed USB *1 <b>LAN Port:</b> Wired LAN: 100BASE-TX / 10BASE-T Wireless LAN: IEEE802.11n / IEEE802.11g / IEEE802.11b *2 *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. *2 Setup possible through WPS (Wi-Fi Protected Setup), WCN (Windows Connect Now) or Cableless setup.
<b>Print width</b>	12.7 inches/322.2 mm (for Borderless Printing: 13 inches/329 mm)
<b>Operating environment</b>	<b>Temperature:</b> 41 to 95 °F (5 to 35 °C) <b>Humidity:</b> 10 to 90 % RH (no condensation) * The performance of the printer may be reduced under certain temperature and humidity conditions. Recommended conditions: <b>Temperature:</b> 59 to 86 °F (15 to 30 °C) <b>Humidity:</b> 10 to 80 % RH (no condensation) * For the temperature and humidity conditions of papers such as photo paper, refer to the paper's packaging or the supplied instructions.
<b>Storage environment</b>	<b>Temperature:</b> 32 to 104 °F (0 to 40 °C) <b>Humidity:</b> 5 to 95 % RH (no condensation)
<b>Power supply</b>	AC 100-240 V, 50/60 Hz
<b>Power consumption</b>	<b>Printing:</b> Approx. 24 W *1 <b>Standby (minimum):</b> Approx. 2.0 W *1*2 <b>OFF:</b> Approx. 0.3 W *1 Wireless LAN is active. *2 The wait time for standby cannot be changed.
<b>External dimensions</b>	Approx. 23 (W) x 12.3 (D) x 6.3 (H) inches Approx. 584 (W) x 310 (D) x 159 (H) mm * With the Paper Support and Paper Output Tray retracted.
<b>Weight</b>	Approx. 17.9 lb (Approx. 8.1 kg) * With the Print Head and ink tanks installed.



<b>Print Head/Ink</b>	Total 5120 nozzles (P/BK 1024 nozzles, Y/DyeBK each 512 nozzles, C/M each 1536 nozzles)
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## Network Specifications

<b>Communication protocol</b>	TCP/IP
<b>Wired LAN</b>	<p><b>Supported Standards:</b> IEEE802.3u (10BASE-TX) / IEEE802.3 (10BASE-T)</p> <p><b>Transfer speed:</b> 10 M/100 Mbps (auto switching)</p>
<b>Wireless LAN</b>	<p><b>Supported Standards:</b> IEEE802.11n / IEEE802.11g / IEEE802.11b</p> <p><b>Frequency bandwidth:</b> 2.4 GHz</p> <p><b>Channel:</b> 1-11 or 1-13</p> <p>* Frequency bandwidth and available channels differ depending on country or region.</p> <p><b>Communication distance:</b> Indoors 164 feet/50 m</p> <p>* Effective range varies depending on the installation environment and location.</p> <p><b>Security:</b></p> <p>WEP (64/128 bits)</p> <p>WPA-PSK (TKIP/AES)</p> <p>WPA2-PSK (TKIP/AES)</p> <p><b>Setup:</b></p> <p>WPS (Push button configuration/PIN code method)</p> <p>WCN (WCN-NET)</p> <p>Cableless setup</p> <p><b>Other Features:</b> Administration password</p>

## Minimum System Requirements

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

### Windows

<b>Operating System</b>	Windows 8, Windows 8.1 Windows 7, Windows 7 SP1 Windows Vista SP1, Windows Vista SP2 Windows XP SP3 32-bit only
<b>Browser</b>	Internet Explorer 8 or later
<b>Hard Disk Space</b>	3 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.
<b>Display</b>	XGA 1024 x 768

## Mac OS

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

## Other Supported OS

Some functions may not be available with each OS. Refer to the manual or the Canon web site for details on operation with iOS, Android, and Windows RT.

## Mobile Printing Capability

Apple AirPrint

Google Cloud Print

- An internet connection is required to view the *Online Manual*.
- Windows: Operation can only be guaranteed on a computer with Windows 8.1, Windows 8, Windows 7, Windows Vista or Windows XP pre-installed.
- Windows: A CD-ROM Drive or internet connection is required during software installation.
- Windows: Internet Explorer 8, 9 or 10 is required to install Easy-WebPrint EX.  
Easy-WebPrint EX for Internet Explorer 9 or 10 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.

Specifications are subject to change without notice.