The following ink tanks are compatible with this printer. For details on ink tank replacement, refer to “Print Head Maintenance” in this guide.
Exif Print
This printer supports Exif Print.
Exif Print is a standard for enhancing the communication between digital cameras and printers. By connecting to an Exif Print-compliant digital camera, the camera’s image data at the time of shooting is used and optimized, yielding extremely high quality prints.

Canadian Radio Interference Regulations
This digital apparatus does not exceed the Class B limits for radio noise emissions from a digital apparatus as set out in the interference-causing equipment standard entitled “Digital Apparatus,” ICES-003 of the Industry Canada.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel bouillleur NMB-003 d'Industrie Canada intitulée « Appareils numériques ».

International ENERGY STAR® Program
As an ENERGY STAR® Partner, Canon Inc. has determined that this product meets the ENERGY STAR guidelines for efficiency.

The International ENERGY STAR® Office Equipment Program is a global program that promotes energy saving through the use of computer and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, faxes and copiers. Their standards and logos are uniform among participating nations.

Power Requirements
Never use a power supply voltage other than that supplied in the country of purchase. Using the incorrect voltage could cause a fire or electric shock. The correct power supply voltages and frequencies are as follows:

AC 100-240 V, 50/60 Hz

⚠️ Warning
This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please keep away from this product in use and consult your doctor.

Regulatory Information

Color Printer Model: K10249
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.

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042
1-516-328-5600
Preface

Shipping Materials

Thank you for purchasing a Canon Bubble Jet Printer. Check that all the following items are in the box. If anything is missing or is damaged, contact your local Canon sales representative.

- Printer
- Setup Software & User’s Guide CD-ROM
- Quick Start Guide
- Print Head
- BCI-15 Black and BCI-16 Color Ink Tanks
- Universal AC Adapter
- Power Cord

* A USB cable is necessary to connect the printer with your computer. Recommended specification is Canon or other computer manufacture cable, up to 5 meters in length.

Introduction

This Quick Start Guide uses the following symbols to indicate important information. Always observe the instructions indicated by these symbols.

⚠ 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.

Also read the Safety Precautions in the User’s Guide. Observe the warnings and cautions to avoid personal injury or damage to the printer.

Trademark Notices

- Canon® is a registered trademark of Canon Inc.
- PIXMA and BJ is a trademark of Canon Inc.
- Microsoft® and Windows® are registered trademarks of Microsoft Corporation in the U.S. and other countries.
- Apple, Mac, Macintosh are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.
- The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Canon, Inc. is under licence.
- IrDA Feature Trademark and IrDA Logo are owned by the Infrared Data Association.
- All other trademarks and registered trademarks appearing in this Quick Start Guide are the property of their respective owners.

Copyright ©2005 CANON INC.

All rights reserved. No part of this publication may be transmitted or copied in any form whatsoever without the express written permission.
Setting Up

1 Preparing the Printer

1 Place the printer on a flat surface.
2 Remove the shipping materials from the printer.

2 Connecting the Printer and Power Supply

Universal AC adapter  Power cord

Power cord specifications differ for each country.

⚠ Warning

- Never attempt to plug the power cord into the power outlet or unplug the power cord when your hands are wet.
- Never damage, modify, stretch, or excessively bend or twist the power cord. Do not place heavy objects on the power cord.
- Never use any power supply other than the standard power supply available in the country of purchase. Using the incorrect voltage and frequency could cause a fire or electric shock.
- Always push the plug all the way into the power outlet.

-> Notes

- If your computer has an earth connection, ensure that this is attached.
- If you do not intend to use the printer for a long period of time, unplug the power cord from the power outlet after turning off the printer.
Follow the steps below to install the printer driver correctly.

1. Plug the power cord into the Universal AC Adapter.
2. Plug the DC plug into the printer.
3. Plug the power cord into the power outlet.

### 3 Installing the Print Head

1. Open the Paper Support and the Paper Output Slot Cover as shown.
2. Turn on the printer. Do NOT turn on the computer yet.
   The POWER lamp flashes and the printer begins to operate. Wait until the POWER lamp remains fully lit.
3. Open the Print Head Cover.
   The Print Head Holder moves to the center.
Press the Lock Button, then raise the Lock Lever. Do not touch internal parts other than the Lock Lever.

Remove the Protective Cap from the Print Head.

Notes
- Do not touch the Print Head Nozzles.
- Do not attempt to reattach the Protective Cap once it has been removed.

Place the Print Head in the Print Head Holder aligning the \(\nabla\) mark with the \(\triangledown\) mark.
Lock the Print Head into place by lowering the lever.
Press down the Lock Button until it clicks. Do not touch the Lock Lever once the Print Head has been installed.

4 Installing the Ink Tanks

Caution
• For safety reasons, store ink tanks out of the reach of small children.
• Do not drop or shake ink tanks as this may cause the ink to leak out and stain your clothes and hands.

1 Take out the black ink tank.
2 Hold the ink tank as shown in the diagram and remove the Protective Cap.

Notes
• Do not touch the ink port.
• Do not attempt to reattach the Protective Cap once it has been removed.

3 Insert the black ink tank slant into the back slot aligning the mark with the mark.
4 Press the \( \text{ink} \) until it clicks into place.

5 Use the same procedure to install the color ink tank in the front slot.

6 Close the Print Head Cover.

---

5 Loading Paper

### Loading A4 (Letter) Size Plain Paper

1 Open the Paper Support and the Paper Output Slot Cover as shown.

2 Ensure that the Paper Thickness Lever to the right position.

---

#### Note

Wait until the preparatory operation is complete: it takes about 2 minutes.

---

3 To avoid paper jams, fan the stack to remove static cling, then align the edges of the stack by tapping it on a flat surface.

4 Load the paper, aligning it with the right side of the Auto Sheet Feeder.

You can load up to 30 sheets of plain paper. Do not exceed this limit.

5 Slide the Paper Guide against the left side of the stack of paper.

---

You now need to install the printer driver:

- Windows: Go to page 7
- Macintosh: Go to page 11
6 Installing the Printer Driver

Use USB cable.

Recommended: Canon or other computer manufacturer cable, up to 5 meters in length.

Installing the Printer Driver – Windows

**Notes**

- When performing infrared communication, requirements for using the computer must be satisfied. Refer to “Printing Data through Infrared Communication” on page 19 before installing the printer driver.
- Before installing the driver, close any open software applications (including anti-virus, computer security, and other software).
- When using an optional Bluetooth unit*, connect this printer to your computer with a USB cable and install the printer driver. Additional setup operations are required to perform printing through Bluetooth wireless technology. Refer to the Bluetooth Unit BU-10 User's Guide for details.
- The Bluetooth unit is not available to some regions due to the law of the countries or the regulations. For details, contact your local Canon service representative.
- Do not disconnect the cable or remove the CD-ROM during the installation. The driver cannot be correctly installed.
- The screens below refer to Windows XP Service Pack 2 (hereafter, called Windows XP SP2) installation. Screens may differ depending on the operating system you are using.
- When installing the printer driver in Windows XP or Windows 2000, log on to the system as a member of the Administrators group.

If the following screen appears automatically, click **Cancel** and follow steps 1 to 10 to install the printer driver.

Special Notes for Windows 98 or Windows Me USB Users

Click **Cancel** to quit the screen and turn off the printer. Next, remove and replace the USB cable connected to your computer.
1 Turn off the printer.

2 Turn on the computer and start Windows. If any applications automatically run, quit them.
   Disable any virus detection programs.
   Do NOT turn the printer on at this stage.


   - **Notes**
     - If the CD-ROM does not run automatically, click Start and select My Computer, then double-click the CD-ROM icon. For non-Windows XP, double-click My Computer in the Windows screen, then double-click the CD-ROM icon.
     - If the language selection screen appears, select a language, then click Next.
     - If the place selection message appears, select your place of residence, then click Next.

4 Follow the instructions displayed on the screen. When the screen shown on the left is displayed, click Easy Install.

   - **Note**
     When you select Easy Install, the items included in the CD-ROM are installed automatically.
     To select particular items to install, click Custom Install and follow the instruction on the screen.

5 When the list of applications to install appears, verify the contents, click Install, then follow the instructions on the screen.

6 Read the License Agreement and click Yes.
7 When the screen shown on the left appears, ensure that the printer is connected to the computer.

When performing infrared communication, make the IrDA port of each other’s device stand opposite to each other. Distance between IrDA ports should be 80 cm or less.

8 Turn the printer on.

If the printer is recognized, the printer driver will be automatically installed.

**Note**

If the connection is not recognized, refer to the section “Notes on Handling the Interface Between the Devices (for Windows Users)” on page 28.

9 Click **OK**.

Some screens appear after clicking **OK**. Read the content shown on the screens and click **Next**.
When the screen shown on the left appears, click **Exit**.

If a message prompting you to restart the computer appears, click **Restart**.

If ruled lines are displaced or the print result is unsatisfactory, align the Print Head.

Refer to “Aligning the Print Head” in the *User’s Guide*.

---

**Notes**

- To view the *User’s Guide*, double-click the *User’s Guide* short-cut icon on the desk top.
- For further information of applications and how to start them, refer to “Applications Included in the CD-ROM Package” on page 29.
Installing the Printer Driver – Macintosh

**Notes**
- Do not remove or insert the USB cable during installation, as this may result in the computer or printer not operating normally.
- Before installing the driver, disable all virus detection programs and automatically loading programs or remove them from your system folder.
- The screen below refer to Mac OS X v.10.3.x installation. Screens may differ depending on the operation system you are using.

1. Ensure that the printer is connected to the computer.
2. Turn on the Mac.
4. Double-click the **Setup** icon.
   
   **Note**
   If the CD-ROM does not run automatically, double-click the **CD-ROM** icon on the desktop.
5. When the Authenticate screen appears, enter your administrator name and password.
   
   **Notes**
   - If you do not know your administrator name or password, click “?” on the screen, then follow the on-screen instructions.
   - If the language selection screen appears, select a language, then click **Next**.
   - If the place selection message appears, select your place of residence, then click **Next**.
6 Follow the instructions displayed on the screen. When the screen shown on the left is displayed, click **Easy Install**.

**Note**
When you select **Easy Install**, the items included in the CD-ROM are installed automatically. To select particular items to install, click **Custom Install** and follow the instruction on the screen.

7 When the list of applications to install appears, verify the contents, click **Install**, then follow the instructions on the screen.

8 Read the License Agreement and click **Yes**.

**Note**
- Some screen appears after clicking **Yes**. Read the content shown on the screens and click **Next**.
- The language of the On-screen manual is installed corresponding to the **Select Language** screen indicated after the installation was started. If you want to install the other language **User’s Guide**, click the **Open** button when the On-screen Manual screen appears, and copy the suitable language folder on the optional place in the computer.

9 When the screen shown on the left appears, click **Restart**.

After restarting the computer, check that the printer name you want to use is shown in **Printer List**. If the printer name is not displayed, press the **Add** to add the printer.

For details, refer to the Printer Setup Utility Help in the Mac Help.

If ruled lines are displaced or the print result is unsatisfactory, align the Print Head.

Refer to “Aligning the Print Head” in the **User’s Guide**.

**Notes**
- To view the **User’s Guide**, double-click the **iP90 User’s Guide** alias on the desk top.
- For further information of applications and how to start them, refer to “Applications Included in the CD-ROM Package” on page 29.
Basic Operations

**Caution**

- If you detect smoke, unusual smells or strange noises around the printer, immediately switch the printer off and always unplug the printer. Contact your local Canon service representative.
- To avoid injury, never put your hand or fingers inside the printer while it is printing.

**Printing with Windows**

Adjusting the print settings according to your needs allows you to produce better quality prints. In this section, we will use NotePad for the purpose of explanation. The procedures and the screens that appear on your computer may differ according to the application that you use.

**Printing**

1. **Print the document from the application.**
   
   On the **File** menu, click **Print**.
   
   Check the application’s user’s manual for the actual procedures.

2. **Ensure that your printer is selected, then click:**
   
   - Windows XP → **Preferences**
   - Windows Me/Windows 98 → **Properties**
   - Windows 2000 → **Main tab**

3. **Specify the required settings and click OK.**

   **Note**
   
   If you use anything other than plain paper, please refer to “Basic Print Settings” on page 14.

4. **To start printing, click OK.**

   Printing will start in a few moments.
### Basic Print Settings

For the best print quality, specify the minimum requirement settings in the **Main** tab. To get the best results, ensure that you select the type of media loaded in the printer when printing on paper other than plain paper.

1. **Media Type**
   - Select the media loaded in the printer.

2. **Print Quality**
   - Select one option from **High**, **Standard**, and **Fast**. Select **Custom** to set the print quality manually.

3. **Color Adjustment**
   - If you wish to control the color adjustment settings in more detail, select **Manual**.

4. **Preview before printing**
   - Select this to check the layout before printing.

5. **Help**
   - Click this for a more detailed explanation of the functions in the tab. (This may not appear in Windows XP or Windows 2000. If this happens, click **Start** and select **All Programs** (or **Programs**), **Canon iP90** and **Guide**).

6. **?**
   - Click this to change the cursor shape to "?". By clicking on the item's name with this ? cursor, an explanation will be displayed.

---

**Notes**

- Clicking the **Print Advisor** allows you to change to the most appropriate print settings simply by answering questions when prompted.
- Use the application to set the paper size and paper orientation. Before printing, open the settings screen and check that the **Page Size** in the **Page Setup** tab is the same as that specified within application.
- Refer to the **User’s Guide** for more information about printer driver functionality.
Printing with Macintosh

Adjusting the print settings according to your needs allows you to produce better quality prints.

Printing

1. Open the Page Setup dialog box in your application.

   On the File menu, click Page Setup. Check the application’s user’s manual for the actual procedures.

2. Specify the page setup, then click OK.

   For details, refer to “Page Setup” on page 16.

3. Open the Print dialog box in your application to print the document.

   On the File menu, click Print. Check the application’s user’s manual for the actual procedures.

4. Specify the print settings according to your requirements.

   For details, refer to “Basic Print Settings” on page 16.

5. Click Print.

   Printing will start in a few moments.
**Page Setup**

Use the Page Setup dialog box to specify the Paper Size settings.

![Page Setup Dialog Box](image)

Select paper size you wish to use.

**Basic Print Settings**

For the best print quality, specify the minimum requirement settings in the Print dialog box. Select Quality & Media from the pop-up menu to change the display of the dialog box. To get the best results, ensure that you select the media loaded in the printer when printing on paper other than plain paper.

![Print Dialog Box](image)

(1) Media Type
Select the media loaded in the printer.

(2) Print Mode
Select the type of document you want to print.
To specify more detailed settings for the print quality, click Detailed Setting.

(3) Print
Click this to start printing.

**Notes**

- See Help for more information about other printer driver functions.
  Click (p) in the Page Setup dialog box or the Print dialog box.
- Refer to the User’s Guide for more information about printer driver functions.
Print Head Maintenance

■ If Blurring Occurs or If a Specific Color Does Not Print

Perform Print Head cleaning to improve the print quality. Ensure that the printer is turned on and follow the instructions below.

Windows
Open the printer driver settings screen and click the Maintenance tab. Click Cleaning.
(1) Click Start and select Control Panel, Printers and Other Hardware and Printers and Faxes (For non-Windows XP users, click Start, and then select Settings and Printers).
(2) Click the icon for your printer.
(3) Open the File menu and select:
   In Windows XP or Windows 2000 → Printing Preferences
   In Windows Me or Windows 98 → Properties
to open the setting screen.

Macintosh
Open the BJ Printer Utility, and select Cleaning from the pop-up menu. Click Cleaning.
(1) Double-click the hard disk icon where the printer driver was installed, the Applications folder, and the Utilities folder.
(2) Double-click the Printer Setup Utility icon.
   If you are using the OS other than Mac OS X v.10.3, double-click the Print Center icon.
(3) Select iP90 from the Name list and click Utility or Configure.
(4) Select iP90 from the Product list and click Maintenance.
to open the BJ Printer Utility dialog box.

■ When the Printer Runs out of Ink

Replace the empty ink tank with a new one.
Specify the following ink tanks when purchasing.

Ink Tank BCI-15 Black
Ink Tank BCI-16 Color

Open the Print Head Cover and remove the empty ink tank.
Do not touch the Lock Lever.
2 Install the new ink tank.

Close the Print Head Cover when finished.

*Note*

When you enable the low ink warning, reset the ink counter of the ink tank installed. Refer to the User’s Guide for more detailed procedures and information about maintenance.
Appendix

Printing Data through Infrared Communication

If you have a computer, PDA or mobile phone with an Infrared Port for wireless data communication, you can print data with a cordless connection with the printer. You can also print images, an address book, schedule, or memos received from a PDA (Personal Digital Assistance) or mobile phone in a specified format through infrared communication.

Requirements for Infrared Communication with the Computer

Printing through infrared communication can be performed under Windows XP, Windows Me, Windows 2000 or Windows 98. In order to use infrared communication, your computer must satisfy the following requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Intel Pentium or higher</td>
</tr>
<tr>
<td>IrDA</td>
<td>IrDA 1.1 compliant</td>
</tr>
<tr>
<td>Baud rate (communication speed)</td>
<td>Max. 4 Mbps</td>
</tr>
<tr>
<td>Infrared communication device</td>
<td>Infrared communication port incorporated in the computer</td>
</tr>
</tbody>
</table>

Notes

- When printing through infrared communication, the Microsoft infrared communication driver must have been installed in Windows 98 computer or later.
- In Windows 98 or Windows Me, check whether the infrared communication driver has been installed. To activate the infrared port, carry out the following operation:
  1. Click Start, and select Settings and then Control Panel sequentially.
  2. Check whether the Wireless Link icon (Windows Me) or the Infrared icon (Windows 98) is displayed in the window.
     If this icon is displayed, the required infrared driver has already been installed. If this icon is not displayed, change the BIOS setting to activate (turn on) the Infrared Port. For the procedure, refer to your computer manual.
- In Windows 98, follow the procedure below:
  3. Double-click the Infrared icon.
  4. Check whether the Enable infrared communication check box is selected. If the check box is not selected, select it.
- Before printing data or using a maintenance function of the printer driver, ensure that the name of the printer is displayed by placing the mouse pointer on the Wireless Link icon (For Windows 98, click the Infrared icon) on the Control Panel.
- In Windows XP or Windows 2000, BJ Status Monitor is not displayed.
Requirements for Infrared Communication with the PDA

In order to use infrared communication, your PDA must satisfy the following requirements:

<table>
<thead>
<tr>
<th>Requirements for Infrared Communication with the PDA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PDA</strong></td>
</tr>
</tbody>
</table>
| **Printable contents** | • Microsoft Pocket PC 2002  
Contacts (perform printing from the contacts list), Calendar, Tasks, and Image (JPEG images only)  
• Palm Computing Palm OS 3.5/4.1/5.0  
Contacts, Date Book, To Do List, and Memo Pad (text only; printing hand-written memo pad is not supported) |
| **Character code** | • Alphanumeric code  
• ISO 8859-1/2/5 |

Requirements for Infrared Communication with the Mobile Phone

In order to use infrared communication, your mobile phone must satisfy the following requirements:

<table>
<thead>
<tr>
<th>Requirements for Infrared Communication with the Mobile Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mobile phone</strong></td>
</tr>
</tbody>
</table>
| **Printable contents** | Address book, Mail, Photo image (JPEG image only)  
* The contents which can be used change with usage's mobile phones. |
| **Character code** | • Alphabet-Numeric code  
• ISO 8859-1/2/5 |

Setting the Media Type, Paper Size, and Layout When Printing From a PDA or Mobile Phone

You can select the media type, page size, layout, and borderless printing in the Canon iP90 Setup Utility when printing from a PDA or mobile phone.

Important
Before using the Canon iP90 Setup Utility, you must connect this printer to your computer with a USB cable and install the printer driver and the Canon iP90 Setup Utility.

* Windows XP SP2 is used as an example here. The same operation is applicable in Macintosh.

1 Set up the printer.

(1) Ensure that the Universal AC Adapter is connected securely.  
When using an optional battery, ensure that it has been charged.
(2) Connect the printer to your computer with a USB cable.
(3) Open the Paper Support, turn on the printer, and then turn on the computer.
2 Start the Canon iP90 Setup Utility.

Windows
Click Start and select All Programs (or Programs), Canon Utilities, Canon iP90 Setup Utility and Canon iP90 Setup Utility.

Macintosh
Open the Applications folder, and then double-click the Canon iP90 Setup Utility folder and the Canon iP90 Setup Utility icon.

3 Specify the paper size and layout.

Changing the Photo Print Settings
(1) Click Infrared / Bluetooth connection Print Settings tab.
(2) Click Change on Photo Print Settings.
The Photo Printing dialog box appears.
(3) Select a desired layout for printing.
4×6 (Standard): Prints a photo on Photo Paper Plus Glossy 4”×6”/101.6×152.4mm paper without border.
5×7 Borderless: Prints a photo on Photo Paper Plus Glossy 5”×7”/127.0×177.8mm paper without border.
Credit Card Borderless: Prints a photo on Photo Paper Plus Glossy Credit Card 2.13”×3.39”/54×86mm without border.
Credit Card Bordered: Prints a photo on Photo Paper Plus Glossy Credit Card 2.13”×3.39”/54×86mm with border.

Note
Click Custom if you want to specify the media type, paper size, layout, and borderless printing.

(4) Click Send.
You can perform printing from a PDA or mobile phone with the specified media type and layout.
For details about printing from PDA or mobile phone, refer to the section “Performing Infrared Communication” on page 22.
Changing the Document Print Settings

(1) Click **Infrared / Bluetooth connection** **Print Settings** tab.
(2) Click **Change on Document Print Settings**.
   The **Document Printing** dialog box appears.
(3) Select the printing type for the document.
(4) Click **Send**.
   You can perform printing from a PDA or mobile phone with the specified media type and layout.
   For details about printing from PDA or mobile phone, refer to the section "Performing Infrared Communication" on page 22.

---

**Note**

When performing infrared communication, also refer to your computer, mobile phone or PDA manual.

1 Ensure that the Universal AC Adapter is connected securely.
   When using an optional battery, ensure that it has been charged.

2 Open the Paper Support and turn on the printer.

3 Load the paper on the Paper Support.

---

**Notes**

Bible, Mini 6-hole, A5 paper are used for a personal organizer.
When printing these papers;
- Select 93×170mm for **Bible**, 80×126mm for **Mini 6-hole** and 210×148mm for **A5** as paper size.
- Load only one sheet at a time.
- Do not use paper thinner than 64gsm or 17lb.

---

**Note**

- It does not support printing a downloaded content or photo and a photo attached to an email for security reason.
- It does not support printing video files.
- Depending on your device, the Fine print quality option may not be available due to the restriction on the infrared transfer capacity.
- Depending on your device, it may not print data stored in a memory card.
- It automatically sets the image quality and orientation (Portrait or Landscape) according to the image size.
- It automatically sets the margin according to the image size.
- Depending on the size of an image, it may take a while for this printer to start to print after starting the infrared transfer.

---

**Note**

- It does not support printing a downloaded content or photo and a photo attached to an email for security reason.
- It does not support printing video files.
- Depending on your device, the Fine print quality option may not be available due to the restriction on the infrared transfer capacity.
- Depending on your device, it may not print data stored in a memory card.
- It automatically sets the image quality and orientation (Portrait or Landscape) according to the image size.
- It automatically sets the margin according to the image size.
- Depending on the size of an image, it may take a while for this printer to start to print after starting the infrared transfer.
4 Align the Infrared Port of the computer to that of the printer at a distance of less than 80cm. When printing from a mobile phone or PDA, place it at a distance of less than 20cm.

The effective angle of the Infrared Port of the printer is about 10° from the central axis in both vertical and horizontal directions. The allowable distance of communication with the printer depends on the computer, mobile phone or PDA you use. For this distance, refer to your computer, mobile phone or PDA manual.

**Notes**

- By pressing the RESUME/CANCEL button, you can print the same image data transmitted from the mobile phone right before.
- Do not place any obstacle between the Infrared Ports of the printer and PDA, mobile phone or computer. Data cannot be transmitted between them.
- During printing, be careful not to interrupt infrared communication with the printer. If it is interrupted, turn off the printer and cancel the printing document from the print queue list in case of the computer, and turn off only the printer in case of the mobile phone or PDA. Placing the pointer on the Wireless Link icon (In Windows 98, click the Infrared icon) on the status bar or Control Panel allows you to check whether IrDA transmission has been interrupted.

**Printing Photographs Directly from a PictBridge Compliant Device**

Connecting a PictBridge compliant device such as digital camera, camcorder or mobile phone to printer allows you to print recorded images directly without using a computer.

**Notes**

- PictBridge is an Industry standard enabling a range of digital photo solutions, including the direct printing of photos from a digital still camera, camcorder or mobile phone* without the need to use a computer.
- Canon Bubble Jet Direct allows you to print photos from a Canon Bubble Jet Direct compatible (PictBridge incompatible) digital camera or digital camcorder without a computer by simply connecting the digital camera or digital camcorder to this printer. For details, refer to “Printing Photographs Directly from a Canon Bubble Jet Direct compatible Digital Camera” on page 27.

* Hereafter, the digital still camera, digital camcorder and mobile phone are collectively called a PictBridge compliant device.
Connecting to a PictBridge Compliant Device

To connect a PictBridge compliant device to this printer, use the USB cable supplied with the device.

Caution

Do not connect any equipment other than PictBridge compliant devices or Canon Bubble Jet compatible camera to the Direct Print Port of the printer. If you do so, electric shock, fire, or damage to the device could result.

Notes

- When printing photos with the digital device connected to the printer, it is advisable to use the AC adapter supplied with the device. If you use the device battery, be sure to charge it fully.
- Depending on the model or brand of your device, you may have to select a mode of printing photos compliant with PictBridge before connecting the device. You may also have to turn on the device or select Play mode manually after connecting the device to the printer. Perform necessary operations according to the instruction manual supplied with your device.
- When printing from your PC, be sure to unplug the cable connecting the device.

1 Turn on the printer.

2 Load the paper into the Auto Sheet Feeder.

3 Connect the PictBridge compliant device to the printer.

   (1) Ensure that the device is turned off.
   (2) Connect the device to the printer using the USB cable.

Note

Some types of the PictBridge compliant devices turn on automatically, when connected to the printer. For the device not turns on automatically, turn it on manually.
(3) Turn on and set up the device for direct printing.

When the connection between the device and printer has been established, the POWER lamp on the printer flashes once.

* The power-on sequence may differ depending on the model or brand of the device.

Either of the following icons will display on the LCD display of the device when the printer is correctly connected.

- A PictBridge compliant device.
- A Canon Bubble Jet Direct compatible digital camera.

### Printing Photographs Directly from a PictBridge Compliant Device

#### Default Device Settings

When a PictBridge compliant device is connected and printing is started with no printing option selected, this printer operates based on the following default settings:

<table>
<thead>
<tr>
<th>Setting</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper size</td>
<td>10×15cm / 4”×6”</td>
</tr>
<tr>
<td>Paper type</td>
<td>Photo (Photo Paper Plus Glossy)</td>
</tr>
<tr>
<td>Layout</td>
<td>Borderless</td>
</tr>
<tr>
<td>Trimming</td>
<td>Off (No trimming)</td>
</tr>
<tr>
<td>Image optimize</td>
<td>Exif Print</td>
</tr>
<tr>
<td>Date print</td>
<td>Off (No printing)</td>
</tr>
</tbody>
</table>

**Note**

Canon iP90 Setup Utility allows you to make these settings. For details, refer to the User’s Guide.

About the Settings Explained Below

The settings explained on the following pages cannot be made on some devices. If any setting cannot be made, the default setting explained above is used.

Names of settings that are displayed on the Canon PictBridge compliant device are used in the description given below.

Different names may be displayed on your device depending on the brand or model.

For details, refer to your device’s instruction manual.

#### About Image Data Format for Printing

This printer can handle only Exif / JPEG and PNG image data to produce photos.

#### About “Paper Size” and “Paper Type”

To change the paper size or paper type, operate your device to select the PictBridge print setup mode and confirm or check the settings.

By default, 10×15cm / 4”×6” is selected in “Paper Size” and “Photo” (Photo Paper Plus Glossy) is selected in “Paper Type” for this printer.

To use Photo Paper Pro, select “Fast Photo” in “Paper type”.
The following sizes and types of paper can be loaded in the printer by selecting options in “Paper Size” and “Paper Type”.

<table>
<thead>
<tr>
<th>&quot;Paper Size&quot; setting</th>
<th>&quot;Paper Type&quot; setting</th>
<th>Paper loaded in printer</th>
</tr>
</thead>
<tbody>
<tr>
<td>10×15cm / 4”×6” (Default)</td>
<td>Photo (Default)</td>
<td>Photo Paper Plus Glossy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Photo Paper Plus Semi-Gloss</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Glossy Photo Paper</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Photo Stickers*2</td>
</tr>
<tr>
<td>Fast Photo</td>
<td>Photo</td>
<td>Photo Paper Pro</td>
</tr>
<tr>
<td>13×18cm / 5”×7” *1</td>
<td>Photo</td>
<td>Photo Paper Plus Glossy</td>
</tr>
<tr>
<td>Credit Card</td>
<td>Photo</td>
<td>Glossy Photo Paper</td>
</tr>
<tr>
<td>A4*3</td>
<td>Photo</td>
<td>Photo Paper Plus Glossy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Photo Paper Plus Semi-Gloss</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Glossy Photo Paper</td>
</tr>
<tr>
<td>Fast Photo</td>
<td>Photo</td>
<td>Photo Paper Pro</td>
</tr>
</tbody>
</table>

*1 This size can be selected only for Canon PictBridge compliant devices (Note that it can not be selected for some models).
*2 This paper is exclusively used to print photo seals. When printing on sticker paper, select “10×15cm/4”×6”” in “Paper Size”.
*3 When you selected “A4” in “Paper Size”, you can select “Plain Paper” in “Paper Type”. When you selected “Plain Paper” in “Paper Type”, bordered printing will be performed even if you select “Borderless” in “Layout”.

**About “Layout” and “Trimming”**

By default, “Borderless” is selected in “Layout” and “Off (No trimming)” is selected in “Trimming” for this printer.

**Note**

When you using Photo Stickers (PS-101), do not set “Borderless Printing” in Layout setting.

**About “Image optimize”**

If you use a Canon PictBridge-compliant camera, you can select “VIVID”, “NR”, or “VIVID+NR”. (Note that these options cannot be selected for some models.)

**Note**

- When “VIVID” is selected, green and blue portions of photos are printed vividly.
- When “NR” (Noise Reduction) is selected, noise in blue portions, such as the sky, and dark portions is removed.
- When “VIVID+NR” is selected, functions of both “VIVID” and “NR” are performed.

**About “Date print”**

By default, “Off” is selected for this printer.

If you select an image which has had the shooting date embedded in it using a camera with the print mode, set that function to off. If you set this function to on, dates will appear twice on the printed image.
Printing Photographs Directly from a Canon Bubble Jet Direct compatible Digital Camera

The following is a list of media types that can be set on a Canon Bubble Jet Direct compatible digital camera along with their limitations when connected to this printer.

Media Types for Digital Camera

When you connect a digital camera, you can use the following media:

<table>
<thead>
<tr>
<th>Digital Camera Setting</th>
<th>Media Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card #1</td>
<td>Photo Paper Pro 4”×6” / 101.6×152.4mm</td>
</tr>
<tr>
<td>Card #2</td>
<td>Photo Paper Plus Glossy, Photo Paper Plus Semi-Glossy, or Glossy Photo Paper 4”×6” / 101.6×152.4mm</td>
</tr>
<tr>
<td>Card #3</td>
<td>Photo Paper Plus Glossy 5”×7” / 127.0×177.8mm</td>
</tr>
<tr>
<td>LTR</td>
<td>Photo Paper Pro, Photo Paper Plus Glossy, Photo Paper Plus Semi-Glossy, or Glossy Photo Paper Letter</td>
</tr>
<tr>
<td>A4</td>
<td>Photo Paper Pro, Photo Paper Plus Glossy, Photo Paper Plus Semi-Glossy, or Glossy Photo Paper A4</td>
</tr>
</tbody>
</table>

Notes

- Never disconnect the USB cable during printing.
- When disconnecting the USB cable between the product and printer, follow the instructions given in the device’s instruction manual.
- Controls of the digital camera cannot be used for the following:
  - Print quality setting
  - Printer maintenance

- For the digital camera operation method and troubleshooting, refer to your digital camera’s manual.
  For print error messages, refer to “Cannot Print Properly from the Digital Camera” in the User’s Guide.
  - By operating the digital camera, you can make the following prints:
    - You can make a standard print from the image displayed in the single display mode or in the index display mode.
    - You can print specified numbers of images, or make an index print by editing the DPOF.
    - For the images taken with an Exif Print-compatible digital camera, the Photo Optimizer PRO function can be used.
    - If date printing is set from the digital camera, the date when the photograph was taken is to be printed (excluding the index print).
    - Images will be scaled automatically according to the image size set on the digital camera and the size of the media set on the printer.
- The digital camera does not support the following functions:
  - Print quality setting
  - Printer maintenance
  - Images other than Exif may not be index printed.
Notes on Handling the Interface Between the Devices (for Windows Users)

If installation of the printer driver does not proceed as explained in this Quick Start Guide, there may be a problem of interface between the computer and the printer. Try reinstalling the printer driver.

■ Reinstalling

If you cannot proceed beyond the Printer Connection screen;

■ When connecting with a USB cable
1 Click Cancel on the Printer Connection screen.
2 Click Start Over on the Installation Failure screen.
3 Click Back on the Easy Install screen.
4 Click Exit on the Welcome screen, then remove the CD-ROM.
5 Turn the printer off.
6 Restart the computer.
7 Reinstall the printer driver (see page 7).

■ When connecting through infrared communication
1 Click Cancel on the Printer Connection screen.
2 Click Start Over on the Installation Failure screen.
3 Click Back on the Easy Install screen.
4 Click Custom Install.
5 Click Next.
6 Click Install.
7 Click Yes on the License Agreement screen.
8 Click Manual Selection on the Printer Connection screen.
9 Select a port.
   • Windows XP/Windows 2000: IR
   • Windows Me/Windows 98: LPT3
   A port name other than LPT3: may be displayed depending on the type of your computer.
10 Click Next.
For Further Details...

For more information, refer to the User’s Guide. The User’s Guide is an HTML manual you can browse through on your computer.

■ User’s Guide Contents

- Printer parts and their function
- Further printing techniques
- Printing media
- Routine maintenance
- Using the Canon iP90 Setup Utility
- Troubleshooting
- Specifications

■ How to View the User’s Guide

For Windows
Double-click the User’s Guide short-cut icon on the desk top, or click Start and select All Programs (or Programs), Canon iP90 and User’s Guide.

For Macintosh
Double-click the User’s Guide alias on the desktop, or double-click top.htm in the place of the manual is copied when you copied the User’s Guide by using the manual operation.

■ Traveling Abroad with the Printer

This printer can be used also abroad. For detailed information, refer to the User’s Guide.

■ Applications Included in the CD-ROM Package

Easy-WebPrint (Windows)
You can easily print out homepages displayed on Internet Explorer in full size without its right-hand side being cropped. This application is automatically added to the Internet Explorer toolbar. Internet Explorer 5.5 or later must be installed.

Easy-PhotoPrint (Windows/Macintosh)
You can make a Borderless Print easily and quickly, just by selecting a photograph taken with a digital camera and the paper type on which to print. Also it has tools to correct red eye caused by the camera’s flash or smooth and beautify the facial skin. It is compatible with Exif Print.

PhotoRecord (Windows)
You can create fun and unique photo albums with a click of your mouse. It is compatible with Exif Print. For more information on the applications, refer to the Photo Application Guide.
BJ Printer Driver Systems Requirements

For Windows
- Use a computer equipped on which Windows XP, Windows 2000, Windows Me, or Windows 98 can operate.
- USB* interface or IrDA ver 1.1
- CD-ROM drive
- Available hard-disk space for printer driver installation (including temporary files)
  - Windows XP/Windows 2000: 150MB
  - Windows Me/Windows 98: 65MB
*USB operation can only be guaranteed on a PC with pre-installed Windows XP, Windows 2000, Windows Me, or Windows 98.

For Macintosh
- Use a Macintosh series computer equipped with USB interface on which Mac OS X v.10.2.1 or later can operate.
- USB interface
- CD-ROM drive
- Available hard-disk space for printer driver installation
  - Mac OS X v.10.2.1 or later: 340 MB
- The following functions are not supported:
  - Duplex Printing
  - Poster Printing
  - Fit to Page Printing
  - Booklet Printing
  - Reverse Order Printing (except for Mac OS X v.10.3.x)
  - Photo Optimizer Pro

Additional Systems Requirements for Electric Manual
- 15 MB free hard disk space
- Windows: Microsoft® Internet Explorer 5.0 or later.
- Macintosh: Microsoft® Internet Explorer 5.0 or later, Safari 1.0 or later.
Exif Print
This printer supports Exif Print. Exif Print is a standard for enhancing the communication between digital cameras and printers. By connecting to an Exif Print-compliant digital camera, the camera’s image data at the time of shooting is used and optimized, yielding extremely high quality prints.

Canadian Radio Interference Regulations
This digital apparatus does not exceed the Class B limits for radio noise emissions from a digital apparatus as set out in the interference-causing equipment standard entitled “Digital Apparatus,” ICES-003 of the Industry Canada.
Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur NMB-003 d'Industrie Canada intitulée « Appareils numériques ».

International ENERGY STAR® Program
As an ENERGY STAR® Partner, Canon Inc. has determined that this product meets the ENERGY STAR guidelines for efficiency.

The International ENERGY STAR® Office Equipment Program is a global program that promotes energy saving through the use of computer and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, faxes and copiers. Their standards and logos are uniform among participating nations.

Power Requirements
Never use a power supply voltage other than that supplied in the country of purchase. Using the incorrect voltage could cause a fire or electric shock. The correct power supply voltages and frequencies are as follows:
AC 100-240 V, 50/60 Hz

Warning
This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please keep away from this product in use and consult your doctor.

Regulatory Information
Color Printer Model: K10249
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.

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042
1-516-328-5600
The following ink tanks are compatible with this printer. For details on ink tank replacement, refer to “Print Head Maintenance” in this guide.