

Canon

PHOTO PRINTER

S900

User's Guide



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Introduction

Thank you for purchasing the Canon S900 Photo Printer. This User's Guide provides complete explanations of the features and functions for this printer.

This guide uses the following symbols to indicate important information. Always observe these instructions.

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 ➤ Prohibited actions that, if inadvertently performed, could result in equipment damage, faults or impaired product quality.
These must be avoided for correct operation.

Windows

Information for Windows® only.

Macintosh

Information for Macintosh® only.

How to Use This Manual

To view this User's Guide, we recommend that you use Acrobat® Reader™ 3.0 or later. The screens shown below are for Acrobat Reader 4.0. Please note that screens displayed by Acrobat Reader 3.0 or 5.0 are slightly different.



Use this button to enlarge the viewing screen. Select this button in the tool bar and click within the screen.



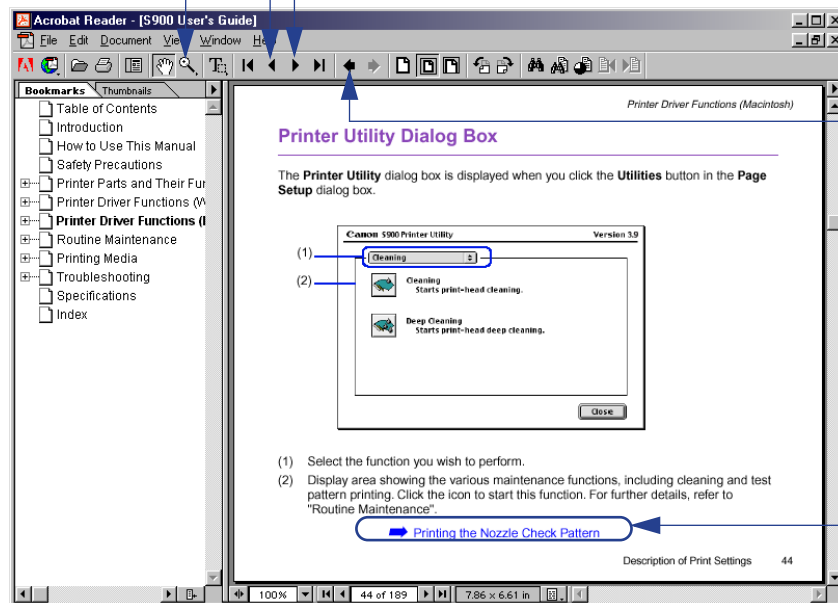
Displays the previous page.



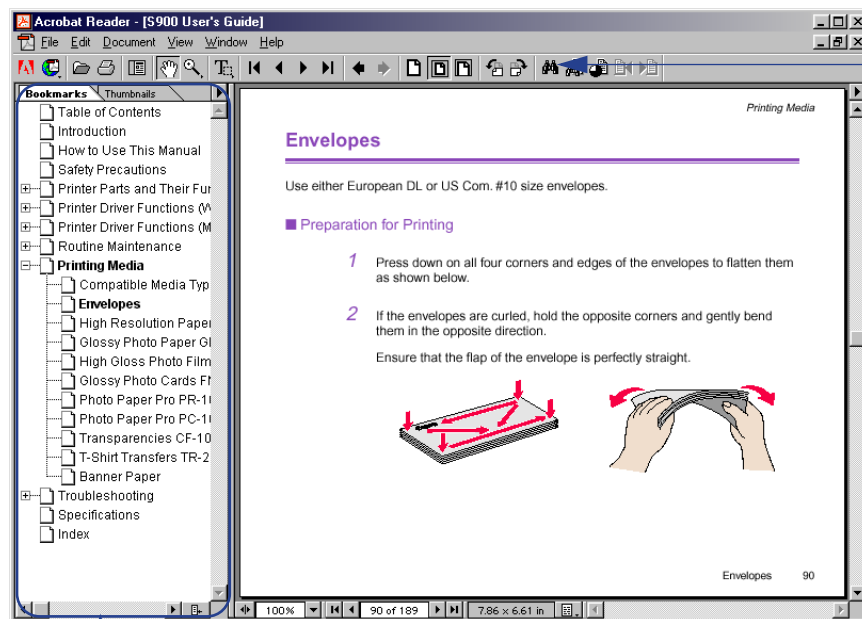
Displays the next page.



Returns to the page you were previously viewing.



Click to jump straight to this page.



Use this button to search for a word.

Displays the table of contents.
 Click the heading to jump to the topic.
 Click the "+" symbol to see the headings for each chapter.
 Click the "-" symbol to close the headings.

Safety Precautions

Please read the safety warnings and cautions provided in this manual to ensure that you use the printer safely. Do not attempt to use the printer in any way not described in this manual.

Warning ► You may cause an electric shock/fire or damage the printer if you ignore any of these safety precautions.

■ Choosing a location

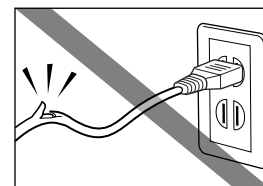
Do not place the printer close to flammable solvents such as alcohol or thinners.

■ Power supply

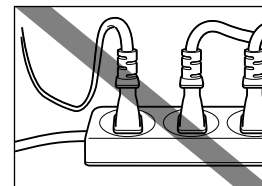
Never attempt to plug in or unplug the printer from the power supply when your hands are wet.

Always push the plug all the way into the power outlet.

Never damage, modify, stretch or excessively bend or twist the power cord. Do not place heavy objects on the power cord.



Never plug the printer into a power socket that is shared with other equipment such as an extension cord or double adapter.



Never use the printer if the power cord is bundled or knotted.

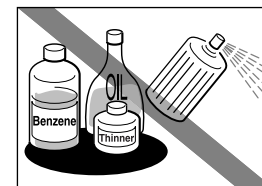
If you detect smoke, unusual smells or strange noises around the printer, immediately unplug the printer at the power supply and call for service.

Periodically unplug the printer and use a dry cloth to wipe off any dust or dirt that has collected on the plug and power outlet. If the printer is placed in a location exposed to a lot of dust, smoke or high humidity, the dust that has collected on the plug may absorb moisture and cause insulation failure and fire.

■ Cleaning the printer

Use a damp cloth to clean the printer. Never use flammable solvents such as alcohol, benzene or thinners.

If flammable solvents come in contact with electrical components inside the printer, it could cause a fire or electric shock.



Always unplug the printer from the power outlet before cleaning the printer.

If you accidentally switch the printer on while cleaning it, you could injure yourself or damage the printer.

■ Maintaining the printer

Do not attempt to disassemble or modify the printer. There are no user-serviceable parts inside the printer.

The printer contains high-voltage components. Never attempt any maintenance procedure not described in this guide.

■ Working around the printer

Do not use flammable sprays near the printer.

This could cause a fire or electric shock if the spray comes into contact with electrical components inside the printer.

Never put your hands or fingers in the printer while it is printing.

Do not place metal objects such as paper clips or staples, or containers of flammable solvents like alcohol, benzene or thinners on top of the printer.

If any foreign object (metal or liquid) falls into the printer, unplug the power cord and call for service.

Caution ➤ You may cause injury or damage the printer if you ignore any of these safety precautions.

■ Choosing a location

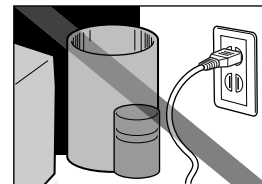
Do not install the printer in a location that is unstable or subject to excessive vibration.

Do not install the printer in a location that is very humid or dusty, in direct sunlight, outdoors, or close to a heating source.

To avoid the risk of fire or electric shocks, install the printer in a location with an ambient temperature range of 41°F to 95°F (5°C to 35°C) and humidity of 10% to 90% (condensation free).

Do not place the printer on a thick rug or carpet.

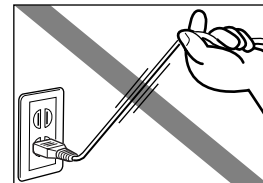
Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord if necessary.



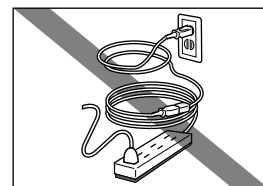
When moving the printer, carry the printer at both ends.

■ Power supply

Never remove the plug by pulling on the cord.



Do not use an extension cord.



If you do not intend to use the printer for a long period of time, unplug it after turning it off.

Never use a power supply voltage other than that supplied in the country of purchase.

The correct power supply voltages and frequencies are as follows:

USA/Canada: AC 120V, 60Hz

Europe: AC 230V \pm 10%, 50Hz

Australia: AC 240V, 50Hz

■ Printheads and ink tanks

For safety reasons, store printheads and ink tanks out of the reach of small children.

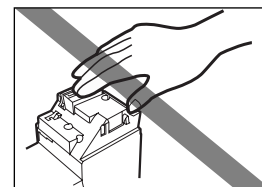
If a child ingests any ink, consult a doctor immediately.

Do not shake printheads or ink tanks.

Ink may leak out and stain clothing or the surrounding area.

Never touch the electrical contacts on a printhead after printing.

The metal parts may be very hot and could cause burns.



Printer Parts and Their Functions



- Front View
- Rear View
- Inside the Printer
- Operation Panel

Front View

Operation panel
For details, refer to
"Operation Panel".

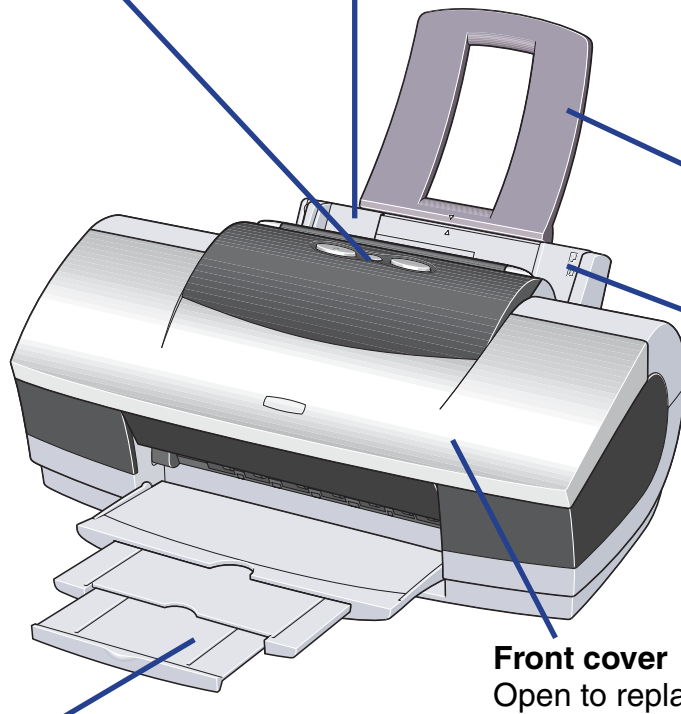
Paper guide
When loading paper, ensure
the left edge touches this
guide.
To move the paper guide,
pinch the guide and slide in
the appropriate direction.

Paper rest

Sheet feeder
Load paper here.
Paper feeds
automatically, one
sheet at a time.

Front cover
Open to replace the
ink tanks or remove
jammed paper.

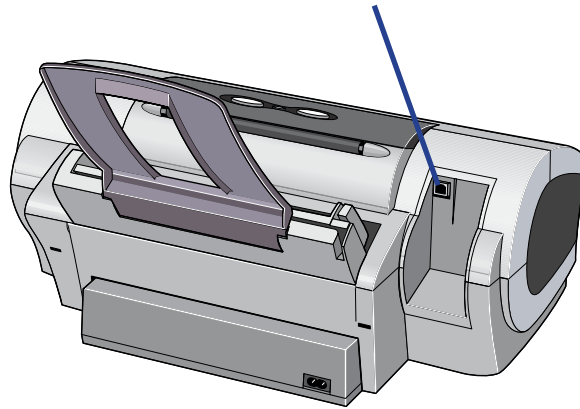
Paper output tray



Rear View

USB port

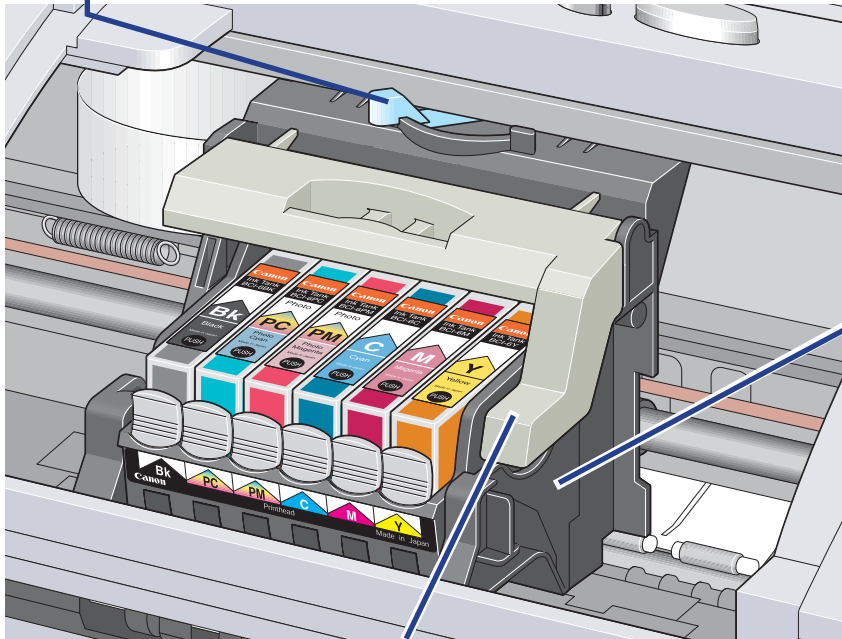
Used to connect the printer to a computer through a USB interface.



Inside the Printer

Paper thickness lever

Adjusts the gap between the printhead and the surface of the printing paper.



Printhead holder

Install the printhead here.

Printhead lock lever

Locks the printhead into the holder.

Once the printhead is installed, do not touch this lever.

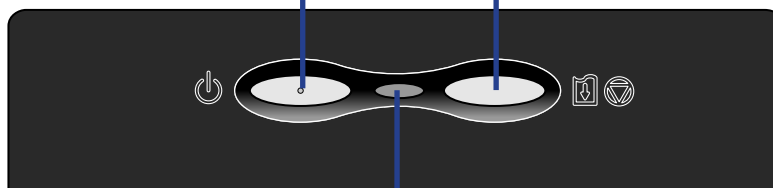
Operation Panel

POWER button

Press to turn the printer on or off. The printer will then initialize and be ready for printing.

RESUME/CANCEL button

Press to resume printing once an error has been cleared. Also, to cancel printing in progress, press this button.



POWER lamp

Off: The printer is turned off.

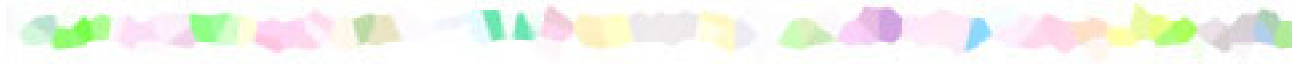
Green: The printer is ready to print.

Flashing green: The printer is preparing to print, or is currently printing.

Flashing orange: An error has occurred and the printer is not ready to print.

Flashing orange and green alternately: An error has occurred that may require a service call.

Printer Driver Functions (Windows)



- Opening the Printer Properties Dialog Box
- Printer Properties Dialog Box Description
- BJ Status Monitor Functions
- Canceling a Print Job
- Uninstalling Printer Drivers

Opening the Printer Properties Dialog Box

The Printer Properties dialog box can be opened from within an application or directly from the Windows **Start** menu.

■ Opening the Printer Properties dialog box from your application program

This method is generally used to specify printer settings just before printing.

The operations may vary slightly depending on your application program. This section describes only the general procedure for opening the Printer Properties dialog box.

- 1 In your application, select the command to print a document.

The Print dialog box can usually be opened by clicking **Print** from the **File** menu.

- 2 Ensure that **Canon S900** is selected in the **Name** field, then click **Properties**.

The Printer Properties dialog box will appear.

Note ➤ Depending on your application program, the command and menu names may differ, and there may be more steps involved in opening the Printer Properties dialog box. For further details, see your application's user manual.

■ Opening the Printer Properties dialog box directly from the Start menu

This method is used for maintenance operations such as printhead cleaning, or to specify printer settings common to all application programs.

When the Printer Properties dialog box is opened from the **Start** menu, additional tabs appear, including the Details tab. These do not appear when the Printer Properties dialog box is opened from within an application.

For further information about these additional tabs, refer to your Windows documentation.

- 1 Click **Start**, then **Settings**, then **Printers**.

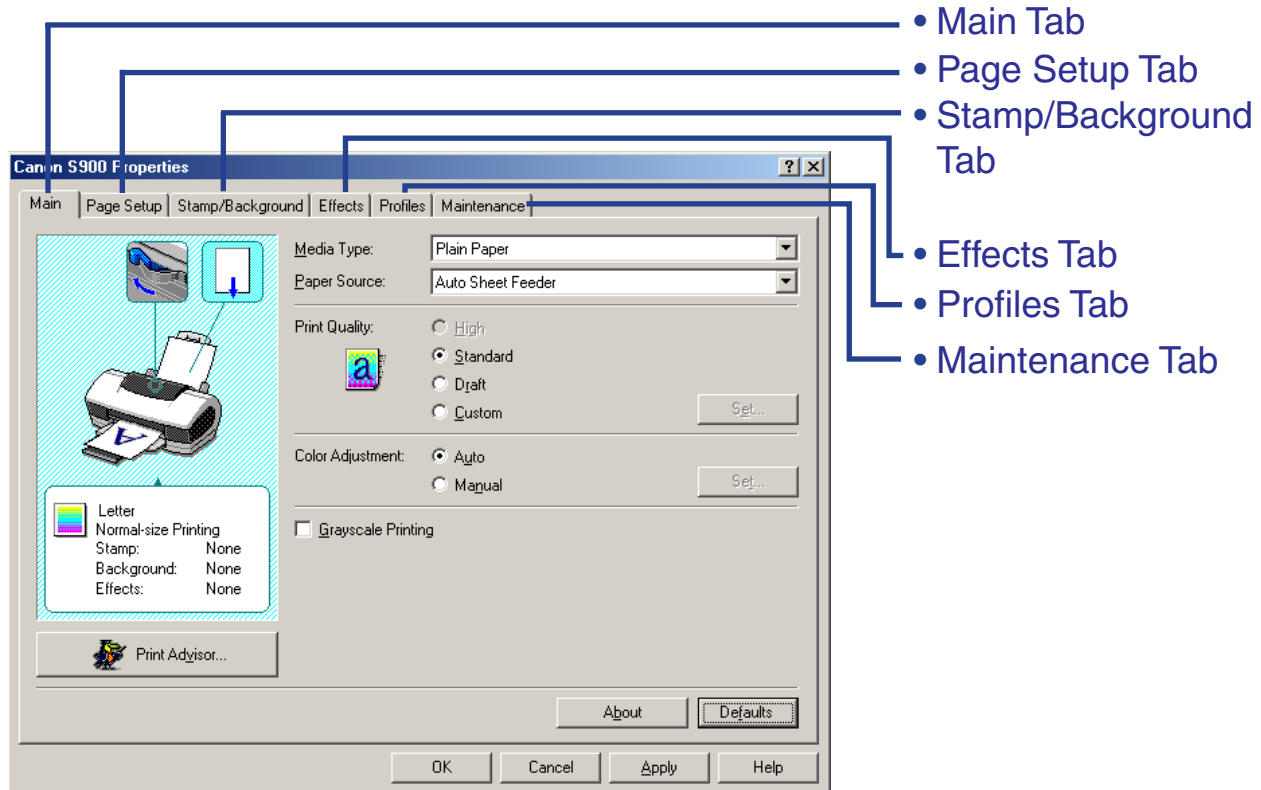
For Windows XP, click **Start**, then **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.

- 2 Click the **Canon S900** icon.

- 3 Open the **File** menu, then select:
 - Windows Me/Windows 98 → **Properties**
 - Windows XP/Windows 2000 → **Printing Preferences**

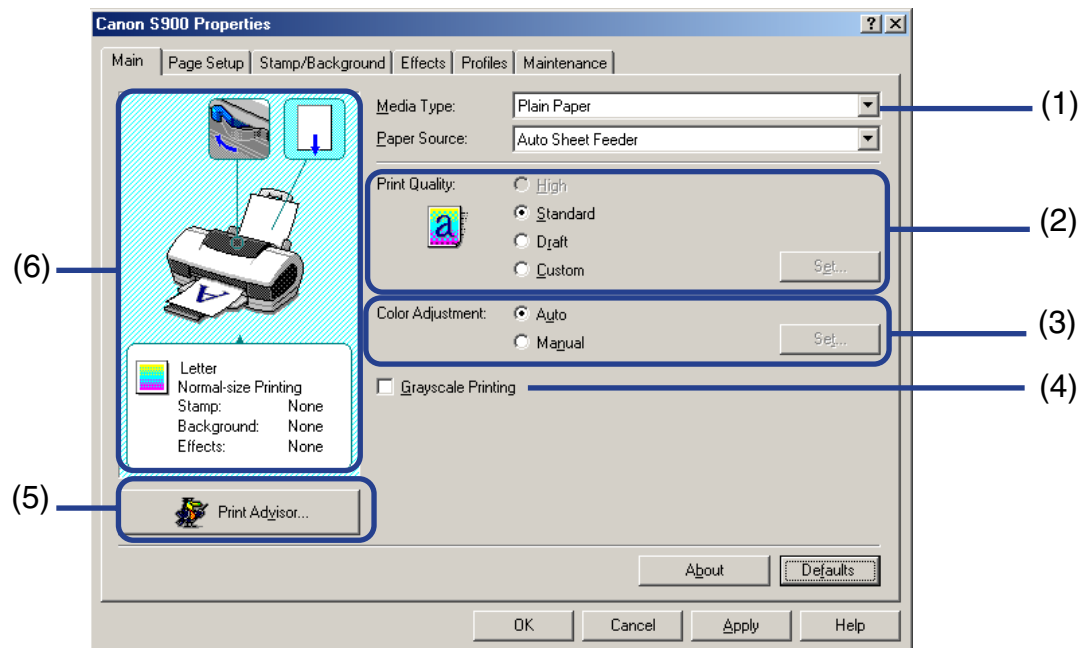
The Printer Properties dialog box will appear.

Printer Properties Dialog Box Description



Note ➤ The screens in this section refer to Windows Me/Windows 98 operation. The equivalent screens for Windows XP and Windows 2000 may look slightly different.

Main Tab



(1) Media Type

Ensure that this setting matches the type of media loaded in the printer.

(2) Print Quality

Select the print quality you require from among the different options. To select a custom print quality, click **Custom**, then **Set**.

(3) **Color Adjustment**

Select the method of color adjustment. To make detailed color adjustments, click **Manual**, then **Set**.

(4) **Grayscale Printing**

Select to print a grayscale version of a color document.

(5) **Print Advisor**

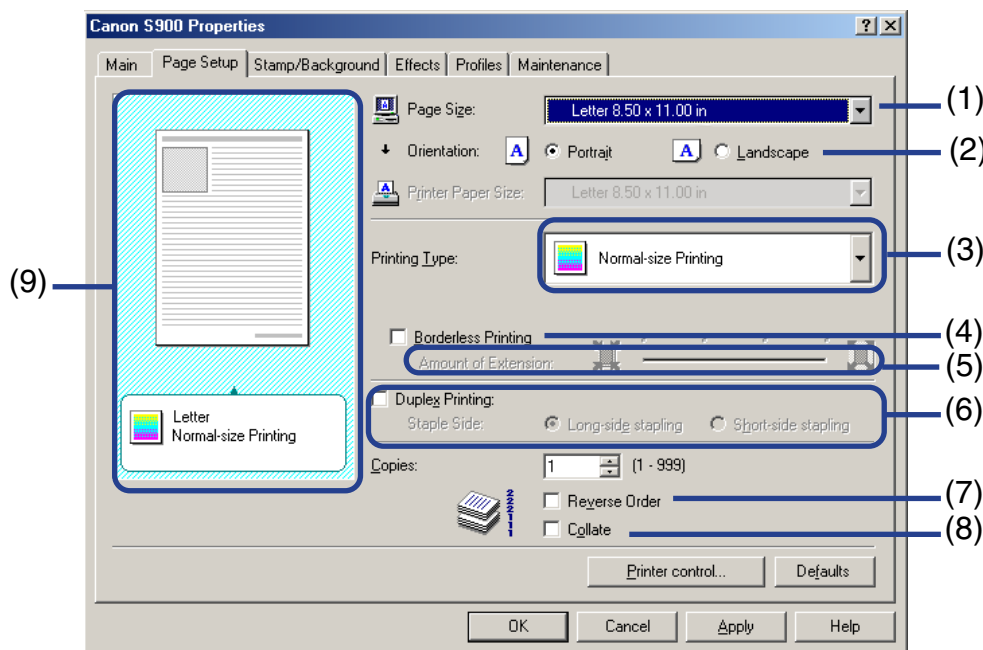
Click to start the Print Advisor. The Print Advisor simplifies configuration of the printer driver. By having the user answer a series of questions, the Printer Advisor automatically configures the printer driver settings.

(6) **Preview area**

Verify settings in the Preview area to ensure that they are correct. For example, check that the paper thickness lever position on the printer matches the setting shown in the Preview area for the media type you are using.

Note ➤ To see a description of any item in the Printer Properties dialog box, click the **?** mark, then click the desired item. To see a description of operating procedures, click **Help**. If the button does not appear when using Windows XP or Windows 2000, click **Start**, then **Programs**, then **Canon S900**, then **Guide**.

Page Setup Tab



- (1) **Page Size**
Ensure that the correct paper size is selected.
- (2) **Orientation**
Select landscape or portrait printing and ensure that it is the same orientation used in the application.

(3) **Printing Type**

Select the printing method from among the following.

- Normal-size Printing** The document is printed according to the original dimensions. This setting is usually selected by default.
- Fit-to-Page Printing** The document is automatically resized to fit the paper size. When using this function, ensure that you correctly specify the **Page Size** and the **Printer Paper Size**.
- Scaled Printing** The document is resized when printed. When this is selected, you can specify the **Printer Paper Size** and **Scaling**.
- Page Layout Printing** Pages are reduced and printed so that 2 to 16 document pages fit on each printed page.
- Booklet Printing** The multi-page document is printed so that two pages of the document fit on each printed page. The print order is set automatically. After the document is printed, you can create a booklet by folding and saddle-stitching the document.
- Poster Printing** This enlarges and splits the printed image across several sheets of paper. The printed sheets can then be assembled to make a large poster.
- Banner Printing** Select this when printing on banner paper.

(4) **Borderless Printing**

The image is printed on the entire paper surface, so that no margins are left on the four sides of the paper.

The media types available for Borderless Printing are Photo Paper Pro and Glossy Photo Paper. For all other media types, the print quality may decrease.

(5) **Amount of Extension**

When you select **Borderless Printing**, the sections that extend beyond the paper are not printed because the image is enlarged to a size slightly larger than the paper size. You can use the **Amount of Extension** slider to adjust how much the image extends beyond the paper.

It is recommended that you normally set the slider to the right end.

If you move the slider to the left to reduce the extension amount, a border may appear.

(6) **Duplex Printing**

The document is printed on both sides of the paper. After printing one side, turn the ejected page over, and print on the other side.

(7) **Reverse Order**

When selected, the document starts printing with the last page.

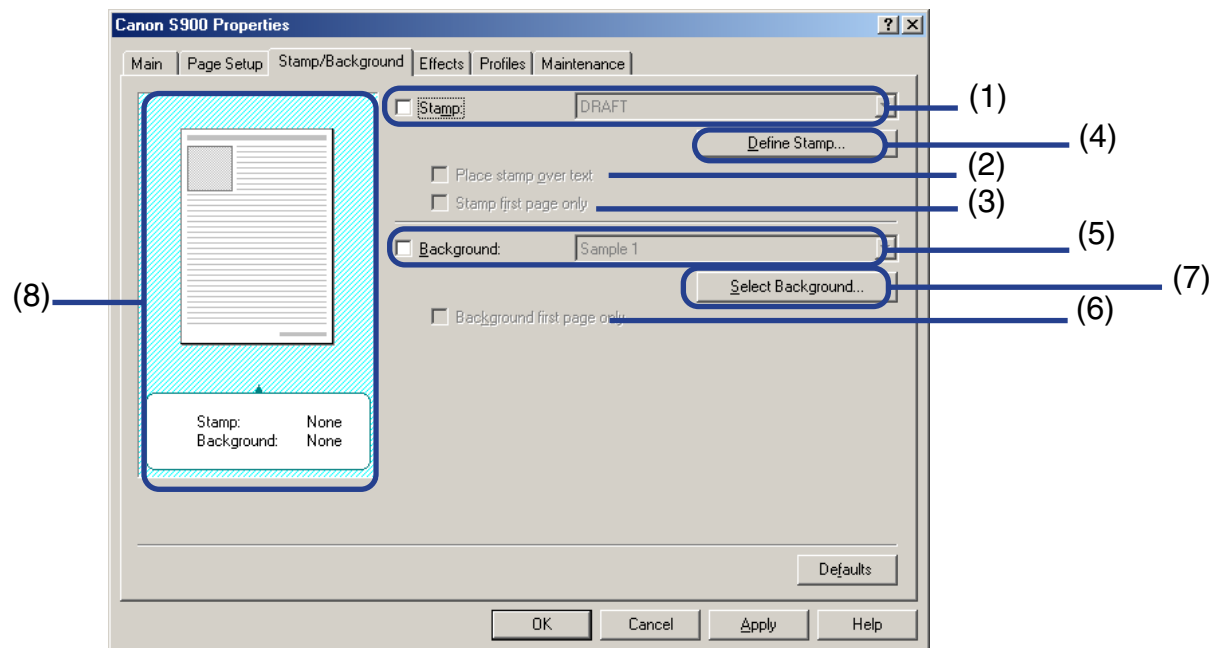
(8) **Collate**

Select to print multiple copies of the document one copy at a time.

(9) **Preview area**

Verify the overall layout, stamps, background, to be applied to the print job.

Stamp/Background Tab



- (1) **Stamp**
Select the check box, then choose a stamp.
- (2) **Place stamp over text**
When selected, the stamp is printed over the print data.
- (3) **Stamp first page only**
Prints the stamp only on the first page.

(4) **Define Stamp**

Use to create new stamps, or modify details for a selected stamp.

(5) **Background**

Select the check box, then choose the background image to be used.

(6) **Background first page only**

Prints the background image only on the first page.

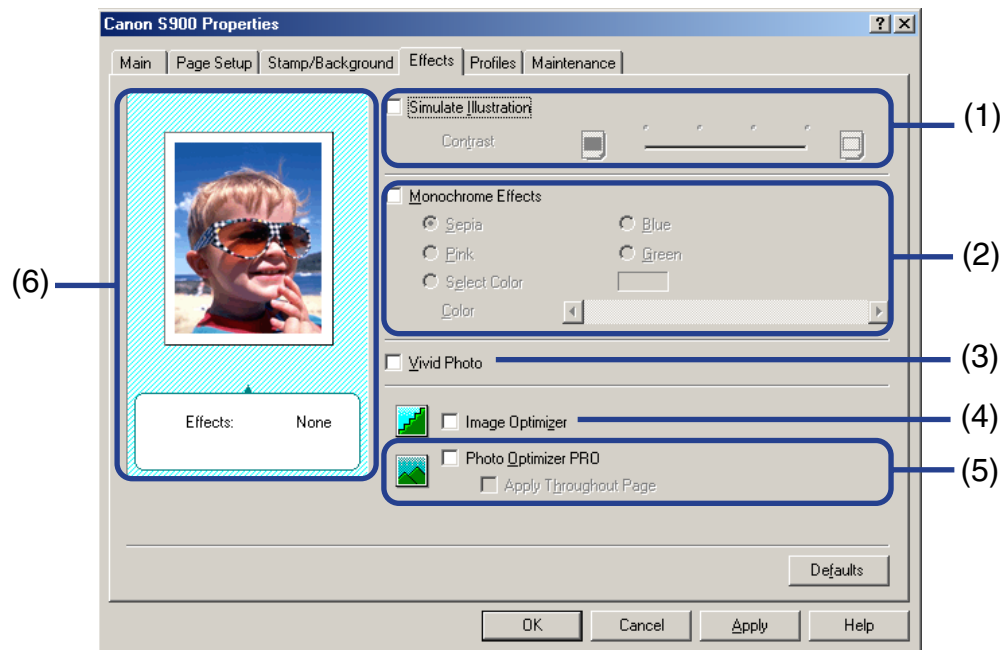
(7) **Select Background**

This allows you to select a new background, or to display the details of the background you have selected.

(8) **Preview area**

Shows how the stamp and background will appear on the printed page.

Effects Tab



(1) Simulate Illustration

This function lets you manipulate color image data to produce illustration effects. Select the check box, then adjust the image brightness with the **Contrast** slider.

(2) **Monochrome Effects**

Prints a color image in a single color. Select the check box, then choose a color or use a custom color using **Select Color**.

(3) **Vivid Photo**

With this function, you can reproduce breathtaking sceneries in which colors, especially blues and greens, appear even more vibrant. A major feature of this function is its ability to create vivid backgrounds for fields, trees, oceans, and sky, while maintaining the natural skin tones of people who appear in the images.

(4) **Image Optimizer**

Improves the contours and smooths jaggedness that occurs when photographs or graphic image data is enlarged within an application.

(5) **Photo Optimizer PRO**

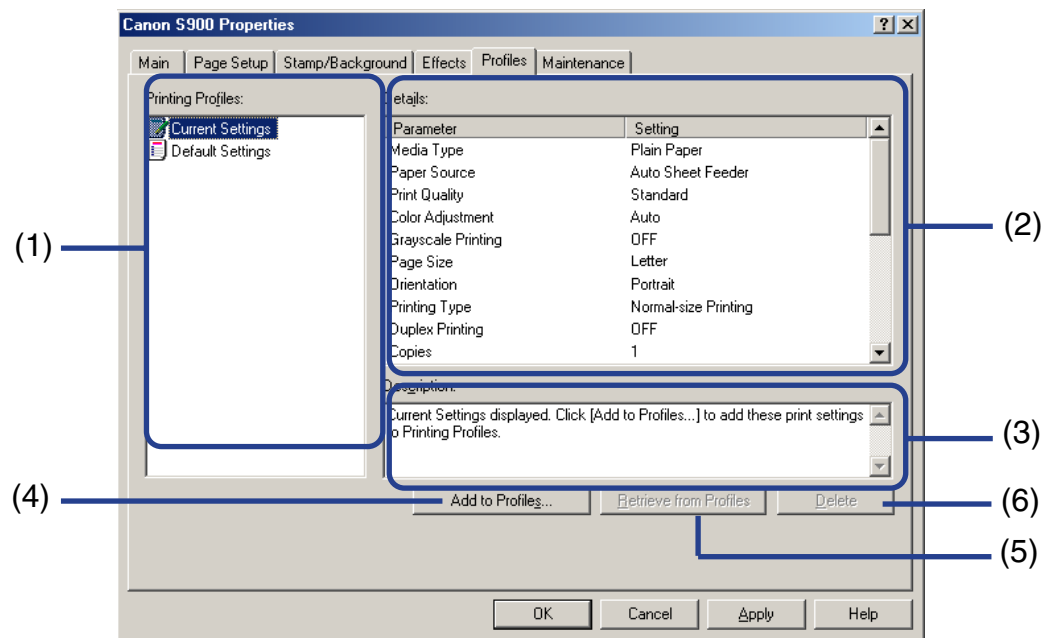
Optimizes the color of images taken from a digital camera or scanner. It is especially effective for images affected by color imbalance and over- or under- exposure.

When printing several images on one page, optimization is usually applied to each image according to its requirements. However, if the image data has been manipulated using cut-and-paste, rotation or other such operations, group optimization of all images on the page is recommended. In such cases, select the **Apply Throughout Page** check box.

(6) **Preview area**

Preview the results of your manipulated image before sending the data to the printer.

Profiles Tab



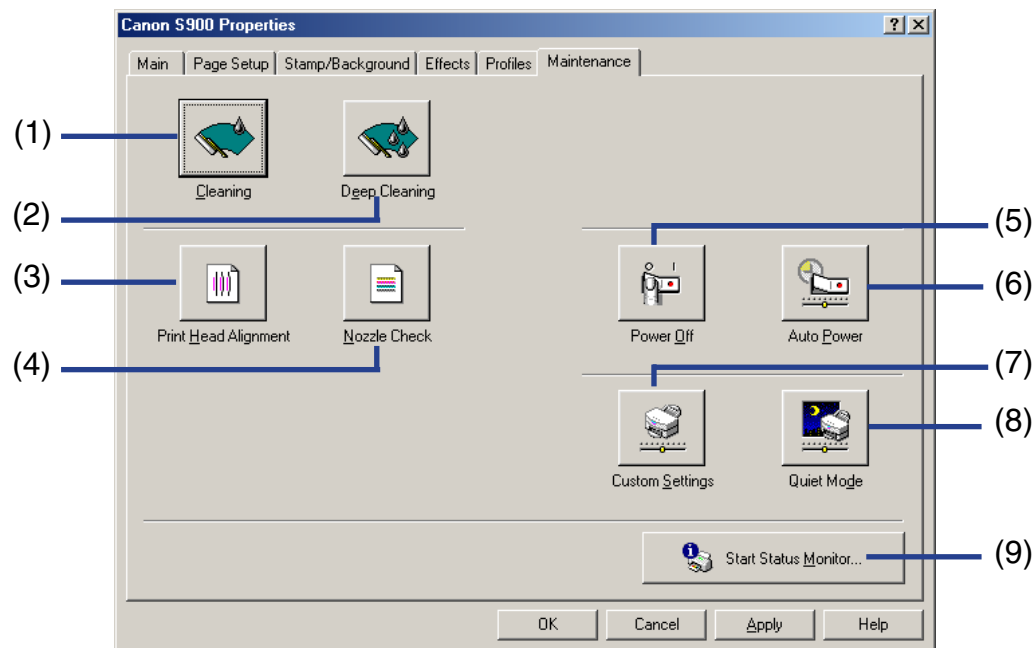
(1) Printing Profiles

Displays the print settings currently saved in the Profiles tab.

The **Current Settings** profile contains the settings currently specified in the **Main**, **Page Setup** and **Effects** tabs. The **Default Settings** profile contains the factory default settings.

- (2) **Details**
Displays all the printer settings selected in **Printing Profiles**.
- (3) **Description**
Displays a description of the printer settings selected in **Printing Profiles**. You can enter the description when saving the printer settings.
- (4) **Add to Profiles**
Click to save the settings currently specified in the **Main**, **Page Setup** and **Effects** tabs. Select **Current Settings** in the **Printing Profiles** list, then click this button. The **Add to Profiles** dialog box will appear.
- (5) **Retrieve from Profiles**
Click to activate registered printer settings. You can change the contents of the **Main**, **Page Setup** and **Effects** tabs by selecting the printer settings in **Printing Profiles**, then clicking **Retrieve from Profiles**. However, this button is disabled when **Current Settings** is selected.
- (6) **Delete**
Click to delete unwanted printer settings. Select the unwanted item in the **Printing Profiles** list, then click **Delete**. **Current Settings** and **Default Settings** cannot be deleted.

Maintenance Tab



- (1) **Cleaning**
Click to start printhead cleaning.
- (2) **Deep Cleaning**
Click to start printhead deep cleaning.
Use this function only if **Cleaning** has not improved the print quality.

(3) **Printhead Alignment**

Click to align the printhead. For details, refer to the printed *Quick Start Guide*.

(4) **Nozzle Check**

Click to print the nozzle check pattern to ensure that the printhead nozzles are ejecting ink normally. For details, refer to “[Examining the Nozzle Check Pattern](#)”.

(5) **Power Off**

Click to turn the printer off.

(6) **Auto Power**

Click to enable the printer to turn off automatically when no data is sent to the printer for a period of time, and to automatically turn the printer back on again when data is sent to the printer.

(7) **Custom Settings**

Click to modify the printer mode. Change the settings in the **Custom Setting** dialog box, then click **Send** to change the printer mode.

(8) **Quiet Mode**

Reduces the printing noise. However, the effect may be small, depending on the print quality setting.

If you use Quiet Mode, the print speed may become slower than normal.

(9) **Start Status Monitor**

Click to start the BJ Status Monitor, which checks and reports the printer status and the progress of printing jobs.

BJ Status Monitor Functions

The BJ Status Monitor displays the status of the printer.

If an error occurs, the status monitor indicates the nature of the error and suggests an appropriate solution. The status monitor also checks the ink tanks and displays a warning message when the ink is low.

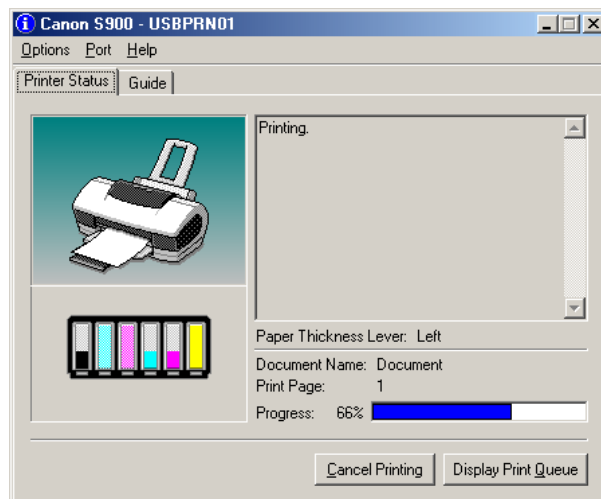
■ Launching the BJ Status Monitor

The BJ Status Monitor launches automatically when data is sent to the printer. When launched, the BJ Status Monitor will appear as an icon on the taskbar.

- 1 Click the **Canon BJ Status Monitor** icon on the taskbar.



The BJ Status Monitor will appear.



Note ➤ To open the BJ Status Monitor when the printer is not printing, click the **Maintenance** tab in the Printer Properties dialog box, then click **Start Status Monitor**.

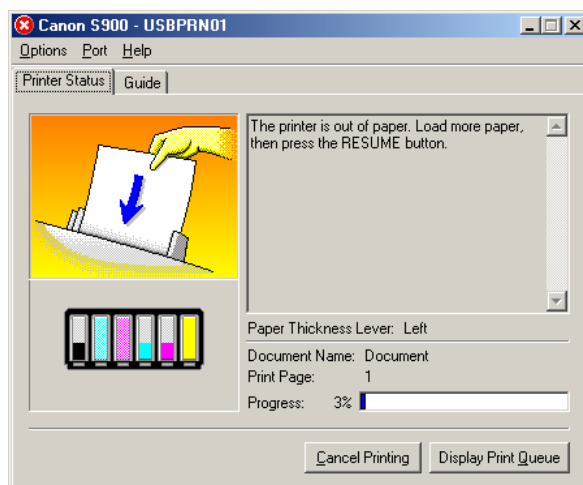
■ When errors occur or ink runs low

The BJ Status Monitor is automatically displayed when an error occurs, such as if the printer runs out of paper or ink is low.

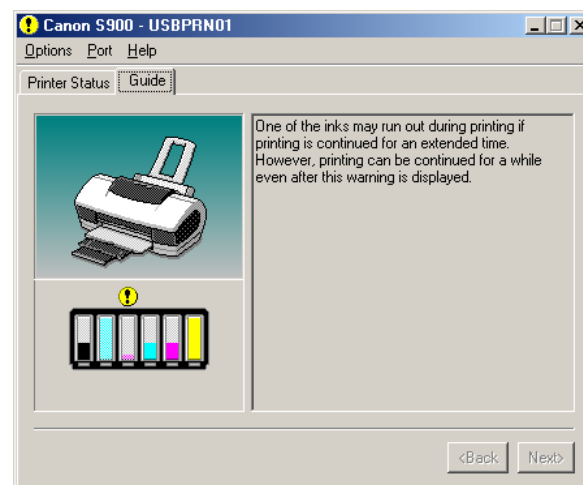
In such cases, take the appropriate action as described in the **Printer Status** tab.

In Windows Me or Windows 98, click **Guide** and follow the instructions on-screen.

When paper has run out:



When the ink level is low:



Note ➤ For details on the BJ Status Monitor, click **Help**, then click the topic of interest.

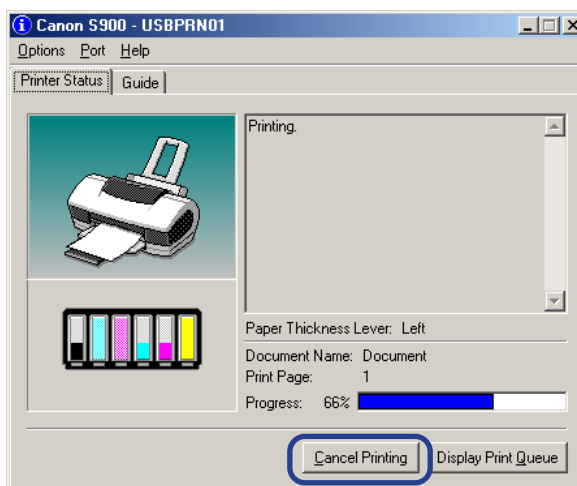
Canceling a Print Job

To cancel the current print job, first open the BJ Status Monitor.

- 1 Click the **Canon BJ Status Monitor** icon on the taskbar.



- 2 Click **Cancel Printing**.



Note ➤ If **Cancel Printing** is grayed out, press the RESUME/CANCEL button on the printer to terminate the print job.

Uninstalling Printer Drivers

Use the Uninstaller to delete the printer driver. The Uninstaller will delete all the files associated with the printer driver.

- 1 Click **Start**, then **Programs**, then **Canon S900**, then **Uninstall**.

Note ➤ For Windows XP, click **Start**, then **All Programs**, then **Canon S900**, then **Uninstall**.

- 2 Click **Yes** when the confirmation message appears.

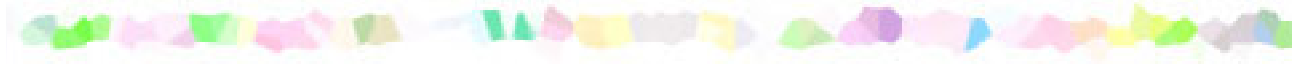
- 3 When all the files have been deleted, click **OK**.

The deletion of the printer driver is complete.

If a message prompts you to restart your computer, click **OK**.

Note ➤ In Windows Me or Windows 98, you can also start the Uninstaller by double-clicking **Uninstall** in the **Canon S900** folder on the desktop.

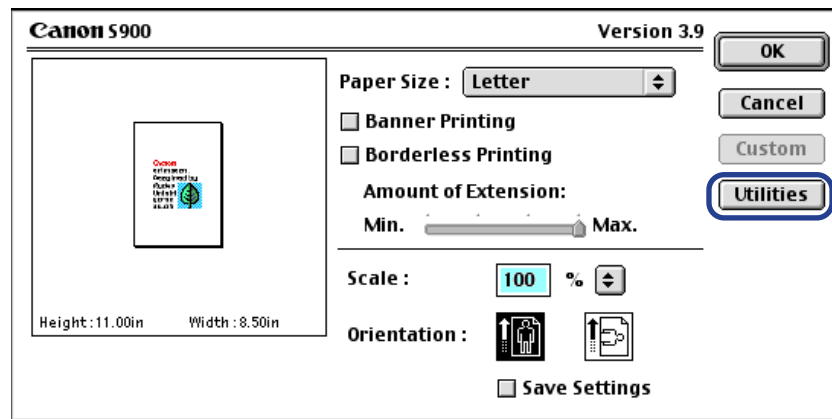
Printer Driver Functions (Macintosh)



- Description of Print Settings
- BJ Print Monitor
- Canceling a Print Job
- Using the Printer with a Network
- Uninstalling Printer Drivers

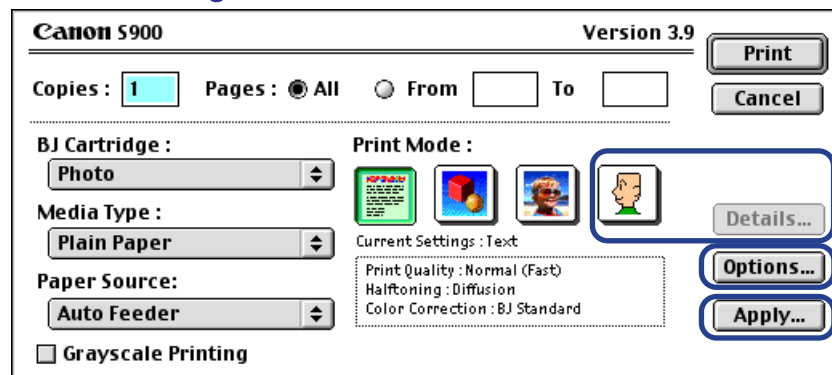
Description of Print Settings

• Page Setup Dialog Box



• Printer Utility Dialog Box

• Print Dialog Box



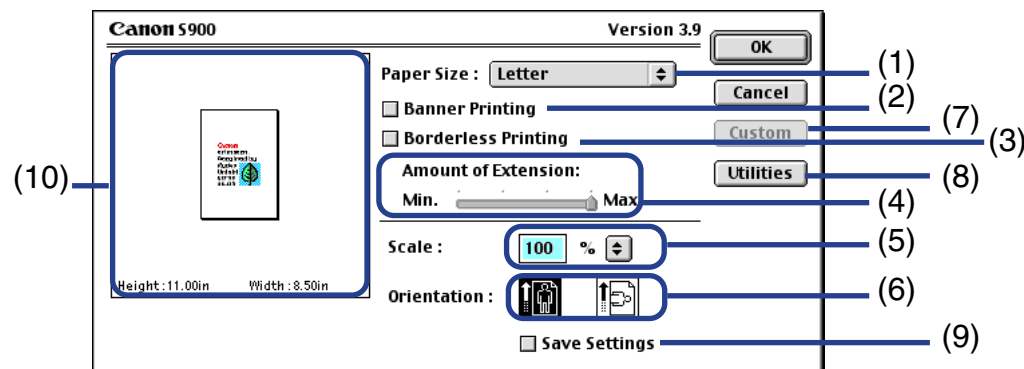
• Detailed Setting Dialog Box

• Options Dialog Box

• Register Settings Dialog Box

Page Setup Dialog Box

The Page Setup dialog box contains settings for the printed page, such as the size of the media used and resizing the image printed. To open the Page Setup dialog box, click **Page Setup** from the **File** menu in your application program.



(1) Paper Size

Select the size of the paper for the print job from the drop-down menu. To enter the size manually, select **Custom 1 - Custom 3**, then click **Custom**.

(2) Banner Printing

Select this check box when printing on banner paper.

(3) Borderless Printing

The image is printed on the entire paper surface, so that no margins are left on the four sides of the paper.

The media types available for Borderless Printing are Photo Paper Pro and Glossy Photo Paper. For all other media types, the print quality may decrease.

(4) **Amount of Extension**

When you select **Borderless Printing**, the sections that extend beyond the paper are not printed because the image is enlarged to a size slightly larger than the paper size. You can use the **Amount of Extension** slider to adjust how much the image extends beyond the paper.

It is recommended that you normally set the slider to the right end. If you move the slider to the left to reduce the extension amount, a border may appear.

(5) **Scale**

Specify the scaling percentage to resize the document for printing.

(6) **Orientation**

Select landscape or portrait printing.

(7) **Custom**

To specify a custom paper size, click **Custom** to open the dialog box after selecting **Custom 1** to **Custom 3** in the **Paper Size** drop-down menu. The **Custom** dialog box lets you specify the length and width of the paper.

(8) **Utilities**

Click to open the **Printer Utility** dialog box for maintenance operations such as printhead cleaning, nozzle check pattern printing and changing the print mode.

(9) **Save Settings**

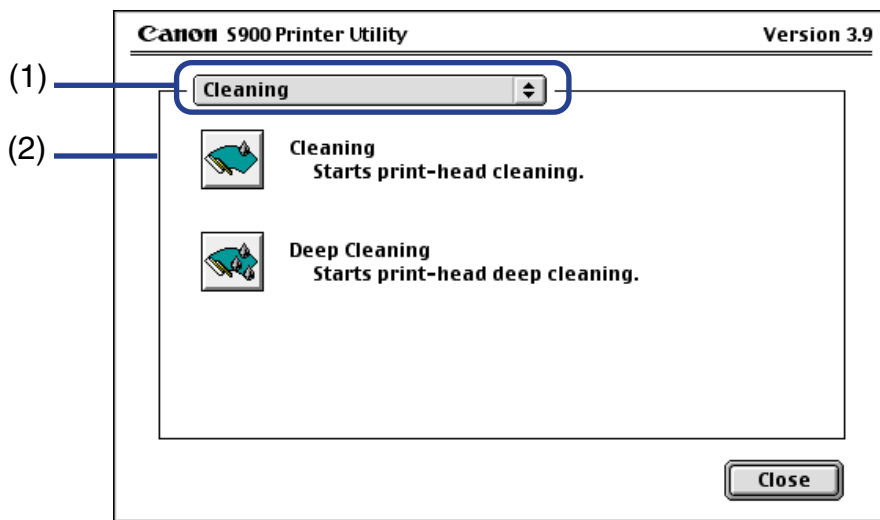
Click to save the settings specified in the **Page Setup** dialog box.

(10) **Preview area**

This image allows you to confirm how the document will print with the selected paper settings.

Printer Utility Dialog Box

The Printer Utility dialog box is displayed when you click **Utilities** in the **Page Setup** dialog box.



- (1) Select the function you want to perform.
- (2) Display area showing the various maintenance functions, including cleaning and test pattern printing. Click the icon to start this function. For further details, refer to "Routine Maintenance".

➡ [Printing the Nozzle Check Pattern](#)

➡ Printhead Cleaning

➡ Printhead Deep Cleaning

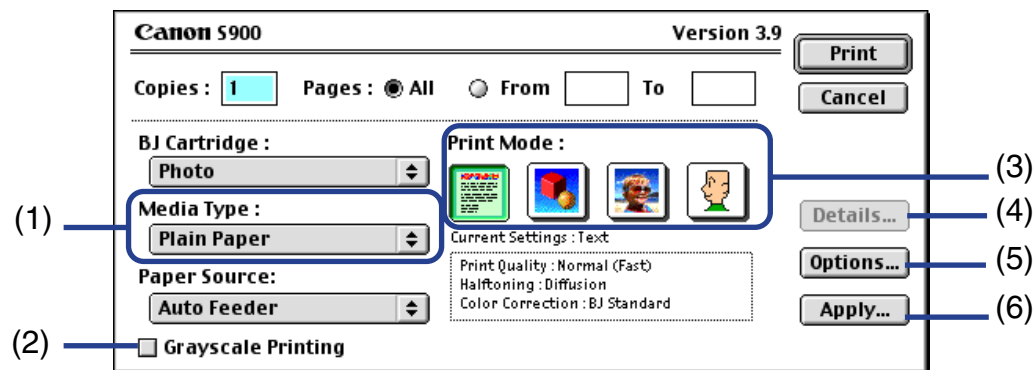
Note



For information about printhead alignment, refer to the printed *Quick Start Guide*.

Print Dialog Box

The Print dialog box specifies the media type and print settings to be used for your print job. To open the Print dialog box, select **Print** from the **File** menu in your application program.

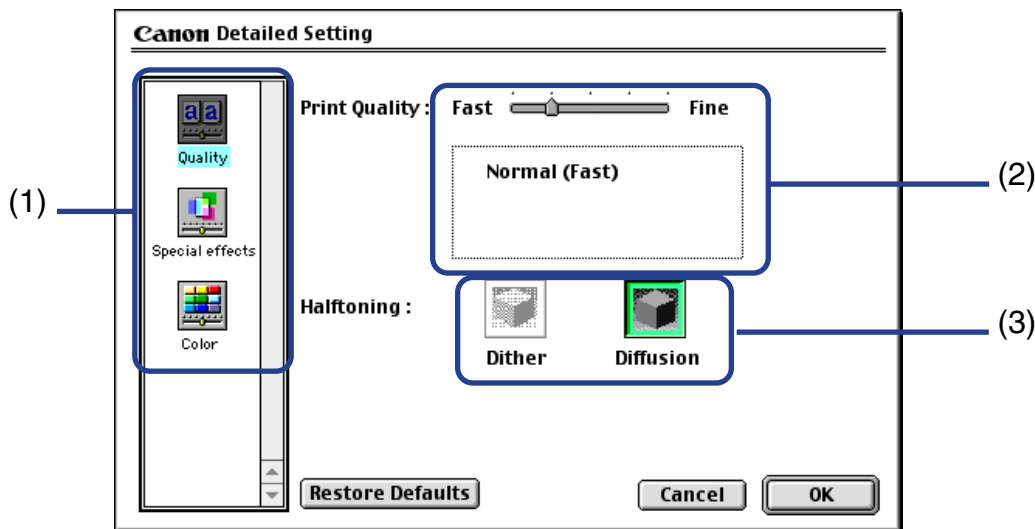


- (1) **Media Type**
Ensure that this setting matches the type of media loaded in the printer.
- (2) **Grayscale Printing**
Select to print a grayscale version of a color document.
- (3) **Print Mode**
Select the icon that best describes your document and print specifications.

- (4) **Details**
Manually set the print quality and color settings in the [Detailed Setting Dialog Box](#).
- (5) **Options**
Specify the output destination, print order and page layout for the document you are printing.
- (6) **Apply**
Register print settings or implement a previously saved print setting.

Detailed Setting Dialog Box

To open the Detailed Setting dialog box, click **Manual**  in the **Print** dialog box, then click **Details**.



(1) Panel display icons

Click these icons to switch between panels in the **Detailed Setting** dialog box.

(2) **Print Quality**

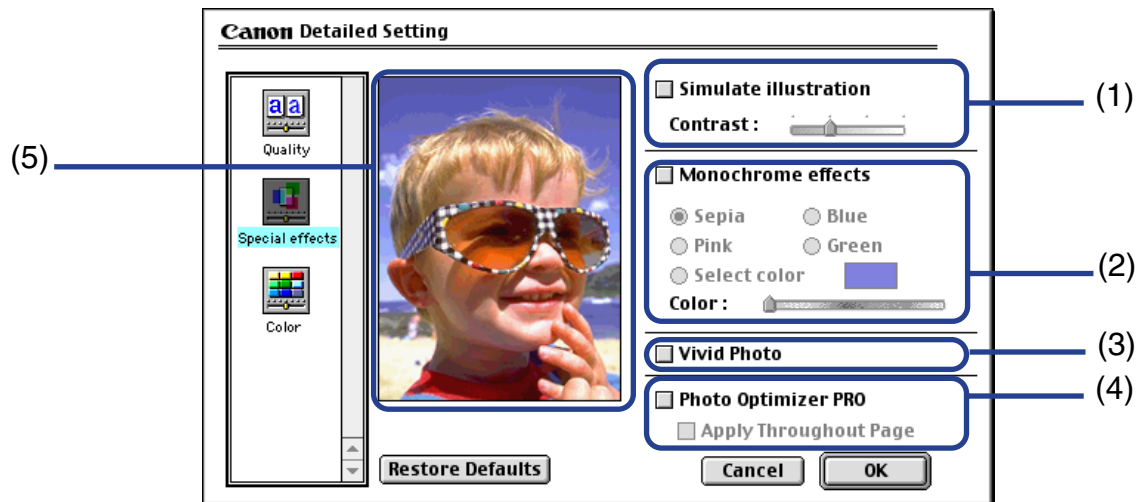
Move the slider to adjust the balance between print quality and speed. Moving the slider to the right enhances print quality, and moving it to the left increases printing speed.

(3) **Halftoning**

Select either **Dither** or **Diffusion** ink dot configurations.

■ Special Effects Panel

To display the Special Effects panel, click the **Special effects** display icon.



(1) **Simulate illustration**

Select the check box to manipulate color image data to produce illustration effects. Adjust the brightness of the image with the **Contrast** slider.

(2) **Monochrome effects**

Prints a color image in a single color. Select the check box, then choose the color you wish to use.

(3) **Vivid Photo**

With this function, you can reproduce breathtaking sceneries in which colors, especially blues and greens, appear even more vibrant. A major feature of this function is its ability to create vivid backgrounds for fields, trees, oceans, and sky, while maintaining the natural skin tones of people who appear in the images.

(4) **Photo Optimizer PRO**

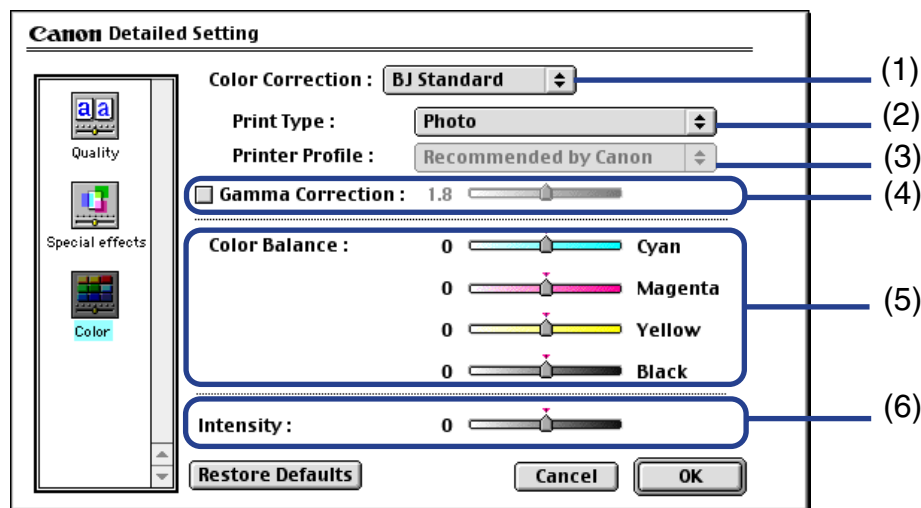
Optimizes the color of images taken from a digital camera or scanner. It is especially effective for images affected by color imbalance and over- or under-exposure. When printing several images on one printing page, optimization is usually applied to each image according to its requirements. However, if the image data has been manipulated using cut-and-paste, rotation or other such operations, group optimization of all images on the page is recommended. In such cases, select the **Apply Throughout Page** check box.

(5) **Preview area**

Preview the results of your manipulated image, before sending the data to the printer.

■ Color Panel

To display the Color panel, click the **Color** display icon.



(1) Color Correction

Select a color correction method: **BJ Standard**, **ColorSync** or **None**. **BJ Standard** is usually the optimum color correction method for printing with a BJ printer. When **ColorSync** is selected, you should also specify the **Print Type** and **Printer Profile** settings.

(2) **Print Type**

For printing that emphasizes intermediate colors, select **Photo**. For printing that emphasizes the brightness of primary colors, select **Graphics**. For documents that contain large amounts of a single color, select **Spot Color**.

(3) **Printer Profile**

Select optimized color characteristics (a profile) for the media type and other factors.

(4) **Gamma Correction**

This function adjusts the color contrast for colors other than black and white. To adjust the contrast, select the check box and move the slider. Moving the slider to the right darkens the entire image while increasing contrast in the lighter areas and decreasing contrast in the darker areas.

(5) **Color Balance**

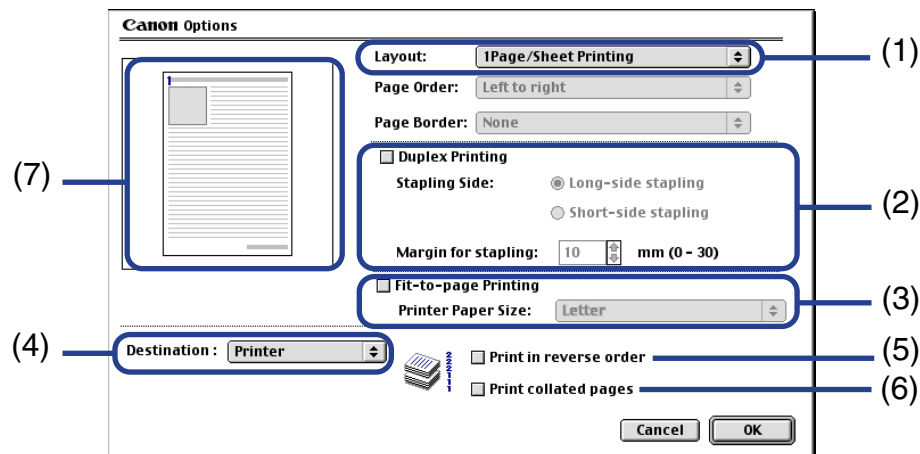
Move the slider for each color to adjust the balance of color intensity. Moving the slider to the right intensifies the color.

(6) **Intensity**

Move the slider to adjust the print intensity. Moving the slider to the right increases the density.

Options Dialog Box

To open the Options dialog box, click **Options** in the **Print** dialog box.



(1) Layout

With this function you can print two or four pages of a single document on one page. You can also enlarge the document so that a single page spans multiple sheets of paper (Poster Printing). If you select **2Page/Sheet Printing** or **4Page/Sheet Printing**, you should also set the **Page Order** to specify the document page order for printing. The **Border** option allows you to select whether to print a border around the individual document pages.

(2) **Duplex Printing**

The document is printed on both sides of the paper. After printing one side, turn the ejected page over and print on the other side.

(3) **Fit-to-page Printing**

The document is automatically resized to fit the paper size. When using this function, ensure that you correctly specify the **Printer Paper Size**.

(4) **Destination**

Select the print output destination. **Printer** is the usual selection.

To check the layout or other image elements before printing, select **Preview**. To save the document as a PICT file, select **PICT File**.

(5) **Print in reverse order**

Prints the document starting with the last page.

(6) **Print collated pages**

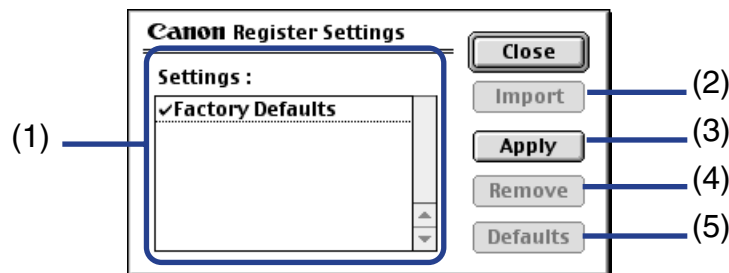
Prints multiple copies of the document one copy at a time.

(7) **Preview area**

Preview the results of the changes made to the document, before sending the data to the printer.

Register Settings Dialog Box

To open the Register Settings dialog box, click **Apply** in the **Print** dialog box.



- (1) **Settings**
Displays a list of the registered print settings.
- (2) **Import**
Imports a group of saved print settings. To use the settings, select the desired settings in the **Settings** list, then click **Import**.
- (3) **Apply**
Saves the settings currently specified in the **Print** dialog box. After clicking the button, enter the name under which the settings are to be saved.
- (4) **Remove**
Deletes unwanted print settings. To delete unwanted settings, select the settings in **Settings**, then click **Remove**.
- (5) **Defaults**
Restores the print settings selected in **Settings** to defaults. A check mark will appear next to the selected print settings.

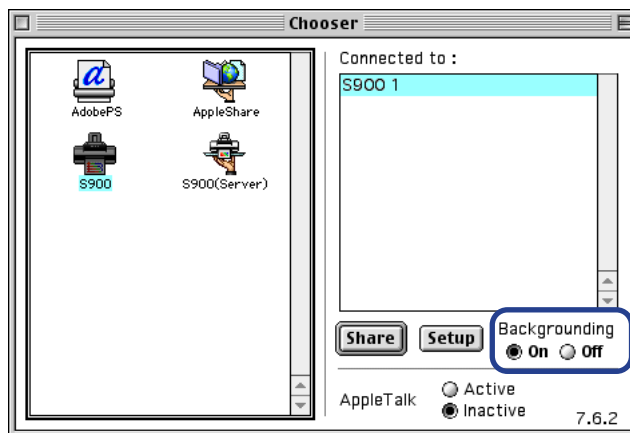
BJ Print Monitor

The BJ Print Monitor displays the progress of print jobs. You can launch the BJ Print Monitor if background printing is enabled in the **Chooser**.

■ Opening the BJ Print Monitor

1 Select **Chooser** from the Apple menu.

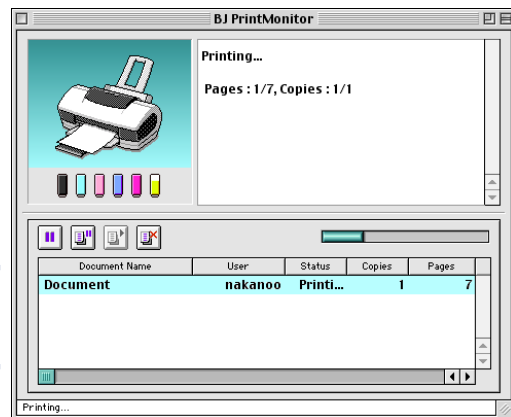
2 Set **Backgrounding** to **On**.



3 After starting a print job, select **BJ Print Monitor** in the application menu.

The BJ Print Monitor launches.

■ BJ Print Monitor Functions



... Click to pause printing of the specified document.



... Click to resume printing.



... Click to cancel printing of the specified document.

Displays the printer status. If an error occurs, instructions on what to do are displayed.

Displays the printer status and ink status with images.

Displays information about the documents queued for printing.


The BJ Print Monitor allows you to change the print order of documents queued for printing. To change the print order, place the mouse pointer over the name of the document, press and hold the mouse button while dragging the document name to the new position, then release. You cannot change the print order of a document already printing.

Note ➤ If you select **Print** from the **File** menu, you can print the PICT file saved in **Destination** in the **Option** dialog box.



Canceling a Print Job

When the BJ Print Monitor is running, you can use it to cancel or suspend the current print job.

1 Select **BJ Print Monitor** in the application menu.

2 Click the name of the print job you want to cancel, then click .

The document selected in the Print Monitor is deleted from the print list and the print job is canceled.

Note ➤ To suspend printing, click the name of the document being printed then click . To resume printing, click .

Using the Printer with a Network

The printer can be used with an Ethernet network environment.
Follow the steps described below to connect the printer to the network.

■ Before Setting up the Printer

- Install the printer driver on each network computer that will use the printer.
For information on installation, refer to the printed *Quick Start Guide*.
- Use a USB cable to connect the printer to the computer that will function as the print server.

■ Printer Setup

To use the printer on a network, first set up the print server, then set up each client machine.

- Print server setup procedure

1 Select **Chooser** from the Apple menu.

2 Select **Active** in **AppleTalk**.

3 Select the **S900** icon, then select the printer name in **Connected to**.

- 4 Click **Share**.
- 5 Confirm that **S900 server** is selected in **Enter new print server name**, then click **Send**.
- 6 Confirm that the new print server name has been added to **Current print servers**, then click **Close**.
- 7 Click the close box to close the Chooser.

- Client setup procedure

- 1 Select **Chooser** from the Apple menu.
- 2 Select **Active** in **AppleTalk**.
- 3 Select the **S900 (Server)** icon, then select the printer server in **Connected to**.
- 4 Click the close box to close the Chooser.

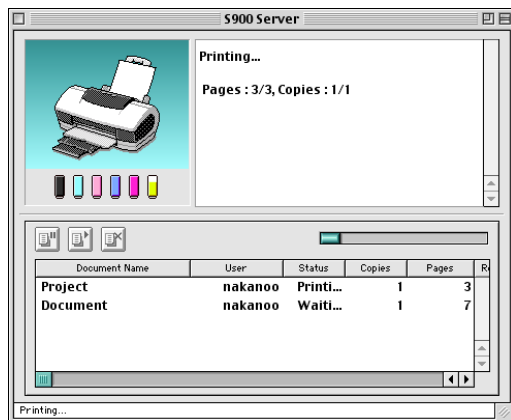
■ Checking Print Status

- Checking print status from the print server
To check the status of a print job from the print server, start the BJ Print Monitor by selecting **BJ Print Monitor** in the application menu.
To close the BJ Print Monitor, select **Close Status Window** from the **File** menu.
- Checking print status from a client
To check the status of a print job from a client, start the BJ Status Monitor by clicking the **BJ Status Monitor** icon in the **BJ Extras** folder.
To close the BJ Status Monitor, select **Quit** from the **File** menu.
- The BJ Print Monitor and BJ Status Monitor
The BJ Print Monitor and the BJ Status Monitor both display a list of information concerning documents queued for printing. This information includes the document name, number of pages, number of copies and the time when the print job was accepted. The total number of queued documents is also displayed.
The BJ Print Monitor allows you to change the print order of the queued documents.

➡ BJ Print Monitor Functions

➡ BJ Status Monitor Functions

■ BJ Status Monitor Functions



.... Click to pause printing of the specified document.



.... Click to resume printing.



.... Click to cancel printing of the specified document.

- Note** ▶
- You can determine the owner of a computer by selecting the **File Sharing** control panel and checking the **Owner Name** item.
 - If you are using two or more printer servers, you can switch between the BJ Status Monitor displays. Select **Print Server** in the **File** menu, then select the desired print server and click **OK**.

Uninstalling Printer Drivers

When a printer driver is no longer needed, use the Installer to delete all the program files associated with it at the same time.

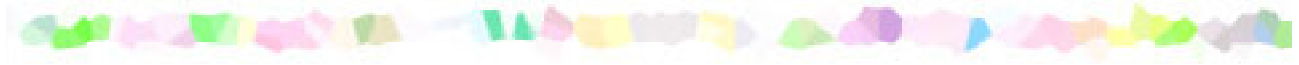
Before proceeding, ensure that you save any unsaved files in any currently running applications.

- 1 Load the *Setup Software & User's Guide CD-ROM*.
- 2 Double-click the **Printer Driver** folder.
- 3 Double-click the **Installer** icon.
- 4 When the Software License Agreement is displayed, click **Accept**.
- 5 Select **Uninstall** from the drop-down menu, then click **Uninstall**.

Note

- If a warning message appears indicating that other applications are running:
 - Click **Cancel** and save the document(s) if there are any unsaved documents open in other applications.
 - Click **Continue** to continue the uninstall operation.
- 6 After the uninstall is complete, a message will appear prompting you to restart your computer. Click **Restart**.

Routine Maintenance



- When to Replace Ink Tank and Maintain Printhead
- Replacing an Ink Tank
- Printing the Nozzle Check Pattern
- Printhead Cleaning
- Printhead Deep Cleaning
- Cleaning the Printer
- Transporting the Printer

When to Replace Ink Tank and Maintain Printhead

When an ink tank is empty, it must be replaced.

The BJ Status Monitor (Windows) or the BJ Print Monitor (Macintosh) will initially advise you of a low ink level. At this stage, you can still continue to print.

Once an ink tank is empty, the BJ Status Monitor (Windows) or the BJ Print Monitor (Macintosh) will tell you to replace the ink tank. Attempting to print causes the POWER lamp to flash four times.

➡ Replacing an Ink Tank

If printing becomes faint or a specific color is no longer printing, even though there is still enough ink, the printhead nozzles are probably clogged. Follow the procedures below to clean the nozzles.

➡ Printing the Nozzle Check Pattern

↓ If the print quality is poor

➡ Printhead Cleaning

↓ If the problem remains

➡ Printhead Deep Cleaning

If printhead deep cleaning does not resolve the problem, the printhead may be worn out. Contact the Customer Care Center.

Replacing an Ink Tank

When replacing an ink tank, check the model number very carefully. The printer will not print properly if the wrong ink tank is used, or has been installed in the incorrect position.

With this printer, ink tanks must be installed from the right in the order indicated below.

- Yellow: BCI-6Y
- Magenta: BCI-6M
- Cyan: BCI-6C
- Photo Magenta: BCI-6PM Photo
- Photo Cyan: BCI-6PC Photo
- Black: BCI-6BK

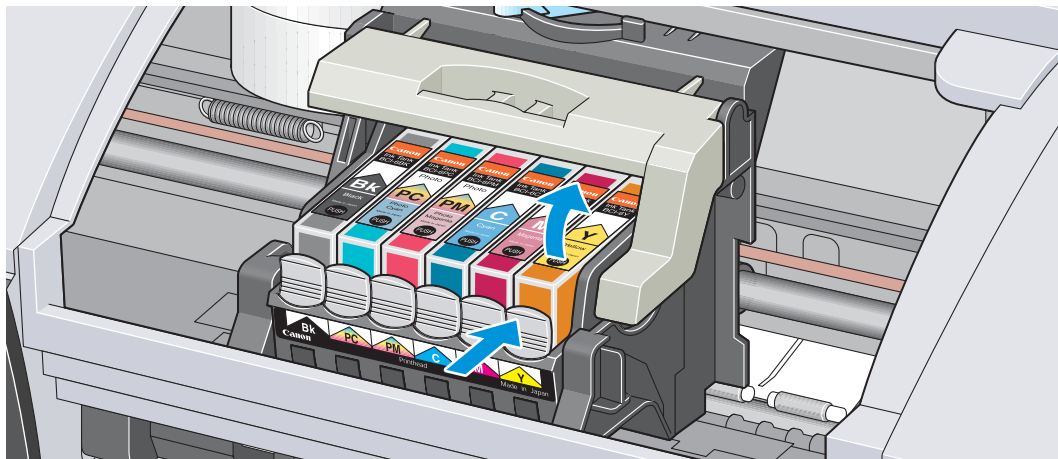
Note ➤ Damage caused by using a refilled cartridge is not covered by the Canon warranty. Canon recommends using only original Canon ink tanks to ensure the best quality.

1 Ensure that the printer is on, then open the front cover.

The printhead holder moves to the center.

2 Remove the empty ink tank.

Push the tab and remove the ink tank.

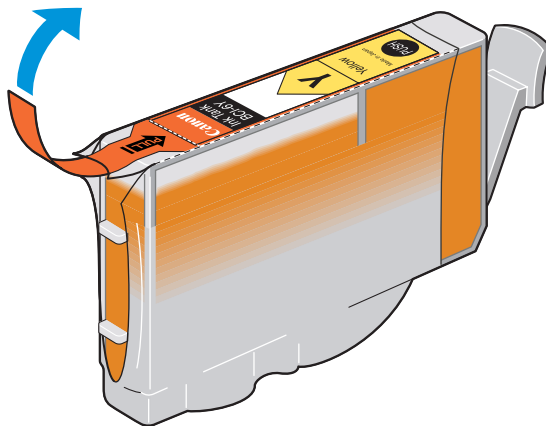


Do not touch the lock lever; remove only the ink tank.

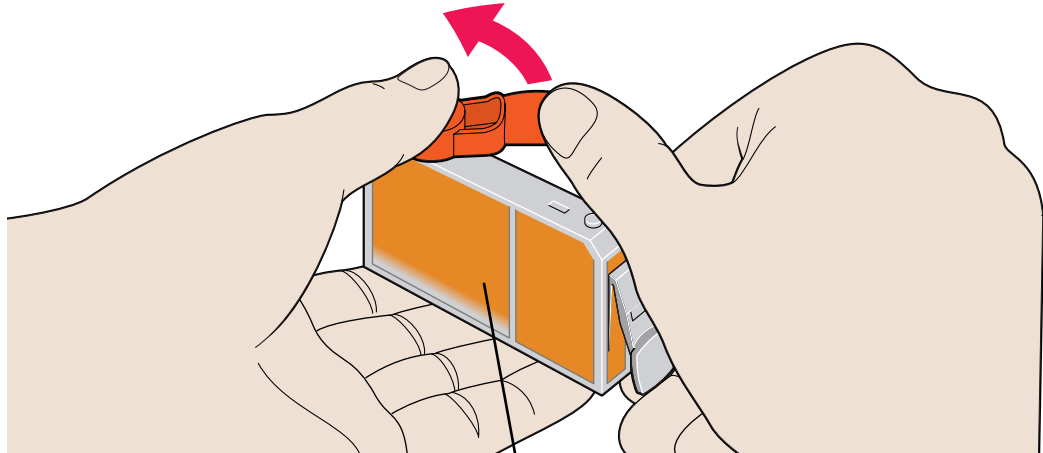
Important ►

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

- 3 Unpack the new ink tank and remove the orange tape, then discard the plastic wrapper.



- 4 Remove the orange protective cap from the bottom of the ink tank.



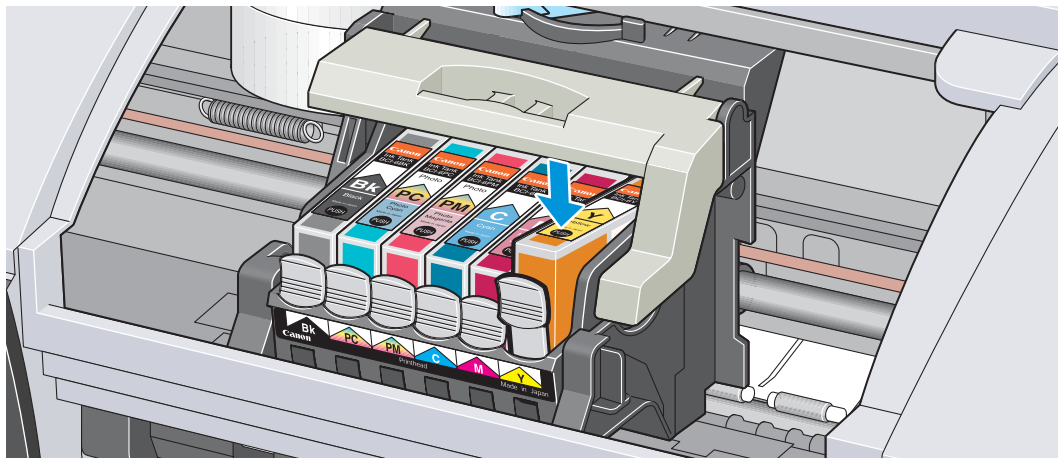
Never press here!
Ink may squirt out of the tank.

Important ►

- Do not re-attach the protective cap once you have removed it.
- Once you have removed the protective cap, do not touch the open ink port.

- 5 Insert the ink tank in the printhead holder.

Press on the "PUSH" mark until the ink tank snaps firmly into place.



- 6 Close the front cover.

The printhead holder moves to the right. The ink tank installation process is now complete.

Note

- To maintain optimal print quality, use an ink tank within six months of first use.
- Once an ink tank has been used, do not remove it from the printer and leave it out in the open. An ink tank left out in the open then reinstalled in the printer may not function.

Printing the Nozzle Check Pattern

Print the nozzle check pattern to determine whether the ink sprays normally from the printhead nozzles, and to verify printhead alignment. Use this function when printed results are blurred or the color is incorrect.

Nozzle check pattern printing can be executed from the Windows and Macintosh printer drivers, or from the printer itself.

■ Printing the Nozzle Check Pattern from the Printer Drivers

Windows

- 1 With the printer on, load a sheet of letter-size or A4 paper in the printer.
- 2 Open the Printer Properties dialog box.
 - ➡ [Opening the Printer Properties Dialog Box](#)
- 3 Click the **Maintenance** tab, then click the **Nozzle Check** icon.
- 4 When the confirmation message is displayed, click **OK**.
 - ➡ [Examining the Nozzle Check Pattern](#)

Macintosh

- 1 With the printer on, load a sheet of letter-size or A4 paper in the printer.
- 2 Open the **Page Setup** dialog box.

The **Page Setup** dialog box can normally be opened by selecting **Page Setup** in the **File** menu.
- 3 Click **Utilities** to open the **Printer Utilities** dialog box.
- 4 Select **Test Print** from the drop-down menu, then click the **Nozzle Check** icon.
- 5 When the confirmation message is displayed, click **OK**.

➡ [Examining the Nozzle Check Pattern](#)

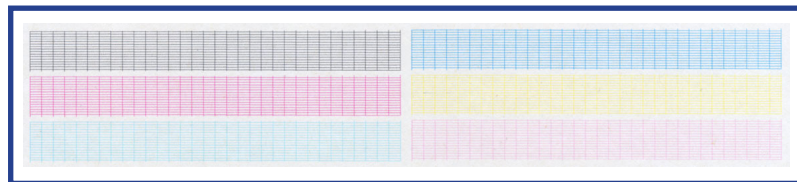
■ Printing the Nozzle Check Pattern through the Printer

- 1 With the printer on, load a sheet of letter-size or A4 paper in the printer.
- 2 Hold the RESUME/CANCEL button down until the POWER lamp flashes twice.

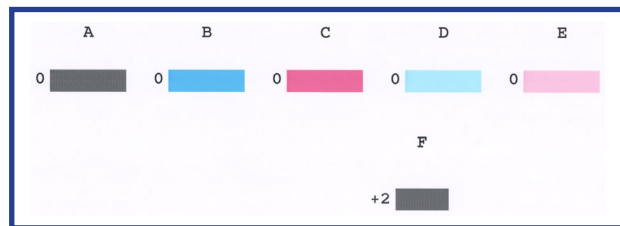
➡ Examining the Nozzle Check Pattern

■ Examining the Nozzle Check Pattern

The nozzle check pattern should appear as follows when ink is discharged properly. Examine the nozzle check pattern output by the printer.



Lines missing here indicate the printhead requires cleaning.



Unevenness in these patterns indicates the printhead requires alignment.

Printhead Cleaning

Clean the printhead if you suspect that the nozzles might be clogged. Printhead cleaning can be performed either from the printer drivers or from the printer itself.

Note ➤ Cleaning the printhead consumes ink, so perform printhead cleaning only when necessary.

■ Cleaning the Printhead from the Printer Drivers

Windows

- 1 Ensure that the printer is on.
- 2 Open the Printer Properties Dialog Box.
 - ➡ [Opening the Printer Properties Dialog Box](#)
- 3 Click the **Maintenance** tab, then click the **Cleaning** icon.
- 4 When the confirmation message is displayed, click **OK**.

Macintosh

- 1 Ensure that the printer is on.
- 2 Open the **Page Setup** dialog box.

The **Page Setup** dialog box can normally be opened by selecting **Page Setup** in the **File** menu.
- 3 Click **Utilities** to open the **Printer Utility** dialog box.
- 4 Select **Cleaning** from the drop-down menu, then click the **Cleaning** icon.
- 5 When the confirmation message appears, click **OK**.

Note ➤ If the problem remains even after you repeat printhead cleaning three times, perform a deep printhead cleaning.

■ Cleaning the Printhead from the Printer

- 1 Ensure that the printer is on.
- 2 Hold down the RESUME/CANCEL button until the POWER lamp flashes once.

Now the POWER lamp starts flashing and printhead cleaning begins. Do not perform any other operations until the printhead cleaning is finished.

After printhead cleaning finishes, print the nozzle check pattern to verify that the printhead is clean. If not, repeat printhead cleaning. If the printhead is still not clean after the third cleaning, perform printhead deep cleaning.

➡ [Printing the Nozzle Check Pattern](#)

➡ [Printhead Deep Cleaning](#)

Printhead Deep Cleaning

If print quality does not improve by standard printhead cleaning, try deep cleaning, which is a more powerful process. Perform printhead deep cleaning from the printer driver.

Note ➤ Printhead deep cleaning consumes more ink than standard printhead cleaning, so perform this procedure only when necessary.

Windows

- 1 Ensure that the printer is on.
- 2 Open the **Printer Properties** dialog box.
➡ [Opening the Printer Properties Dialog Box](#)
- 3 Click the **Maintenance** tab, then click the **Deep Cleaning** icon.
- 4 When the confirmation message is displayed, click **OK**.

Macintosh

- 1 Ensure that the printer is on.
- 2 Open the **Page Setup** dialog box.

The **Page Setup** dialog box can normally be opened by selecting **Page Setup** in the **File** menu.
- 3 Click **Utilities** to open the **Printer Utility** dialog box.
- 4 Select **Cleaning** from the drop-down menu, then click the **Deep Cleaning** icon.
- 5 Click **OK**.

Now the POWER lamp starts flashing and printhead deep cleaning begins. The process takes one or two minutes to complete, so simply wait until the POWER lamp stops flashing.

After printhead deep cleaning is finished, print the nozzle check pattern to verify that the printhead is clean. If the printhead is still not clean, repeat printhead deep cleaning and the nozzle check pattern printing up to three times. If the problem persists, the printhead may be worn out. Contact the Customer Care Center.

 [Printing the Nozzle Check Pattern](#)

Cleaning the Printer

During normal printing, ink and small scraps of paper accumulate in the printer. When the accumulated debris becomes clearly visible, clean the printer by the following procedure.

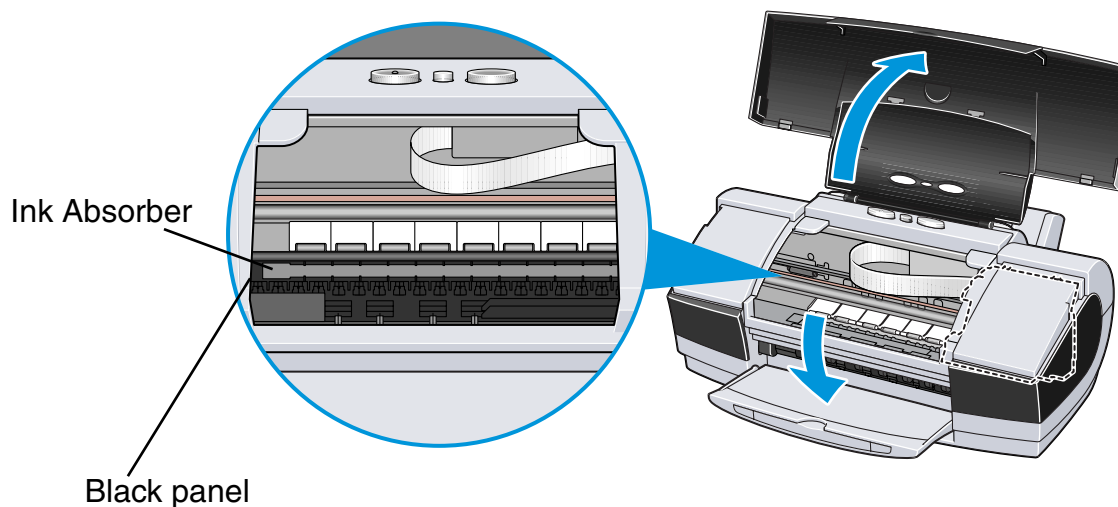
- 1 Turn the printer off.
- 2 Ensure that the POWER lamp is off and unplug the printer.

Caution ➤ Always ensure that you unplug the printer before cleaning the printer to avoid an electric shock.

- 3 Open the front cover and wipe the interior of the printer with a dry cloth.

Wipe away any stray drops of ink, scraps of paper, and dust. Pay special attention to cleaning the black panel that can easily become dirty. Do not touch any of the printer's internal components, such as the ink absorber.

Warning ➤ Do not use any flammable solvents such as paint thinner, benzene or alcohol.



Transporting the Printer

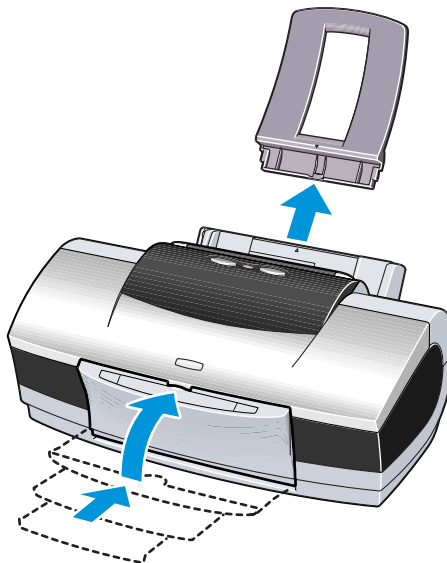
Pack the printer carefully in its original packing materials.

If you do not have the original packing materials, pack the printer carefully and thoroughly in protective material and place inside a sturdy box.

- 1 Turn the printer off.
- 2 After making sure that the POWER lamp is off, unplug the printer.

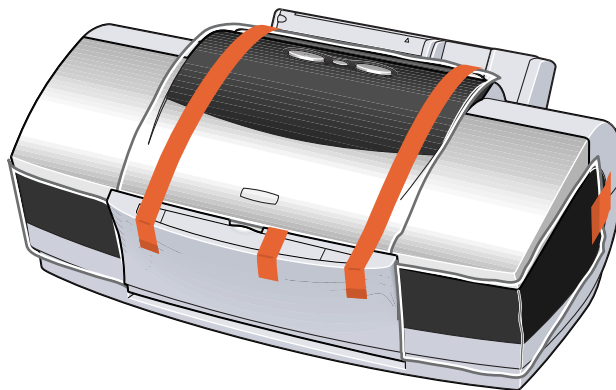
Important ► To protect the printer from damage, do not unplug the printer while the POWER lamp is lit or flashing.

- 3 Remove the paper rest and push in the paper output tray.



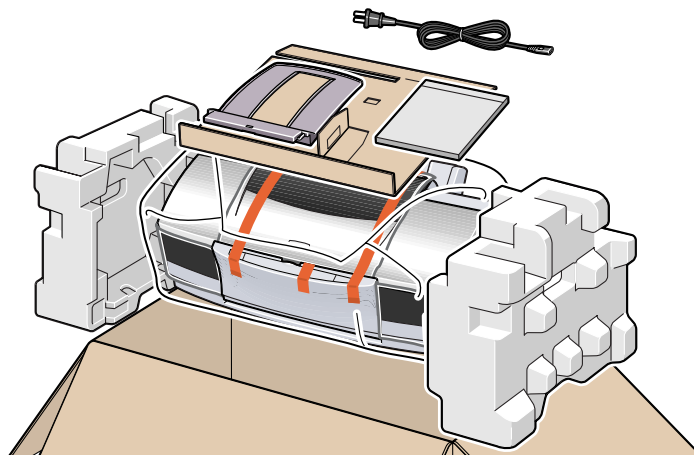
- 4 Disconnect the printer cable from the computer, then disconnect the power cord from the printer.

- 5 Secure the printer with adhesive tape as shown, then pack it in a plastic bag.



- 6 Attach protective material to both sides of the printer when packing the printer.

Clearly label the box as "Fragile" if using a transport company.



Printing Media



- Compatible Media Types
- Envelopes
- High Resolution Paper
- Glossy Photo Paper
- High Gloss Photo Film
- Glossy Photo Cards
- Photo Paper Pro
- Photo Paper Pro 4 x 6 (Perforated)
- Transparencies
- T-Shirt Transfers
- Banner Paper

Compatible Media Types

You can use the following types of paper and other media.

■ Size

- Standard paper: From A5 size (5.83 x 8.27 in. / 148.0 x 210.0 mm) to legal size (8.5 x 14.0 in. / 215.9 x 355.6 mm)
- Non-standard paper: From 3.54 x 4.72 in. to 8.5 x 23.0 in.
(From 90.0 x 120.0 mm to 215.9 x 584.2 mm)
- Others: Envelopes (US Com. #10 and European DL)

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

- Folded, curled or wrinkled paper
- Wet paper
- Paper that is too thin (less than 17 lb.)
- Paper that is too thick* (more than 28 lb.)
- Picture postcards
- Postcards with an adhered photo or sticker
- Envelopes with a double flap
- Sealed envelopes
- Envelopes with an embossed or treated surface
- Paper with holes (such as loose-leaf paper)

* non-Canon branded paper

■ Weight

17 to 28 lb.

Do not use paper heavier than this (except for supported Canon-brand media), as it could jam in the printer.

■ Types

The following types of media can be used.

For more information about the media and the printing methods, refer to the specific sections.

Plain paper: Refer to the printed *Quick Start Guide*.

- ➡ Envelopes
- ➡ High Resolution Paper
- ➡ Glossy Photo Paper
- ➡ High Gloss Photo Film
- ➡ Glossy Photo Cards
- ➡ Photo Paper Pro
- ➡ Photo Paper Pro 4 x 6 (Perforated)
- ➡ Transparencies
- ➡ T-Shirt Transfers
- ➡ Banner Paper

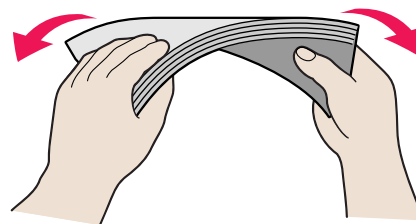
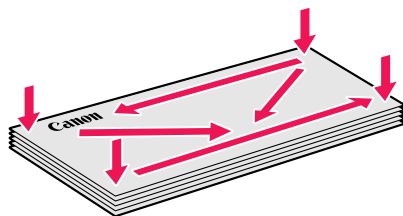
Envelopes

Use either US Com. #10 or European DL size envelopes.

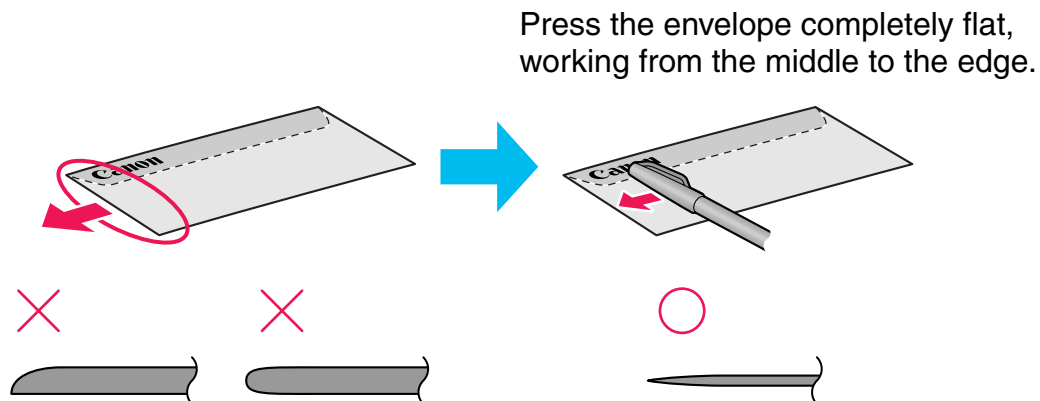
■ Preparation for Printing

- 1 Press down on all four corners and edges of the envelopes to flatten them as shown below.
- 2 If the envelopes are curled, hold the opposite corners and gently bend them in the opposite direction.

Ensure that the flap of the envelope is perfectly straight.



- 3 If the leading edge of an envelope is puffed up or curled, use a pen to press the envelope flat and sharpen the crease.



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

The envelopes may jam in the printer if they are not completely flat and the edges are not aligned.

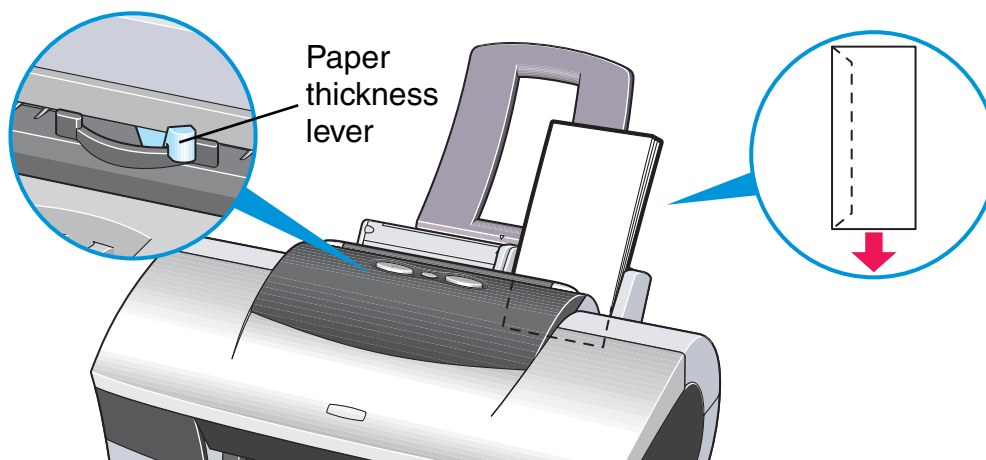
Ensure that no curl or puff exceeds 0.2 in.

■ Unsuitable Envelopes

- Envelopes with an embossed or treated surface
- Envelopes with a double flap or pressure seals

■ Loading

- Place envelopes lengthwise with the flap to the left and the address side facing upwards.
- Set the paper thickness lever to the right.
- Up to 10 envelopes can be loaded at once.



- Note** ➤ If the envelopes still do not feed properly even after removing curl, clean the paper feed roller.
- 1 Ensure that the printer is turned on. If any paper is loaded in the printer, remove the paper.
 - 2 Hold down the RESUME/CANCEL button. When the POWER lamp flashes three times, release the RESUME/CANCEL button.

The paper roller will rotate ten times as it cleans.
Repeat this operation three times.

- 3 Load a sheet of letter-size or A4 paper in the printer.
- 4 Hold down the RESUME/CANCEL button. When the POWER lamp flashes three times, release the RESUME/CANCEL button.
The paper that is loaded in the printer will feed through the printer and be ejected.
Repeat this operation three times.

If the printer still will not feed envelopes through even after cleaning the paper feed roller, perform the procedure described in step 4 again.

■ Printer Driver Settings

- **Media Type:** Envelope
- **Page Size:** Select either **#10 Env.** or **DL Env.** according to the envelope size you are using.
- **Orientation:** Landscape

■ Handling of Printed Output

Remove each envelope as it is printed.

■ Printable Area

➡ Printing Area

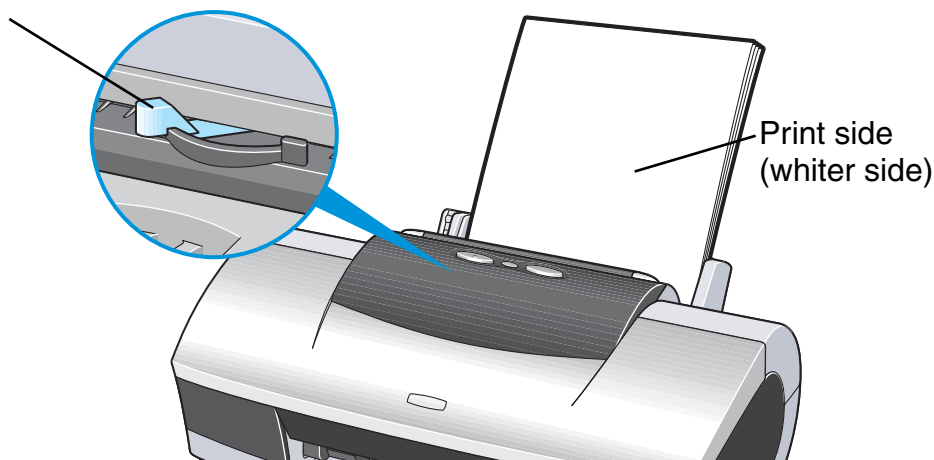
High Resolution Paper

This type of paper provides better color reproduction than plain paper. It is suitable for printing business documents that feature graphics, and for photographs.

■ Loading

- Load the paper with the whiter side facing up.
- Set the paper thickness lever to the left.
- Do not load paper higher than the limit mark. A maximum of 80 sheets can be loaded.

Paper thickness lever



■ Printer Driver Settings

- **Media Type:** High Resolution Paper
- **Page Size:** Ensure that the setting matches the size set in the application.

■ Handling of Printed Output

Do not stack more than 50 sheets in the paper output tray. If the output paper is curled, it may prevent the next sheet being ejected. In this case, or if the ink takes a long time to dry, remove each sheet as soon as it is printed.

■ Printable Area

With some images the trailing edge of the image may be blurred if printing extends outside of the printable area. Canon recommends that you print within the printing area.

➡ [Printing Area](#)

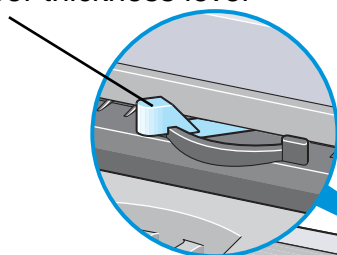
Glossy Photo Paper

This media is thicker than High Resolution Paper with a glossy printing surface to produce printouts close to photograph quality.

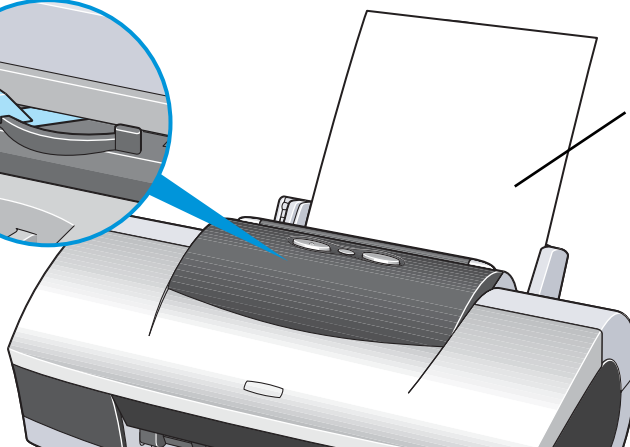
■ Loading

- Load only one sheet at a time.
- Load the paper with the whiter side facing up.
- Set the paper thickness lever to the left.
- Do not use the loading support sheet provided with the package.

Paper thickness lever



Print side
(whiter side)



■ Printer Driver Settings

- **Media Type:** Glossy Photo Paper
- **Page Size:** Ensure that the setting matches the size set in the application.

■ Handling of Printed Output

- Remove each sheet as soon as it is printed.
- Do not touch the printed surface until the ink is fixed (approx. two minutes).

■ Printable Area

With some images the trailing edge of the image may be blurred if printing extends outside the printable area. Canon recommends that you print within the printing area.



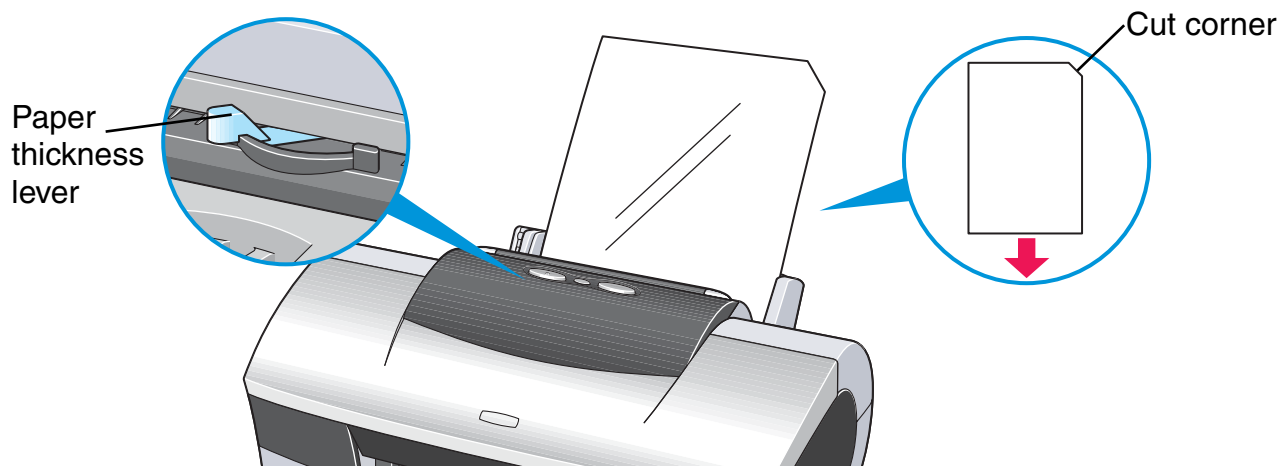
Note ➤ For photos and illustrations that you want to print with Borderless Printing, create the data by using the same size as the paper size, and paste the data so that it fills the editing screen without leaving any margins. If you are using an application that allows you to set margins, set the left, right, top, and bottom margins to 0 in. For instructions on setting margins, refer to the user's manual for your application.

High Gloss Photo Film

This film has an extremely glossy surface, ideal for printing photographs with outstanding results.

■ Loading

- Load only one sheet at a time.
- Load the film with the cut corner at the upper right.
- If the film is curled, flatten it by curling in the opposite direction.
- Set the paper thickness lever to the left.



■ Printer Driver Settings

- **Media Type:** High Gloss Photo Film
- **Page Size:** Ensure that the setting matches the size set in the application.

■ Handling of Printed Output

- Remove each sheet as soon as it is printed.
- Do not touch the printed surface until the ink dries.

■ Printable Area

With some images the trailing edge of the image may be blurred if printing extends outside the printable area. Canon recommends that you print within the printing area.

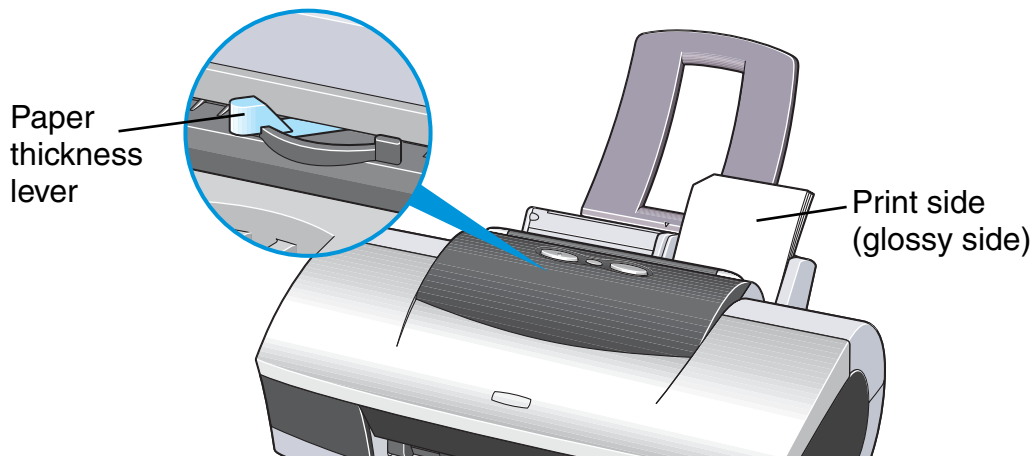


Glossy Photo Cards

This photo-size paper is intended for printing images that cover the entire surface of the card, without a white border. When printing, use the original application software ZoomBrowser EX/PhotoRecord (for Windows) or ImageBrowser (for Macintosh).

■ Loading

- Load the paper with the glossy side facing up.
- Set the paper thickness lever to the left.
- A maximum of 20 sheets can be loaded at once.
- Do not use the loading support sheet provided with the package.



■ Handling of Printed Output

- Do not stack more than 20 sheets in the paper output tray.
- Do not touch the printed surface until the ink dries (approx. two minutes).

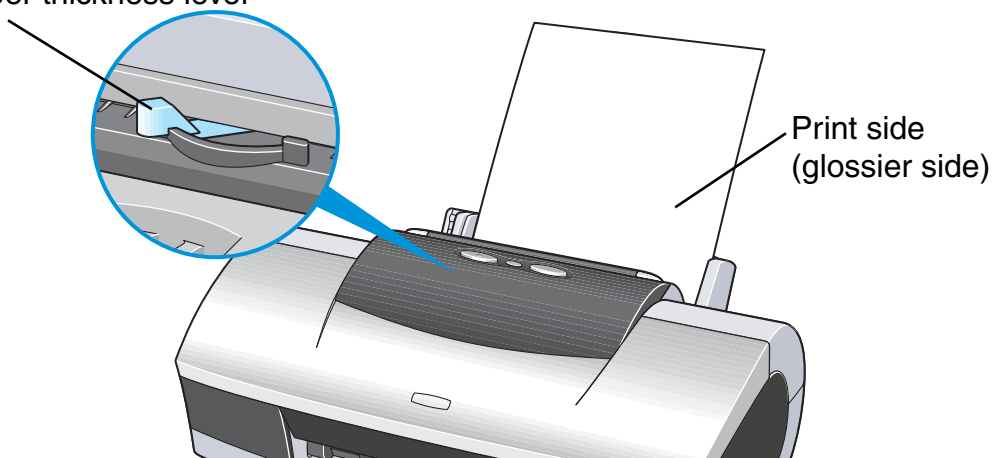
Photo Paper Pro

This is thick paper with a treated surface that enhances gloss and provides superior color reproduction. It is ideal for printing high quality photographs. This media is available in letter, A4 and 4" x 6" sizes.

■ Loading

- Load only one sheet of letter-size or A4, or up to 20 sheets of 4" x 6" paper at a time.
- Load the paper with the glossier side facing up.
- Set the paper thickness lever to the left.

Paper thickness lever



■ Printer Driver Settings

- **Media Type:** Photo Paper Pro
- **Page Size:** Ensure that the setting matches the size set in the application.

■ Handling of Printed Output

- Remove each sheet as soon as it is printed.
- Do not stack more than 20 sheets of 4" x 6" size paper in the output tray.
- Do not touch the printed surface until the ink is fixed (approx. 30 minutes).
Colors in dark images may appear indistinct at first, but become clearer after about 30 minutes.
- Images may smudge if you place them in an album before the ink is completely dry. It is recommended that you allow the ink to dry for 24 hours.
- Do not attempt to dry the ink with a hairdryer or by exposing printed sheets to direct sunlight.

■ Storing Printed Output

- Do not store or display printouts in hot, damp or humid conditions.
Never expose them to heat or direct sunlight.
- Store printouts in photo albums, photo frames or presentation binders to protect them from direct exposure to air or sunlight.
- Do not mount printouts in an adhesive-type album, as you may not be able to remove them.

- Be aware that some types of clear plastic folders and albums may cause the edges of the paper to turn yellow.

■ Printable Area

With some images, the trailing edge of the image may be blurred if printing extends outside the printable area. Canon recommends that you print within the printing area.

➡ Printing Area

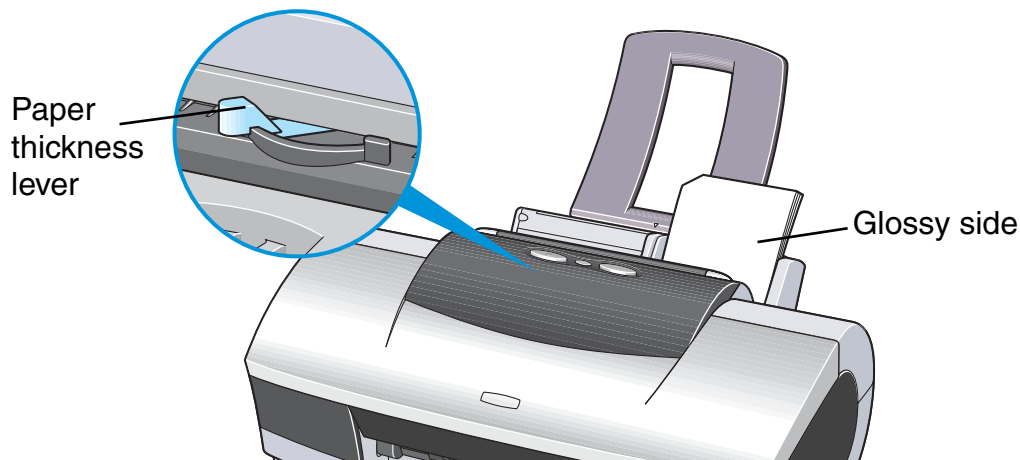
Note ➤ For photos and illustrations that you want to print with Borderless Printing, create the data by using the same size as the paper size, and paste the data so that it fills the editing screen without leaving any margins. If you are using an application that allows you to set margins, set the left, right, top, and bottom margins to 0 in. For instructions on setting margins, refer to the user's manual for your application.

Photo Paper Pro 4 x 6 (Perforated)

Made of the same material as Photo Paper Pro, this photo-size paper is intended for printing images that cover the entire surface of the card, without a white border. When printing, use the original application software, ZoomBrowser EX/PhotoRecord (for Windows) or ImageBrowser (for Macintosh).

■ Loading

- Load the paper with the glossy side facing up.
- Set the paper thickness lever to the left.
- A maximum of 20 sheets can be loaded at once.



■ Handling of Printed Output

- Do not stack more than 20 sheets in the paper output tray.
- Do not touch the printed surface until the ink is fixed (approx. 30 minutes).
Colors in dark images may appear indistinct at first, but become clearer after about 30 minutes.
- Images may smudge if you place them in an album before the ink is completely dry. It is recommended that you allow the ink to dry for 24 hours.
- Do not attempt to dry the ink with a hairdryer or by exposing printed sheets to direct sunlight.

■ Storing Printed Output

Follow the instructions described in "[Photo Paper Pro](#)".

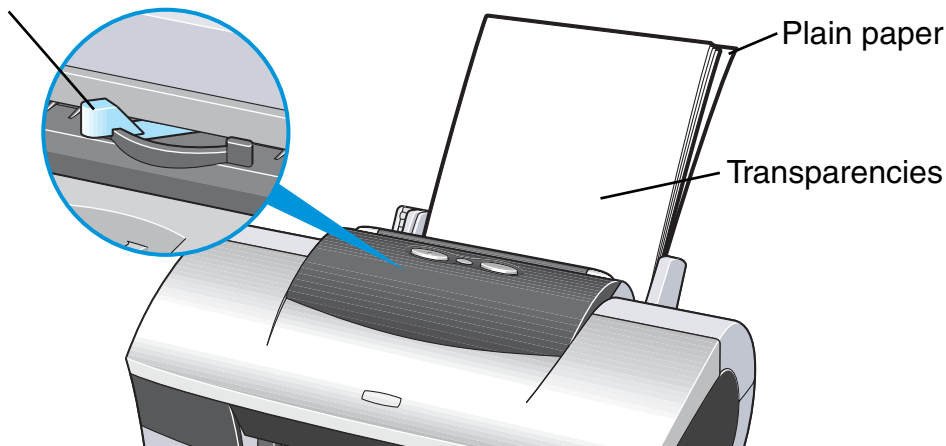
Transparencies

This film is ideal for printing presentation material for use with overhead projectors.

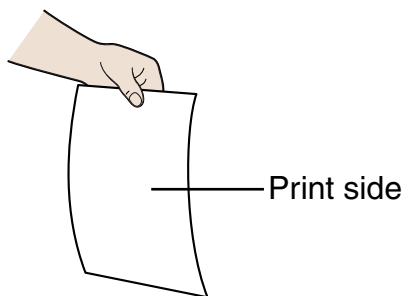
■ Loading

- Place one sheet of plain letter-size or A4 paper under the transparencies in the sheet feeder.
- Set the paper thickness lever to the left.
- A maximum of 30 sheets can be loaded at once.

Paper thickness lever



- Although you can print on either side of transparency media, best results can be obtained by printing on the side toward which it curls when held by the edge.



■ Printer Driver Settings

- **Media Type:** Transparency
- **Page Size:** Ensure that the setting matches the size set in the application.

■ Handling of Printed Output

- Remove each transparency as soon as it is printed.
- Do not touch the printed surface until the ink is fixed (approx. 15 minutes).

■ Printable Area



T-Shirt Transfers

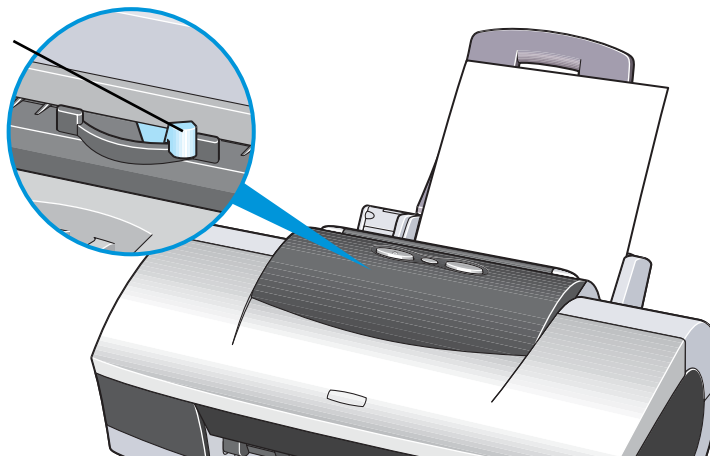
This paper is used to produce iron-on transfers. The image is printed backwards when **Media Type** is set to T-Shirt Transfer in the printer driver.

Note ➤ For more information, refer to the instructions packaged with your media.

■ Loading

- Load only one sheet at a time.
- If the T-shirt transfer is curled, flatten it by curling it in the opposite direction.
- Load the paper with the side that does not have green lines facing up.
- Set the paper thickness lever to the right.

Paper thickness lever



■ Printer Driver Settings

- **Media Type:** T-Shirt Transfer
- **Page Size:** Ensure that the setting matches the size set in the application.

■ Handling of Printed Output

- Remove each T-shirt transfer as soon as it is printed.
- The T-shirt transfer should be used as soon as it is printed. Refer to the supplied instructions for details on how to use this media.

■ Printable Area



Banner Paper

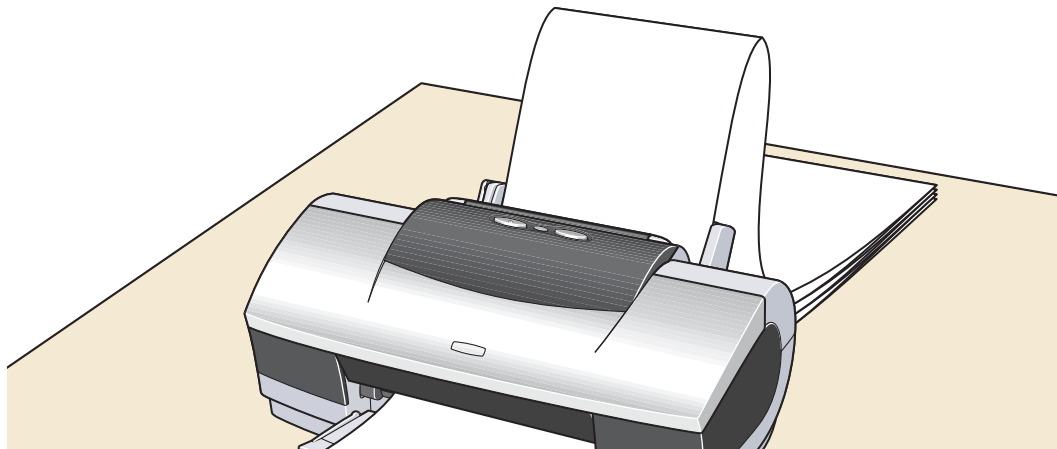
This is long paper that consists of consecutive sheets of letter-size or A4 paper, ideal for printing long posters or banners (up to six sheets long).

■ Preparation for Printing

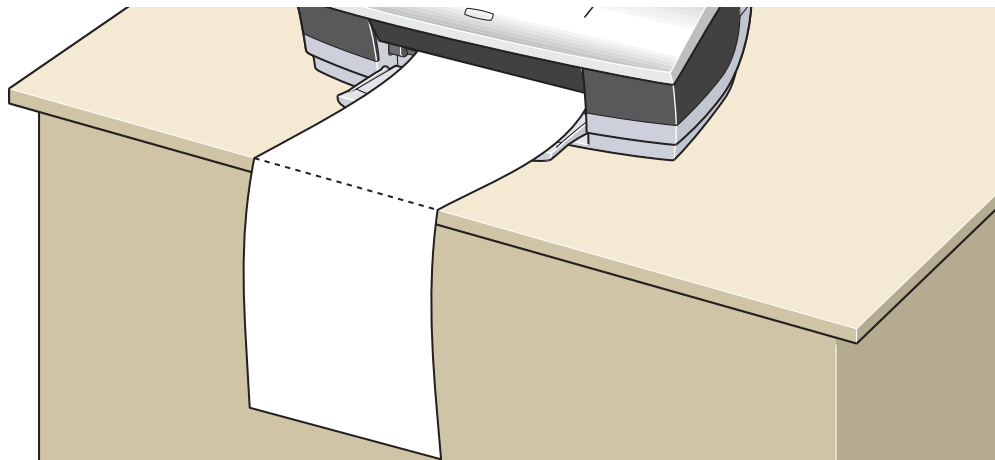
- When tearing the banner paper, tear off one more sheet than you actually need to print.
- The maximum length for one print job is six sheets, so if you will be printing on six sheets, tear off a seven-sheet length.

■ Loading

- 1 Set the paper thickness lever to the right.
- 2 Load the banner paper with the printing side facing up. Gently fold the perforation between the first and second sheets.
Leave the rest of the paper folded up.



- 3** Place the printer where the printed banner output can hang over the edge of the table.



Ensure that the ink does not stain the table or floor.

■ Printer Driver Settings

- **Media Type:** Plain Paper
- **Page Size:** When using letter-size banner paper: Letter
When using A4 banner paper: A4
- **Copies:** Must be set to **1** to print correctly.
- In Windows, select **Banner Printing** for **Printing Type** on the **Page Setup** tab.
- On a Macintosh, before creating the document, select **Banner Printing** in the **Page Setup** dialog box.

■ Printable Area

➡ Printing Area

Troubleshooting



- Cannot Install the Printer Driver
- Print Quality is Poor or Contains Errors
- Printer Does Not Start or Stops During Print Jobs
- Paper Does Not Feed Properly or Paper Jams
- The POWER Lamp Flashes Orange
- An Error Message is Displayed on the Screen
- Problems Unique to Windows
- Problems Unique to the Macintosh

Windows

Macintosh

Cannot Install the Printer Driver

■ Follow the installation procedure correctly.

Install the printer driver carefully following the procedures described in the printed *Quick Start Guide*.

If the printer driver was not installed correctly, reinstall it. If you are using Windows, delete the printer driver before reinstalling it.

➡ [Uninstalling Printer Drivers](#)

Note ➤ If the Installer was forcibly terminated due to an error in Windows, Windows may be unstable. This could prevent the printer driver from being installed. Restart the computer before reinstalling the printer driver.

■ Close any other applications before installation.

Sometimes the printer driver cannot be installed because another application is running.

- If the Installer for the printer driver does not start automatically when you insert the *Setup Software & User's Guide CD-ROM*, open the My Computer window, then double-click the CD-ROM icon.

Windows

Note ➤ If you are typing in the file name, you must specify the CD-ROM drive letter and the installation program ("msetup.exe"). The CD-ROM drive letter is computer dependent.

- Confirm that there are no problems with the *Setup Software & User's Guide CD-ROM*.

In Windows, use Windows Explorer to ensure that the CD-ROM can be read. In a Macintosh, check that the CD-ROM icon is visible. If there is a problem with the CD-ROM, contact a Customer Care Center.

Print Quality is Poor or Contains Errors

- Cannot Print to End of Job
- Colors are Unclear
- Meaningless Characters or Symbols are Printed
- Printing is Blurred/Colors are Wrong
- Straight Lines are Misaligned
- Printed Paper Curls or Ink Blots
- Back of Paper is Smudged
- Printed Surface is Scratched
- White Streaks
- Colors are Uneven or Streaked

Cannot Print to End of Job

- **Confirm that the Page Size setting matches the size of the paper loaded in the printer.**

First, check the **Page Size** setting in the application.

Next, check the **Page Size** setting in the Printer Properties dialog box for Windows, or the Page Setup dialog box for Macintosh.

- **Check the amount of the space on the hard disk.**

You may need to increase the amount of free space by deleting any unnecessary files.

Colors are Unclear

- **Confirm that the Media Type setting in the printer driver matches the type of paper loaded in the printer.**

If you are printing a photograph or an illustration from a Windows environment, also increase **Print Quality** on the **Main** tab.

If you are working in a Macintosh environment, select the **Photo** or **Graphic** icon for the **Print Mode** in the Print dialog box.

- **Confirm that the specified ink tank is installed.**

When an ink tank runs out of ink, replace it with a new one.

Note ➤ Printed colors may not match screen colors perfectly due to basic differences in the methods used to produce colors. Color control settings and environmental differences can also affect how colors appear on the screen.

Meaningless Characters or Symbols are Printed

- **If the problem only occurs when printing a specific document, try editing the document, then printing it.**

If this does not resolve the problem, there may be a problem with your application program.

Printing is Blurred/Colors are Wrong

- **If a specific color does not print, check whether the corresponding ink tank is empty. Replace if necessary.**

- **Print the nozzle check pattern to ensure that ink is ejected correctly.**

If the nozzle check pattern does not print correctly, clean the printhead.

➡ [Printing the Nozzle Check Pattern](#)

➡ [Printhead Cleaning](#)

If the problem is not resolved after cleaning the printhead several times, the printhead may be worn out. Contact a Customer Care Center.

Note ➤ Always ensure that you dispose of the protective cap from a printhead.

- **Ensure that you are printing on the correct side of the media.**

You can only print on one side of certain media.

Straight Lines are Misaligned

■ Align the printhead.

Ensure that you align the printhead every time you install a new printhead.

Windows

- 1 Open the Printer Properties dialog box.
- 2 Click the **Maintenance** tab.
- 3 Click **Printhead Alignment**.
Follow the instructions on the screen.

Macintosh

- 1 Open the Page Setup dialog box.
- 2 Click **Utilities**.
- 3 Select **Test Print** from the pull-down menu, then click **Printhead Alignment**.

Follow the instructions on the screen.

■ In the printer driver settings, select a higher print quality setting.

Windows

- 1 Open the Printer Properties dialog box.
- 2 Click the **Main** tab, then click **High** for the **Print Quality** setting.

Macintosh

- 1 Open the Print dialog box.
- 2 For **Print Mode**, select **Manual**, then click **Details**.
- 3 Click the **Quality** icon, then drag the **Print Quality** slider to the **Fine** end.

Printed Paper Curls or Ink Blots

- **Use High Resolution Paper or Photo Paper Pro to print images that require a lot of ink, such as pictures with intense colors or photographs.**
- **Reduce the Intensity setting in the printer driver and try printing again.**

Windows

- 1** Open the Printer Properties dialog box.
- 2** Click the **Main** tab, click **Manual** for **Color Adjustment**, then **Set**.
- 3** Drag the **Intensity** slider to adjust the intensity.

Macintosh

- 1 Open the Print dialog box.
- 2 For **Print Mode**, click **Manual**, then **Details**.
- 3 Click the **Color** icon, then drag the **Intensity** slider to set the intensity.

Back of Paper is Smudged

- If the next page prints before the ink is dry, enable the **Pause Page** printer driver setting.

You can either remove each printed sheet from the output tray as soon as it is printed, or adjust the **Ink Drying Wait Time** to pause after each sheet has printed.

Windows

- 1 Open the Printer Properties dialog box.
- 2 Click the **Maintenance** tab.
- 3 Click **Custom Settings** to open the Custom Settings dialog box.
- 4 Drag the **Ink Drying Wait Time** slider, then click **Send**.

Macintosh

- 1 Open the Page Setup dialog box.
- 2 Click **Utilities**.
- 3 Select **Custom Settings** from the drop-down menu.
- 4 Drag the **Ink Drying Wait Time** slider, then click **Send**.

■ You may need to clean some internal parts of the printer. Follow the procedure below.

- 1 Load sheets of letter-size or A4 paper in the printer.
- 2 Hold down the RESUME/CANCEL button until the POWER lamp flashes three times, and release the button.
- 3 Repeat this operation until there are no more smudges on the test page.

Printed Surface is Scratched

■ Ensure that you are using suitable paper.

- The paper weight must be less than 28 lb.

If you use non-Canon brand paper heavier than 28 lb., the printhead may scratch the printed surface.

Clean the printhead first and print with the correct paper.

- The paper must not be curled.

This problem can be resolved by simply turning the paper over.

■ Before starting Borderless Printing, check the paper that you are using.

With Borderless Printing, the print quality may decrease or smudging may occur at the top and bottom edges of the paper.

Use Photo Paper Pro or Glossy Photo Paper. If smudging still occurs, set the paper thickness lever to the right and try printing again.

■ When printing on thick paper, set the paper thickness lever to the "✉" mark.

This widens a gap between the printhead and the paper. If the paper is scratched even when printing on plain paper, also try this.

■ Reduce the Intensity setting in the printer driver and try printing again.

When printing an image with high intensity, the paper may absorb too much ink and become wavy. This may cause the printed surface to become scratched.

Windows

- 1 Open the Printer Properties dialog box.
- 2 Click the **Main** tab, select **Manual** for **Color Adjustment**, then click **Set**.
- 3 Drag the **Intensity** slider to adjust the intensity.

Macintosh

- 1 Open the Print dialog box.
- 2 For **Print Mode**, click **Manual**, then click **Details**.
- 3 Click the **Color** icon and drag the **Intensity** slider to set the intensity.

■ Ensure that you are printing within the recommended printing area.



White Streaks

■ Print the nozzle check pattern to check the ink output.

If a specific color does not print in the nozzle check pattern, clean the printhead.

➡ [Printing the Nozzle Check Pattern](#)

➡ [Printhead Cleaning](#)

The problem can also be resolved by aligning the printhead. For details on printhead alignment, refer to "[Straight Lines are Misaligned](#)".

Colors are Uneven or Streaked

■ Increase the print quality setting in the printer driver settings.

Windows

- 1 Open the Printer Properties dialog box.
- 2 Click the **Main** tab, then click **High** for the **Print Quality** setting.

Macintosh

- 1 Open the Print dialog box.
- 2 For **Print Mode**, click **Manual**, then click **Details**.
- 3 Click the **Quality** icon, then drag the **Print Quality** slider to the **Fine** end.

■ Set the halftoning method to Diffusion in the printer driver settings.

Windows

- 1 Open the Printer Properties dialog box.
- 2 Click the **Main** tab, select **Custom** for the **Print Quality** setting, then click **Set**.
- 3 Click **Diffusion** for the **Halftoning** setting.

Macintosh

- 1 Open the Print dialog box.
- 2 For **Print Mode**, click **Manual**, then click **Details**.
- 3 Click the **Quality** icon, then click **Diffusion** for the **Halftoning** setting.

Printer Does Not Start or Stops During Print Jobs

- Printing Does Not Start
- Printing Stops Before It is Completed
- Printer Moves But Does Not Print
- Printhead Holder Does Not Move to the Center

Printing Does Not Start

■ Ensure that the printer is turned on.

If the POWER lamp is off, press the POWER button.

If the POWER lamp is flashing green, the printer is initializing. Wait until the POWER lamp stops flashing.

Note ➤ When printing a large amount of data such as a photo or graphics, it takes longer than usual to begin printing. While the POWER lamp is flashing, the computer processing the data and sending it to the printer. Wait until the processing is completed.

■ Ensure that the printer is securely connected to the computer.

Note ➤ If you are using a switch box or other device, remove and reconnect the printer directly to the computer. Try printing again.
If printing is now successful, there may be a problem with the device.
There could also be a problem with the cable(s). Replace the cable(s) and try printing again.

■ Ensure that the correct printer driver is selected.

In Windows, ensure that **Canon S900** is selected in the **Print** dialog box.

In Macintosh, ensure that **S900** is selected in the **Chooser**.

Note ➤ In Windows, you can set the Canon S900 as the default printer.

■ Ensure that the printer port is set correctly.

Windows

Set **USBPRNnn** or **USBnnn** (n represents a number) as the printer port.

1 Open the Printer Properties dialog box from the **Start** menu.

➡ Opening the Printer Properties dialog box directly from the Start menu

2 Click the **Details** tab (or **Ports** tab) and set the printer port.

Printing Stops Before It is Completed

■ Check the status of the POWER lamp.

When the POWER lamp is flashing green, the printer is processing data. Printing a large amount of data, such as a photo or graphic image, takes time for the computer to process, during which the printer may appear to not be functioning.

In addition, when continuously printing material that uses a large amount of black ink on plain paper, the printer will sometimes pause. In either case, wait until the processing is completed.

■ Stop the print job and turn the printer off for at least 15 minutes to cool the printhead down.

The printhead can overheat when continuously printing for long time. To protect the printhead, the printer will sometimes pause automatically at a line break before resuming. In this event, interrupt the print job at a convenient time and turn the printer off for at least 15 minutes.

Furthermore, when continuously printing graphics or photos with intense colors, printing may stop to protect the printhead. In this case, printing will not resume. Turn the printer off and wait for at least 15 minutes.

Caution ➤ Inside the printer, the area around the printhead can become extremely hot. Do not touch the printhead or nearby components.

Printer Moves But Does Not Print

- **Check the ink tanks. If empty, replace them.**
- **Ensure that the ink tanks snap into place when you install them.**
- **If there is plenty of ink but the printer does not print, clean the printhead.**

After cleaning the printhead, print the nozzle check pattern to check that ink is being ejected normally.

➡ [Printhead Cleaning](#)

➡ [Printing the Nozzle Check Pattern](#)

If the problem is not resolved by cleaning the printhead several times, the printhead may be worn out. Contact the Customer Care Center.

- **Check that the protective cap has been removed from the printhead.**

Ensure that you align the printhead after removing the protective cap and reinstalling the printhead.

For details on printhead alignment, refer to "[Straight Lines are Misaligned](#)".

Printhead Holder Does Not Move to the Center

■ Ensure that the printer is turned on.

The printhead holder will not move unless the power is on. If the POWER lamp is off, close the front cover and turn the power on.

If the POWER lamp is flashing green, the printer is initializing.
When the POWER lamp stops flashing, open the front cover again.

■ If the front cover has been left open for a while, close and reopen it.

If the front cover is left open for more than 10 minutes, the printhead holder moves to the right to prevent the printhead from drying out. Close and reopen the front cover to return the holder to the center.

Paper Does Not Feed Properly or Paper Jams

- Paper Does Not Feed Properly
- Paper Jams

Paper Does Not Feed Properly

■ Make sure that:

- If using non-Canon brand media, the paper is not too thick (less than 28 lb.).
- The number of sheets loaded does not exceed the recommended level.
- The paper is not creased, curled or wrinkled.

 [Compatible Media Types](#)

■ Ensure that the left edge of the paper touches the paper guide.

■ When printing envelopes, refer to "[Envelopes](#)" in "[Printing Media](#)", and prepare the envelopes before printing.

Once you have prepared the envelopes, load them in the printer in portrait orientation. If the envelopes are placed in landscape orientation, they may not feed properly.

■ When using transparencies, load one sheet of plain paper in the printer first, then place the transparencies on top of it.

The last transparency may not feed properly unless there is a sheet of plain paper beneath it.

Paper Jams

Remove the paper according to the following procedure.

- 1 Slowly pull the paper out, either from the sheet feeder or from the paper output slot, whichever is easier.

If the paper tears and a piece remains inside the printer, open the front cover and remove it.

If you cannot pull the paper out, press the POWER button twice to eject the paper automatically.
- 2 After removing all paper, close the front cover.
- 3 Reload the paper into the printer and press the RESUME/CANCEL button.

Note ➤ When reloading the paper into the printer, refer to "[Paper Does Not Feed Properly](#)" to confirm that you are using the correct paper and are loading it into the printer correctly.

The POWER Lamp Flashes Orange

An error has occurred in the printer. The number of flashes indicates the type of error, as outlined below. Check the cause and take the appropriate action.

■ Two flashes: Out of paper, paper jam or paper feed error

Replace the paper correctly and press the RESUME/CANCEL button.

If paper has jammed in the printer, clear the jam and press the RESUME/CANCEL button.

■ Three flashes: Paper jam

If paper has jammed in the printer, clear the jam, replace the paper in the printer correctly and press the RESUME/CANCEL button.

 [Paper Jams](#)

■ Four flashes: Empty ink tank

One of the ink tanks is empty. Replace it.

 [Replacing an Ink Tank](#)

■ Six flashes: No printhead installed

Install a printhead.

■ Seven flashes: Defective printhead

Remove and reinstall the printhead.

Also, ensure that the protective cap has been removed. If reinstalling the printhead does not resolve the problem, replace it with a new one.

■ Eight flashes: Waste ink tank almost full

The printer has a built-in waste ink tank for the ink used during printhead cleaning. Eight flashes indicates that the waste ink tank is nearly full. Press the RESUME/CANCEL button to cancel the error so you can continue printing. Before the waste ink tank becomes completely full, contact the Customer Care Center to have the waste ink tank replaced.

Note ➤ Canon recommends to call for service as soon as this error occurs. Once the waste ink tank becomes completely full, printing will be no longer possible.

- **POWER lamp flashes alternate green and orange:**
An error that requires contacting the Customer Care Center may have occurred.

Turn the printer off and unplug the printer from the power supply. Plug the printer back in and turn the printer back on.

If the problem remains, contact the Customer Care Center.

An Error Message is Displayed on the Screen

- Error Writing to USBxxx Windows
- Application Error or General Protection Fault Windows
- Other Error Messages Windows
- Other Error Messages Macintosh

Error Writing to USBxxx

Windows

■ Ensure that the printer is turned on.

If the POWER lamp is off, turn the printer on.

If the POWER lamp is flashing green, the printer is initializing. Wait until the POWER lamp stops flashing.

■ Ensure that the printer is securely connected to the computer.

Note ➤ If you are using a switch box or other devices, remove and reconnect the printer directly to the computer and try printing again.
If printing is now successful, there may be a problem with the device.
Also there could be a problem with the cable(s). Replace the cable(s) and try printing again.

■ If spooling is enabled, disable it to send the print data directly to the printer and try printing again.

1 Open the Printer Properties dialog box from the **Start** menu.

➡ Opening the Printer Properties dialog box directly from the Start menu

2 Click the **Details** tab, click **Spool Settings**, then **Print directly to printer**.

■ Verify the printer port status.

Note ➤ Verify your printer port status on the **Device Manager**.
For information on how to verify, or how to correct errors, refer to the Windows manual.

■ Ensure that the printer port setting corresponds to the printer interface connection.

Open the Printer Properties dialog box from the **Start** menu, then click the **Details** tab (or **Ports** tab). If **USBPRNnn (Canon S900)** or **USBnnn (Canon S900)** (n represents a number) is displayed, the USB port is selected.

➡ Opening the Printer Properties dialog box directly from the Start menu

If the setting is incorrect, shut down Windows, turn off the printer, then either connect the printer to the interface selected in the printer driver, or install the correct printer driver corresponding to the interface.

- **There may be a problem in the printer driver. Uninstall the printer driver and reinstall it.**

➡ Uninstalling Printer Drivers

Application Error or General Protection Fault

Windows

- **Ensure that the application program you are using is intended for your operating system.**

For example, if you attempt to print with a Windows 3.1 application under Windows 98, the application may not function correctly and an error may occur.

Use an application program intended for your operating system.

- **If other applications are running, close them to increase available memory, then try printing again.**

- **Ensure that enough memory is allocated to the application.**

Refer to the memory requirements of your application.

■ Check the amount of free space on the hard disk.

You may need to increase the amount of free space by deleting any unnecessary files.

■ If the problem only occurs when printing a specific document, try editing the document, then printing it.

If this resolves the problem, there may have been a problem in the original document. If the same problem occurs with the edited document, contact the manufacturer of your application.

■ There may be a problem in the printer driver. Uninstall the printer driver and reinstall it.

 [Uninstalling Printer Drivers](#)

Other Error Messages

[Windows](#)

■ If the BJ Status Monitor is displayed, follow the instructions on screen.

If an error occurs during printing, the BJ Status Monitor displays the error on the **Printer Status** tab. Follow the instructions on screen.

In Windows Me or Windows 98, click the **Guide** tab for action to be taken in response to the error.

■ If one of the following messages is displayed outside of the BJ Status Monitor:

Could not spool successfully due to insufficient disk space

Increase the amount of free space on the disk by deleting any unnecessary files.

Could not spool successfully due to insufficient memory

Increase available memory by closing any other applications currently running.

Printer driver could not be found

Uninstall the printer driver and reinstall it.

 [Uninstalling Printer Drivers](#)

Background printing failed (Windows Me/Windows 98 only)

Restart Windows and try printing again.

Could not print [application name] – [file name]

Try printing again once the current job is finished.

Other Error Messages

Macintosh

- If a message with the format "Error No.: Xn" (where "X" represents a letter and "n" represents a number) is displayed:

Error No.: X202

Not enough memory for printing. Increase available memory by closing any other applications currently running.

Error No.: X203

There is a problem with the printer driver. Uninstall the printer driver and reinstall it.

➡ Uninstalling Printer Drivers

Error No.: X300

Ensure that the power is on, and that the printer and the computer are securely connected. If the problem remains, verify the Chooser setting.

1 In the Apple menu, select **Chooser**.

2 Click the S900 icon and ensure that the S900 is selected as the connected destination.

If it is not selected, select it.

If the problem remains, delete all unnecessary documents from the **Extensions** and **Control Panels** folder.

Problems Unique to Windows

- The BJ Status Monitor is Not Displayed
- Cannot Print in Background (Windows Me/Windows 98 only)

The BJ Status Monitor is Not Displayed

■ Ensure that "Enable bi-directional support for this printer" is selected.

- 1 Open the Printer Properties dialog box from the **Start** menu.
 - ➡ Opening the Printer Properties dialog box directly from the Start menu
- 2 Click the **Details** tab (or **Ports** tab), then **Spool Settings**, then **Enable bi-directional support for this printer** (or **Enable bi-directional support**).

Cannot Print in Background (Windows Me/Windows 98 only)

■ Check the amount of free space on the hard disk.

Background printing requires a certain amount of disk space. You may need to delete unnecessary files, or disable background printing.

■ Ensure that background printing is enabled.

1 Open the Printer Properties dialog box.

➡ [Opening the Printer Properties Dialog Box](#)

2 Click the **Page Setup** tab, then **Printer control**, then **Background Printing**.

Problems Unique to the Macintosh

Macintosh

- Jagged Text or Graphics, or Banded Gradations
- Cannot Print in Background

Jagged Text or Graphics, or Banded Gradations

■ Ensure that your application supports Quick Draw.

If you are using a PostScript-compatible application, printed text and lines may appear jagged and gradations may appear banded. As S900 is not a PostScript printer but a Quick Draw printer, use an application compatible with Quick Draw for printing.

Cannot Print in Background

■ Ensure that background printing is enabled.

1 In the Apple menu, select **Chooser**.

2 Set **Backgrounding** to **On**.

■ Check the amount of free space on the hard disk.

Background printing requires a certain amount of disk space.

You may need to remove unnecessary files, or disable background printing.

Specifications



Printing method:

Bubble Jet on-demand

Printing resolution:

2400 (horizontal) × 1200 (vertical) dpi. max.

Print speed (printing with Canon standard pattern):

Black printing	Fast (draft):	7 ppm
	Standard:	5.7 ppm
Color printing	Fast (draft):	7 ppm
	Standard:	4.2 ppm
Photo printing (PR-101 A4)	High (fine):	0.99 ppm

Print direction:

Bi-directional

Print width:

8.0 in max./ 203.2 mm
(for borderless printing: 8.5 in./216.0mm)

Resident print control mode:

Canon extended mode

Receive buffer:

80 KB

Interface:

USB 1.1-compatible

Interface connector:

USB standard Series B receptacle (USB interface)

Recommended printer cable:

Material: AWG28 (data wiring pair) or AWG20 to 28 (distribution pair)

Type: Twisted-pair shielded cable

Length: Up to 6.5 ft. (2.0 m)

Connectors: USB standard Series B pluggable

Acoustic noise level:

Approx. 37 dB (A) (in the best quality mode)

Operating environment:

Temperature: 41 to 95°F (5 to 35°C)

Humidity: 10 to 90%RH (no condensation)

Storage environment:

Temperature: 32 to 95°F (0 to 35°C)

Humidity: 5 to 90% RH (no condensation)

Power supply:

USA/Canada	AC 120 V, 60 Hz
Europe	AC 230 V \pm 10%, 50 Hz
Australia	AC 240 V, 50 Hz

Power consumption:

Standby:	3 W
Printing:	24 W

Dimensions (without a paper rest and paper output tray):

17.4 (W) \times 12.6 (D) \times 7.3 (H) in
443 (W) \times 319 (D) \times 185 (H) mm

Weight:

Approx. 13 lb.

■ Feed method:

Continuous feed through auto sheet feeder

For plain paper, envelopes, High Resolution Paper,
Glossy Photo Paper, High Gloss Photo Film,
Glossy Photo Cards, Photo Paper Pro,
Transparencies, T-shirt Transfers, Banner Paper

■ Sheet feeder capacity:

Plain Paper (28 lb.)	100 sheets max.
High Resolution Paper	80 sheets max.
Envelopes	10 pieces max.
Glossy Photo Paper	1 sheet
High Gloss Photo Film	1 sheet
Glossy Photo Cards	20 sheets max.
Photo Paper Pro	1 sheet
Photo Paper Pro (4 × 6)	20 sheets max.
Transparencies	30 sheets max.
T-Shirt Transfers	1 sheet
Banner Paper	1 sheet

■ Ordinary print media:

Regular size: letter, legal, A4, A5, B5, 4" × 6", US Com.#10, European DL

Custom size: width: 3.54 to 8.5 in. (90.0 to 215.9 mm)
height: 4.72 to 23.0 in. (120.0 to 584.2mm)

Weight: 17 to 28 lb. for non-Canon brand media

Canon Special media:

- High Resolution Paper
- Glossy Photo Paper
- High Gloss Photo Film
- Glossy Photo Cards
- Photo Paper Pro
- Photo Paper Pro (4 x 6)
- Transparencies
- T-Shirt Transfers
- Banner Paper

■ Graphic image printing:

Data format: Canon extended mode: Raster image format

Resolution: Canon extended mode: 600, 1200, 2400 dpi

■ Printhead:

512 nozzles of each color (1200 dpi)

■ Ink Tanks:

Capacity (page):

Black (BCI-6BK)	approx. 590 ^{*1} , approx. 990 ^{*2}
Cyan (BCI-6C)	approx. 860 ^{*2}
Magenta (BCI-6M)	approx. 790 ^{*2}
Yellow (BCI-6Y)	approx. 470 ^{*2}
Photo Cyan (BCI-6PC Photo)	approx. 410 ^{*2}
Photo Magenta (BCI-6PM Photo)	approx. 270 ^{*2}

*1 1500 characters per page, normal text, at standard and plain paper mode with Windows Me/Windows 98

*2 Based on printing the ISO JIS-SCID No.5 pattern selecting **Print a top-quality photo** and **plain paper** in the Print Advisor dialog box with Windows Me/Windows 98

■ Printer driver operating environment:

Windows

IBM PC/AT-compatible computer running on Windows XP, Windows Me, Windows 2000 or Windows 98.

Macintosh

Macintosh computer equipped with a USB interface and Mac OS.8.6 or 9.x.

■ Hard disk space:

Approx. 15 MB to install on Windows Me and Windows 98, 30 MB on Mac OS, or approx. 25 MB on Windows XP and Windows 2000 (including temporary files)

■ Operation environment

Windows

Computer in which Windows XP, Windows Me, Windows 2000 or Windows 98 was preinstalled by the computer manufacturer on purchase (including models with preinstalled Windows 98 that was upgraded to Windows XP, Windows Me or Windows 2000).

Macintosh

Macintosh computer that is equipped with a USB interface and Mac OS 8.6 or 9.x, which was preinstalled by the computer manufacturer on purchase


Specifications subject to change without prior notice.

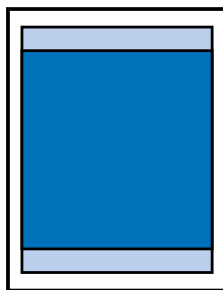
■ Printing Area

To ensure the best print quality, the printer allows a margin along each edge of media.

Printing area (dark blue): Canon recommends that you print within this area.



Printable area (light blue): The area where it is possible to print. However, printing in this area can adversely affect the print quality or the paper feed precision. ()



➡ A4, B5, A5, 4" x 6"

➡ Letter, legal

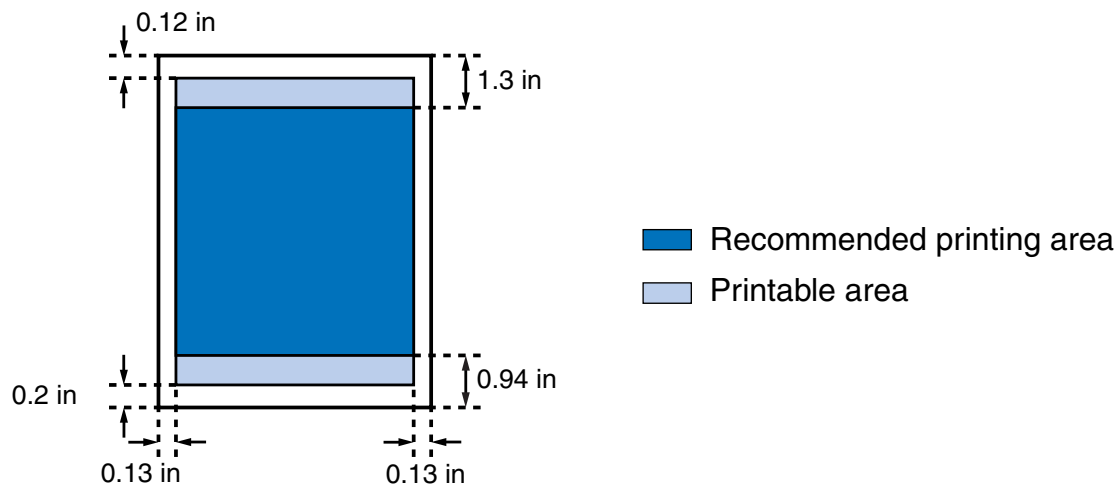
➡ Envelopes

➡ Banner Paper

A4, B5, A5, 4" x 6"

Size	Printable Area (width x height)
A4	8.0 × 11.4 in. / 203.2 × 289.0 mm
B5	6.9 × 9.8 in. / 175.2 × 249.0 mm
A5	5.6 × 7.9 in. / 141.2 × 202.0 mm
4" x 6"	3.7 × 5.7 in. / 94.8 × 144.4 mm

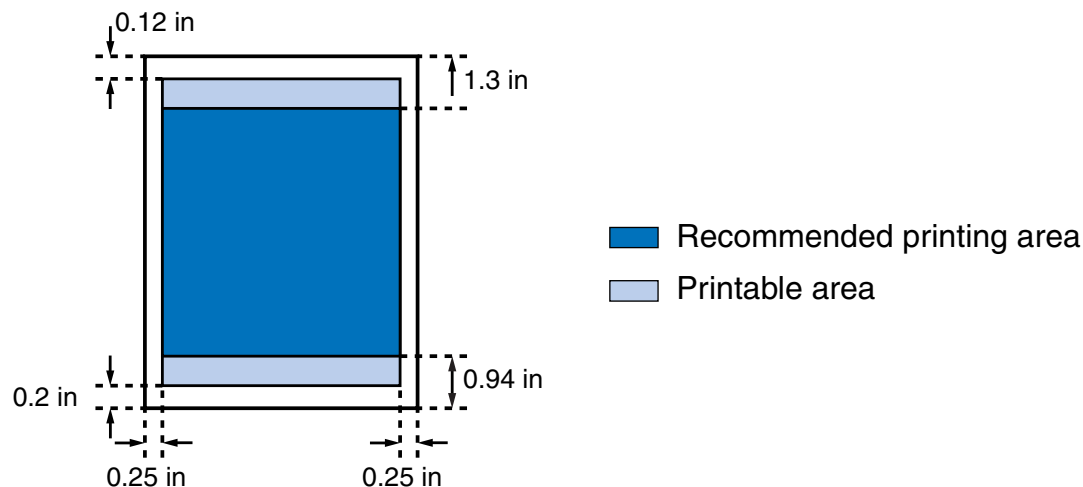
Note ➤ When printing on Photo Paper Pro and Glossy Photo Paper, selection of "Borderless Printing" enables you to make prints with no margins. However, borderless printing may cause the top and bottom edges of paper to decrease in print quality or become soiled.



Letter, legal

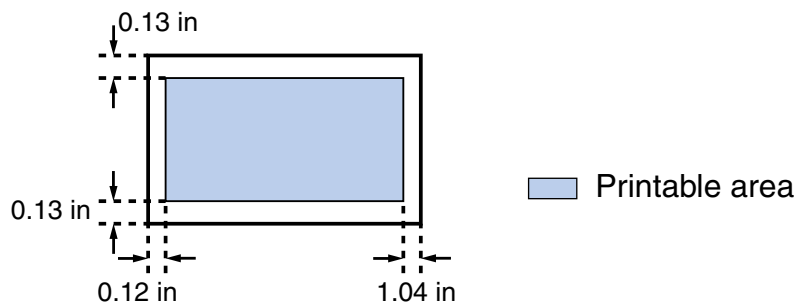
Size	Printable Area (width x height)
Letter	8.0 × 10.7 in. / 203.2 × 271.4 mm
Legal	8.0 × 13.7 in. / 203.2 × 347.6 mm

Note ► When printing on Photo Paper Pro and Glossy Photo Paper, selection of "Borderless Printing" enables you to make prints with no margins. However, borderless printing may cause the top and bottom edges of paper to decrease in print quality or become soiled.



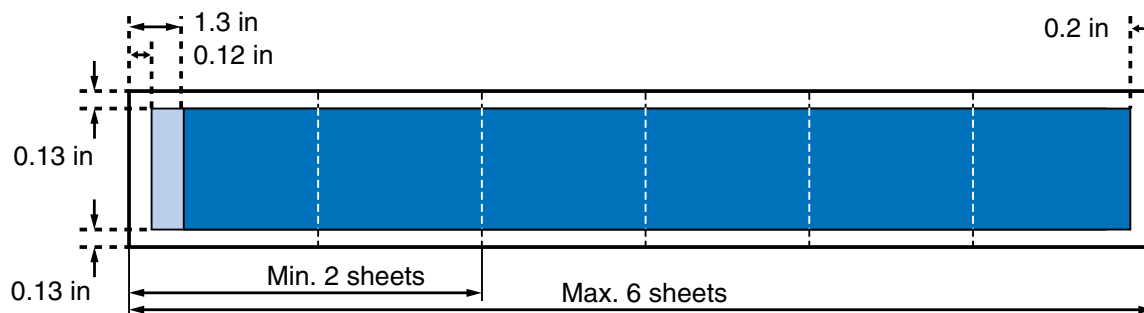
Envelopes

Size	Printable Area (width x height)
US Com. #10	8.3 × 3.9 in. / 211.8 × 98.0 mm
European DL	7.5 × 4.1 in. / 190.5 × 103.2 mm



Banner Paper

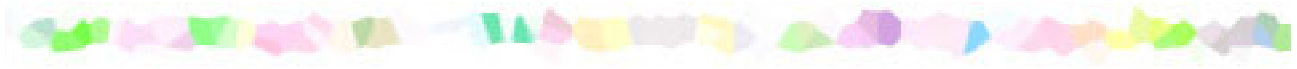
Size	Printable Area (width x height)
Banner Paper	Letter: 8.0 × 65.7 in. / 203.2 × 1668.4 mm
	A4: 8.0 × 69.8 in. / 203.2 × 1774.0 mm



■ Recommended printing area

■ Printable area

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