Canon

S830D

Photo Printer

Quick Start Guide

Canon S830D Photo Printer Quick Start Guide.

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The purpose of this guide is to aid end users by summarizing pertinent information about your Canon S830D Photo Printer. All statements, technical information and recommendations in this guide are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representations or warranties concerning the products described.

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Chapter 1: Basic Printing

Congratulations on purchasing your new Canon® S830D Photo Printer!

This chapter describes basic features of your S830D Photo Printer and provides instructions on how to set up and print documents and photographs.

The following topics are presented in this chapter:

- What Is a Printer Driver?
- Selecting the S830D Photo Printer for Use
- Using Specialty Media
- Cancelling a Print Job
- Setting Driver Options
- Changing the Page Setup

This Quick Start Guide describes some of the features of your S830D Photo Printer and how to use them. For more detailed information, view the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM.

Windows®: Driver features, instructions and screen captures described in this guide reflect Windows XP and may be and/or look different for Windows 98, Me and Windows 2000.

Macintosh®: Driver features, instructions and screen captures described in this guide reflect Mac® OS 8.6 – 9.x, and may be and/or look different for Mac OS X.

What Is a Printer Driver?

Most computers require special software to link the programs you use to create documents or images with the printer. This special software, called a *printer driver*, converts the information from the software application into a format that the printer can understand, and provides other handy features, such as monitoring the levels of ink in the printer.

Selecting the S830D Photo Printer for Use

If the S830D is the only printer connected to your computer, it will automatically be used every time you print. However, if your computer has access to multiple printers, you can set the S830D as the default (main) printer.

To set the S830D as the default printer in Windows®:

1. Click **Start**, then:
   - **Windows XP:** Select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.
   - **Other Windows versions:** Select **Settings**, then **Printers**.
2. Right-click the **Canon S830D** printer icon, then click **Set as Default Printer**. The Canon S830D printer icon will now display with a check mark that indicates it is the default printer.

To select the S830D from within a Windows application:

If another printer is set as the default printer, you can still select the Canon S830D for a specific print job from within most applications.

Note — Menus vary from application to application. Consult your application's user documentation if the Print option is not listed.

1. From the **File** menu, click **Print**.
2. Select **Canon S830D** from the list, then click **OK**.

To select the S830D in Mac® OS:

1. Click **Apple**, then **Chooser**.
2. Click the **S830D** printer icon. Close the Chooser. The S830D will remain the default printer until another is selected.

Caring for Your Photographs

The Canon S830D Photo Printer will generate spectacular results for printing photographs, especially when used with Canon specialty media. All images are susceptible to fading over time, but proper care of prints made from your S830D Photo Printer will ensure that print quality lasts long into the future.

Many environmental factors can impact how long a printout will last before noticeable image fading occurs. Exposure to sunlight or other light sources, humidity, temperature, exposure to cigarette smoke and ozone are just some of the factors that can impact image permanence. While many of these variables cannot be controlled, you can take basic measures to prolong image quality:

- Use Canon Photo Paper Pro and genuine Canon inks. Try Canon Photo Paper Pro or Canon Photo Paper Pro for Borderless Printing (4" x 6"). Both papers are specifically designed to work with genuine Canon inks.
- Mount images under glass to reduce exposure to ozone, cigarette smoke and other environmental factors that can degrade images.
- Keep printed images out of direct sunlight or other intense light sources.

Using Specialty Media

For optimal results, Canon recommends that you use genuine Canon media with your S830D Photo Printer. Be sure to follow all instructions on storing, handling and printing on the media.

General Printing

For everyday paper printing, use Canon High Resolution Paper or plain paper (17 to 28 lb.). Use standard #10 envelopes with your S830D Photo Printer.

Specialty Media

The specialty media available for use with the S830D include:

- Canon Photo Paper Plus Glossy
- Canon Matte Photo Paper
- Canon Photo Paper Pro
- Canon Photo Paper Pro 4" x 6"
- Canon Photo Paper Pro for Borderless Printing 4" x 6"
- Canon Glossy Photo Paper
- Canon Glossy Photo Cards
- Canon High Gloss Photo Film
- Canon High Resolution Paper
- Canon Transparencies
- Canon Banner Paper
- Canon T-Shirt Transfers

Media to Avoid

Never load the following types of media into your S830D Photo Printer. These media could produce poor quality and jam or damage the printer:

- Folded paper
- Excessively curled or wrinkled paper
- Damp paper
- Excessively thin paper
- Excessively thick paper
- Paper with adhered photos, stickers, etc.
- Envelopes with an embossed or treated surface
- 3-hole punched paper
- Paper with any type of attached fasteners, ribbons, etc.

Printing on Thick Paper

Load Limit and Paper Thickness Lever Position

Media Type	Sheet Feeder Load Limit	Paper Thickness Lever Position
Photo Paper Plus Glossy	1 sheet	Left
Matte Photo Paper	10 sheets	Left
Plain paper	100 sheets (17 lb.)	Left
High Resolution Paper	80 sheets	Left
Photo Paper Pro	1 sheet	Left
Photo Paper Pro 4" x 6"	20 sheets	Left
Photo Paper Pro for Borderless Printing 4" x 6"	20 sheets	Left
High Gloss Photo Film	1 sheet	Left
Glossy Photo Paper	1 sheet	Left
Glossy Photo Cards	20 sheets	Left
Transparencies	30 sheets	Left
Banner Paper	1 sheet (can print up to 6 connected sheets)	Right
T-Shirt Transfer	1 sheet	Right
#10 Envelopes	10 envelope	Right

Loading Media into the S830D

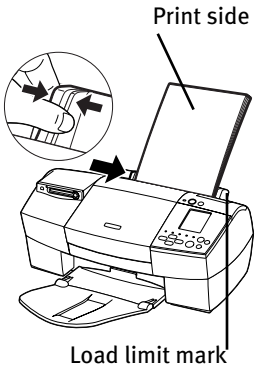
Follow these instructions and tips for loading media into the printer.

- To prevent paper jams, always fan the sheets and align the edges before you load them into the printer.
- Handle media carefully by its edges.
- Never touch the print surface (the glossy or brighter white side of the sheets).
- Dirt or fingerprints on the print surface will adversely affect print quality.
- To prevent changes in color, never stack printed sheets after they have been printed.
- Cover printed sheets with one sheet of plain paper to protect the printed surface, even if you intend to store them in clear plastic folders.

Note For more information on loading media, see the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM.

To load plain paper or other Canon media:

1. Make sure the paper thickness lever is set correctly for the media used.
2. Pinch and slide the paper guide completely to the left.
3. Fan the edges of the sheets to remove static cling, then tap the edges of the stack against a flat surface so the stack is aligned.
4. Insert the media into the paper rest, with the print side facing up.



Note Some specialty media have specific sides for printing. The print side is usually the brighter white or glossier side of the page. When using specialty media, ensure that the brighter/glossier side faces up and avoid touching the print side.

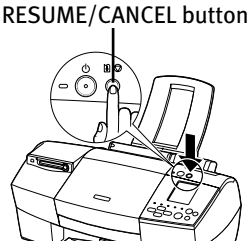
Also, note the load limit for the media you are using and do not exceed the limit.

Always follow the specific media instructions packaged with your media for complete details and ink drying times.

5. Slide the paper guide right to the edge of the media until firmly in place.

Cancelling a Print Job

You can cancel a print job in progress in several ways:

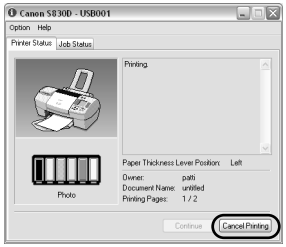


To cancel a print job using the printer button:

After a print job has started, press the **RESUME/CANCEL** button on the printer. The print job will be cancelled.

To cancel a print job using the BJ Status Monitor:

Click **Cancel Printing** after the print job has started. The print job will be cancelled and the paper ejected.



To cancel a print job from Windows:

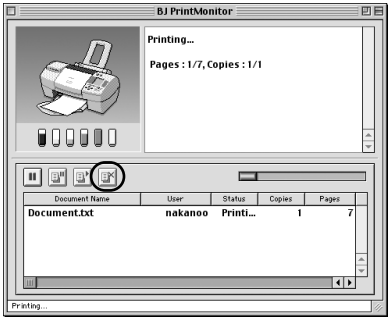
1. Click **Start**, then:
   - **Windows XP:** Select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.
   - **Other Windows versions:** Select **Settings**, then **Printers**.
2. Double-click **Canon S830D**, click the document name, then click **Delete**. The print job will be cancelled and the paper ejected.

To cancel a print job using Mac OS:

On your keyboard, press the Apple® Command key (⌘) and the period key (.) at the same time. The print job will be cancelled and the paper ejected.

To cancel a print job using the BJ Print Monitor:

1. Select the **BJ Print Monitor** in the **Application** menu.
2. Click the name of the print job you wish to cancel, then click .



Setting Driver Options

The S830D printer driver can be customized to give you the best quality output.

Note

This topic describes the main options. For more options, see the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM.

Print Mode

Your S830D Photo Printer offers the following modes of operation. Each mode adjusts the driver settings for the type of project you are printing.

For Windows:

High	For high quality when printing photos or color documents.
Standard	For high quality when printing text.
Draft	For printing text drafts at a faster speed.
Custom	Allows for more precise control for finer details.

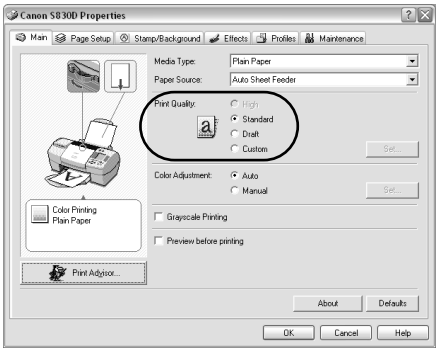
For Mac OS:

Text	Use to print text documents.
Graphic	Use to print documents that contain text and color photos, business graphics, etc. The printer driver automatically distinguishes between text and photos or graphics, and adjusts the printing for the best results.
Photo	Use to print photographs or color images.
Manual	Use to save manually set options for later use.

Note

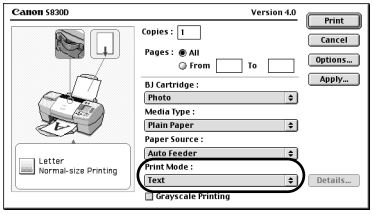
The Print Mode will automatically change when you select a certain Media Type, but you can select another print mode if desired.

To set the print mode in Windows:



1. From an application **File** menu, select **Print**.
2. Make sure **Canon S830D** is the selected printer, then click **Properties**.
3. On the **Main** tab, click the **Print Quality** that best describes your print job, then click **OK**.

To set the print mode in Mac OS:



1. From a Macintosh application **File** menu, select **Print**.
2. Select the **Print Mode** from the drop-down menu that best describes your print job.

Changing the Page Setup

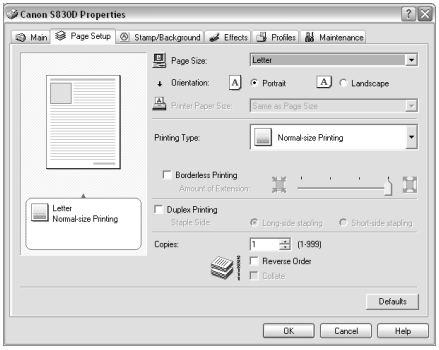
You can change how the image is printed without affecting the original image file.

To change the page setup in Windows:

1. From an application **File** menu, select **Print**.
2. With **Canon S830D** as the selected printer, click **Properties**.
3. Click the **Page Setup** tab. Here you can change the following options:

   Page Size Defaults to the page size set in the original document, but can be changed.

   Orientation Lets you select either portrait or landscape orientation.



Printer Paper Size The page size used by the printer. This defaults to match the Page Size. However, a different printer paper size can be selected if a Printing Type other than normal is selected (see below).

Printing Type Defaults to Normal-size Printing. Click the drop-down arrow to select one of these Printing Types:

Fit-to-Page Printing This option automatically rescales the image to fit into a specified page size.

Scaled Printing With this option you can set the scale of the printed image down to 20% or up to 400% of the original.

Page Layout Printing Lets you set the number of pages to print on a single sheet. Click **Specify** to set the number of pages to a sheet of paper (1 to 16), the print order for those pages (left to right or right to left) and whether you want to print a border around each page.

Poster Printing Lets you print an oversized image on multiple pages that can then be manually joined together. Click **Specify** to set the image divisions (how many tiles the image will break into).

Booklet Printing Data is printed in such a manner that pages can be collated properly in the order of the page numbers when the printed sheets are folded and stapled at the center.

Banner Printing Used for printing banners on special banner paper.

Borderless Printing Used for printing images that cover the entire surface of the card without a white border. Use Canon Photo Paper Pro for Borderless Printing with this feature.

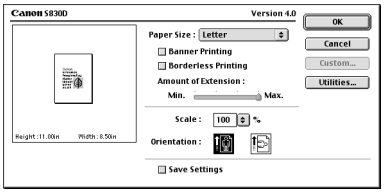
Duplex Printing The document can be printed on both sides of the paper. When printing is complete, reload paper properly, according to the displayed message, then click **OK**. The document will be printed on the opposite side.

4. When done, click **OK**.

For more feature descriptions, see the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM or access the online help.

To change the page setup in Mac OS:

1. Make sure that **S830D** is the selected printer (from the **Apple** menu, select **Chooser**, then **S830D**).
2. From an application **File** menu, click **Page Setup**. The Page Setup dialog box will open.
3. From this dialog box, you can change the following:
   - Select a paper size from the **Paper Size** drop-down list. (If printing a banner, click the **Banner Printing** checkbox, then follow the on-screen instructions. If printing on borderless paper, click the **Borderless Printing** checkbox, then follow the on-screen instructions.)



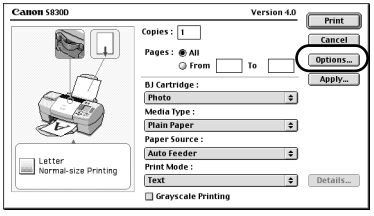
   - Set a **Scale** percentage value between 50% and 200% to print the image in a size different from the original document.
   - Click an **Orientation** icon to change the page orientation.

Note To save these settings for the next print job, click the **Save Settings** checkbox.

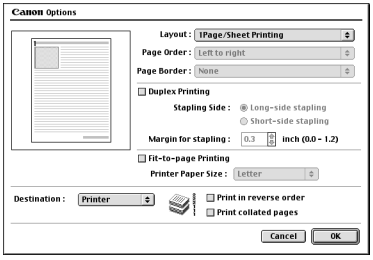
4. When done, click **OK**.

To change the page layout and print order in Mac OS:

1. Make sure that **S830D** is the selected printer.
2. From an application **File** menu, click **Print**. The Print dialog box will appear.
3. Click **Options**. The Options dialog box will open.



4. From the Options dialog box, you can enter or change the following:



   - Under **Layout**, click the drop-down arrow to change the number of pages to print on a sheet (from 1 Page up to 16 Pages).
   - If the page layout is other than 1 Page, you can select a different **Page Order** specific to the selected page layout.
   - If the page layout is other than 1 Page/Sheet Printing, you can also select whether to print a **Border** around each page.
   - To print in reverse order, check the **Print in reverse order** box.
   - If you are printing more than one copy, check the **Print collated pages** box to collate each copy instead of printing all of page 1, then all of page 2, etc.
5. When done, click **OK**.

Note For more information on printer driver features, see the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM, or use the Mac Balloon Help.

Chapter 2: Advanced Print Features

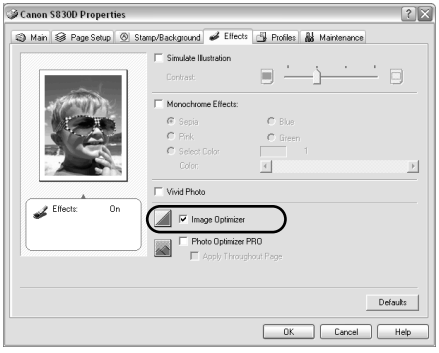
This chapter provides information on how to use the S830D Photo Printer options to enhance printed color images.

If your print results using pre-set print modes are unsatisfactory, you may be able to improve the printing quality by:

- Smoothing Rough or Jagged Edges
- Optimizing Color Photographs
- Adjusting Print Quality
- Adjusting Color Balance, Brightness and Saturation
- Saving and Recalling Driver Settings

Smoothing Rough or Jagged Edges

Use the Image Optimizer feature to smooth rough or jagged images.



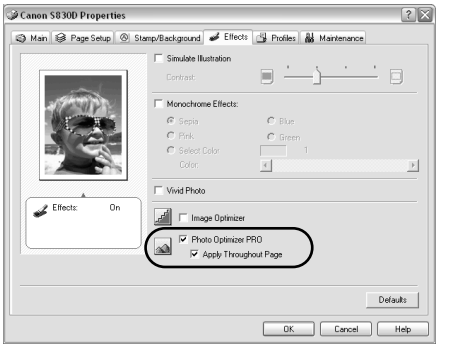
1. From an application **File** menu, select **Print**.
2. Make sure **Canon S830D** is the selected printer, then click **Properties**.
3. Select the **Effects** tab.
4. Click the **Image Optimizer** checkbox.
5. When done, click **OK**.

Optimizing Color Photographs

For realistic color reproduction, use the Photo Optimizer PRO feature. Photo Optimizer PRO adjusts color automatically if the original image color is unsatisfactory.

To optimize color photographs in Windows:

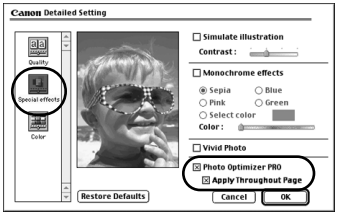
1. From an application **File** menu, select **Print**.
2. Make sure **Canon S830D** is the selected printer, then click **Properties**.
3. On the **Effects** tab, click the **Photo Optimizer PRO** checkbox. When Photo Optimizer PRO is checked, the Apply Throughout Page option becomes active. Leave this box unchecked if you want the S830D to optimize each image individually. Select **Apply Throughout Page** to automatically correct all images with the same settings.



4. When done, click **OK**.

To optimize color photographs in Mac OS:

1. From an application **File** menu, select **Print**.
2. Select **Manual** from the **Print Mode** drop-down menu. Then click the **Details** button. The Detailed Setting dialog box will open.
3. Select **Special Effects** in the left column, then click the **Photo Optimizer PRO** checkbox.



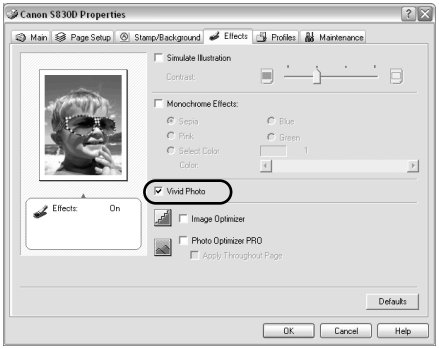
4. If you want Photo Optimizer PRO to process the entire page, check **Apply Throughout Page**. If you want only the photo image optimized, leave this box unchecked.
5. Click **OK**.

Using the Vivid Photo Option

Vivid Photo intensifies background colors for fields, trees, oceans and skies, while maintaining natural skin tones for any people in the images.

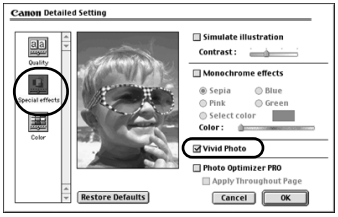
To use Vivid Photo in Windows:

Open the Properties dialog box, click the **Effects** tab, and then click the **Vivid Photo** checkbox.



To use Vivid Photo in Mac OS:

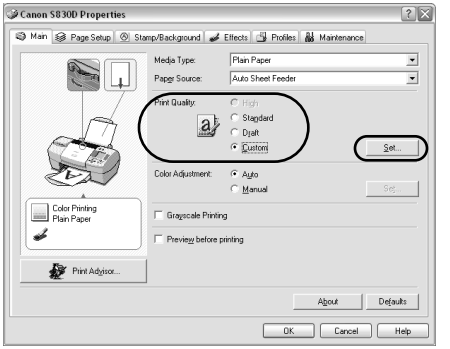
Open the Detailed Setting dialog box, click the **Special effects** icon, and then click the **Vivid Photo** checkbox.



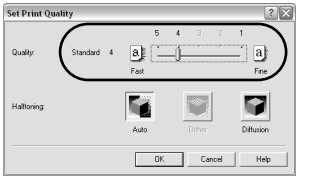
Adjusting Print Quality

Features that affect the appearance and quality of your printed photos and documents can be controlled with the printer driver.

To adjust image quality in Windows:

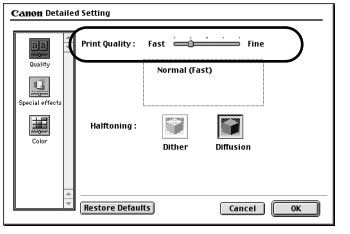


1. From an application **File** menu, select **Print.**
2. Make sure that **Canon S830D** is the selected printer, then click **Properties**.
3. On the **Main** tab, under Print Quality, select **Custom**, then click **Set**.



4. Slide the **Quality** slide bar to **Fine**.
5. Click **OK**. The Set Print Quality dialog box closes.
6. Click **OK**.

To adjust image quality in Mac OS:



1. From an application **File** menu, select **Print**.
2. Select **Manual** from the **Print Mode** drop-down menu. Then click the **Details** button. The Detailed Setting dialog box will appear.
3. Slide the **Print Quality** slide bar to the **Fine** setting.
4. Click **OK**.

Adjusting Color Balance, Brightness and Saturation

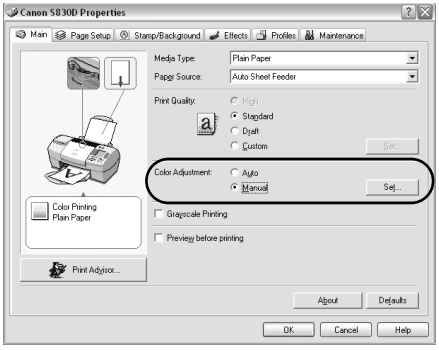
You can enhance color printing by adjusting the color balance, output style (saturation) and brightness.

To adjust color settings in Windows:

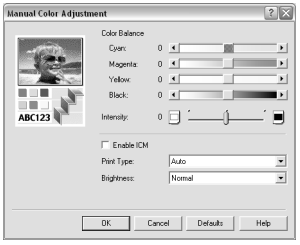
1. From an application **File** menu, select **Print**.
2. With **Canon S830D** as the selected printer, click **Properties**.

Note To print in black only, check the **Grayscale Printing** box on the **Main** tab. This will convert color images to grayscale when printing, without changing the original colors in the document. Then click **OK**, and skip to Step 9 on the following page.

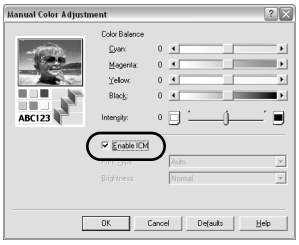
3. On the **Main** tab, under **Color Adjustment**, select **Manual**. The Set button will become active.
4. Click **Set**, and the Manual Color Adjustment dialog box will open.



5. Click and drag the **Color Balance** slide bar for each color to adjust the color settings. The results will preview.
6. Click and drag the **Intensity** slide bar to change the intensity (saturation) for the image. The results will preview.



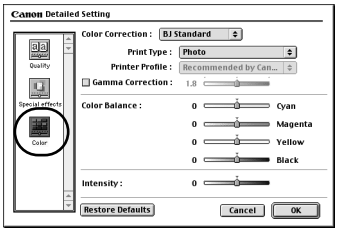
Note Image Color Management (ICM) is a feature that automatically adjusts the image colors. To use ICM for automatic color adjustment, click the **Enable ICM** checkbox.
Windows 98/Me users: All other features on this tab (except Intensity) will become inactive. If you enable ICM, skip to Step 9 below.



7. Under **Print Type**, select **Photo** when printing photographs. This allows for a wider range of tones. Set to **Graphic** when printing graphic images for crisper, cleaner graphic images.
8. Select a **Brightness** setting to determine how light or dark the image will appear when printed.
9. When done, click **OK**.

To adjust color settings in Mac OS:

1. From a Mac application, select **File**, then **Print**.
2. Select **Manual** from the Print Mode drop-down menu. Then click the **Details** button.
3. Click the **Color** icon.
4. Adjust the Color Correction, Gamma Correction, Color Balance and Intensity settings for your image.



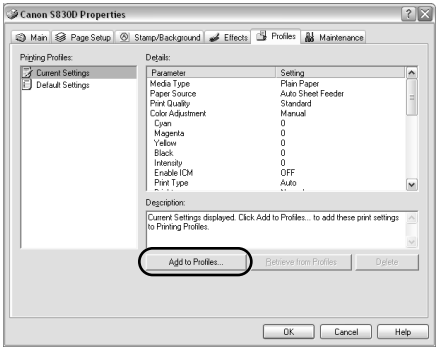
5. Under **Print Type**, select **Photo** when printing photographs. This allows for a wider range of tones. Set to **Graphic** when printing graphic images for crisper, cleaner graphic images.
6. Click **OK**.

Saving and Recalling Driver Settings

You can assign a name to a combination of driver settings and recall them for future use.

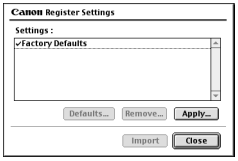
To save driver settings in Windows:

1. From an application **File** menu, select **Print**.
2. With **Canon S830D** as the selected printer, click **Properties**.
3. Make the desired printer driver setting changes.
4. Without exiting the Properties dialog box, select the **Profiles** tab.
5. Click **Add to Profiles**, then type a name for your settings in the **Name** field. You can also select an icon for this profile.
6. Type a description of your settings.
7. Click **OK**.



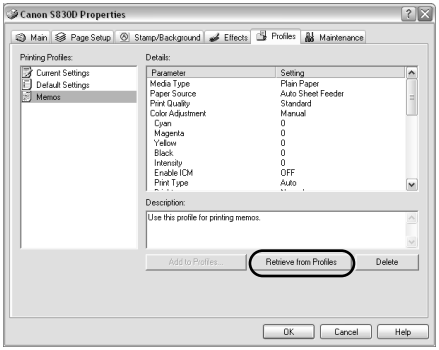
To save driver settings in Mac OS:

1. From an application **File** menu, select **Print**.
2. Click **Apply**. The Register Settings dialog box will appear.
3. Click **Apply** again.
4. Type a name for the setting, then click **OK**. The Register Settings dialog box will reappear.
5. Click **Close**.



Note To save the new settings as the default setting for the Manual icon, click on the name in the **Settings** list, then click **Defaults**.

To recall driver settings in Windows:



1. From an application **File** menu, select **Print**.
2. With **Canon S830D** as the selected printer, click **Properties**.
3. Select the **Profiles** tab.
4. Highlight the saved setting profile you want to use.
5. Click **Retrieve from Profiles**, then click **OK** to confirm the profile change. The profile settings will become active.
6. Click **OK** again to close the Properties dialog box.

To recall driver settings in Mac OS:

1. From an application **File** menu, select **Print**.
2. Click **Apply**, then select the name of your saved settings.
3. Click **Defaults**, then **OK**.
4. Click **Import**, then **Close**.

Chapter 3: Printing Without a Computer

This chapter describes how to use the printer without the computer to print photos taken with a digital camera. The following topics are addressed:

- Basic Operations
- Printing Photos
- Print Options
- Maintenance Procedures for Direct Printing
- Using the Memory Card Utility

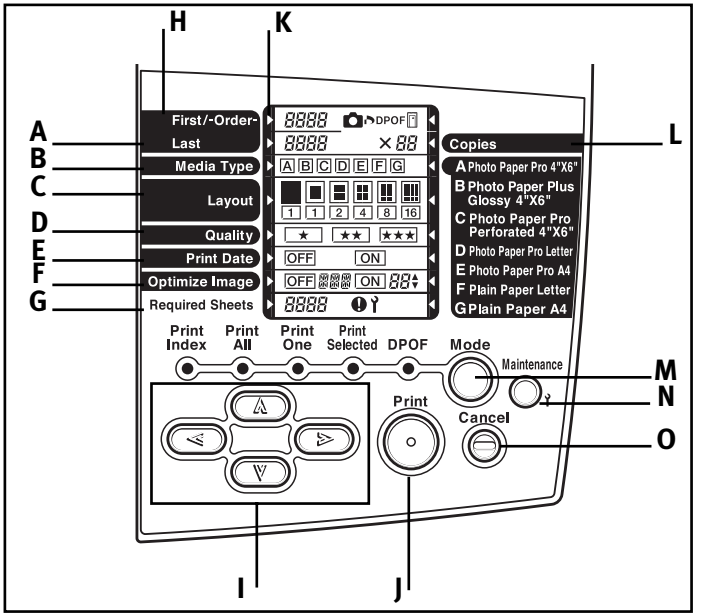
  While the printer's Operation Panel allows you to print without a computer, you will need a computer if you plan to use the Memory Card Utility, which you would install on your computer. Use this utility to perform several tasks associated with using a memory card, such as selecting the application to be started when the memory card is inserted and changing the read/write mode of the memory card slot.

Basic Operations

The following section describes basic operations required for printing, including how to use the printer's Operation Panel, and how to use a memory card or attach a digital camera to the printer.

Operation Panel Names and Functions

Shown below is the operations panel found on the printer. Become familiar with various functions of the panel so you can prepare your photo for printing.



A) Last
When printing a range of continuous photo frames, specify the number of the last photo. For specified frame printing, specify the number of the photo to be printed.

B) Media Type
Specify the type of media you plan to use.

C) Layout
Specify the number of photos to be printed on one sheet.

D) Quality
Specify the print quality.

E) Print Date
Specify whether you wish to print the date when the photo was taken.

F) Optimize Image
Specify whether the photo is to be adjusted or corrected before printing.

G) Required Sheets
The number of sheets required for printing is displayed. During maintenance, the step number is displayed. If an error occurs, the error number is displayed.

H) First/-Order-
When printing a range of continuous photo frames, specify the number of the first photo. (When printing only one frame, specify the number of photo to be printed.) For specified frame printing, the specified number (printing order) is displayed.

I) Cursor buttons
Press these buttons when setting various items.

J) Print button
Press this button to start printing or to apply the maintenance setting.

K) Cursor
The cursor's position indicates which setting will be changed.

L) Copies
Specify the number of copies to be printed.

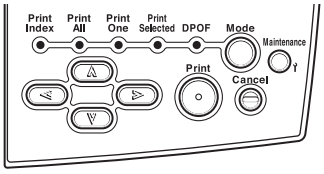
M) Mode button
Press this button to switch the print mode. See "Printing Photos" on page 27.

N) Maintenance button
Press this button to perform printer maintenance operations, such as print head cleaning. See "Maintenance Procedures for Direct Printing" on page 32.

O) Cancel button
Press this button to stop printing or to stop maintenance.

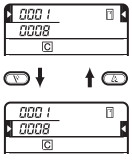
Operating the Cursor Buttons

Use the Cursor buttons to move between items on the Operation Panel.



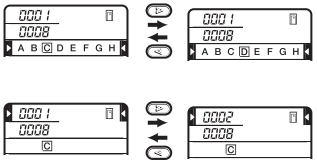
To move between items:

To move the ▮▮ (cursor), press the ▲ (up) and ▼ (down) buttons.



To change a setting:

To change the photo number or a setting, press the ◀ (left) and ▶ (right) buttons. The ◀ (left) button decreases the photo number; the ▶ (right) button increases the photo number.



Using a Memory Card

This section describes how to insert a memory card and print photos directly from the memory card. To use a digital camera, see “Using a Digital Camera” on page 26 or refer to the *Bubble Jet Direct Reference Manual*.

Supported memory cards:

- CompactFlash™ (Use the PC card adapter that comes with this printer)
- SmartMedia™
- Memory Stick™
- Secure Digital™ (SD) Card
- MultiMedia™ Card
- Microdrive™
- Flash ATA card PCMCIA Type (II)

Keep the following tips in mind:

- Format the memory card using your digital camera. This printer does not support the computer’s unique format.
- Photos that have been edited with the computer may not print properly.
- Use a PC card adapter that is recommended by the memory card you use.
- Photos stored in memory cards that are not supported by the printer cannot be read.

Note

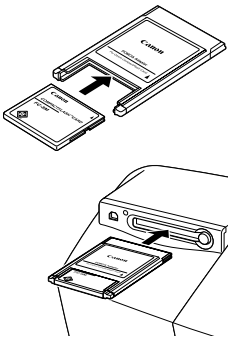
A Canon adapter for the CompactFlash card is included. Other memory cards may require purchase of a different PCMCIA adapter.

To use a memory card:

Note

The following procedure is different if you are using a memory card when the printer is connected to the computer. See the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM.

1. Turn on the printer.
2. Insert the memory card into the PC card adapter.
3. Insert the PC card adapter into the card slot all the way. The indicator lamp will light and the mark will display. If 'AT' is displayed on the panel, it indicates that images will be corrected automatically when you're printing data in formats supporting Exif 2.2 (Exif Print).



Note

If you use your computer to modify content on the memory card, make sure to print from the computer.

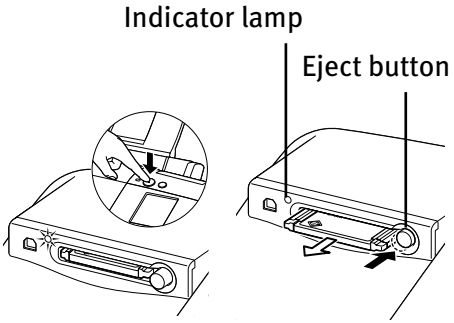
To eject the memory card:

1. Make sure the indicator lamp is not blinking.

Important

If you remove the memory card or switch off the power to the printer while the indicator lamp is blinking, the data of the memory card may be destroyed.

2. Press the printer **POWER** button to turn off the printer.
3. Check that the indicator lamp is off, and press the **Eject** button.
4. Pull out the PC card adapter.



Using a Digital Camera

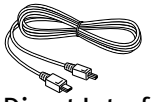
You can print photos directly by connecting a compatible Canon digital camera that has a direct printing function. If you connect the digital camera with a provided direct interface cable, perform the print operations from the digital camera. For more information, refer to the *Bubble Jet Direct Reference Guide*.

Supported Media Types for Digital Cameras

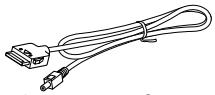
Paper Type	Digital Camera Setting
Photo Paper Pro (4" x 6")	Card #1
Photo Paper Plus Glossy (4" x 6")	Card #2
Photo Paper Pro Perforated (4" x 6")	Card #3
Photo Paper Pro Letter	LTR
Photo Paper Pro A4	A4

To use a digital camera:

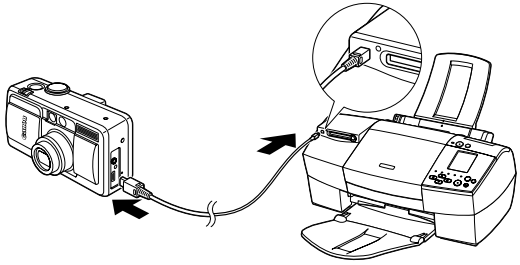
1. Turn on the printer.
2. Connect the digital camera to the printer using either of the cables that come with the printer. (To determine which cable to use with your camera, see the *Bubble Jet Direct Reference Guide*.)



Direct Interface Cable DIF-B100

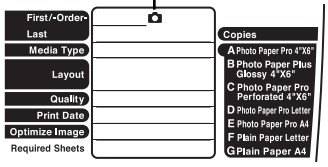


Direct Interface Cable DIF-B250



3. Turn on the digital camera.

Camera mark



4. The (camera) mark appears.

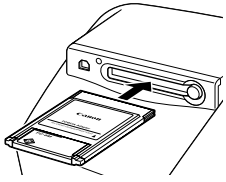
Note

- The setting for communicating with this printer differs depending on the camera that you use. Refer to the instructions that come with the digital camera or the *Bubble Jet Direct Reference Guide*.
- When printing photos from the digital camera, you will not be able to use the Operation Panel. For instructions on printing photos from the digital camera, see the *Bubble Jet Direct Reference Guide*.
- To remove the digital camera cable, disconnect the cable on the printer side and turn off the digital camera.

Printing Photos

When printing without a computer, you can select from five modes: Index, All Frames, Single Frame, Specified Frame and DPOF.

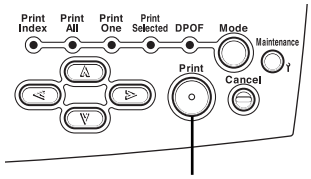
To print photos:



1. Insert the memory card.
2. Press the **Mode** button, and select one of the following printing methods:

- **Index**: Prints a list of the photos and photo numbers (shown to the right) stored on the memory card.
- **All Frames**: Prints all photos found on the memory card. You can also specify a range to print only some of the photos.
- **Single Frame**: Allows you to select and print a single photo from the memory card.
- **Specified Frame**: Allows you to specify up to 99 photos to be printed in one batch.
- **DPOF**: If Digital Print Order Format (DPOF) settings are specified in the digital camera, the printing begins automatically according to the specified settings.

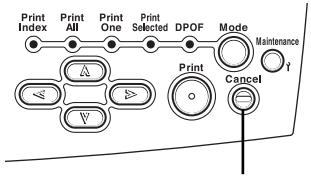
3. Set the paper type and the layout. See “Print Options” on page 28.
4. Load paper into the printer, and press the **Print** button.



Print button

To stop printing:

- Press the **Cancel** button on the Operation Panel.



Cancel button

Print Options

After you’ve selected the printing mode, you can set the type of paper and layout to be used in printing, the number of print copies, photo correction, quality and dated printing.

Setting the Number of Copies

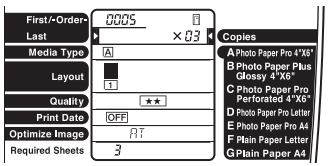
Use this setting to choose the number of copies to print in Single Frame mode.

Note

- Copies cannot be set in Index, All Frames, or Specified Frame mode.
- For DPOF mode, set Copies from the digital camera.
- Copies allows you to specify the number of copies for one photo. The number of required sheets differs depending on the setting in Layout. For example, if eight copies in Copies and four patterns in one sheet in Layout are specified, two sheets are needed to print.

To set single frame mode:

1. Move the ▪▪ (cursor) to **Copies** by pressing the ▲ (up) or ▼ (down) button.
2. Set the number of copies (up to 99) by pressing the ◀ (left) or ▶ (right) button.



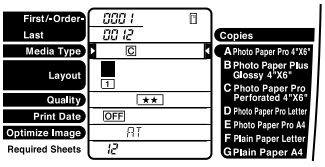
Setting the Media Type

You can select from the following media:

Operation Panel Display	Media Name and Size
[A]	Photo Paper Pro 4" x 6"
[B]	Photo Paper Plus Glossy 4" x 6"
[C]	Photo Paper Pro Perforated 4" x 6"
[D]	Photo Paper Pro Letter
[E]	Photo Paper Pro A4
[F]	Plain Paper Letter
[G]	Plain Paper A4

To set the media type:

1. Press the **Mode** button to select the desired print mode.
2. Move the ▪▪ (cursor) to **Media Type** by pressing the △ (up) or ▽ (down) button.
3. Select the media type by pressing the ◁ (left) or ▷ (right) button.



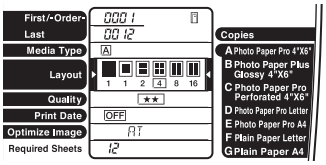
Setting the Print Layout

You can set the number of photos (layout) to be printed on one sheet of paper.

Note

- In Index mode, Layout cannot be set.
- In Single Frame mode, the same photo is lined up in the specified layout and printed.
- In All Frames, Specified Frame and DPOF mode, the sections containing no photos are left blank.

To set the print layout:



1. Press the **Mode** button to select the desired print mode.
2. Move the ◆◆ (cursor) to **Layout** by pressing the ▲ (up) or ▼ (down) button.
3. Select the layout by pressing the ◀ (left) or ▶ (right) button.
   - Select ■ to print a borderless photo.
   - Select ▣ to print a bordered photo.

Setting the Print Quality

You can set the print quality to be high or low.

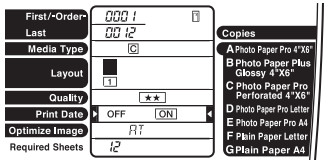
To set the print quality:

1. Press the **Mode** button to select the desired print mode.
2. Move the ◆◆ (cursor) to **Quality** by pressing the ▲ (up) or ▼ (down) button.
3. Select the quality by pressing the ◀ (left) or ▶ (right) button.
   - When the number of stars (★ ★ ★) is high, the photos will be printed with optimal quality.
   - When the number of stars (★) is low, the photos will be printed quickly.

Printing the Date on Photos

You can print the date of when the photo was taken.

To print the date:



1. Press the **Mode** button to select the desired print mode.
2. Move the ◆◆ (cursor) to **Print Date** by pressing the ▲ (up) or ▼ (down) button.
3. Select **OFF** (disable)/**ON** (enable) for date printing by pressing the ◀ (left) or ▶ (right) button.

Adjusting Photos

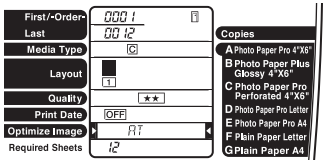
This function automatically corrects photos before printing them.

Note

- If you're printing images that support the Exif 2.2 standard, the images will be corrected automatically.
- When image correction is performed, printing may take longer.
- Results may vary depending on the photo.

To adjust photos:

1. Press the **Mode** button to select the desired print mode.
2. Move the ▪▪ (cursor) to **Optimize Image** by pressing the ▲ (up) or ▼ (down) button.
3. Select **OFF** (disable)/**ON** (enable) for image correction by pressing the ◀ (left) or ▶ (right) button.



Advanced Photo Adjusting

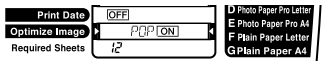
For more detailed photo correction, two functions are performed:

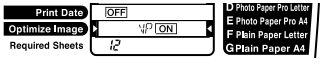
- A correction for color fogginess and exposure (Photo Optimizer PRO).
- A correction for reproducing vivid colors (Vivid Photo).

To set only one correction function, follow the procedure below.

To do more detailed photo adjusting:

1. Repeatedly press the ▶ (right) button until you see **ON** next to **Optimize Image**.
2. Do one of the following:
   - To use only the Photo Optimizer PRO function, repeatedly press the ▶ (right) button until you see **POP[ON]** next to **Optimize Image.**
   - To use only the Vivid Photo function, repeatedly press the ▶ (right) button until you see **VP[ON]** next to **Optimize Image**.





Maintenance Procedures for Direct Printing

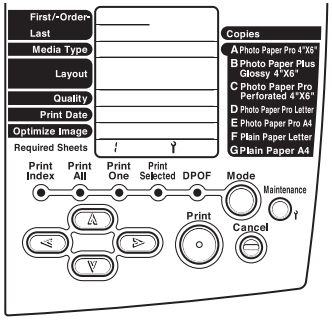
Printing a Nozzle Check Pattern

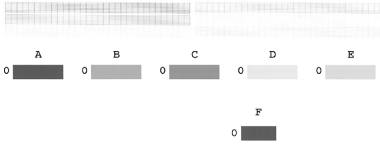
You can print a nozzle check pattern by pressing the **RESUME/CANCEL** button of the printer.

1. Make sure the printer is on.
2. Load letter size paper.
3. Keep the **RESUME/CANCEL** button pressed down, and release it when the power lamp blinks twice.

To print a nozzle check pattern:

1. Make sure the printer is on.
2. Load letter size paper.
3. Press the **Maintenance** button. The icon appears in Required Sheets.
4. Press the (right) button once. The icon appears.
5. Press the **Print** button. Nozzle check pattern is printed. When printing ends, the icon appears.
6. Press the **Maintenance** button to exit.
7. Compare the nozzle check patterns.
   - If the lines in the first pattern are broken, the print head must be cleaned. See “Cleaning the Print Head” on page 33.
   - If the vertical lines in the second pattern stand out, the print head position must be aligned. See “Aligning the Print Head” on page 41.

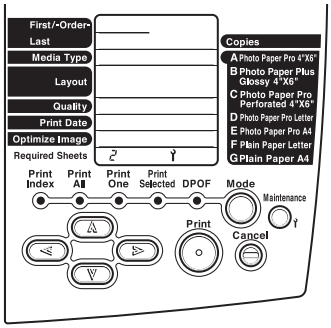




Cleaning the Print Head

You can perform print head cleaning by making sure the printer is on, then keeping the **RESUME/CANCEL** button pressed down. Release it when the power lamp blinks once.

To clean the print head from the Operation Panel:

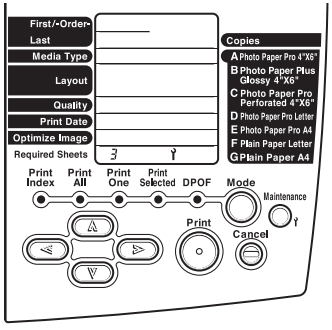


1. Press the **Maintenance** button. The icon appears in Required Sheets.
2. Press the (right) button twice. The icon is displayed.
3. Press the **Print** button. Print head cleaning starts. When cleaning ends, the icon appears.
4. Press the **Maintenance** button to exit.
5. Print a nozzle check pattern, and make sure the pattern prints correctly. See “Printing a Nozzle Check Pattern” on page 32.
   - If there is no improvement, repeat head cleaning up to three times.
   - If there is still no improvement, perform head refreshing. See “Refreshing the Print Head” on page 33.

Refreshing the Print Head

If print head cleaning is not effective, perform print head refreshing, which is a stronger cleaning process. Perform this operation only when necessary.

To refresh the print head:



1. Press the **Maintenance** button. The icon appears in Required Sheets.
2. Press the (right) button three times. The icon appears.
3. Press the **Print** button. Print head refreshing starts. When refreshing is completed, the icon is displayed.
4. Press the **Maintenance** button to exit.
5. Print a nozzle check pattern, and make sure the pattern prints correctly. See “Printing a Nozzle Check Pattern” on page 32.

Using the Memory Card Utility

You'll need your computer to use the Memory Card Utility. Use this utility to change the settings when you insert a memory card or to change the read/write mode of the card slot.

Normally, the Memory Card Utility starts automatically when you insert a memory card. To start it manually, follow the instructions below.

Note

If you eject a memory card while the access lamp is on or blinking, the memory card may not operate properly.

Always use the Memory Card Utility to eject a memory card.

Before you eject a memory card, be sure to discard the BJ Utility icon into the Trash.

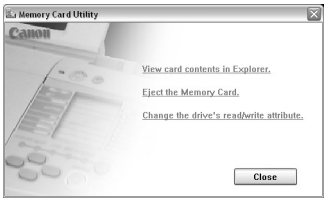
Important

When you select **Change the drive's read/write attribute** and set the **Read/Write-Enabled Mode**, note the following points:

- Change the write protection of the memory card to write-enabled mode before inserting the memory card. If you insert a write-protected card, the computer may not operate normally.
- If you change the contents of a memory card, you must format the memory card with a digital camera, otherwise you may not be able to take photographs. This printer supports only the format used by the digital camera.
- If you change or manipulate the contents of a memory card from a computer, be sure to print the contents from the computer. If you print the contents from the Operation Panel, the information may not print properly.

To use the Memory Card Utility in Windows:

Double-click the icon on the right side of the task bar. The Memory Card Utility will appear, allowing you to select among these options:



View card contents in Explorer: Displays a list of the files stored on the memory card within Windows Explorer.

Eject the Memory Card: When selected, the indicator lamp starts blinking, a message will appear, and the printer gets ready for memory card ejection. When the indicator lamp goes off, press the **Eject** button and remove the memory card.

Change the drive's read/write attribute: Displays the USB Memory Card Settings dialog box where you can change the mode (Read-only mode, or Read/write mode) of the card slot by following the on-screen instructions. By default, the mode is set to Read-only. Be sure to remove the memory card before changing the mode by using **Eject the Memory Card**.

Close: Closes the Memory Card Utility.

The following additional options appear on all Windows operating systems except Windows XP:

Start an application: Starts an application. Depending on the application, the contents of the memory card may be displayed.

Auto-start an application when a card is inserted/Do nothing when a card is inserted: Determines whether an application will start each time the memory card is inserted.

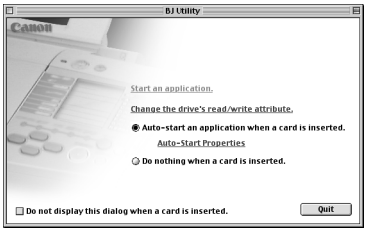
Note

You can set the application to be started in advance with the **Auto-Start Properties** function.

Do not display this dialog when a card is inserted: When this checkbox is selected, this screen is not displayed even when a memory card is inserted.

To use the Memory Card Utility in Mac OS:

In the **Apple** menu, select **BJ Utility**. The BJ Utility will appear, allowing you to select among these options:



Start an application: Starts an application. Depending on the application, the contents of the memory card may be displayed.

Change the drive's read/write attribute: Displays the Drive Settings dialog box where you can change the mode (Read-only mode or Read/write mode) of the card slot by following the on-screen instructions. By default, the mode is set to Read-only. Be sure to eject the memory card before you change the mode.

Auto-start an application when a card is inserted/Do nothing when a card is inserted: Determines whether an application will start each time the memory card is inserted.

Note

You can set the application to be started in advance with the **Auto-Start Properties** function.

Do not display this dialog when a card is inserted: When this checkbox is selected, this screen is not displayed even when a memory card is inserted.

Quit: Closes the Memory Card Utility.

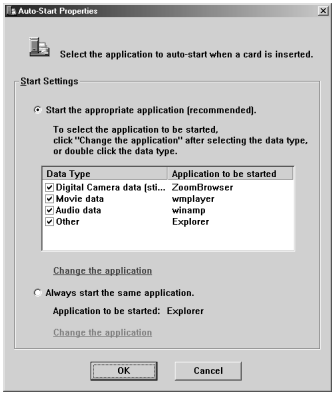
Setting the Application to be Started

Note — This section applies to all versions of the Windows operating system except Windows XP.

Set the application to be started whenever a memory card is inserted or **Start an application** is clicked.

To set the application to be started in Windows:

1. Open the Memory Card Startup Utility, and then click **Auto-Start Properties**. The Auto-Start Properties dialog box will appear.



2. Specify **Start Settings**:

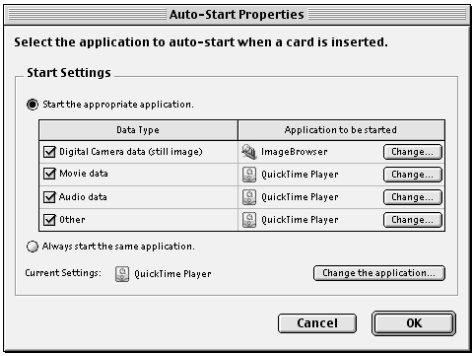
   - **Start the appropriate application [recommended]:** When you select this option, the system automatically identifies the type of data stored in the memory card and starts the appropriate application. When this option is not selected, the specified application is not started even if the memory card contains that type of data.
   - **Always start the same application:** When you select this option, the system always starts same application regardless of the type of data stored on the memory card.

   Note — To change the application to be started, click the **Change the application** button in the Auto-Start Properties dialog box, and select the application to be started.

3. Click **OK**.

To set the application to be started in Mac OS:

1. Open the BJ Utility, and click **Auto-start Properties**. The Auto-Start Properties dialog box will appear.
2. Specify **Start Settings**:



   - **Start the appropriate application:** When you select this option, the system automatically identifies the type of data stored in the memory card and starts the appropriate application.
   - **Always start the same application:** When you select this option, the system always starts same application regardless of the type of data stored on the memory card.

Note

To change the application to be started, click **Change the application** in the Auto-Start Properties dialog box, and select the application to be started.

3. Click **OK**.

Chapter 4: Printing Maintenance

This chapter provides information on how to care for the ink delivery system for your Canon S830D Photo Printer. The following topics are addressed:

- Monitoring Ink Levels
- Replacing Ink Tanks
- Aligning the Print Head
- Printing a Nozzle Check Pattern
- Cleaning the Print Head

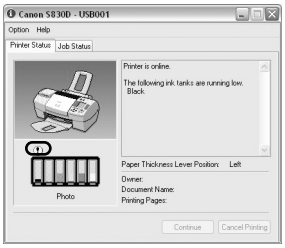
Monitoring Ink Levels

The print driver allows you to monitor the level of ink in each ink tank.

To monitor ink levels in Windows:

1. Click **Start**, then:
   - **Windows XP:** Select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.
   - **Other Windows versions:** Select **Settings**, then **Printers**.
2. Right-click the **Canon S830D** icon, then select **Properties**.

3. Select the **Maintenance** tab, then click **Start Status Monitor**. The BJ Status Monitor window will appear.

   The ink panel displays the ink levels for each tank.

   The following icons appear when an ink tank is low or has run out of ink:

   ⓘ **Ink low.** Replace ink tank as soon as possible.

   ⊗ **Ink out.** Replace ink tank immediately.

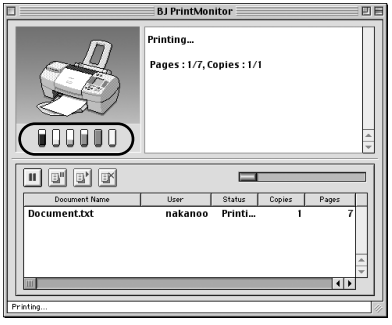
4. Click the close box on the top right of the window to close the BJ Status Monitor, then click **OK** to close the Properties dialog box.

Mac

To monitor ink levels in Mac OS:

While you're printing, the BJ Print Monitor can display ink levels, indicating when they are running low. You must enable background printing to use the BJ Print Monitor.

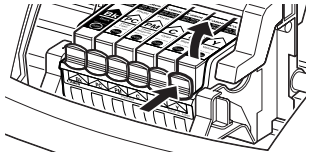
1. Select **Chooser** from the **Apple** menu.
2. Click the **S830D printer icon** and click the **Backgrounding** button to the **On** position.
3. Close the Chooser.
4. After starting a print job, select **BJ Print Monitor** in the **Application** menu. The BJ Print Monitor opens. Here you can see printer status and ink status with images.



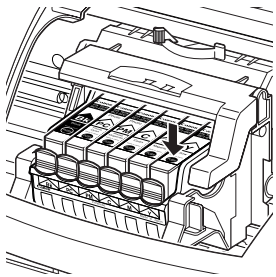
Replacing Ink Tanks

Follow these steps to replace an empty ink tank.

1. Turn on the printer, then open the front cover. The print head holder will automatically move to the center.
2. Press the tab on the front of the ink tank, then remove and discard the empty tank.
3. Remove the new ink tank from its package. Pull the orange tape up, remove the wrapper and twist off the orange protective cap.



Caution To avoid spilling ink, never press on the sides of an ink tank.



4. Holding the new ink tank at a slight angle, align it with the correct color slot, then gently insert it.

Caution Do not force an ink tank into the print head. If the ink tank does not go in smoothly, realign it and try again until it does.

5. Press down on the ink tank until it clicks into place.
6. Close the front cover.

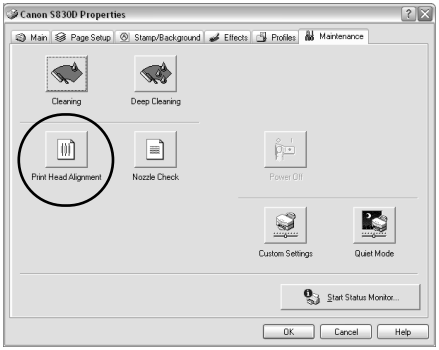
Aligning the Print Head

Before using the printer, align the print head to ensure the best quality printing.

To align the print head in Windows:

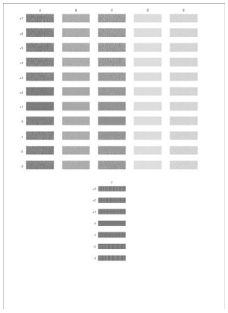
1. Make sure the printer is on and paper is loaded.
2. Click **Start**, then:
   - **Windows XP:** Select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.
   - **Other Windows versions:** Select **Settings**, then **Printers**.
3. Right-click the **Canon S830D** printer icon, then select **Properties**.

4. From the **Maintenance** tab, click the **Print Head Alignment** button.
5. When prompted to print an alignment test page, click **OK.**

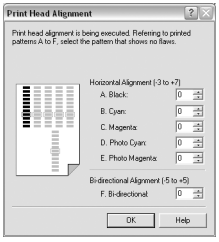


6. If the pattern printed successfully, click **Yes.**
7. Compare the different patterns for each color on the printout.

   Notice that most patterns have vertical lines, but some in the middle look smooth and uniform.



8. For each color on the test printout, enter the number in the Print Head Alignment dialog box that corresponds with the smoothest looking test pattern.
9. When finished, click **OK**.

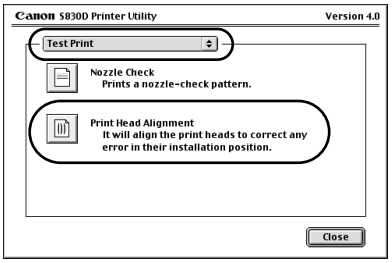


Mac

To align the print head in Mac OS:

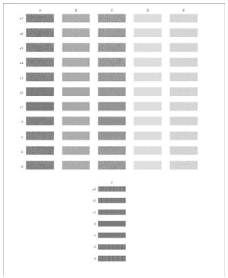
1. Make sure the printer is on and paper is loaded.
2. From the **File** menu in a software application, click **Page Setup**.
3. Click the **Utilities** button.

4. Select **Test Print** from the pull-down menu, and click the **Print Head Alignment** button.
5. When prompted to print an alignment test page, click **OK.**

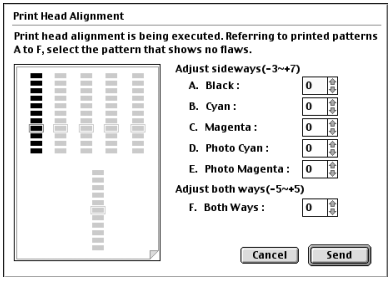


6. Compare the different patterns for each color on the printout.

   Notice that most patterns have vertical lines, but some in the middle look smooth and uniform.



7. For each color on the test printout, enter the number in the Print Head Alignment dialog box that corresponds with the smoothest looking test pattern.
8. When finished, click **Send**.



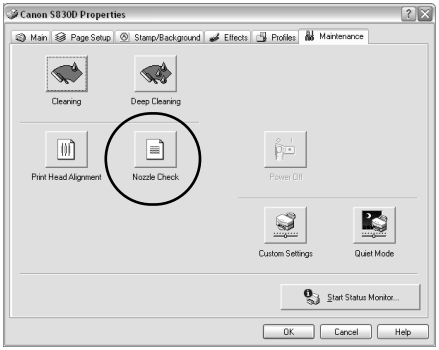
Printing a Nozzle Check Pattern

The contact area of the print head that discharges ink contains nozzles, tiny openings from which the ink is sprayed. You may see faded or streaked colors and text in your printed output if the nozzles are clogged or the print head is not aligned. You can check for these problems by printing a nozzle check pattern.

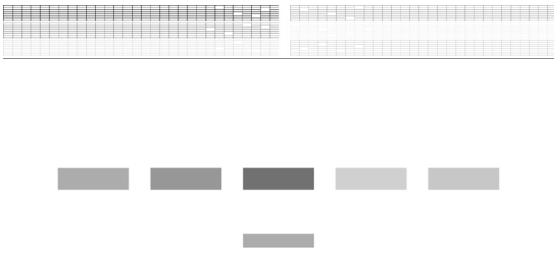
To print a nozzle check pattern in Windows:

1. Make sure the printer is turned on.
2. Click **Start**, then:
   - **Windows XP:** Select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.
   - **Other Windows versions:** Select **Settings**, then **Printers**.

3. Right-click the **Canon S830D** printer icon and select **Properties**.
4. Click the **Maintenance** tab, then click the **Nozzle Check** button.
5. Read the messages, then click **OK**. The nozzle test pattern will print.

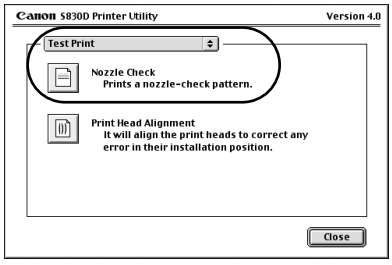


6. Check the nozzle check pattern.
   - If the lines in the first pattern are broken, the print head must be cleaned. See “Cleaning the Print Head” on page 45.
   - If the vertical lines in the second pattern stand out, the print head position must be adjusted. See “Aligning the Print Head” on page 41.



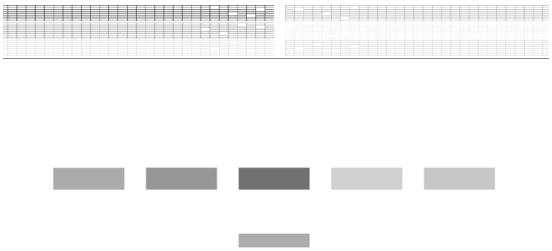
To print a nozzle check pattern in Mac OS:

1. Make sure the printer is on.
2. In a software application, click **File**, then **Page Setup.**
3. Click **Utilities**. The Canon S830D Printer Utility dialog box will display.
4. Select **Test Print** from the drop-down list. The test print options will display.
5. Click the **Nozzle Check** button. Read the messages, then click **OK**. The nozzle test pattern will print.



6. Check the nozzle check pattern. If the lines in the first pattern are broken, the print head must be cleaned. See “Cleaning the Print Head” for instructions.

   If the vertical lines in the second pattern stand out, the print head position must be adjusted. See “Aligning the Print Head” on page 41 for instructions.



Cleaning the Print Head

If your printed output appears faded, streaked or scratchy, the print heads may need to be cleaned. See the *S830D User’s Guide* on the Setup Software & User’s Guide CD-ROM for additional corrective actions.

Note Print head cleaning consumes ink. Avoid unnecessary cleaning.

To clean the print head in Windows:

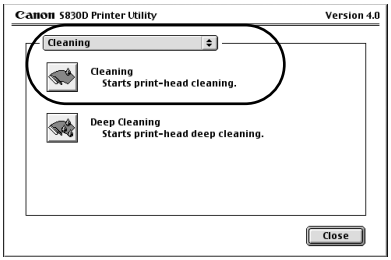
1. Make sure the printer is turned on.
2. Click **Start**, then:
   - **Windows XP:** Select **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**.
   - **Other Windows versions:** Select **Settings**, then **Printers**.
3. Right-click the **Canon S830D** printer icon, then select **Properties**.
4. Click the **Maintenance** tab, then click the **Cleaning** button.
5. Click **OK**.

   The POWER lamp on the printer flashes green during the cleaning process.

6. Print a nozzle check pattern to check the results of the print head cleaning. See “Printing a Nozzle Check Pattern” on page 43 for instructions.
7. If there is no change after cleaning, check the amount of ink remaining. If an ink tank is empty, replace it. See “Monitoring Ink Levels” on page 39 for instructions on how to check ink tank levels.

To clean the print head in Mac OS:

1. Make sure the printer is on.
2. In a software application, click **File**, then **Page Setup**.
3. Click **Utilities**. The Canon S830D Printer Utility dialog box will display.
4. Select **Cleaning** from the drop-down list. The cleaning options will display.
5. Click the **Cleaning** icon.
6. Read the message, then click **OK**.
7. Print a nozzle check pattern to check the results of the print head cleaning. See “Printing a Nozzle Check Pattern” on page 43 for instructions.



Chapter 5: Using Your Photo Applications

Several photo applications come with your Canon S830D that make it easy to organize, view, manipulate and print color photographs.

- **Easy-PhotoPrint** for Windows, which supports Exif 2.2, the new worldwide standard for digital images, can be used to select, trim and lay out your photos before printing. Easy-PhotoPrint can be used as a stand-alone application, or with **ZoomBrowser EX** version 3.3 or later.
- A browser (**ZoomBrowser EX** for Windows and **ImageBrowser** for Mac OS) provides easy viewing of photos and other images stored on your computer.
- **PhotoRecord** for Windows can be used to compile digital photos or images into “album” layouts, or place multiple images on a single sheet for printing. From PhotoRecord, you can also make high-quality color prints on Canon specialty paper.
- **PhotoStitch** helps you to “stitch” together different parts of a single photo or combine multiple related photos into a panoramic or fully assembled view.

This chapter provides a brief overview of the basic features available with these applications, as well as procedures for printing on Canon Photo Paper Pro for Borderless Printing 4" x 6" paper.

What is Exif Print?

The Canon S830D Photo Printer supports Exif 2.2, the new worldwide standard for digital images. Canon is the first to implement this new standard in printers.

When taking a photograph using an Exif 2.2 (Exchangeable Image File Format)-compatible camera, additional information, including the camera exposure and color settings, is automatically recorded in the photograph’s digital file. When you print these Exif Print-enhanced digital images on your Canon S830D Photo Printer using the Easy-PhotoPrint software, they are optimized with more colors, resulting in vibrant, true-to-life photographs.

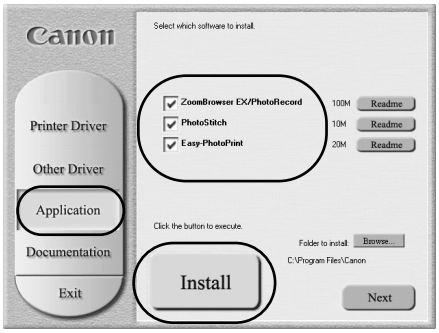
Installing the Photo Applications

To install Easy-PhotoPrint, ZoomBrowser EX, PhotoRecord and PhotoStitch in Windows:

1. Close any open applications.
2. Insert the Setup Software & User's Guide CD-ROM in the CD-ROM drive. The installation screen will appear.

> **Note** If the setup program does not run automatically, click **Cancel**, then **Exit**. Then, from your program start menu, click **Start**, then **Run**, then type **D:\setup.exe**, where **D** is your CD-ROM drive.

3. From the installation main menu, click **Application**. The photo application software options panel will appear.
4. Make sure all the installation options are selected, then click **Install**.
5. Follow the on-screen instructions.
6. When the Terminate Installation dialog box appears, click **OK**.
7. Restart your computer. The utilities will not be fully functional until your computer has been restarted.



To install ImageBrowser and PhotoStitch in Mac OS:

1. Close any open applications.
2. Insert the Setup Software & User's Guide CD-ROM in the CD-ROM drive. Double-click the **CANON_BJ** icon on your desktop, then double-click the **Application** folder.
3. Double-click the folder for the software you wish to install, then double-click the **Installer** icon.
4. Read the License Agreement and click **Agree**.
5. Click **Install**. The Destination Folder dialog box will appear.
6. Select the destination folder, click **Start**, then follow the on-screen instructions.
7. When the Installation Has Finished dialog box appears, click **OK**.
8. Restart your computer. The utilities will not be fully functional until your computer has been restarted.

Using the Photo Applications

Viewing Images with Easy-PhotoPrint, ZoomBrowser EX and ImageBrowser

You can use ZoomBrowser EX (Windows) or ImageBrowser (Mac OS) to view or organize digital images stored on your computer, or to view and copy from other sources, such as digital cameras, scanners, Zip® disks or CD-ROMs.

With Easy-PhotoPrint (Windows) you can make high-quality photo-size or index printouts of your digital pictures.

To open Easy-PhotoPrint directly:

To open Easy-PhotoPrint, click **Start**, then **All Programs**, then **Canon Utilities**. From the Canon Utilities menu, click **Easy-PhotoPrint**, then **Easy-PhotoPrint**.

To open Easy-PhotoPrint from ZoomBrowser EX:

1. In ZoomBrowser EX, select the image you want to print.
2. From the File menu, click **Print**, then **Easy-PhotoPrint**.

Note Easy-PhotoPrint is accessible with ZoomBrowser EX version 3.3 or later.

To open ZoomBrowser EX in Windows:

1. Make sure the images you want to view are on your hard drive or other accessible media.
2. Double-click the **Canon ZoomBrowser EX** icon on the desktop.
3. From this window, you can:

   Navigate through available files from the panel on the left.

   View thumbnail images in a folder in the panel on the right.

   Organize or delete files.

For a full description of all features and options available, press **F1** to view the online help, or consult the *Photo Application Guide* on your CD-ROM.

Mac

To open ImageBrowser in Mac OS:

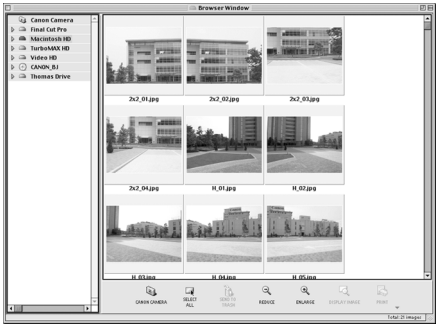
1. Make sure the images you want to view are on your hard drive or other accessible media.
2. Double-click the **Canon ImageBrowser**

icon on the desktop.
3. From this window you can:

   Navigate through available files from the panel on the left.

   View thumbnail images in a folder in the panel on the right.

   Organize or delete files.



For a full description of all features and options available, use Mac Balloon help, or consult the *Photo Application Guide* on your CD-ROM.

Using Easy-PhotoPrint for Windows

Easy-PhotoPrint is a software application that lets you lay out and trim your photo-size or index pictures with the click of a mouse. With Easy-PhotoPrint, you can specify different paper type settings for different printouts. When your photo layout is complete, you can print and display your high-quality photos.

To use Easy-PhotoPrint:

1. Select the image you want to print either by navigating to the folder where your photos are stored or by selecting it directly from ZoomBrowser EX.

   Note: When Easy-PhotoPrint is started through ZoomBrowser EX, the folder navigation window will not display.

2. Click the thumbnail for the image you want to print. The and buttons below the thumbnail will become active. Using these buttons, you can increase or decrease the number of copies to be printed.
3. Click the **Paper Selection** tab, then select **Canon S830D** from the drop-down menu.
4. Select the **Paper Size** and **Media Type** you will be using.

   Note: With your S830D printer, once a paper type is selected, the Vivid Photo function becomes active. Select the **Vivid Photo** checkbox for more vibrant photos.

5. Click the **Layout**/**Print** tab and select a layout. Layout options are limited by paper type and paper size.

   Note: Above the image, you see four buttons. You can:

   - Date stamp your image by clicking the **Date** button.
   - Rotate your image 90 degrees clockwise or counterclockwise by clicking the **Rotate Right** and **Rotate Left** buttons
   - Trim the edges of your image by clicking the **Trimming** button.

6. When done, click **Print**.

To trim an image using Easy-PhotoPrint:

1. Select the image you want to trim.
2. Click **Trimming**. The image will preview.
3. Adjust the position of the cropping area around the image.
4. When satisfied, click **OK**.

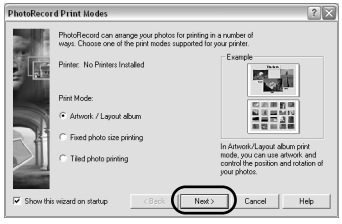
Using PhotoRecord for Windows

PhotoRecord is a software application that lets you create fun and unique photo albums with the click of your mouse. You can import your photos or graphics from your hard disk, digital camera or scanner, then, using the “drag and drop” feature, you can arrange your album layout. You can rotate your pictures, add captions, change page backgrounds or add a frame around each picture.

To use PhotoRecord:

1. Click **Start**, then **All Programs**, then **Canon PhotoRecord**, then **PhotoRecord**.
2. By default, the **PhotoRecord Print Modes** wizard will appear.

   You can use this wizard to select your settings, or you can cancel the wizard.



3. Click **File**, then click **Fetch Photos**.

Note

You can also use the **Fetch Photos** feature on the **Album Control Panel**.

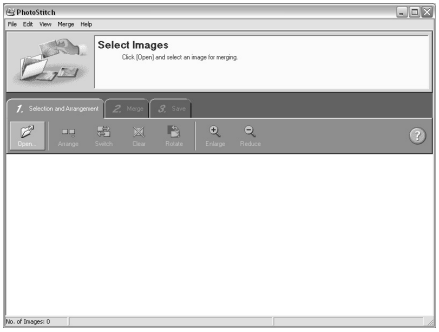
4. Navigate to the folder where your photos are stored and select the photos you want to place into your album. Click **Open**.
5. Arrange the photos as you would like them, or let the automatic layout feature do it for you.
6. When you are ready to print, click **Print** on the **Album Control Panel**.

Merging Multiple Images with PhotoStitch

With PhotoStitch, you can merge images in horizontal or vertical sequences, or "stitch" together digital photos or image documents that have been shot or scanned in sections. You can also use PhotoStitch to assemble a series of overlapping images into a seamless panoramic view.

To merge images in Windows:

1. Make sure the images you want to view are on your hard drive or other accessible media.
2. Click **Start**, then **All Programs**, then **Canon Utilities**. Click **PhotoStitch 3.1** from the Utilities menu, then click **PhotoStitch** from the final menu. The PhotoStitch Launcher will appear.
3. From this window, click the **PhotoStitch 3.1 Merge Images** icon. The main window will appear.
4. Follow the on-screen instructions to open files, and to arrange, stitch, rotate, enlarge or reduce your images.
5. Once an image is saved, you can preview and/or print it.

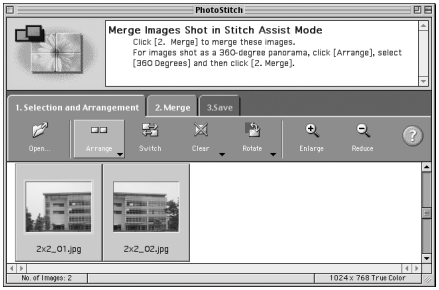


For a full description of all features and options available, click the icon to view the online help, or consult the *Photo Application Guide* on your CD-ROM.

To merge images in Mac OS:

1. Make sure the images you want to view are on your hard drive or other accessible media.
2. From within the ImageBrowser window (see "To open ImageBrowser in Mac OS" on page 50), select one or more images. The images will highlight.

3. From the **Edit** menu, click **PhotoStitch**. The PhotoStitch utility will appear.
4. Follow the on-screen instructions to arrange, stitch, rotate, enlarge or reduce your image.
5. Once an image is saved, you can preview and/or print it.



For a full description of all features and options available, click the ? icon to view the online help, or consult the *Photo Application Guide* on your CD-ROM.

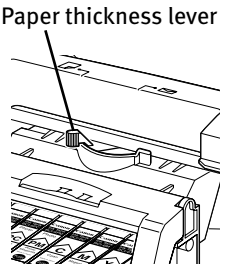
Printing on Canon Photo Paper Pro for Borderless Printing 4" x 6"

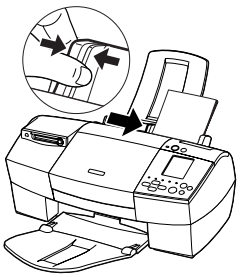
Included with your S830D is the Canon Photo Paper Pro for Borderless Printing 4" x 6" media. This paper is designed to let you print images that cover the entire surface of the card without a white border.

This media is intended for use with Easy-PhotoPrint for Windows, PhotoRecord for Windows, version 1.2 or later, or ImageBrowser for Mac OS, version 1.4 or later.

To load Photo Paper Pro for Borderless Printing 4" x 6":

1. Set the paper thickness lever to the left.
2. Slide the paper guide completely to the left.
3. With the glossy side facing up, insert a sheet of borderless paper into the paper rest.
4. Slide the paper guide right to the edge of the paper.





Note

You can load up to 20 sheets of Canon Photo Paper Pro for Borderless Printing 4" x 6" at a time.

To print with borderless paper for Windows:

1. Follow the procedures above to load the borderless paper.
2. From ZoomBrowser EX, select the photo to be printed. To print images using Easy-PhotoPrint for Windows, see “To Use Easy-PhotoPrint” on page 51.
3. Click **Print**, then click **Layout**. The PhotoRecord Print Modes wizard will appear.
4. Select the desired printer, then select **Borderless printing (Tiled photo)** from the Print Mode options.

Note

The **Borderless printing (Tiled photo)** checkbox is available only when you are using a printer which supports this feature.

5. Click **Next**.
6. Specify **Media Type**, **Paper Size** and **Orientation**. The Preview area will show the print image in relation to the paper.
7. Click **Set Page Margins** to widen or narrow the printing area, then click **OK**, then **Next**.
8. Specify the number of photo tiles you want to place in a single page. Select **1 (1 row)** when printing a photo with no margins. If you select the **Automatic**

clipping checkbox, PhotoRecord automatically resizes and clips the photos to fit the specified photo size.

9. Click **Finish**. The photo will be automatically positioned to fit the paper settings. Click **Print** to start printing.

Note

In PhotoRecord, page backgrounds and photo frames are not available when using the Borderless print (Tiled photo) mode. However, you can add text blocks, clip your photos (with some limitations), or specify print quality and number of copies to print. You cannot resize your photos or modify the layout.

Mac

To print with borderless paper in Mac OS:

Note

This section is for Mac OS 8.6 – 9.x operating systems only.

1. Follow the procedures above to load the borderless paper on page 55.
2. From ImageBrowser, select the photo to be printed. Locate the Print button along the bottom and click **Print**.
3. Select **Layout printing**. The Layout Options wizard will appear.
4. Select **Tiled photo printing**, then click **Next**.
5. Click **Page setup**. The Page Setup dialog box will appear.
6. Click **Borderless Printing**, then select **4 x 6** or **Letter** under **Paper Size**. Choose your **Orientation** and click **OK**.
7. When the "You selected Borderless Printing" dialog box appears, click **OK**.
8. Specify the number of images you want to place in a single page. Select **1(1x1)** when printing a photo with no margins. If you select the **Automatic Clipping** checkbox, ImageBrowser automatically resizes and clips the photos to fit the specified photo size.
9. Click **OK**. The photo will be automatically positioned to fit the paper settings. Click **Print** to start printing.

Chapter 6: Troubleshooting

Tips for Troubleshooting

Troubleshooting usually falls into one of the following categories:

Printed Output The printed output is not coming out as expected.

Installation The printer driver will not install properly.

Printer Hardware The printer is not working or not working as expected.

Error Message You are getting an error message from the software (displayed on the screen), the printer (indicated by blinking lights), or the Operation Panel on the printer.

Canon **Customer Care Center** Canon offers a full range of customer technical support options.

If you encounter difficulties during installation or operation of your Canon S830D Photo Printer, quickly scan all topics until you find a description that approximates your difficulty. Go through the related solutions until you find one that works.

Troubleshooting Printed Output

Problem	Possible Cause	Try This
Poor print quality	Print head clogged	Verify that your print head is working properly by printing a Nozzle Check Pattern. See “Printing a Nozzle Check Pattern” on page 43. Try cleaning the print head. See “Cleaning the Print Head” on page 45. If you do not see any improvements, try print head cleaning three times. If there is still no improvement, perform a deep print head cleaning using the Maintenance tab in your printer driver for Windows and the printer utility for Mac OS.
	Incorrect printer driver settings	Altering driver settings may improve the appearance of your printed image. See “Setting Driver Options” on page 8 for instructions on selecting the optimum print mode for your print job.
	One or more ink tanks are installed in the wrong position or not seated properly	Verify that the ink tanks are in the correct color slot. Check that they have been firmly seated. Press down on the ink tanks until they click into place. See “Replacing Ink Tanks” on page 41.
	Color settings need to be adjusted	You can enhance the color on your printout. See “Adjusting Color Balance, Brightness and Saturation” on page 17.
	Low ink or ink tank may need to be replaced	Verify that you have sufficient ink in the ink tanks. See “Monitoring Ink Levels” on page 39. If necessary, replace the ink tanks. See “Replacing Ink Tanks” on page 41.
	Print head needs to be aligned	Perform print head alignment. See “Aligning the Print Head” on page 41.
	Print head seated incorrectly	Reseat the print head. See the “*Easy Setup Instructions*” in the *S830D User’s Guide* on the Setup Software & User’s Guide CD-ROM.
	Print head may need to be replaced	Perform multiple print head cleanings. See “Cleaning the Print Head” on page 45. If problem persist, contact the Canon Customer Care Center.
Printout and screen image colors appear differently	Incorrect printer driver settings	Altering driver settings may improve the appearance of your printed image. See “Setting Driver Options” on page 8 for instructions on selecting the optimum print mode for your print job.
	One or more ink tanks are installed in the incorrect position or not seated properly	Verify that the ink tanks are in the correct color slot. Check that they have been firmly seated. Press down on the ink tanks until they click into place. See “Replacing Ink Tanks” on page 41.
	Incorrect media type setting or weight	Verify that your media is compatible and/or fit for your print job and that the media you are using is selected in the driver. See “Using Specialty Media” on page 3.

Problem	Possible Cause	Try This
Banding appears on printed image or White streaks are in printout	Print head needs to be aligned	Perform print head alignment. See “Aligning the Print Head” on page 41.
	Print head nozzles clogged	Verify that your print head is working properly by printing a Nozzle Check Pattern. See “Printing a Nozzle Check Pattern” on page 43. Then try cleaning the print head. See “Cleaning the Print Head” on page 45. If you do not see any improvements, try multiple print head cleanings.
	Use of low-quality paper (plain paper, copier paper, etc.)	Use a higher grade of paper (e.g., Photo Paper Pro, Photo Paper Plus Glossy, or High Resolution Paper).
Smudged or smeared ink on paper	Print head may need to be replaced	Perform multiple print head cleanings. See “Cleaning the Print Head” on page 45.
	Paper thickness lever set incorrectly	Verify that the paper thickness lever is set properly for the media you’re using. See “Load Limit and Paper Thickness Lever Position” on page 5.
Color(s) missing on nozzle test	Print head nozzles clogged	Verify that your print head is working properly by printing a Nozzle Check Pattern. See “Printing a Nozzle Check Pattern” on page 43. Then try cleaning the print head. See “Cleaning the Print Head” on page 45. If you do not see any improvements, try multiple print head cleanings.
	Low ink or ink tank may need to be replaced	Verify that you have sufficient ink in the ink tanks. See “Monitoring Ink Levels” on page 39. If necessary, replace the ink tanks. See “Replacing Ink Tanks” on page 41.
Meaningless characters printed	Corrupted print instructions are stored in the printer buffer	1. Turn the printer off to clear the printer buffer. 2. Turn the printer on again.
	Previous print job paused before it was finished	If a previous print job was paused before it was printed, turn the printer and the computer off, then turn both back on again, or cancel any print jobs using the BJ Status Monitor or BJ Print Monitor. See “Cancelling a Print Job” on page 7.
	Incorrect printer driver selected	Check the Printer dialog box to verify that the correct printer driver is selected.
	Bad (corrupted) file	Create the document again and print it. If it prints successfully, the original file was corrupted.

Troubleshooting Installation

Problem	Possible Cause	Try This
Cannot install the printer driver	Procedure followed incorrectly	See "Installing the Printer Driver" on page 71, or see the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM for more information.
	Previous version of printer driver or same printer driver already installed on computer	Always uninstall the previous version of the printer driver before installing the new version. See "Uninstalling the Printer Driver" on page 73.
	Other applications running in the background	Other open applications on your computer can interfere with the installation routine. Close any software applications, including any virus detection software, on your computer before reinstalling the printer driver. See "Installing the Printer Driver" on page 71.
	Installation not starting automatically when CD is inserted into drive	**Windows** If printer driver installation did not start automatically when you loaded the CD-ROM: 1. **For Windows XP**: Click **Start**, then **My Computer**, then right-click the **CD-ROM drive**, then choose **Explore** from the drop-down menu. **For other Windows versions:** Double-click **My Computer** on the Windows desktop, then right-click the **CD-ROM drive**, then choose **Explore** from the drop-down menu. 2. Double-click **msetup.exe.** If you install the printer driver by clicking **Start**, then **Run**, specify the correct CD-ROM drive and file name (**D:\msetup.exe**, where **D** is the CD-ROM drive).
	CD-ROM drive not specified	Normally, after you insert the S830D CD-ROM the setup dialog box displays automatically. If it does not: **Windows** 1. **For Windows XP**: Click **Start**, then **My Computer**, then **CD-ROM drive**. **For other Windows versions:** Double-click **My Computer** on the Windows desktop, then double-click the **CD-ROM drive**. 2. Double-click **msetup.exe.** **Mac® OS** Double-click the **CD-ROM** icon on your desktop.

Problem	Possible Cause	Try This
Cannot install the printer driver *(continued)*	CD-ROM drive not working properly	**Windows** Use My Computer to confirm that the CD-ROM is operating normally: 1. **For Windows XP:** Click **Start**, then **My Computer**, then right-click the **CD-ROM drive**, then choose **Explore** from the drop-down menu. **For other Windows versions:** From the Desktop, double-click **My Computer**, then right-click the **CD-ROM drive**, then choose **Explore** from the drop-down menu. 2. If the files do not appear, refer to your Windows documentation for more information. **Mac OS** Open the Apple System Profiler, click **Devices and Volumes**, then verify that the CD-ROM icon appears.
	Computer cannot detect a printer port	Verify that the correct cable is connected to both your printer and your computer, and that the connection is secure. Ensure that the USB cable is connected directly to the computer, bypassing any USB hubs. Verify that the printer is turned on and the POWER lamp is a steady (non-blinking) green. Try plugging the USB cable into another USB port. If this does not handle the problem, exit the installation procedure and reinstall the software again. Also see the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM for more information.

Troubleshooting Printer Hardware

Problem	Possible Cause	Try This
Paper feeds incorrectly	Paper jammed during automatic feed	Gently pull the jammed paper out of the sheet feeder slot or the paper output slot, whichever is easier. If the paper will not pull out of the printer easily, do not force it. If the paper tears and some of it is left in the printer, turn the printer off, open the front cover, and remove the pieces of paper. Reload paper into the automatic sheet feeder then press **RESUME/CANCEL** button on the printer. If you turn the printer off, your print job data will be lost. Print the job again.
	Paper loaded incorrectly or exceeds the load limit	Verify that the stack of paper has been loaded correctly, not exceeding the maximum load limit.
	Paper path obstructed	Check and see if there are any obstructions blocking the paper path. If so, remove the obstructions and try printing again.

Problem	Possible Cause	Try This
Printer will not print	Application error	If this occurs in a specific application, try printing from another application or contact the software manufacturer.
	Previous print job in queue	Delete any existing print jobs in the printer queue. **Windows XP** 1. To delete the print job from the printer queue, click **Start**, then **Control Panel**, then **Printers and Other Hardware**, then **Printers and Faxes**. 2. Double-click the **Canon S830D** printer icon. The Print Manager window will appear. 3. Select the document in the printer queue to be deleted, then press **Delete** to cancel the print job. **Mac OS** 1. Open the BJ Print Monitor window (click **Finder**, then **BJ Print Monitor**). 2. Highlight the job to be canceled. 3. Click the **Stop Printing** icon in the Print Queue dialog box. The print job will be canceled and the paper ejected.
	Printer not set as default printer	Verify that your S830D is selected as the default printer. See "Selecting the S830D Photo Printer for Use" on page 2.
	Computer/printer needs to be reset	Reboot the computer and/or reset the printer. • To reboot, close all open applications, then restart the computer. • To reset the printer, turn it off, then back on.
	Corrupt printer driver	Uninstall and reinstall the driver.

Troubleshooting

Problem	Possible Cause	Try This
Printer is not responding	Power cable is not securely connected	Verify that the power cable is securely connected to the printer and plugged into a working outlet.
	Printer is not turned on or is not ready	Verify that the POWER lamp is on and glowing a steady green. If the light is off, press the **POWER** button. The green light will blink as the printer is warming up, then go to a steady (no blink) state when the printer is ready. If the POWER lamp is blinking green, this indicates that the printer is warming up or is processing a print job. If the POWER lamp blinks orange, or green and orange alternately, see "Handling Error Messages" on page 66.
	Computer/printer needs to be reset	Reboot the computer and/or reset the printer. • To reboot, close all open applications, then restart the computer. • To reset the printer, turn it off, then back on.
	Printer and computer cabled together incorrectly	Reconnect the printer cable to the correct port, with the correct cable. See the "Easy Setup Instructions" in the *S830D User's Guide* on the Setup Software & User's Guide CD-ROM. Ensure that the USB cable is connected directly to the computer, bypassing any USB hubs.
	Bad cable	Replace the printer cable.

Problem	Possible Cause	Try This
Printing is slow	Incorrect printer driver settings	Altering driver settings may improve print speed. For example, draft mode is faster than normal mode, but the quality of the print is lower. See “Setting Driver Options” on page 8 on for selecting the optimum print mode for a print job.
	Computer resources are low or not enough memory	You may not have enough memory (RAM) on your computer. Close any open applications that are not needed for printing. If the problem persists, consider adding more memory to your computer.
	Computer resources are low or not enough disk space	When a print job is sent to the printer, it first goes to a temporary print spool. If the file is large and you have limited disk space available, this can slow or stop printing. **Windows** Delete all temporary files (.tmp). If you have Windows 98 or later, you can also run the Disk Cleanup utility. **Windows XP** 1. Click **Start**, then **My Computer**, then right click the **C: drive** icon. 2. Click **Properties** from the drop-down menu. 3. Click the **Disk Clean-up** button. 4. Ensure that **Temporary files** is selected. 5. Click **OK**. **Mac OS** If you run out of disk space on your computer, copy any unused files to a Zip disk or other removable media, then delete the files from your hard disk by dragging them into the trash. **For OS 8.6 – 9.x users:** Allocate more memory to the application.
Printer tried to print but no ink appears on paper	Ink tanks seated improperly	Check the ink tanks and reseat them if necessary. See “Replacing Ink Tanks” on page 41.
	Print head clogged	Verify that the print head is working properly. See “Printing a Nozzle Check Pattern” on page 43 or “Cleaning the Print Head” on page 45. If necessary, perform multiple print head cleanings. See the *S830D User’s Guide* on the Setup Software & User’s Guide CD-ROM for more information.

Handling Error Messages

Problem	Possible Cause	Try This
Printer does not print	When an error occurs, the POWER lamp blinks. Count the number of orange blinks between each green blink to identify the problem:	
	Printer blinks green	When the lamp blinks green, the printer is warming up or is receiving print data from the computer. This is not an error condition.
	2 orange blinks (paper is out, paper jam or paper feed error)	Reload the paper correctly. See “Loading Media into the S830D” on page 6 for how to load different types of media. If the paper is jammed, see the troubleshooting topic, “Paper feeds incorrectly” on page 62.
	3 orange blinks (paper jam)	See the troubleshooting topic, “Paper feeds incorrectly” on page 62.
	4 orange blinks (ink tank is out of ink)	Replace the empty ink tank. See “Monitoring Ink Levels” on page 39 and “Replacing Ink Tanks” on page 41.
	5 orange blinks (print head installed incorrectly)	Reseat print head. See the *S830 User’s Guide* on the Setup Software & User’s Guide CD-ROM for procedures.
	6 orange blinks (print head not installed)	Install the print head. If already installed, remove it, then check the electrical contact area for any blockage or protective tape. Re-install it when done. See the *S830D User’s Guide* on the Setup Software & User’s Guide CD-ROM on the CD-ROM for procedures. (Note: The printer will blink only if it’s a self-test.)
	7 orange blinks (print head defective)	Make sure that you are using the print head designed specifically for the S830D. Turn the printer off and on. If the problem persists, contact the Customer Care Center.
	Printer blinks green and orange alternately (service error)	If the printer starts blinking green and orange alternately, turn the printer off, unplug it from the power outlet, and wait a few minutes. Plug it into the power outlet again, turn on the printer, then restart the print job. If the problem persists, contact the Customer Care Center.

Problem	Possible Cause	Try This
Low ink alert displays in the BJ Print Monitor	One or more of the ink tanks is low	When Backgrounding is turned on, you can confirm the low ink alert in the BJ Print Monitor. (See “Monitoring Ink Levels” on page 39.) After the alert displays, you can continue printing for a short time, but have a replacement ready to install. **Windows** The low ink alert displays in the BJ Status Monitor. See “Monitoring Ink Levels” on page 39. **Mac OS** The low ink alert displays in the BJ Print Monitor before a print job starts. See “Monitoring Ink Levels” on page 39.
Error message displays in the BJ Status Monitor	Printer is out of paper, ink is low, paper jam	**Windows** The BJ Status Monitor opens and displays a message when an error occurs. Read the error message, then click the **Guide** tab to display more information about solving the problem. **Mac OS** If Backgrounding is turned on with the Chooser, the BJ Print Monitor displays an error. Follow the instructions in the message to resolve the problem. See the *S830D User’s Guide* on the Setup Software & User’s Guide CD-ROM for more information on error messages.
System error message displays	System error occurred	If a system error occurs, printing stops. **Windows** A dialog box displays the error message. System errors may include problems writing to USBPRN, application errors, or general protection faults. Make sure that the printer is turned on, the printer and computer are connected securely, and that the printer port is operating correctly. **Mac OS** The error message contains an error code *XXX, where * is a letter and XXX is a number, which represents the cause of the error. Make sure that the printer is turned on, the printer and computer are connected securely, and that the printer port is operating correctly.

Handling Error Messages While Using the Operation Panel

If an error number is displayed on the Operation Panel, correct the error according to the procedure below.

Note

If the display or buttons on the Operation Panel are not operating properly, even though an error is not displayed, turn off the printer, unplug the power cord, and then turn on the printer again.

The color of the ink tank affected by the error can be checked in Media Type. An error has occurred in the ink tank indicated by the blinking position.

Error Number	Problem	Try This
001	Printer is being used	Printing starts when printing from the computer is completed. Press the **Cancel** button to stop printing.
002	Printer is not ready	Wait until preparations are completed. Printing will start when preparations are completed.
101	Ink level is low	Prepare a replacement ink tank. Press the **Print** button to restart printing even though the print level is low. Printing will start when the ink tank is replaced. Press the **Cancel** button to stop printing.
102	Position of paper thickness lever is incorrect	Printing will start when you set the paper thickness lever to the correct position. Press the **Print** button to start printing with paper thickness lever position that is currently set. Press the **Cancel** button to stop printing.
103	Position of paper thickness lever is incorrect and ink level is low	Prepare a replacement ink tank. Replace the ink tank, and set the paper thickness lever to the correct position to start printing. Press the **Print** button to restart printing under the current conditions.
201	Ink has run out	Press the **Cancel** button to stop printing, and then replace the ink tank. Press the **RESUME/CANCEL** button on the printer to start printing without any ink.
202	Waste ink tank is full	Press the **RESUME/CANCEL** button on the printer to restart printing. Immediately contact the Canon Customer Care Center and request replacement of the waste ink absorber.
301/302	No paper, paper cannot be fed, or paper jam	Load paper correctly, and press the **RESUME/CANCEL** button on the printer to start printing. If a sheet is jammed, remove the jammed sheet, load paper correctly, and then press the **RESUME/CANCEL** button on the printer.

Error Number	Problem	Try This
401	Front cover is open	Close the front cover to start printing.
402	Print head is not attached	Attach the print head. If the print head is attached, remove the print head, make sure that the contact sections are clean, and then reattach the print head.
611/612	Time Out is activated during communication with the digital camera OR A message, to the effect that the main unit does not support the digital camera, is sent	Remove the connected cable to reset the error. Reconnect the cable to the digital camera, and then start printing. For instructions on printing from a digital camera, see the user's guide that comes with the digital camera.
802, 803, 809	Error occurred in printer	Press the **Cancel** button to stop printing, turn off the printer, wait awhile, and then turn on the power again. If the condition does not improve, contact the store where you bought the printer or a nearby repair center.
– E –	Photo cannot be read from memory card (indicator lamp does not go on)	Properly set a memory card that can be used. See "Using a Memory Card" on page 24. If a memory card is already set, eject the card, set it again, and check that the indicator lamp goes on. If the error is not corrected by the above procedure, turn off the printer, unplug the power cord, and then turn on the power again.

Customer Care Center

Canon offers a full range of customer technical support* options:

- For e-mail support, the latest driver downloads and answers to frequently asked questions (**www.canontechsupport.com**)
- 24-hour, 7-day-a-week automated support for troubleshooting issues on most current products (**1-800-423-2366**)
- 24-hour, Fax-On-Demand System for product specifications and technical information (**1-800-526-4345**)
- Technical support, free of services charges, Monday – Saturday (excluding holidays) for products still under warranty** (**1-757-413-2848**)
- Technical support Monday – Saturday (excluding holidays) for products no longer under warranty, at $9.99 per incident (**1-757-413-2848**)

Within Canada, call for technical support 24 hours a day, 7 days a week (**1-800-OK-CANON**).

* Support program specifics are subject to change without notice.

** Refer to the product information starting on page 78 for warranty details.

Appendix

The following topics are included in this appendix:

- Installing the Printer Driver
- Uninstalling the Printer Driver
- Registering Your Canon Product
- Safety Information
- Regulatory Information
- Product Specifications
- Limited Warranty—U.S. Only

Installing the Printer Driver

To install the printer driver in Windows:

Note: When installing the printer driver in Windows XP/Windows 2000, log on to the system as a member of the **Administrators** group.

1. Be sure the printer is off before continuing.
2. Make sure the USB cable between the printer and computer is securely connected.
3. Turn the computer on, then insert the S830D Setup Software & User's Guide CD-ROM in the CD-ROM drive. The setup program should run automatically.

Important: If the printer was turned on when the setup program ran, the Add New Hardware Wizard will appear. Do NOT use the wizard—click **Cancel** to close the dialog box and continue.

Note: If the setup program does not run automatically, click **Start,** then **Run**, then type **D:\msetup.exe** (where **D** is the CD-ROM drive).

4. Read the License Agreement, then click **Yes** if you agree.

Note

If a message prompts you to restart Windows, remove the CD-ROM, then click **OK**. After the computer restarts, re-insert the CD-ROM and continue.

5. When the main menu appears, make sure that the Printer Driver is selected, then click **Install.** The printer driver will load automatically.
6. When prompted, turn on the printer so the printer port (connection) can be automatically detected.

Important

If your computer cannot detect a printer port, see the troubleshooting tip for "Computer cannot detect a printer port" on page 61.

7. When the Terminate Installation dialog box appears, click **OK**.
8. Register your product by following the on-screen instructions.
9. Make sure Other Driver is selected, then proceed to install the Memory Card Utility by following the on-screen instructions.
10. Make sure Applications is selected, then proceed to install the applications by following the on-screen instructions. This may take a few minutes.
11. When the installation process has completed, you can view any electronic documentation. If you do not wish to at this time, click **Exit.**
12. Click **Yes** if you are prompted to restart the computer.

Mac

To install the printer driver in Mac OS:

Note

The printer driver that came with your printer supports Mac OS 8.6 – 9.x. For Mac OS X driver and instructions, visit our Web site: **www.canontechsupport.com**.

1. Be sure the printer is off before continuing.
2. Make sure the USB cable between the printer and computer is securely connected.
3. Close any open software applications.
4. Insert the S830D Setup Software & User's Guide CD-ROM in the CD-ROM drive.
5. Open the printer driver folder on the CD-ROM.
6. Double-click the **Installer** icon.

7. Read the License Agreement, then click **Accept** if you agree.
8. Click **Install.** The the printer driver will load automatically.

Note

If a "No other applications can be running..." message displays, click **Continue.**

9. When the installation has completed, click **Restart.**
10. After the computer restarts, turn on your printer, select the **Apple** menu, then **Chooser.**
11. Click the **S830D** icon in the Chooser.

Note

To use the BJ Print Monitor, you must click the **Backgrounding** button to the **On** position.

12. Close the Chooser.
13. Access the S830D Setup Software & User's Guide CD-ROM and double-click the **Memory Card Utility** folder.
14. Double-click the **BJ Installer** icon and follow the on-screen instructions.

Uninstalling the Printer Driver

To uninstall the printer driver in Windows:

1. Click **Start**, **All Programs**, then **Canon S830D**, then **Uninstall**.
2. Click **Yes** to confirm that you want to uninstall the printer driver.

To uninstall the printer driver in Mac OS:

1. Insert the S830D Setup Software & User's Guide CD-ROM in the CD-ROM drive.
2. Double-click **Printer Driver**.
3. Double-click **Installer**.
4. Read the License Agreement, then click **Accept** if you agree.
5. Select **Uninstall** from the drop-down list.
6. Click **Uninstall.**

Registering Your Canon Product

To register your Canon product:

Visit **www.registercanon.com** and follow the on-screen instructions.

Safety Information

Warnings and Cautions

This guide uses the following icons to indicate situations that could cause damage or injury:

⚠ Warning Always follow the instructions provided in Warnings to prevent potential serious personal injury or death as a result of careless operation of the equipment.

⚠ Caution Always follow the instructions provided in Cautions to prevent minor injuries to yourself or damage to the equipment as a result of careless operation of the equipment.

Read and follow all of these cautions and warnings to help ensure the safe use of the printer. To reduce the hazards of fire, personal injury, or damage to the printer, never attempt to use the printer in any way other than the methods described in this guide.

Choosing a Location

⚠ Caution Never place the printer near flammable solvents such as alcohol, thinner, etc. To help avoid the hazards of fire or electric shock, keep all flammable liquids away from the printer.

- Never set the printer on a surface that is unstable or subject to excessive vibration. The printer could tip or fall and cause injury.
- Never use the printer in a location that is subject to high humidity, dust, high temperatures, or direct sunlight.
- Set up and use the printer in a location where ambient temperature is within 41°F–95°F (5°C–35°C) and 10%–90% humidity with no condensation.

⚠ Caution Never place the printer on a thick carpet or rug. Fibers or dust entering the printer could cause a fire.

⚠ Warning Keep the power outlet for the printer free of all obstacles so you can unplug the power cord at any time. Such obstacles could prevent you from unplugging the printer when a printer fault occurs and cause a fire or electric shock. The socket-outlet shall be installed near the equipment and shall be easily accessible.

- Always carry the printer with both hands holding both ends of the printer. To avoid dropping the printer and causing injury, always carry it carefully when moving it to another location.

Power Supply

⚠ Caution

Never attempt to plug the power cord into a power outlet when your hands are wet. To avoid electric shock, make sure that your hands are dry.

- Always push the plug completely into the power outlet. A loose or poorly connected plug could cause a fire or electric shock.

⚠ Caution

Never cut, modify, stretch, bend, or twist the power cord, or never place heavy objects on the power cord. A power leak from a damaged power cord could cause a fire or electric shock.

⚠ Caution

Never plug the printer power cord into a power outlet (power board, double adapter, etc.) that is shared by other devices or office equipment. To help prevent the hazards of fire or electric shock, avoid overloading power points.

- Never use the printer if the power cord is bundled or knotted. To help prevent the hazards of fire or electric shock, make sure the power cord is straight.

⚠ Warning

If you detect smoke, unusual odors, or strange noises around the printer, immediately press the POWER button to turn off the printer and disconnect the power plug. To reduce the risk of fire or electric shock, never use the printer under these conditions. Call the Canon Customer Care Center.

- Always grasp the plug when you unplug the power cord. Pulling on the power cord could damage the cord and cause a fire or electric shock.

⚠ Warning

Never use an extension cord. To help avoid a fire or electric shock, always plug the power cord directly into the power outlet.

⚠ Caution

Never use a power supply voltage other than that supplied in the country where you purchased the printer. Using incorrect voltage could cause a fire or electric shock. The correct power supply voltage for this printer is AC 120V, 60 Hz.

Cleaning and Maintaining the Printer

- Use only a slightly damp cloth to clean the printer. Never use flammable solvents like alcohol, benzene, thinner, etc. If a flammable solvent contacts an electrical component inside the printer, a fire or electric shock could result.
- Always unplug the printer power cord before you clean the printer. If you mistakenly turn on the printer while cleaning it, you could touch moving components inside the printer and suffer injury.
- Never attempt to disassemble or modify the printer. The printer contains high voltage components which could cause a fire or serious electric shock.

Working Around the Printer

⚠ Caution

Never use flammable sprays near the printer. Gases in the spray could cause a fire or electric shock if they come in contact with electrical components inside the printer.

⚠ Caution

Never insert your fingers or hands inside the printer while it is printing. The printer contains moving parts which could cause injury.

Caution Never place anything on top of the printer, especially metal objects (paper clips, staples, etc.), or containers with flammable solvents (alcohol, thinners, etc.) Objects falling into the printer could cause a fire or electric shock.

Caution If any foreign object, especially a piece of metal or liquid, falls into the printer, immediately press the POWER button to turn off the printer, unplug the power cord, then call the Customer Care Center. Continuing to use the printer after a foreign object has fallen into it could cause a fire or electric shock.

Print Head and Ink Tanks

Caution For safety, always store print head and ink tanks out of the reach of small children. If a child accidentally licks or ingests any ink, consult a physician immediately.

Caution Never subject a print head or ink tank to shocks or excessive vibration. Shaking could cause ink to leak and stain clothing and nearby surfaces.

Warning Never touch the print head or electrical contacts on a print head immediately after removing it from the printer. These metal parts become very hot during printing and could cause minor burns.

Turning Off the Printer

To avoid printer malfunction always use the POWER button to turn the printer on and off. Never remove the power cord from the power outlet until you have turned off the printer by pressing the POWER button. After the POWER lamp goes out, you can unplug the power cord from the power outlet.

Using the Printer Near Appliances and Fluorescent Lamps

Allow at least 6 inches clearance between the printer and another appliance or a fluorescent lamp. Electrical noise generated by a fluorescent lamp placed too close to the printer could cause the printer to malfunction.

Regulatory Information

Color Photo Printer Model: K10212 (S830D)

This equipment has been tested and found to comply with the limits for a
Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

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

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

Canadian Radio Interference Regulations

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

Cet appareil numérique respecte les limites de bruits radioléctiques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: “Appareils Numériques”, NMB-003 édicatée par l’Industrie et Sciences Canada.

Product Specifications

Printing method:	Bubble Jet on-demand
Printing resolution:	Up to 2400 x 1200 dpi
Print speed:	4" x 6" photo print speed based on default mode driver setting using Canon Photo Paper Pro for Borderless Printing 4" x 6" paper. 8" x 10" photo print speed based on default mode driver setting using Canon Photo Paper Pro.
Color photo (4" x 6"):	Approx. 1 minute
Color photo (8" x 10"):	Approx. 2 minutes
Print direction:	Bi-directional
Print width:	8.0 inches maximum (203.2 mm) (for borderless printing 8.5 inches/216.0 mm)
Resident print control mode:	Canon extended mode
Receiver buffer:	80KB
Interface:	USB Full Speed
Interface connector:	USB standard Series B receptacle (USB Interface)
Recommended printer cable (USB):	
Material:	AWG28 (data wiring pair) or AWG20 to 28 (distribution pair)
Type:	Twisted-pair shielded cable
Length:	Up to 6.5 feet (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°F to 95°F (5°C to 35°C)
Humidity:	10% to 90% RH (no condensation)
Storage environment:	
Temperature:	32°F to 95°F (0°C to 35°C)
Humidity:	5% to 90% RH (no condensation)
Power supply:	AC 120 V, 60 Hz
Power consumption:	
Standby:	Approx. 8 W
Printing:	Approx. 29 W
Dimensions:	(without a paper rest and paper output tray) 16.9" (W) x 11.6" (D) x 7.4" (H)

Weight:	Approx. 11 lb. (5.8 kg)
Feed method:	Continuous feed through auto sheet feeder for Plain Paper, Envelopes, Photo Paper Plus Glossy, Matte Photo Paper, High Resolution Paper, Glossy Photo Paper, High Gloss Photo Film, Glossy Photo Cards, Photo Paper Pro, Transparencies, T-Shirt Transfers, and Banner Paper
Sheet feeder capacity (maximum):	
Plain paper (17 lb.)	100 sheets
High Resolution Paper	80 sheets
Envelopes	10 envelopes
Photo Paper Plus Glossy	1 sheet
Photo Paper Plus Glossy 4" x 6"	20 sheets
Matte Photo Paper	10 sheets
Glossy Photo Paper	1 sheet
High Gloss Photo Film	1 sheet
Glossy Photo Cards	20 sheets
Photo Paper Pro	1 sheet
Photo Paper Pro for Borderless Printing 4" x 6"	20 sheets
Photo Paper Pro 4" x 6" (Perforated)	20 sheets
Transparencies	30 sheets
T-Shirt Transfers	1 sheet
Banner Paper	1 sheet (can print up to 6 connected sheets)
Ordinary print media:	
Regular size:	Letter, Legal, 4" x 6", A4, A5, B5, US Com. #10, European DL envelopes
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 584.2 mm)
Weight:	Automatic feed: 17–28 lb. for non-Canon brand media
Graphic image printing:	
Data format:	Canon extended mode: raster image format
Resolution:	Canon extended mode: 600, 1200, 2400 dpi
Print head:	Nozzles: 1,536 (256 per color)
Ink tanks capacity (page):	
Black (BCI-6BK):	Approx. 620[1], approx. 1150[2]
Cyan (BCI-6C):	Approx. 980[2]
Magenta (BCI-6M):	Approx. 740[2]
Yellow (BCI-6Y):	Approx. 480[2]
Photo Cyan (BCI-6PC Photo):	Approx. 430[2]
Photo Magenta (BCI-6PM Photo):	Approx. 280[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

Limited Warranty—U.S. Only

The limited warranty set forth below is given by Canon U.S.A., Inc. (“Canon”) with respect to the Canon brand computer peripheral product (the “product”) that you have purchased, when purchased and used in the United States. The product that you have purchased is the only product to which this warranty card and the limited warranty provided by Canon and stated on the card apply.

Your product, when delivered to you in new condition in its original container, is warranted against defects in materials or workmanship as follows: for a period of one (1) year from the date of original purchase, defective parts or a defective product returned to a Canon repair facility or a Canon Authorized Service Facility ("ASF") for such product, as applicable, and proven to be defective upon inspection, will be exchanged for new or comparable rebuilt parts, or a refurbished product, as determined by the Canon repair facility or the ASF. Warranty repair or replacement shall not extend the original warranty period of the defective product. This limited warranty does not cover any supplies or accessories, including without limitation, ink cartridges and ink tanks, as to which there shall be no warranty or replacement.

This limited warranty shall only apply if the product is used in conjunction with compatible computer equipment and compatible software, as to which items Canon shall have no responsibility.

Non-Canon brand equipment and software that may be distributed with the product are sold "as is," without warranty of any kind by Canon, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the manufacturer or producer thereof.

This limited warranty covers all defects encountered in normal use of the product, and does not apply in the following cases:

(a) Loss of or damage to the product due to abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed in Canon's instruction manual, or service performed by other than a Canon repair facility or an ASF.

(b) Use of parts or supplies (other than those sold by Canon) that cause damage to the product or cause abnormally frequent service calls or service problems.

(c) If the product has had its serial number or dating altered or removed.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BIND CANON. (SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.) CANON SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF CANON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST CANON BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY CANON WHICH CAUSED THE ALLEGED DAMAGE.

WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF CANON. (SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.) THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCT, OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES YOUR EXCLUSIVE REMEDY.

Canon offers a full range of customer technical support* options:

- For e-mail technical support, the latest driver downloads and answers to frequently asked questions **(www.canontechsupport.com)**
- 24-hour, 7-day-a-week, automated support for troubleshooting issues on most current products **(1-800-423-2366)**
- 24-hour, Fax-On-Demand System for product specifications and technical information **(1-800-526-4345)**
- Technical support, free of service charges, Monday – Saturday (excluding holidays) for products still under warranty** **(1-757-413-2848)**
- Technical support Monday – Saturday (excluding holidays) for products no longer under warranty, at $9.99 per incident **(1-757-413-2848)**

If the problem can't be corrected by using one of the above technical support options, you will be asked to follow the applicable procedures for warranty service. **Note that a dated proof of purchase (bill of sale) is required to verify eligibility at the time of service. This requirement will be satisfied by providing a copy of your dated bill of sale. You will also need to supply the product serial number.**

Carry-In/Mail-In

Carry-In/Mail-In is a service program by which your defective product is repaired by an ASF. The name and telephone number of the ASF(s) nearest to your location may be obtained from our Web site at: **www.canontechsupport.com**, or by calling the Canon Customer Care Center at **1-800-423-2366**. If shipping is involved, it is your responsibility to properly package and send your defective product, together with your dated proof of purchase, a complete explanation of the problem and a return address, to the ASF at your expense. **Do not include any other items with your product.** The repair(s) covered by this limited warranty will be made and the product will be returned to you without charge by the ASF. Repairs not covered under this limited warranty will be charged to you at such costs as each ASF may generally establish from time to time.

InstantExchange†

InstantExchange is a warranty program that expedites, usually by the next business day,†† the exchange of a defective product with a refurbished product. The refurbished product you receive will be covered by the balance of the period remaining on your original limited warranty. **Note that by using this service you will keep the replacement product that is sent to you, and your originally purchased product shall become the property of Canon.** InstantExchange warranty program service is available only during the express limited-warranty period for your product and only in the continental United States, Alaska and Hawaii during such period.

If the Canon Customer Care Center representative cannot correct the problem with your product over the telephone, and you elect InstantExchange warranty program service, the representative will issue you a reference number upon verification of warranty eligibility. You will be asked for information pertaining to your defective product and for a ship-to location for the replacement product (street address only). You must also provide a major credit card number that will be pre-authorized by Canon in an amount up to the cost of a new product at the time you elect InstantExchange warranty program service. **Your credit card number will be charged in an amount up to the cost of a new product** (i) if you do not return your defective product to a Canon repair facility by the date specified by Canon and in the manner described below; (ii) if the defect(s) in the product is/are not covered by this limited warranty; or (iii) if the warranty period on the product has expired or has not been sufficiently established by your supplying the appropriate documentation.

The Canon repair facility will ship out the replacement product via overnight courier, prepaid by Canon. After receipt of the replacement product (with instructions and a pre-paid return waybill), follow the instructions to ship the defective product to a Canon repair facility. You must return the defective product in the shipping carton in which the replacement product was packed (be sure to retain your print head and ink tanks), and you must include the reference number, **a copy of your dated proof of purchase** (bill of sale) and a complete explanation of the problem. **Do not include any other items in the return** shipping container.

This limited warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

* Support program specifics are subject to change without notice.
** Refer to the individual product information for warranty details.
† InstantExchange warranty program service is subject to availability of refurbished replacement units.
†† 9 a.m.–5 p.m. (local), Monday–Friday (excluding holidays). The Canon Customer Care Center must receive pertinent information by 3 p.m. (E.S.T.) to ensure next-business-day InstantExchange warranty program service (two-business-day InstantExchange warranty service for Alaska and Hawaii). Canon does not guarantee next-business-day service in the event of factors beyond Canon's reasonable control.

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