

**EPSON®**

INK JET PRINTER

**STYLUS® PHOTO R1800**

# **User's Guide**

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# Contents

<b>Welcome!</b>	<b>7</b>
Exif Print	<b>8</b>
About Your Software	<b>8</b>
About Your Documentation	<b>9</b>
Viewing the On-screen Reference Guide	<b>10</b>
<b>Loading Paper</b>	<b>11</b>
Loading Paper in the Sheet Feeder	<b>12</b>
Loading Special Paper in the Sheet Feeder	<b>14</b>
Loading Multiple Sheets of Matte Paper	<b>15</b>
Loading Special Paper in the Single Sheet Guide	<b>16</b>
Loading Roll Paper or Canvas	<b>20</b>
<b>Printing From Start to Finish</b>	<b>25</b>
Basic Printing in Windows	<b>26</b>
Selecting the Settings You Use Most Often	<b>28</b>
Customizing Your Windows Print Settings	<b>29</b>
Basic Printing With Mac OS X	<b>31</b>
Customizing Your Macintosh Print Settings	<b>36</b>
Selecting the Correct Media Type	<b>38</b>
<b>Printing Special Photos</b>	<b>39</b>
Printing on Roll Paper or Canvas	<b>39</b>
Selecting Roll Paper Print Settings	<b>40</b>
Removing Your Printed Photos	<b>44</b>
Removing and Storing Roll Paper or Canvas	<b>44</b>

Printing Borderless Cut Sheets	45
Windows	46
Mac OS X	47
Managing Color With Profiles	49
Printing With a Color Profile	49
Solving Color Management Problems	58
Printing a Custom Profile Test Target	59
Creating a Custom Profile	62
Easy Printing With Photoshop Elements 3.0	63
<b>Printing on CDs and DVDs</b>	<b>65</b>
Cleaning the Roller	66
Inserting a CD or DVD	66
Printing Your Design	69
Adjusting the Print Position	70
Adjusting the Print Density	71
<b>Maintaining Your Printer</b>	<b>73</b>
Cleaning the Print Head	73
Automatically Checking and Cleaning the Print Head	74
Running the Head Cleaning Utility	75
Replacing an Ink Cartridge	76
Checking the Ink Levels	77
Purchasing Ink Cartridges	77
Ink Cartridge Precautions	78
Removing and Installing Ink Cartridges	78
Aligning the Print Head	80
Automatically Aligning the Print Head	80
Manually Aligning the Print Head	81
Cleaning the Printer	82
Transporting the Printer	83

<b>Solving Problems</b>	<b>85</b>
Printer Parts	<b>86</b>
Printer Buttons	<b>87</b>
Printer Lights	<b>87</b>
Diagnosing Printer Problems	<b>88</b>
Running a Printer Check	<b>90</b>
Problems and Solutions	<b>90</b>
Setup and Software Installation Problems	<b>90</b>
Printer Problems	<b>91</b>
Quality Problems	<b>93</b>
Paper Problems	<b>95</b>
CD/DVD Problems	<b>98</b>
Miscellaneous Problems	<b>98</b>
Uninstalling and Reinstalling Printer Software	<b>100</b>
Where To Get Help	<b>101</b>
Epson Technical Support	<b>101</b>
Technical Support for Other Photo Software	<b>102</b>
<b>Requirements and Notices</b>	<b>103</b>
Windows System Requirements	<b>103</b>
Macintosh System Requirements	<b>103</b>
Important Safety Instructions	<b>104</b>
Ink Cartridge Safety Instructions	<b>105</b>
FCC Compliance Statement	<b>106</b>
Declaration of Conformity	<b>107</b>
Epson America, Inc. Limited Warranty	<b>108</b>
<b>Index</b>	<b>111</b>



# Welcome!

Your Epson Stylus® Photo R1800 gives you beautiful archival prints on a wide variety of glossy and matte papers in many sizes.

Your outstanding printouts result from these advanced features:

- Eight individually replaceable Epson® ink cartridges let you print at up to 5760 × 1440 dpi (dots per inch).
- Large gamut, pigment-based, Epson UltraChrome Hi-Gloss® inks and compatible papers deliver brilliant, long-lasting, water-resistant prints.
- Unique gloss optimizer cartridge provides a uniform gloss coat on glossy papers so your prints look like they came from a photo lab.
- Ink droplets as small as 1.5 picoliters give you finer detail and highlights.
- Photo Black and Matte Black ink cartridges produce optimum print density on many types of paper without switching cartridges.
- Large format capabilities let you print panoramics, portraits, and specialty prints up to 13 × 44 inches.
- Versatile paper handling lets you create BorderFree®, frame-ready prints in popular sizes, including 4 × 6, 5 × 7, 8 × 10, 11 × 14, 12 × 12, 13 × 19, and others.
- Direct printing on the surface of ink jet printable CDs and DVDs allows you to create expressive disc labels.
- Roll paper feeder enables continuous printing of large images, multiple photos, or panoramics on photo paper or canvas.
- Automatic print head cleaning and alignment utilities analyze your print quality and improve it quickly and easily.
- Hi-Speed USB 2.0 and FireWire® (IEEE 1394) ports provide fast connections.

**Note:** To achieve the highest USB speed, your computer must have a Hi-Speed USB 2.0 port connected to the printer with a Hi-Speed USB 2.0 cable.

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## Exif Print

Your Epson Stylus Photo R1800 printer supports Exif (Exchangeable Image File) Print format to give you the best photo prints possible. This digital image format includes information about your digital camera settings in JPEG/TIFF files so your printer and application can use them to create accurate print settings. Most digital cameras store Exif Print information such as shutter speed, metering, flash, and exposure settings, resolution, and lens use in the JPEG/TIFF image file. Your printer—along with the P.I.M. II Plug-in for Adobe Photoshop®—uses the information to ensure the most accurate image reproduction.

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## About Your Software

Your printer CD-ROM includes all the software you need for printing. See the *Start Here* sheet for installation instructions.

- **Your printer driver** runs your printer and lets you control how your documents look. You can't print without it.

**Tip:** It's a good idea to check Epson's support website periodically for free updates to your printer driver. Visit [epson.com/support](http://epson.com/support). Download instructions are posted for your convenience.

- **Your photo software** includes these great tools:

**Epson Print CD** lets you print directly on ink jet printable CDs and DVDs.

**Easy Photo Print** works with certain photo printing applications to make controlling printing on your Stylus Photo R1800 fast and easy.

**Epson Premium ICC Color Profiles** work with Adobe Photoshop and other ICC-aware applications to achieve more accurate color in your prints on various paper types. You can download profiles at [www.epson.com/spr1800profiles](http://www.epson.com/spr1800profiles).

**Epson PhotoCenter<sup>SM</sup>** is Epson's free photo-sharing website where you can store, organize, and share your photos; print high-resolution photos straight from the web; and create free online postcards. Your printer software installer lets you add a link to Epson PhotoCenter on your desktop.



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# About Your Documentation

To set up your printer and install its software, see the *Start Here* sheet.

This book contains instructions on:

- Loading all types of paper
- Printing with Windows® or Mac OS® X
- Printing on ink jet printable CDs and DVDs
- Maintaining the printer
- Solving basic problems

At the end of the book, you'll also find the system requirements, important safety information, and the product's warranty.

Please follow these guidelines throughout:

**Warnings** must be followed carefully to avoid bodily injury.

**Cautions** must be observed to avoid damage to your equipment.

**Notes** contain important information about your printer.



**Tips** contain hints for better printing.

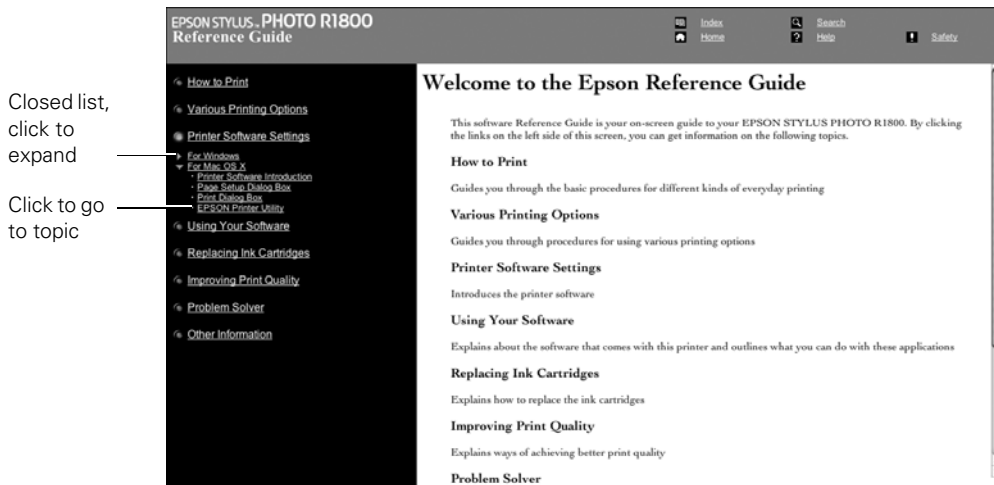
For more details about your printer, network setup instructions and specifications, see your on-screen *Reference Guide*, as described in the next section.

# Viewing the On-screen Reference Guide

Follow the instructions on the *Start Here* sheet to install the on-screen *Reference Guide*, if you haven't already.

**Note:** You need a browser—such as Microsoft® Internet Explorer 4.0 or later, Safari™ 1.0 or later, Mozilla® Firefox® 1.0 or later, or Netscape® Navigator® 3.0 or later—to view the manual. If you are using a different browser, the pages may not display correctly.

1. Double-click the **SPR1800 Reference Guide** icon on your desktop.
2. Click a topic on the left to expand the table of contents.
3. Click on the topic you want to view.
  - If there's a right arrow , click it to view subtopics, then click on a topic.
  - If there's a down arrow , click it to close a subtopic list.



**Note:** If you see an icon for a graphic when viewing your *Reference Guide* in Netscape Navigator, click the **Reload** button to load the graphic.

# Loading Paper

You can load a variety of paper types in your printer, as described in these sections:

Paper/Media	Where to load	See page
Plain paper Epson Ultra Premium Photo Paper Glossy Epson Ultra Premium Glossy Photo Paper Epson Premium Photo Paper Glossy Epson Premium Glossy Photo Paper Epson Ultra Premium Photo Paper Luster Epson Premium Luster Photo Paper Epson Premium Photo Paper Semi-gloss Epson Premium Semigloss Photo Paper Epson Ultra Premium Presentation Paper Matte* Epson Enhanced Matte Paper* Epson Premium Presentation Paper Matte* Epson Matte Paper Heavyweight* Epson Premium Presentation Paper Matte Double-sided* Epson Double-sided Matte Paper* Epson Presentation Paper Matte Epson Photo Quality Ink Jet Paper Epson Photo Quality Self Adhesive Sheets Epson Bright White Paper Epson Premium Bright White Paper	Sheet feeder	12, 16
Epson Velvet Fine Art Paper Epson Watercolor Paper - Radiant White Epson UltraSmooth® Fine Art Paper PremierArt™ Matte Scrapbook Photo Paper for Epson	Single sheet guide	16

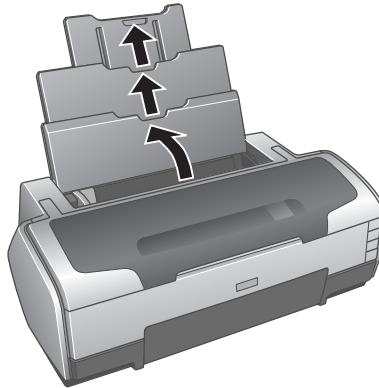
Roll paper, including PremierArt Water Resistant Canvas and Piezo Pro® Matte Canvas	Roll paper holder	20
Ink jet printable CDs and DVDs	CD/DVD tray	66

\* This matte paper requires the matte sheet support when loading multiple sheets larger than letter-size; smaller paper can be loaded without it. See page 14.

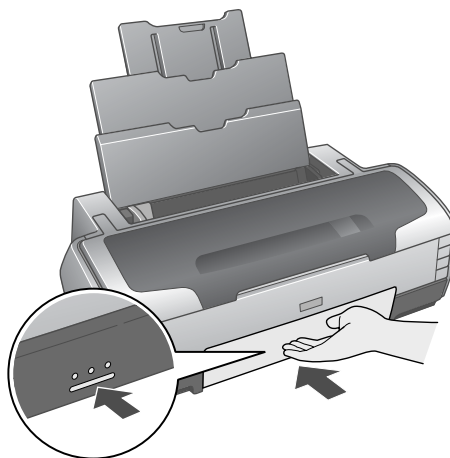
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## Loading Paper in the Sheet Feeder

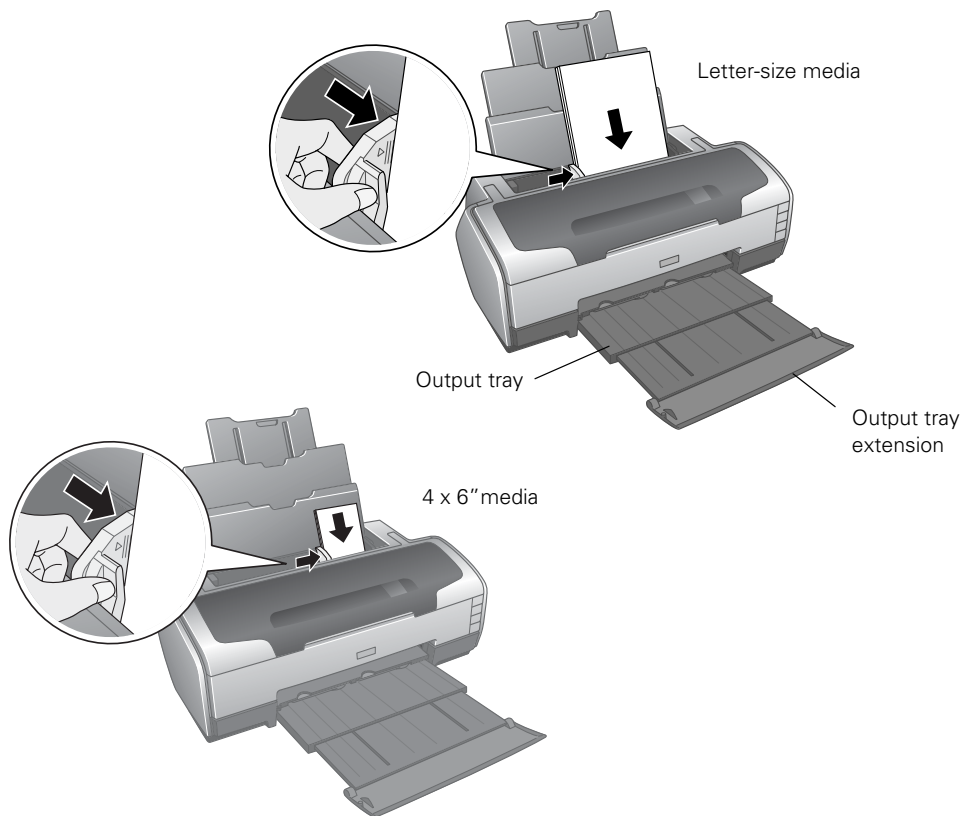
1. Open the paper support and pull up the support extensions.



2. Push in the bottom of the output tray. The tray opens and moves up.



3. Pull out the output tray extension and insert your paper against the right side of the sheet feeder.



Check the following as you load paper:

- Always load the short edge first, even for printing landscape-oriented documents.
  - Load the printable side face-up. It's usually whiter or brighter than the other side. (Epson paper packages open with the printable side face-up.)
  - Load letterhead or preprinted paper into the printer top edge first.
  - Don't load paper above the arrow on the left edge guide.
4. Adjust the left edge guide to fit lightly against the paper.

**Note:** The left edge guide might move slightly during paper feeding and printing. Do not adjust the edge guide during printing.

# Loading Special Paper in the Sheet Feeder

You can load these Epson ink jet papers in the sheet feeder as follows:

Paper type	Loading capacity
Epson Ultra Premium Photo Paper Glossy Epson Ultra Premium Glossy Photo Paper  Epson Premium Photo Paper Glossy Epson Premium Glossy Photo Paper  Epson Ultra Premium Photo Paper Luster Epson Premium Luster Photo Paper  Epson Premium Photo Paper Semi-gloss Epson Premium Semigloss Photo Paper  Epson Ultra Premium Presentation Paper Matte* Epson Enhanced Matte Paper*  Epson Premium Presentation Paper Matte* Epson Matte Paper Heavyweight*  Epson Premium Presentation Paper Matte Double-sided* Epson Double-sided Matte Paper*	20 sheets (10 sheets for A3 or Super B sizes)
Epson Presentation Paper Matte Epson Photo Quality Ink Jet Paper	100 sheets (50 sheets for A3 or Super B sizes)
Epson Bright White Paper Epson Premium Bright White Paper	80 sheets
Epson Photo Quality Self Adhesive Sheets	1 sheet at a time

\* This matte paper requires the matte sheet support when loading multiple sheets larger than letter-size; smaller paper can be loaded without it. See page 15.

Always keep unused paper in the original package and store it flat to prevent curling. Check the paper package for additional handling instructions.

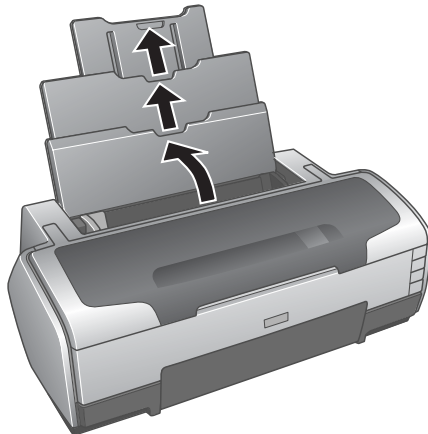
## ***Loading Multiple Sheets of Matte Paper***

If you are loading multiple sheets of the following papers in sizes larger than letter (8.5 × 11 inches), attach the matte sheet support to the top of the sheet feeder to help separate the sheets of paper:

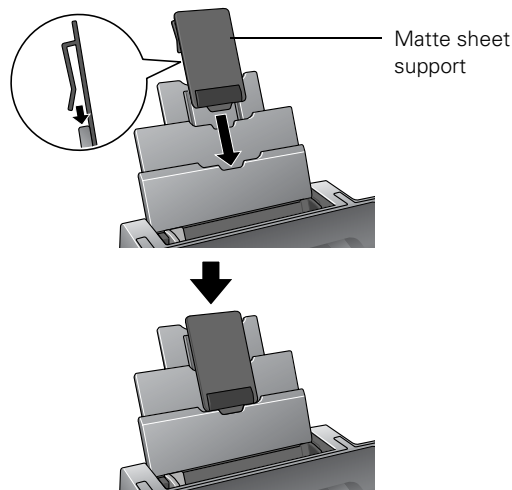
- Epson Ultra Premium Presentation Paper Matte
- Epson Enhanced Matte Paper
- Epson Premium Presentation Paper Matte
- Epson Matte Paper Heavyweight

Follow these steps to load multiple large sheets of matte paper:

1. Open the paper support and pull up its extensions.



2. Place the hooks on the back of the matte sheet support over the paper support extension, then slide it all the way down.



**Note:** Remove the matte sheet support when you load other types of paper.

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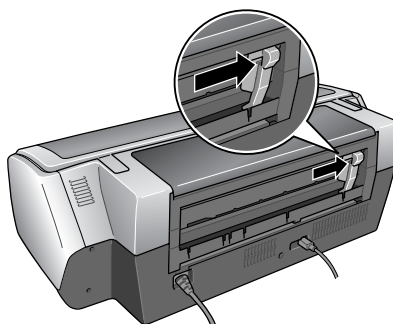
## Loading Special Paper in the Single Sheet Guide

Load these types of paper in the single sheet guide:

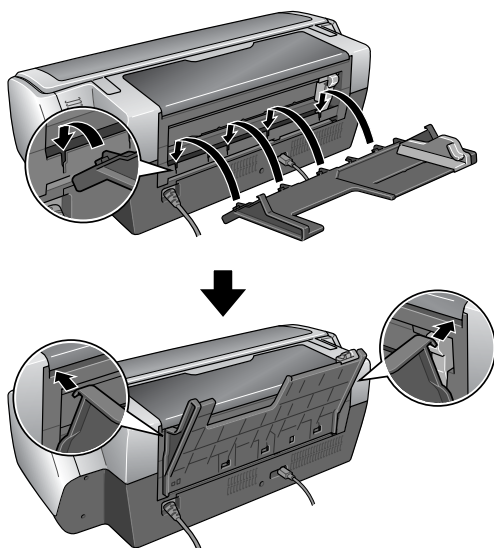
- Epson Velvet Fine Art Paper
  - Epson Watercolor Paper - Radiant White
  - Epson UltraSmooth Fine Art Paper
  - PremierArt Matte Scrapbook Photo Paper for Epson
1. Remove the roll paper holder if it's installed (see page 20), make sure the CD/DVD tray guide is closed (see page 66), and close the paper support and its extensions.



2. Slide the roll paper edge guide all the way to the right.

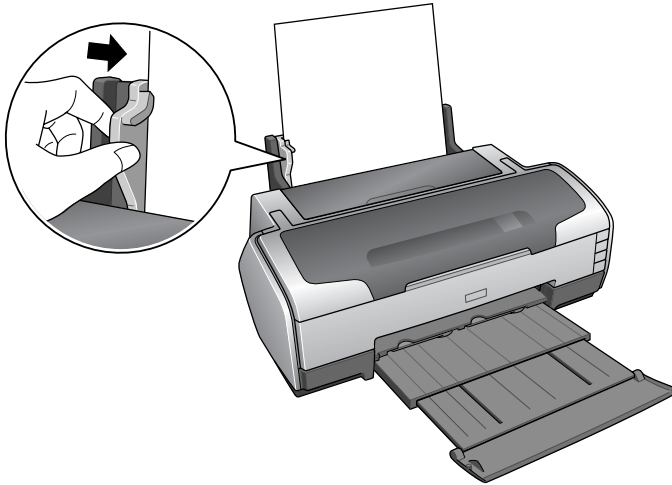


3. Line up the notches on the single sheet guide with the slots on the back of the printer and insert them as shown. Then insert the tabs on the top of the guide into the slot beneath the printer cover.

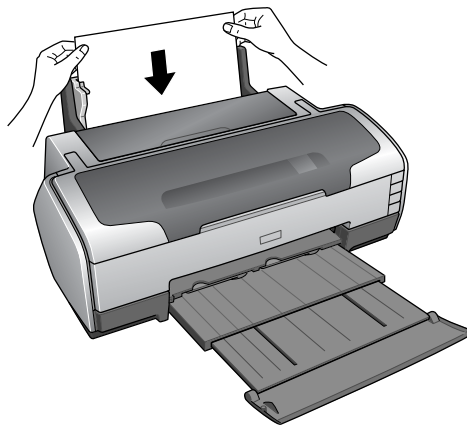


4. Turn on the printer (the printer must be on to load paper in the single sheet guide correctly).

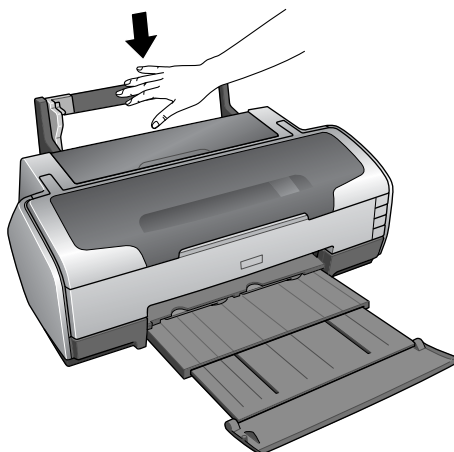
5. Insert one sheet of paper against the right edge, then slide the edge guide against the sheet.





6. Guide the paper into the slot and feed it into the printer until the paper meets resistance.

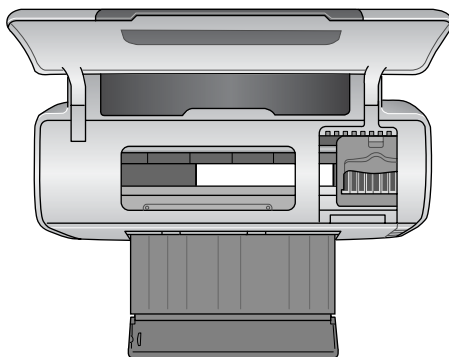


7. Maintain a constant pressure against the paper until the printer pulls the paper in slightly. Continue to apply light pressure until the paper begins feeding, then let go to allow the printer to adjust the paper position.

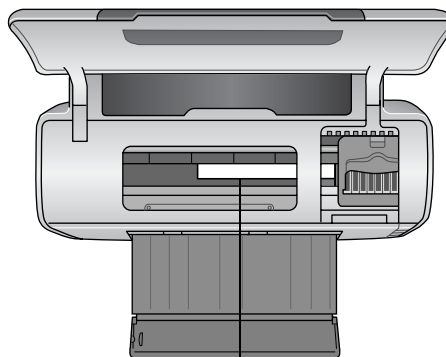


8. Open the cover and look down into the printer to make sure the paper is straight and has fed all the way.

If the paper hasn't fed completely and the edge is visible, press the  roll paper button for 3 seconds to back the paper out. Press the  paper button to clear the paper out error, then load the paper again.



Paper is loaded correctly



If edge is visible, reload paper

9. Before printing, select **Manual - Roll** as the Source setting (Windows) or **Manual - Roll** as the Paper Source setting (Macintosh) in your printer software (see page 26 for Windows or page 31 for Macintosh).

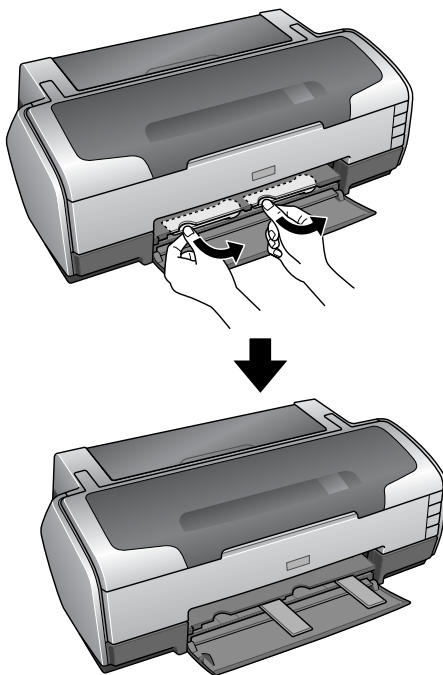
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## Loading Roll Paper or Canvas

You can load 4-inch, 8.3-inch, or 13-inch wide roll paper (or 13-inch wide canvas) for printing large images, multiple photos, or panoramic images, with or without borders. The loading instructions apply to both paper and canvas, unless otherwise noted.

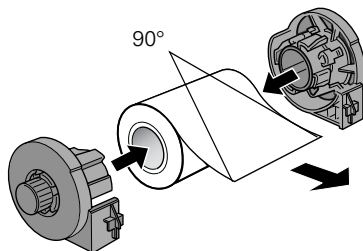
**Tip:** It's a good idea to check your ink levels before loading and printing on roll paper. (See page 77.) If you need to replace an ink cartridge when roll paper is loaded, you should remove the paper; otherwise marks may appear in your printout.

1. Turn on the printer and remove any paper loaded in the sheet feeder at the top of the printer.
2. If the output tray and extension are open, push them in, but leave the flap at the end of the tray down.
3. Swing out the roll paper guides until they are straight.



**Tip:** Use lint-free, white cotton gloves when handling the media to avoid soiling it with the oils on your fingertips.

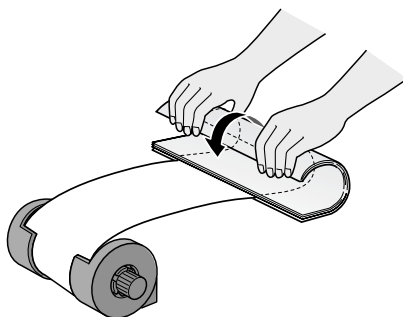
4. Place the roll paper or canvas on the holders as shown, then remove the tape and protective paper from the end of the roll.



5. Make sure the end of the paper is cut straight across, with 90° corners. If the end is cut diagonally, uneven or frayed, you may have problems feeding the paper.

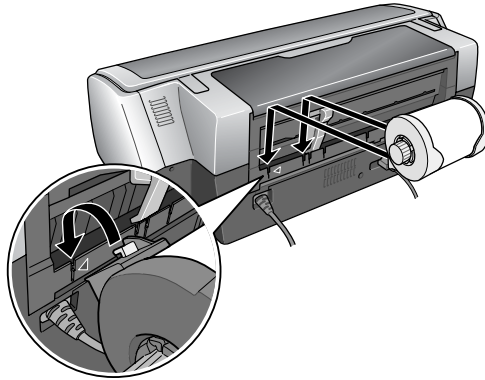
If you are loading canvas, it is a good idea to cut the edge just before loading so that it is straight and even.

6. If the paper or canvas curls at the end, roll it backwards between a folded sheet of paper to uncurl it.



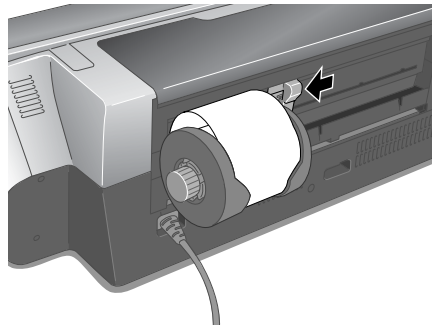
Avoid touching the printable surface of the roll paper.

7. Insert the left roll paper holder (marked with an orange triangle) into the far left slot (also marked with an orange triangle). Then insert the other holder into the corresponding slot on the right.



8. While holding the paper or canvas, feed it part of the way into the roll paper feeder (under the white rollers), then slide the right roll paper edge guide to fit lightly against the paper.

**Caution:** Don't load roll paper into the sheet feeder or the slot behind the paper support; make sure it is below the white rollers.




9. Push the paper into the feeder as far as it will go; the printer feeds the paper automatically.


**Note:** You may need to reload canvas or thicker roll media to ensure accurate paper registration.

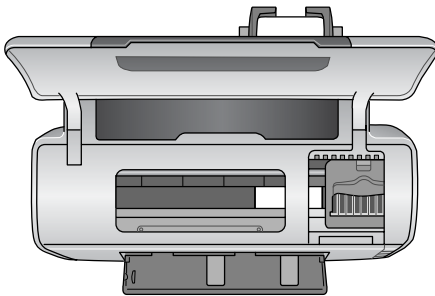
When loading canvas, leave ample slack between the roll and the printer to ensure smooth paper feeding. Be sure to maintain slack while printing. If not, your prints may show distortion of shapes, fuzzy text, or banding.

When cutting canvas or other roll media, it is important to have a straight edge. An uneven or frayed edge may result in misfeeds, misregistration, or reduced print quality.

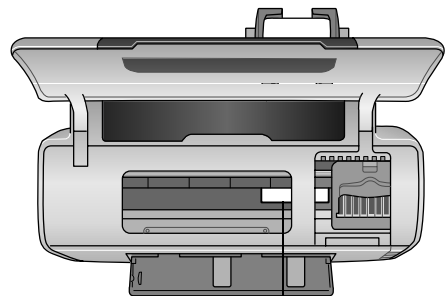
10. Open the cover and look into the printer to make sure the paper is straight and has fed all the way.

If the paper hasn't fed completely and the edge is visible, press the  roll paper button for 3 seconds to back the paper all the way out.

Then turn the roll paper holder knobs to roll up the paper. Press the  paper button to clear the paper out error. Repeat steps 7 through 9 to reload the paper.



Paper is loaded correctly



If edge is visible, reload paper

Follow the instructions on page 39 to print on roll paper or canvas.





# Printing From Start to Finish

Follow the steps in these sections to print using your printer's basic features:

- “Basic Printing in Windows” on page 26
- “Customizing Your Windows Print Settings” on page 29
- “Basic Printing With Mac OS X” on page 31
- “Customizing Your Macintosh Print Settings” on page 36
- “Selecting the Correct Media Type” on page 38

To print on roll paper or borderless cut sheets, or to print P.I.M. or color-managed photos, see “Printing Special Photos” beginning on page 39.

**Note:** During printing, the left paper guide moves away from the paper slightly. Do not re-adjust this while the printer is printing. The printer will re-adjust the edge guide once printing is complete.

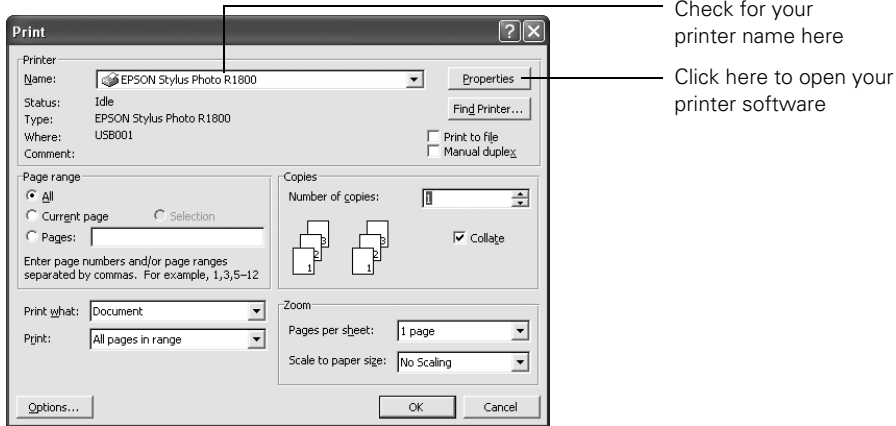
**Tip:** Whenever you print, make sure you:

- **Use the right paper.**  
For the best-looking photos, most vivid colors, and greatest detail, always use genuine Epson papers and Epson UltraChrome Hi-Gloss inks.
- **Choose the right printer settings for the paper.**  
Your printer automatically adjusts itself for the type of paper you've selected, so make sure your printer settings are correct for the paper you loaded.

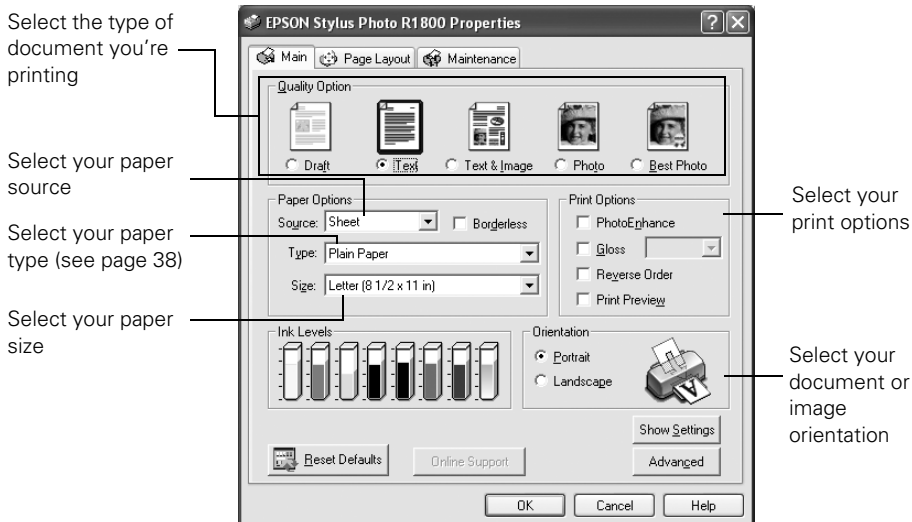
# Basic Printing in Windows

Follow these steps to print a document or image using the basic printer settings:

1. From the File menu, click Print. You see a Print window like this one:



2. Make sure EPSON Stylus Photo R1800 is selected.
3. Click the Properties or Preferences button. (If you see a Setup, Printer, or Options button, click it first.)
4. Click the Main tab in the printer settings window to see your basic settings.



5. Select one of these document types as the Quality Option setting:
  - **Draft:** For rough drafts with reduced print quality
  - **Text:** For text-only documents (like letters) with good print quality
  - **Text & Image:** For documents with text and images with higher print quality
  - **Photo:** For photos and graphics with good print quality and speed
  - **Best Photo:** For photos or graphics with high print quality
6. Select the way your paper is loaded as the Source setting:
  - **Sheet:** For paper loaded in the sheet feeder at the top of the printer
  - **Roll:** For roll paper loaded in the roll paper feeder on the back of the printer (see page 39)
  - **Manual - Roll:** For paper loaded in the single sheet guide (see page 16)
  - **CD/DVD:** For CDs or DVDs loaded in the CD/DVD tray (see page 65)
7. Select the type of paper you loaded as the Type setting. See page 38 for details.

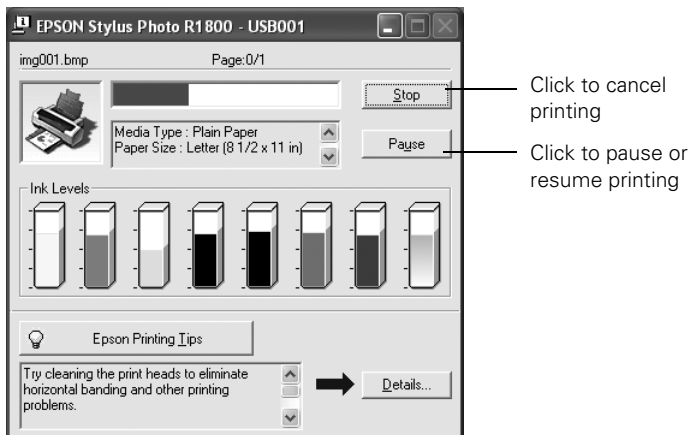
**Note:** For printing photos without borders on certain paper types, click the **Borderless** checkbox. See page 45 for details.
8. Select the size of paper you loaded as the Size setting.
9. Select the direction in which you want your image or document to print as the Orientation setting. Select **Portrait** for vertical orientation or **Landscape** for horizontal.
10. Select any other options you want to use in the Print Options box:
  - **PhotoEnhance™:** Improves the contrast, saturation, and color balance or allows you to print neutral or toned black-and-white photos
  - **Gloss:** Applies gloss optimizer on certain paper types. **Auto** applies it only to the image area; **Full** applies it to the entire page
  - **Reverse Order:** Prints multiple page documents last-page-first so you don't need to reorder the pages
  - **Print Preview:** Displays a preview of your printed image or document before printing so you can check it for position on the page

**Note:** For more information about printer settings, click the ? or **Help** button. For additional print settings, click the **Advanced** button at the bottom of the screen and see page 29 for details.

11. Click **OK**. You return to the Print window.

12. Click **OK** or **Print** to start printing.


During printing, this window appears. Use it to cancel, pause, or resume printing and see an estimate of how much ink you have left.



**Caution:** Don't open Epson Status Monitor, pause printing, or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

## ***Selecting the Settings You Use Most Often***

Your printer settings apply only to the program you're currently using. If you want, you can change the Windows default printer settings for all your programs.

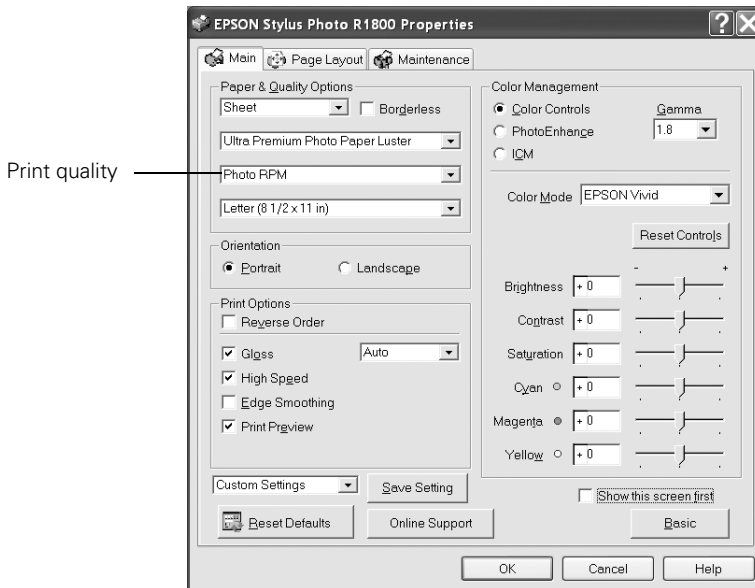
1. Right-click the  printer icon in the lower right corner of your screen.
2. Select **Printer Settings**. You see the window shown on page 26.
3. Select the default settings you want for all your applications, then click **OK**.

You can still change the printer settings in individual programs, if necessary.

# Customizing Your Windows Print Settings

Follow these steps to print a document or image using advanced printer settings in Windows:

1. On the Main tab, click the **Advanced** button in the bottom right corner.
2. Click **Continue**. The Basic settings change to the Advanced settings:



**Note:** If you want to use the Advanced screen each time you access your printer settings, select the **Show this screen first** checkbox.

3. The Advanced settings include the same options as the Basic settings, plus these:
  - **Print quality:** Lets you specify a print quality for your selected paper type, including **Photo** (1440 × 720 dpi), **Best Photo** (1440 × 1440 dpi), or **Photo RPM®** (5760 × 1440 dpi) for the highest print quality on certain paper types. Photo RPM printing takes a bit longer.
  - **High Speed:** Speeds up printing by allowing printing back and forth across the page, instead of in just one direction. (Print quality may decrease.)
  - **Edge Smoothing:** Prints smoother edges on low-resolution images, such as bars in a graph.

- **Color Controls:** Lets you adjust the Brightness, Contrast, Saturation, and Cyan, Magenta, and Yellow color levels in your printout.
- **ICM:** Uses standard color profiles for your printer to match colors in your image (in ICM-enabled applications). If you're using custom or Epson Premium ICC profiles in a program such as Photoshop, select ICM then check the **Off (No Color Adjustment)** box.

**Caution:** Incorrectly applying this function or using it in an incomplete color management workflow may result in excessively light or dark prints.

**Note:** To print with custom color profiles using Photoshop, see page 49.

- Once you've finished selecting advanced settings, you can:
  - Click **OK** to save your settings, return to the Print dialog box, and print.
  - Click the **Basic** button to return to the Basic settings.
  - Click the **Page Layout** tab and continue with step 5 to select layout options.
- Select the following page layout settings as necessary:

Select image or document position options here

Select image or document resizing options here; these affect only your printed image

Add a watermark to your printed page here

Select multi-page document options here and here

Adjust the size of borderless images here (available when borderless is selected on the Main settings screen)

**Note:** For more information on printer settings, or instructions on saving them as a group so you can reuse them later, click the **Help** or **?** button.

- Click **OK** to save your settings, return to the Print dialog box, and print.

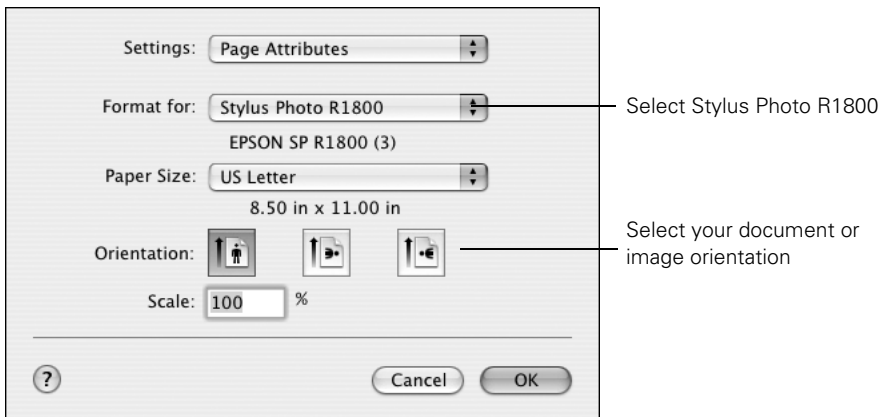
# Basic Printing With Mac OS X

Follow the steps below to print a document or image on a Macintosh® using the basic printer settings.

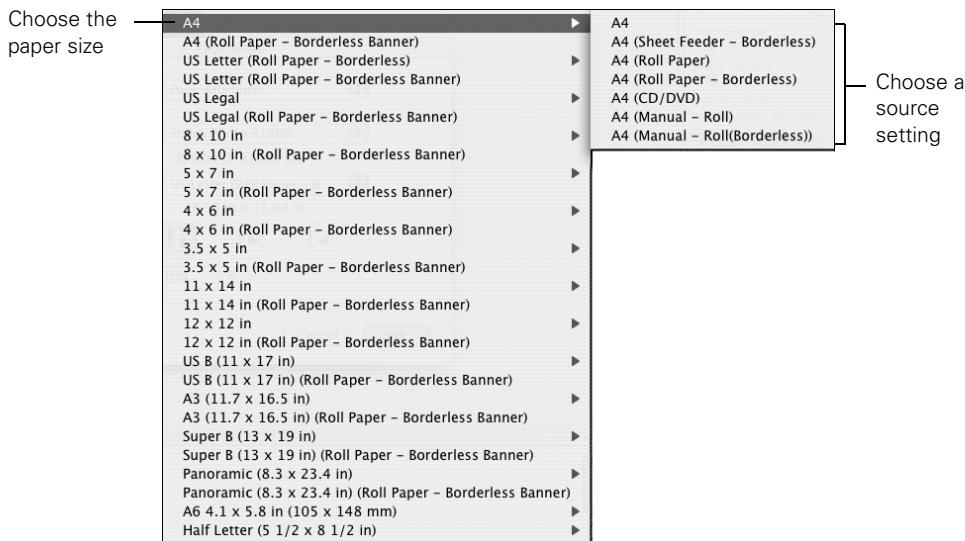
For roll paper printing, see page 39. For borderless printing, see page 45. For CD/DVD printing, see page 65.

**Note:** Make sure you added your printer in the Printer Setup Utility or Print Center, as described on the *Start Here* sheet.

1. From the File menu, select **Page Setup**.
2. Open the **Format for** menu and select your printer.



- Choose the paper size for the paper you loaded, then select the source setting from the submenu for that size.



- For prints on paper loaded in the sheet feeder with borders around the image, select just a paper size in the menu and submenu.
- For borderless prints on paper loaded in the sheet feeder, select a size with **Sheet Feeder - Borderless** as the source.
- For prints with borders around the image on paper loaded in the single sheet guide, select a size with **Manual - Roll** as the source.
- For borderless prints on paper loaded in the single sheet guide, select a size with **Manual - Roll (Borderless)** as the source.




For roll paper printing instructions, see page 39.

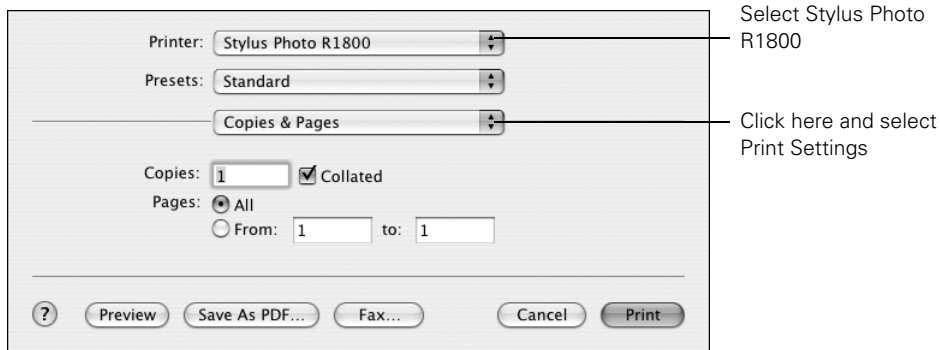
For CD/DVD printing instructions, see page 65.

**Note:** For more information on borderless printing, see page 45.

**Caution:** When printing non-borderless print jobs using a custom paper size, make sure the selected size matches the paper you loaded and is within the printable area for your printer. For example, never choose a paper size wider than your printer's sheet feeder or longer than your paper length.

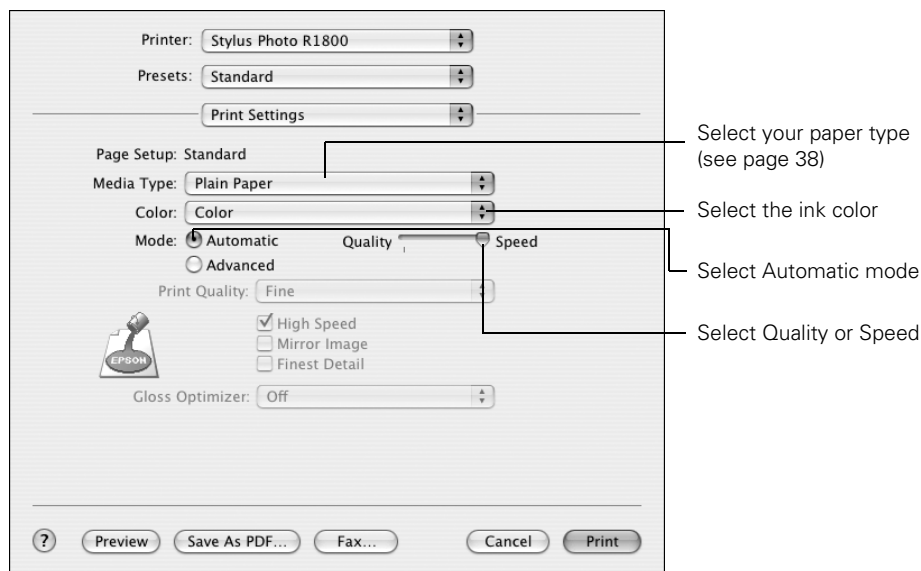


- Select the direction you want your image or document to print as the Orientation setting. Select  for vertical orientation,  for horizontal facing right, or  for horizontal facing left.
- Click OK.
- Select **Print** from the File menu. You see a screen like this:



- Open the **Printer** menu and select **Stylus Photo R1800**.
- Select **Print Settings** from the pop-up menu. You see your basic print settings.

**Note:** In certain programs you may need to select **Advanced** before you can select **Print Settings**.



9. Select the type of paper you loaded as the **Media Type** setting. See page 38.

**Note:** If you can't choose your paper type, check your Page Setup settings to make sure you selected the correct paper size and source. (See page 32.)

10. For the ink setting, select **Color** (for color documents and black and white photographs) or **Black** (for black text documents).

11. Select **Automatic** as the **Mode** setting for the best results printing basic documents or images. (For instructions on using **Advanced mode**, see page 36.)

12. Move the slider to the **Quality** setting to print images or documents using higher print quality, or to the **Speed** setting for faster printing.



**Note:** For more information about printer settings, click **Help**.

13. You can also choose these options in the pop-up menu:

- **Copies & Pages**, to select the number of copies or a page range
- **Layout**, to select page layout options
- **Output Options**, to save your print job as a PDF file
- **Scheduler**, to specify a time for a document to print
- **Paper Handling**, to reverse page order and set other page options
- **ColorSync**, to select Quartz® filters through ColorSync®
- **Color Management**, to select ColorSync, adjust the color controls, change the gamma setting, or turn off color adjustments by the printer software (see page 37 for color management details)
- **Expansion** (if you selected a **Borderless** option as the paper size/source setting), adjusts the borderless image size to remove borders completely
- **Extension Setting**, select **Thick media** here to correct ink smearing when printing on thick paper
- **Summary**, to view a list of all your selections

14. Click **Print**.

**Caution:** Don't pause printing or respond to ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If ink is low, wait until printing finishes before checking ink levels or replacing a cartridge. If you replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check ink levels and replace cartridges, if necessary, before printing large or high-resolution print jobs.

15. To monitor the progress of your print job, click your printer's  icon or the  Print Center icon when it appears in the dock. Then double-click **Stylus Photo R1800**. You see this screen:

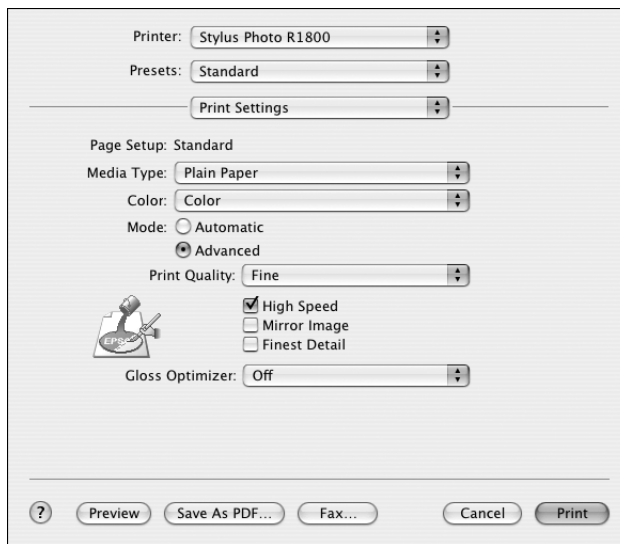


16. Monitor the progress of your print job or do one of the following:
  - Click the print job, then click **Delete** to delete the job
  - Click the print job, then click **HOLD** to pause printing
  - Click a print job marked “Hold” and click **Resume** to resume printing
  - If multiple print jobs are listed, click a print job, then click the **Priority** arrow as necessary to reorder the jobs
17. When you're finished, close your printer's status window (OS X 10.4 and 10.3) or Print Center (OS X 10.2).

# Customizing Your Macintosh Print Settings

Follow these steps to print using advanced printer settings on a Macintosh:

1. From the File menu, select **Print**.
2. Select **Print Settings** from the pop-up menu.
3. To access advanced settings, click **Advanced**.



4. In addition to the basic settings, you can select these advanced options:
  - **Print Quality:** Lets you specify a print quality for your selected paper type, including **Photo** (1440 × 720 dpi), **Best Photo** (1440 × 1440 dpi), or **Photo RPM** (5760 × 1440 dpi) for the highest print quality on certain paper types. (Printing takes a bit longer in Photo RPM mode.)
  - **High Speed:** Speeds up printing by allowing printing back and forth across the page, instead of in just one direction.
  - **Mirror Image:** Inverts the image horizontally.
  - **Finest Detail:** Places ink droplets in the most precise manner for high quality printing. (Printing takes longer in this mode.)
  - **Gloss Optimizer:** Applies gloss optimizer on certain paper types.

**Note:** For more information on advanced settings, or instructions on saving them as a group so you can reuse them later, click ?

5. To select Color Management options, select **Color Management** from the pop-up menu. Select Color Management options as follows:

- **Color Controls:** Let you adjust the Brightness, Contrast, Saturation, Gamma, and cyan, magenta, and yellow levels in your printout.
- **ColorSync:** Uses standard ColorSync profiles for your printer to help match colors in your image (for ColorSync-enabled applications). If you're using custom profiles or the Epson Premium ICC profiles in an application such as Adobe Photoshop, select **Off (No Color Adjustment)** instead.
- **No Color Adjustment:** Turns off your printer's color management features so you can use ICC profiles in an ICC-aware application such as Adobe Photoshop instead.

**Note:** To print with custom or Premium ICC color profiles when you're using Photoshop, see "Managing Color With Profiles" on page 49.

6. Click **Print**.

# Selecting the Correct Media Type

Select the correct **Type** or **Media Type** setting to ensure the best ink coverage.

<b>Paper or other media loaded</b>	<b>Type or Media Type setting</b>
Plain paper Epson Bright White Paper Epson Premium Bright White Paper	Plain Paper
Epson Presentation Paper Matte Epson Photo Quality Ink Jet Paper Epson Photo Quality Self Adhesive Sheets	Presentation Paper Matte
Epson Ultra Premium Presentation Paper Matte Epson Enhanced Matte Paper	Ultra Premium Presentation Paper Matte
Epson Premium Presentation Paper Matte Epson Matte Paper Heavyweight Piezo Pro Matte Canvas for Epson*	Premium Presentation Paper Matte
Epson Premium Presentation Paper Matte Double-sided Epson Double-sided Matte Paper	Double-Sided Matte Paper
Epson Ultra Premium Photo Paper Glossy* Epson Ultra Premium Glossy Photo Paper* Epson Premium Photo Paper Glossy Epson Premium Glossy Photo Paper	Premium Photo Paper Glossy
Epson Ultra Premium Photo Paper Luster Epson Premium Luster Photo Paper PremierArt Water-Resistant Canvas for Epson*	Ultra Premium Photo Paper Luster
Epson Premium Photo Paper Semi-gloss Epson Premium Semigloss Photo Paper	Premium Photo Paper Semi-gloss
Epson Watercolor Paper - Radiant White	Watercolor Paper - Radiant White
Epson UltraSmooth Fine Art Paper PremierArt Matte Scrapbook Photo Paper for Epson	UltraSmooth Fine Art Paper
Epson Velvet Fine Art Paper	Velvet Fine Art Paper
Ink jet printable CDs/DVDs	CD/DVD
Ink jet printable CDs/DVDs with premium surface	CD/DVD Premium Surface

\* For best results with these papers, print using premium ICC profiles. See page 49 for details.

# Printing Special Photos

When you need to print photos using the special Stylus Photo R1800 printing features, follow the instructions in these sections:

- “Printing on Roll Paper or Canvas” below
- “Printing Borderless Cut Sheets” on page 45
- “Managing Color With Profiles” on page 49
- “Easy Printing With Photoshop Elements 3.0” on page 63

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## Printing on Roll Paper or Canvas

Before you print on roll paper or canvas, load it as described on page 20.

Then follow the steps in the next sections to select your settings, control printing, and remove and store the roll paper or canvas.

**Caution:** Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

# Selecting Roll Paper Print Settings

Follow the steps in one of these sections to select your roll paper print settings:

- “Windows” below
- “Mac OS X” on page 41

## Windows

1. Start your print application, open your photo file, and resize it as necessary.
2. Open the File menu, click **Print**, then click **Properties** or **Preferences**.
3. Select the type of roll paper you loaded as the **Type** option:

- **Premium Photo Paper Semi-gloss**
- **Ultra Premium Photo Paper Luster**
- **Premium Photo Paper Glossy**

**Note:** For PremierArt Water Resistant Canvas, choose **Ultra Premium Photo Paper Luster**. For Piezo Pro Matte Canvas, choose **Premium Presentation Paper Matte**. Choose **Best Photo** or **Photo RPM** and uncheck **High Speed** (on the Advanced screen) when printing on canvas. For the best color prints on either Epson canvas medium, make sure you use the Premium ICC profile.

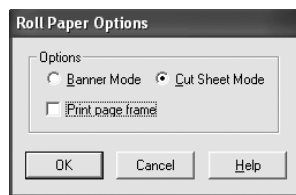


4. If you'll be printing photos without any borders, click the **Borderless** box.
5. Select the photo size as the **Size** setting. If you're printing a panoramic photo, select **User Defined** from the **Size** list and enter the size of your photo. Make sure the width of your photo is 4, 8.3, or 13 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to **0** in your printing software.

**Note:** Don't select PhotoEnhance or Reverse Order when printing on roll paper or canvas. For the source, don't choose Sheet, Manual - Roll, or CD/DVD.



- Choose **Roll** as the Source setting. The Roll Paper Options box pops up:



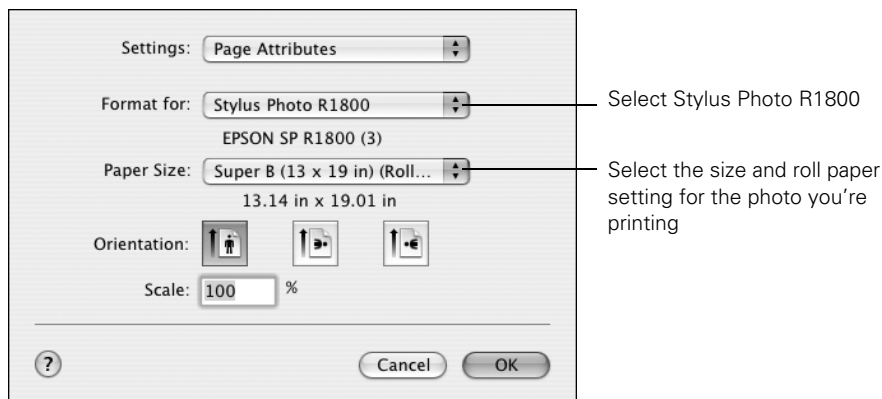
- Select the roll paper settings based on the type of printing you're doing, then click **OK**:

Type of printing	Roll Paper Options
Borderless photos	<b>Cut Sheet Mode</b> <b>Banner Mode</b> (if your photo is over 27 inches long)
Photos with borders or panoramics	<b>Cut Sheet Mode</b>

- Click **OK**.
- Click **OK** or **Print**. Follow the steps on page 44 to remove your printed photos.

## Mac OS X

- Start your print application, open your photo file, and resize it as necessary.
- Click **File > Page Setup**.
- Select **Stylus Photo R1800** as the Format for setting:

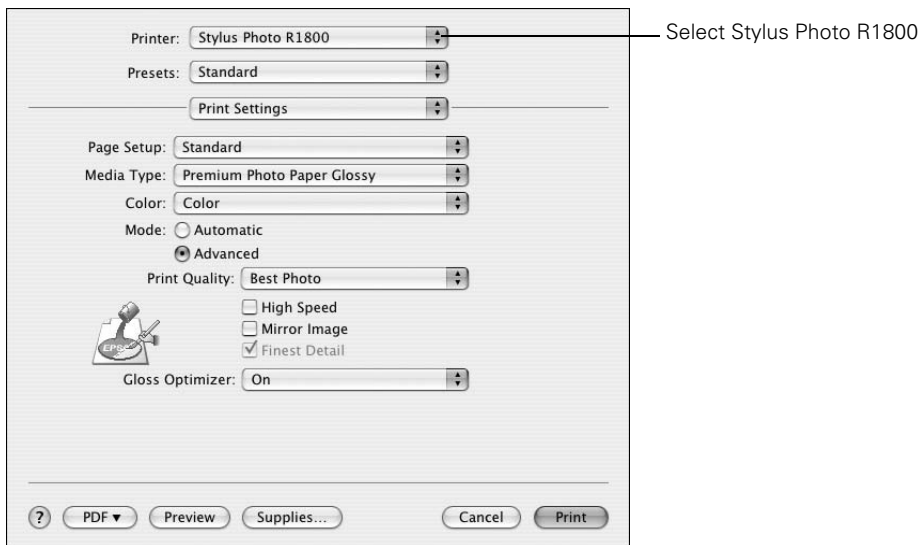


4. Select the **Roll Paper** or **Roll Paper - Borderless** setting for your photo size as the Paper Size setting.

To print without a border between photos, choose the **Roll Paper - Borderless Banner** setting for your photo size.

Make sure the width of your photo is 4, 8.3, or 13 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to 0 in your printing software.

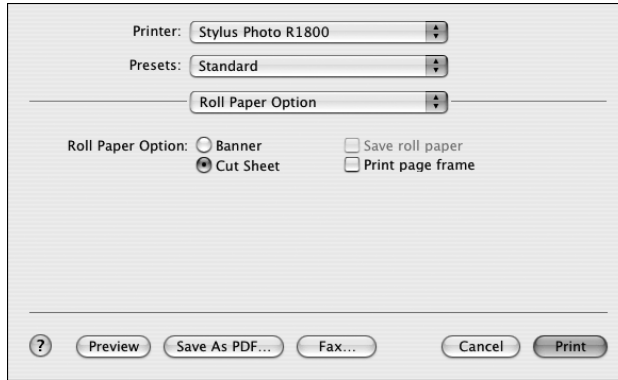
5. Click **OK** to close the Page Setup dialog box.
6. Click **File > Print** to open the printer settings dialog box.
7. For the Printer setting, select **Stylus Photo R1800**.



8. Select **Print Settings** from the pop-up menu.
9. Select the type of roll paper you loaded as the Media Type option:
  - Premium Photo Paper Semi-gloss
  - Ultra Premium Photo Paper Luster
  - Premium Photo Paper Glossy

**Note:** For PremierArt Water Resistant Canvas, choose **Ultra Premium Photo Paper Luster**. For Piezo Pro Matte Canvas, choose **Premium Presentation Paper Matte**. Choose **Best Photo** or **Photo RPM** and uncheck **High Speed** when printing on canvas. For the best color prints on either Epson canvas medium, make sure you use the Premium ICC profile.

10. Select **Advanced Mode**, then choose a **Print Quality** setting.
11. Choose **Roll Paper Option** from the pop-up menu.





12. Select the roll paper settings based on the type of printing you're doing.

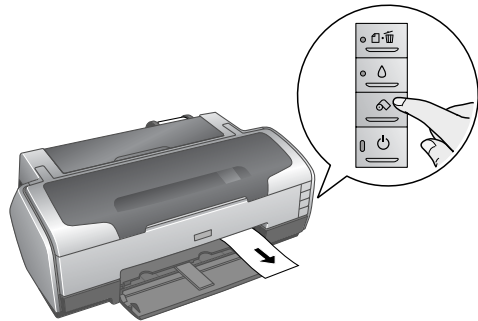
Type of printing	Roll Paper Options
Borderless photos	Cut Sheet Mode Banner Mode (if your photo is over 27 inches long)
Photos with borders or panoramics	Cut Sheet Mode

13. When you're finished, click **Print**.

## Removing Your Printed Photos


Follow these steps to remove your printed photos:

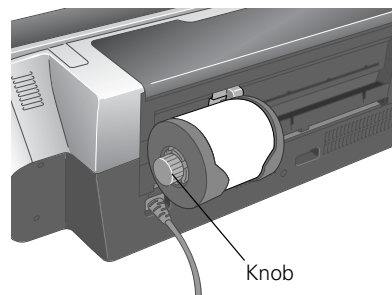
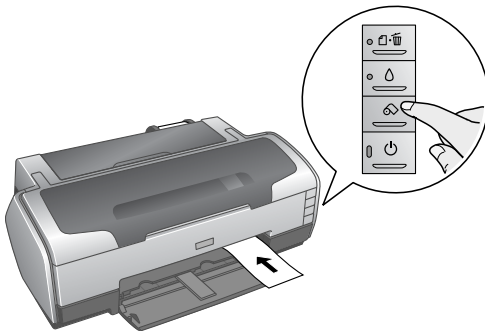
1. Press the  roll paper button once to feed the paper forward.
2. Cut the paper or canvas on the printed cutting line. Be sure to cut straight.
3. If you want to print another job on roll paper, press the  roll paper button once again; the paper returns to the correct print position.





## Removing and Storing Roll Paper or Canvas

When you're finished printing on roll paper or canvas, remove and store it as follows:

1. Press the  roll paper button for three seconds. The paper or canvas feeds backwards out of the printer. (If it doesn't feed all the way out, repeat this step.)



2. Turn the knobs to roll the rest of the paper onto the holder. Then press the  paper button to turn off the  paper light.
3. Pull the roll paper holder off the printer and remove the roll from it.

Return the unused roll to its original package. Store your printouts in resealable plastic bags, photo albums, or glass-covered picture frames. Keep both printed and unused roll paper and canvas away from high temperatures, humidity, and direct sunlight.

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## Printing Borderless Cut Sheets

You can print your photos with no margins, extending the image all the way to the edges of the page. Although borderless printing is a bit slower, you get beautiful portraits and enlargements, without trimming, on these papers:

- Epson Ultra Premium Photo Paper Glossy
- Epson Ultra Premium Glossy Photo Paper
- Epson Premium Photo Paper Glossy
- Epson Premium Glossy Photo Paper
- Epson Premium Presentation Paper Matte\*
- Epson Matte Paper Heavyweight\*
- Epson Ultra Premium Presentation Paper Matte\*
- Epson Enhanced Matte Paper\*
- Epson Premium Presentation Paper Matte Double-sided\*
- Epson Double-sided Matte Paper \*
- Epson Ultra Premium Photo Paper Luster
- Epson Premium Luster Photo Paper
- Epson Premium Photo Paper Semi-gloss
- Epson Premium Semigloss Photo Paper
- Epson Watercolor Paper - Radiant White\*\*
- Epson Velvet Fine Art Paper\*\*
- Epson UltraSmooth Fine Art Paper\*\*
- PremierArt Matte Scrapbook Photo Paper for Epson\*\*

\*If you are loading multiple sheets of matte paper that are larger than letter-size, use the matte paper support. See page 15.

\*\*These papers must be loaded in the single sheet guide. See page 16.

**Caution:** Don't open Epson Status Monitor, pause printing, or respond to any ink messages when your printer is printing. This may cause the printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

Follow the steps for your operating system in these sections to print BorderFree photos on cut sheet paper.

- “Windows” below
- “Mac OS X” on page 47

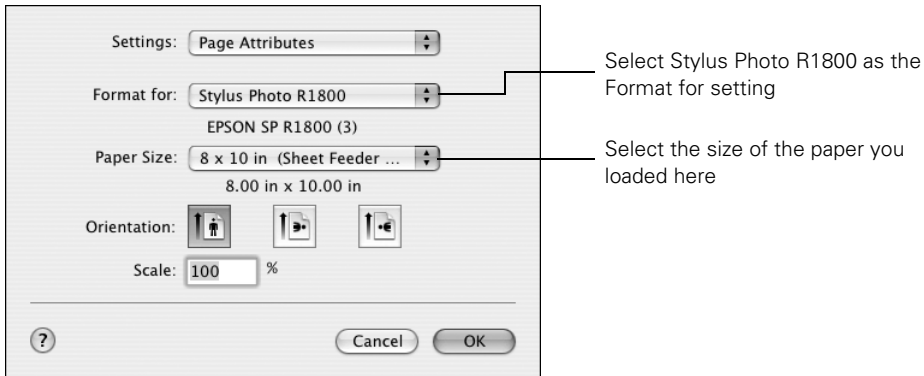
## Windows

1. Start your printing application and open your photo file.
2. Open the File menu and click **Print**, then click **Properties** or **Preferences**.
3. Select **Photo** or **Best Photo** as the Quality Option.
4. Choose **Sheet** as the Source setting.
5. Select the type of paper you loaded as the Type setting. See page 38 for details.
6. Click the **Borderless** checkbox.
7. Select your paper size as the Size setting.
8. Select **Portrait** or **Landscape** as the orientation setting.
9. Click the **Page Layout** tab, then adjust the Expansion setting. Choose **Min** for the least amount of image expansion (with a chance that there may be small borders around the edges), **Mid** for a larger amount of image expansion (some of the image will be cut off around the edges, but it will extend to the edge of the paper).
10. Click **OK**, then click **OK** or **Print**.



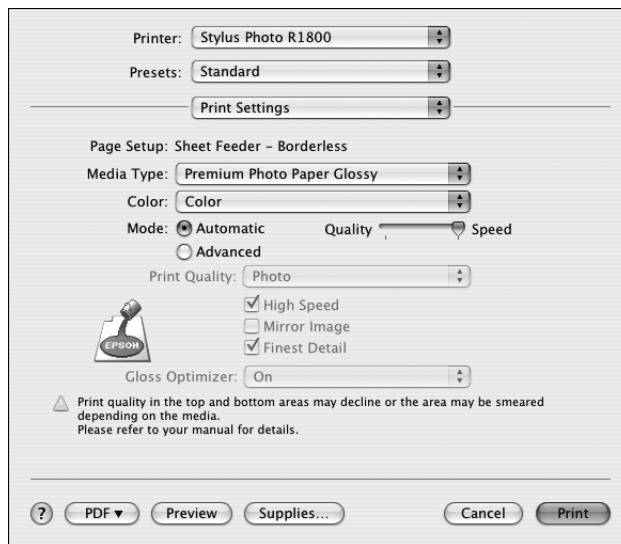
## Mac OS X

1. Start your printing application and open your photo file.
2. Click File > Page Setup.
3. Select Stylus Photo R1800 as the Format for setting.



4. Select the size of the paper you loaded with a **Sheet Feeder - Borderless** source as the Paper Size setting.
5. Select one of the portrait or landscape orientation icons as the Orientation setting.
6. Click OK.

7. Click **File > Print**.
8. For the Printer setting, select **Stylus Photo R1800**.



9. Select **Print Settings** from the pop-up menu.
10. Select the type of paper you loaded as the Media Type setting. See page 38.  
**Note:** If you can't choose your paper type, check your Page Setup settings to make sure you selected the correct paper size and source. (See page 32.)
11. Move the slider to the **Quality** setting.
12. Choose **Expansion** from the pop-up menu, then adjust the Expansion setting. Choose **Min** for the least amount of image expansion (with a chance that there may be small borders around the edges), **Mid** for a larger amount of image expansion, or **Max** for the greatest amount of expansion (some of the image will be cut off around the edges, but it will extend to the edge of the paper).
13. Click **Print**.



# Managing Color With Profiles

Follow the steps in this section to use color profiles for printing with Adobe Photoshop (the instructions cover Photoshop 7, CS, CS2, and CS3).

Carefully follow the instructions in these sections for the best results:

- “Printing With a Color Profile” below
- “Solving Color Management Problems” on page 58
- “Printing a Custom Profile Test Target” on page 59
- “Creating a Custom Profile” on page 62

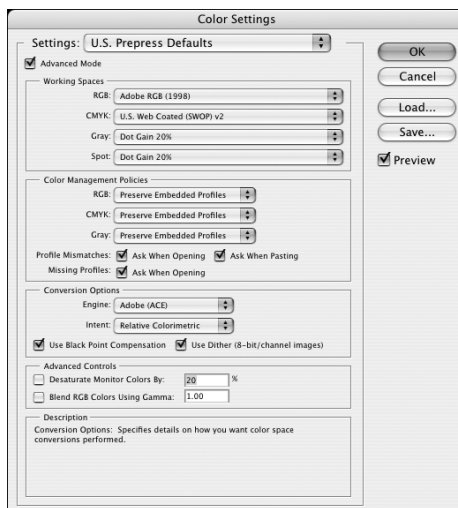
## Printing With a Color Profile

To print an image using a profile, follow the steps in the appropriate section for your operating system below.

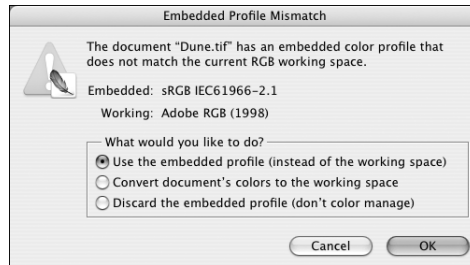
### Mac OS X

#### Opening Your Image

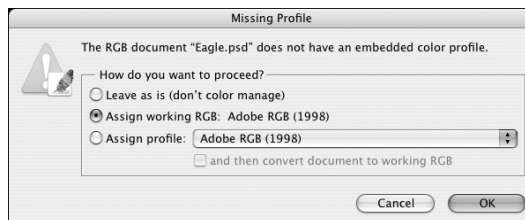
1. Open Adobe Photoshop.
2. Select **Color Settings** from the **Photoshop** menu (Photoshop 7 or CS) or the **Edit** menu (Photoshop CS2 or CS3).
3. Select **U.S. Prepress Defaults** or **North America Prepress 2** from the **Settings** pull-down menu. This sets **Adobe RGB (1998)** as the RGB working space and activates warning messages for profile mismatches and missing profiles. Click **OK**.



4. Open the photo you want to print.
5. If you see the message shown below, select **Use the embedded profile (instead of the working space)** option and click **OK**. It is generally best to use the embedded profile.



6. If you see the message shown below, select **Assign working RGB: Adobe RGB (1998)** and click **OK**.



7. When your image appears, evaluate the color balance and contrast as displayed on your monitor. If they need improvement, select **Image > Mode > Assign Profile** (for Photoshop CS and 7) or **Edit > Assign Profile** (for Photoshop CS2 and CS3). Select one of the following as the Profile setting:
  - A different RGB working space, such as **ColorMatch RGB** or **sRGB IEC61966-2.1**
  - A scanner profile for your scanner
  - A camera profile for your digital camera

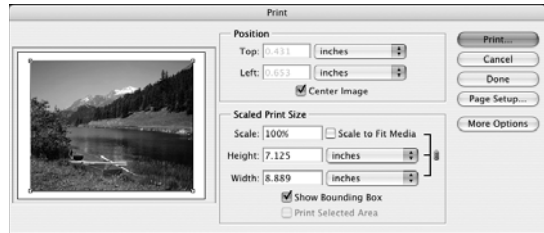
Also click the **Preview** box so you can see the effects of your profile choice on the screen.

**Tip:** This is most effective when your monitor is calibrated using a hardware device such as the X-Rite® Eye-One® Display 2 or Color vision® Spyder2.™

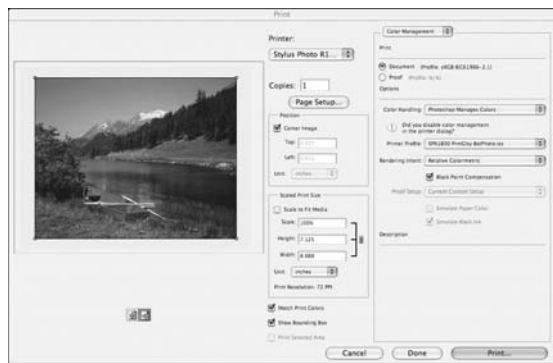
**Note:** Assigning a profile to the image doesn't alter the image data, only the interpretation of the data by your software and how it appears on your monitor and in a printout. This is the best way to improve the color balance and contrast in your image.

## Selecting Your Print Settings

1. Select File > Print or Print with Preview.
2. If you see the window on the right, click **More Options** or **Show More Options**. Then select **Color Management** from the pop-up menu.



Photoshop CS and 7



Photoshop CS3

3. Click the **Page Setup** button to change the page size and orientation settings as necessary, then click OK.
4. Under **Color Handling** in Photoshop CS2, select **Let Photoshop Determine Colors**. In CS3, select **Photoshop Manages Colors**.
5. Under **Print Space: Profile** or **Options: Printer Profile**, select a profile for your printer and the paper you'll use for the print. If you're printing with Epson Premium ICC profiles, select the profile that matches the print quality you want to use.

**Note:** The Epson Premium ICC profiles can be identified with the suffix ".icc," for example, "SPR1800 PrmGlsy BstPhoto.icc."

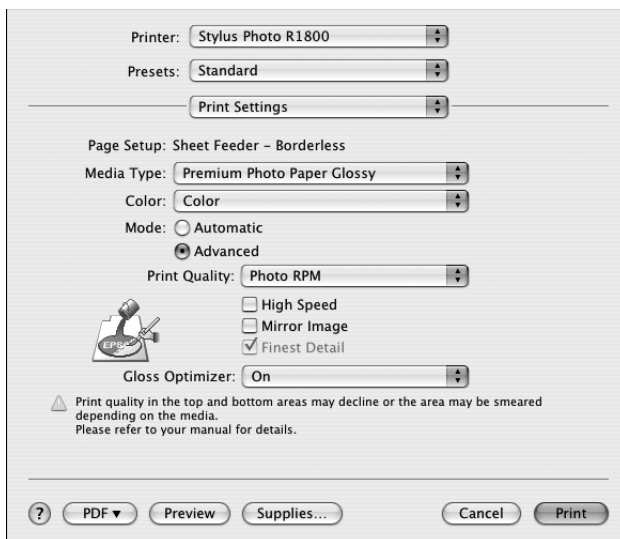
6. As the Print Space: Intent setting, select **Relative Colorimetric**.

**Note:** If your image contains very saturated colors, select **Perceptual**. This reduces the color saturation so that the colors fit within the printer's color gamut.

7. Select the **Black Point Compensation** checkbox.

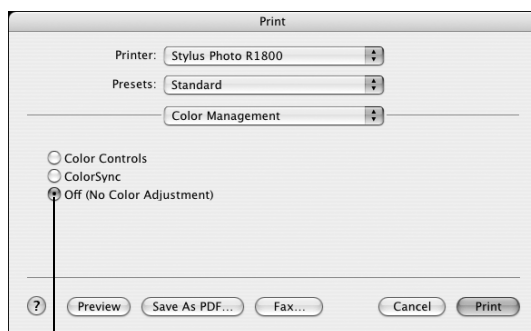
### ***Printing Your Color-Managed Photo***

1. Click the **Print** button.
2. Select **Stylus Photo R1800** from the Printer menu.
3. Select **Print Settings** from the pop-up menu.



4. Select the **Media Type** setting for the paper you'll use for the printer.
5. Click the **Advanced** button.
6. If you are using an Epson Premium ICC profile, set the **Print Quality** setting to match your profile.

7. If you are printing on any of the following glossy media, make sure Gloss Optimizer is set to **On**:
  - Ultra Premium Photo Paper Glossy or Ultra Premium Glossy Photo Paper
  - Premium Photo Paper Glossy or Premium Glossy Photo Paper
  - Premium Photo Paper Semi-gloss or Premium Semigloss Photo Paper
  - Ultra Premium Photo Paper Luster or Premium Luster Photo Paper
  - PremierArt Water Resistant Canvas
8. Turn *off* the High Speed option.
9. Select **Color Management** from the pop-up menu.



**IMPORTANT!**  
Select Off (No Color Adjustment)

10. Select **Off (No Color Adjustment)**.

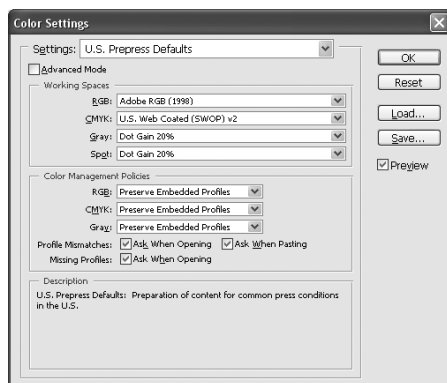
**Note:** Make sure that you select **Off (No Color Adjustment)**. If you don't, the printer driver will apply additional correction to the image data, producing inaccurate results.

11. Click **Print** to print your photo.

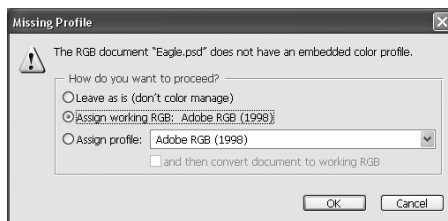
# Windows

## Opening Your Image

1. Open Adobe Photoshop.
2. Select **Edit > Color Settings**.
3. Select **U.S. Prepress Defaults** or **North American Prepress 2** from the Settings pull-down menu. This sets **Adobe RGB (1998)** as the RGB working space and activates warning messages for profile mismatches and missing profiles. Then click **OK**.
4. Open the photo you want to print.
5. If you see a message like the one below, select **Use the embedded profile** (instead of the working space) option and click **OK**. It is generally best to use the embedded profile.



6. If you see a message like the one below, select **Assign working RGB: Adobe RGB (1998)** and click **OK**.



7. When your image appears, evaluate the color balance and contrast as displayed on your monitor. If they need improvement, select **Image > Mode > Assign Profile** (for Photoshop CS and 7) or **Edit > Assign Profile** (for Photoshop CS2 and CS3). Select one of the following as the Profile setting:
  - A different RGB working space (or Profile), such as **ColorMatch RGB** or **sRGB IEC61966-2.1**
  - A scanner profile for your scanner
  - A camera profile for your digital camera

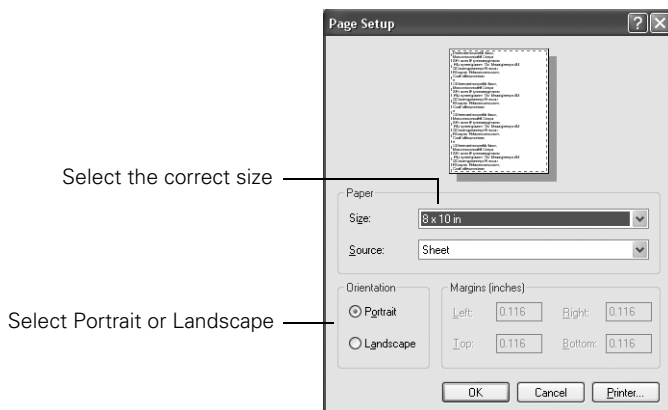
Also click the **Preview** box so you can see the effects of your profile choice on the screen.

**Note:** Assigning a profile to the image doesn't alter the image data, only the interpretation of the data by your software and how it appears on your monitor and in a printout. This is the best way to improve the color balance and contrast in your image.

8. Click **OK**.

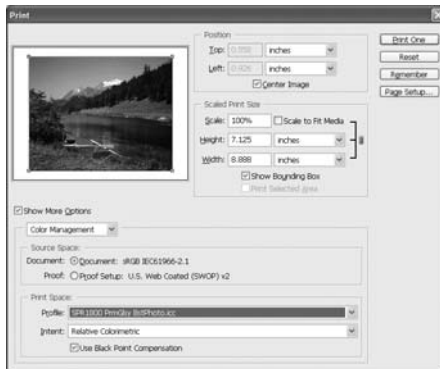
## **Selecting Your Print Settings**

1. Select **File > Page Setup**.
2. Select the **Size** for your paper and the correct **Orientation** for your image:

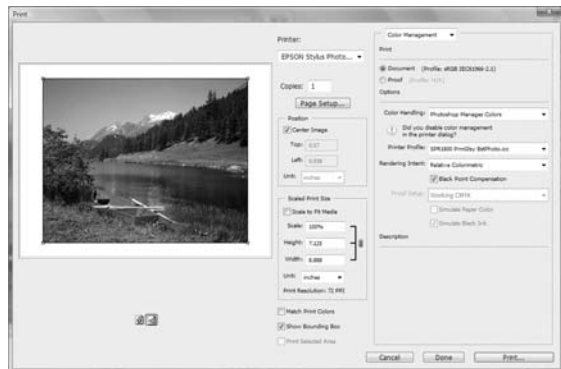


3. Click **OK**.

4. Select **File > Print** or **Print with Preview**.
5. If necessary, click **More Options** or **Show More Options**. If you see **Output**, select **Color Management** from the pull-down menu. Additional options appear:



Photoshop CS and 7



Photoshop CS3

6. Under **Color Handling** in Photoshop CS2, select **Let Photoshop Determine Colors**. In CS3, select **Photoshop Manages Colors**.
7. Under **Profile** or **Printer Profile**, select a profile for your printer and the paper you'll use for the print. If you're printing with Epson Premium ICC profiles, select the profile that matches the print quality you want to use.

**Note:** The Epson Premium ICC profiles can be identified with the suffix ".icc," for example, "SPR1800 PmGlsy BstPhoto.icc."

8. For the **Intent** or **Rendering Intent** setting, select **Relative Colorimetric**.

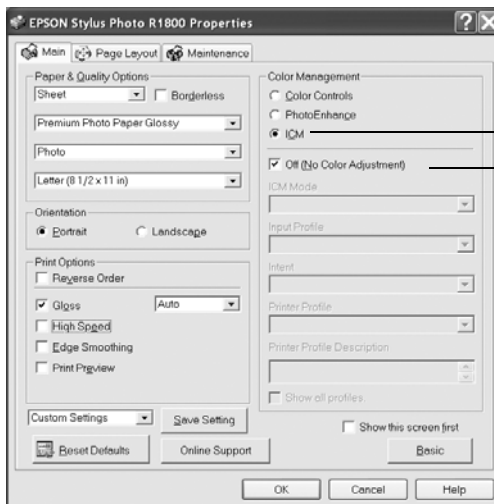
**Note:** If your image contains very saturated colors, select **Perceptual**. This reduces the color saturation so that the colors fit within the printer's color gamut.

9. Select the **Black Point Compensation** checkbox.



## Printing Your Color-Managed Photo

1. Click the Print button.
2. Make sure your printer is selected, and click the Properties or Preferences button.
3. If you are using an Epson Premium ICC profile, set the Quality Option setting to match your profile.
4. Select the Type setting for the paper you'll use for the print.
5. Click the Advanced button and click Continue.
6. Turn *off* the High Speed and Edge Smoothing options, if they are available.
7. Select the ICM button under Color Management, then check the Off (No Color Adjustment) box.



**IMPORTANT!**  
Select ICM, then check the Off  
(No Color Adjustment) box

**Note:** Make sure that you select **Off (No Color Adjustment)**. If you don't, the printer driver will apply additional correction to the image data, producing inaccurate results.

8. If you are printing on any of the following glossy media, make sure the **Gloss** checkbox is selected:
  - Ultra Premium Photo Paper Glossy or Ultra Premium Glossy Photo Paper
  - Premium Photo Paper Glossy or Premium Glossy Photo Paper
  - Premium Photo Paper Semi-gloss or Premium Semigloss Photo Paper
  - Ultra Premium Photo Paper Luster or Premium Luster Photo Paper
  - PremierArt Water Resistant Canvas
9. Click OK.
10. Click OK or Print to print.

## ***Solving Color Management Problems***

If you selected the wrong combination of source profile, printer profile, and color management settings, you'll get unexpected results. Try these solutions:

- If your printed image is darker than expected and/or has a strong yellow-brown cast, you probably turned off color management in both Photoshop and the Epson printer driver.

Return to the Print or Print with Preview instructions for Adobe Photoshop on page 51 (for Mac OS X) or page 55 (for Windows). Make sure the Source Space - Document option is *not* set to **Untagged RGB**. Also make sure you selected the correct profile for your printer in the Print Space - Profile menu.

- If your printed image is lighter than expected and/or has a strong light blue cast, you probably turned on color management in both Photoshop and the Epson printer driver.

Return to the instructions on page 53 (for Mac OS X) or page 57 (for Windows). Make sure to select **Off (No Color Adjustment)** in the printer driver Advanced screen or Color Management menu to turn off color management in your Epson printer driver.

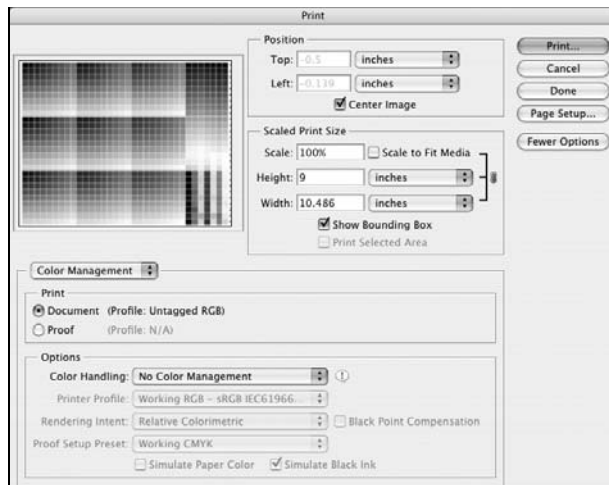
## Printing a Custom Profile Test Target

Follow the steps in this section to create and print individual custom profile test targets for each paper type you plan to print on.

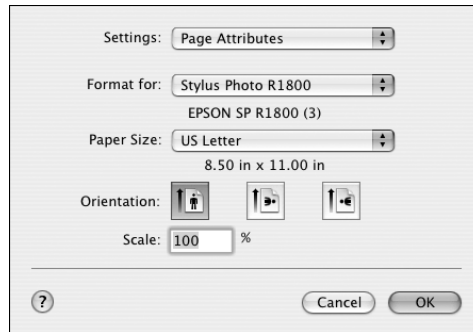
When you're ready to print the test target, follow the steps for your operating system below.

### Mac OS X

1. Open Adobe Photoshop and open the profile target file provided by your profile-building software manufacturer.
2. If you see a missing profile screen, select **Leave as is (don't color manage)**.
3. Select **File > Print with Preview**.
4. In the Print window, click the **Show More Options** checkbox (if necessary), then choose **Color Management** in the pop-up menu.
5. Select **No Color Management** in Photoshop CS2 and CS3 or **Same as Source** as the Print Space: Profile setting in Photoshop CS and 7.



6. Click the **Page Setup** button.



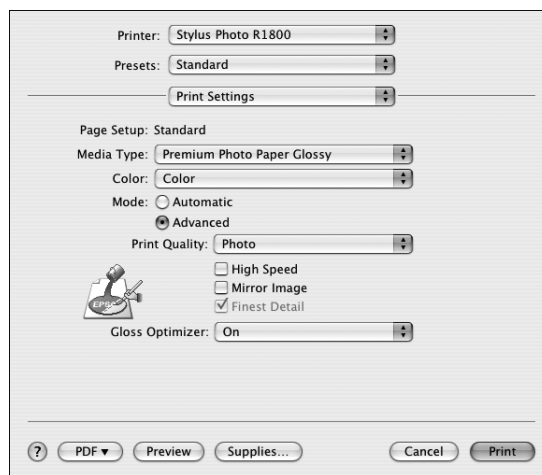
7. Select **Stylus Photo R1800** from the **Format for** menu.

8. Select the appropriate **Paper Size** and **Orientation** settings, then click **OK**.

9. Click the **Print** button.

10. Select your printer from the **Printer** menu, then select **Print Settings** from the pop-up menu.

11. Select the **Media Type** setting for the profile you're printing.



12. Click the **Advanced** button.

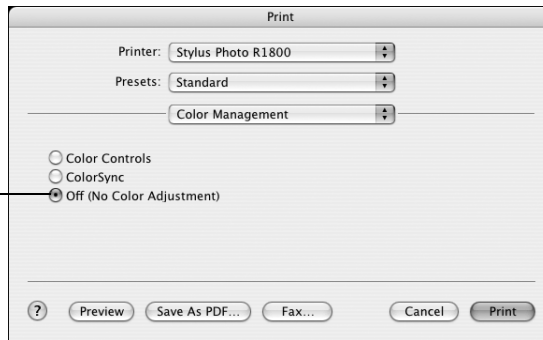
13. Select your desired level as the **Print Quality** setting.

14. Turn *off* the **High Speed** option.

15. Select **Color Management** from the pop-up menu.
16. Click **Off (No Color Adjustment)**.

**IMPORTANT!**

Select **Off (No Color Adjustment)**

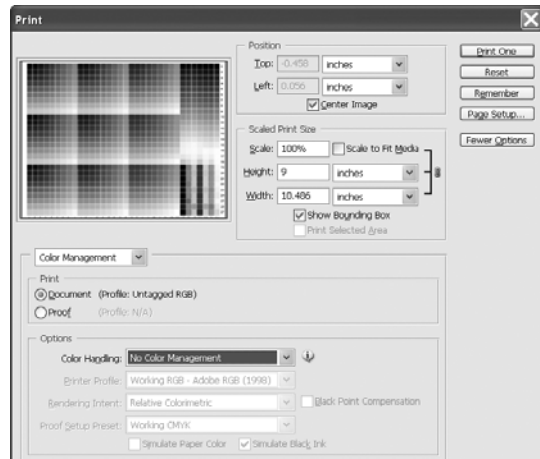


17. Click **Print** to print your test target.
18. Repeat these steps to print a test target for each paper type and **Print Quality** setting you plan to print with.

## Windows

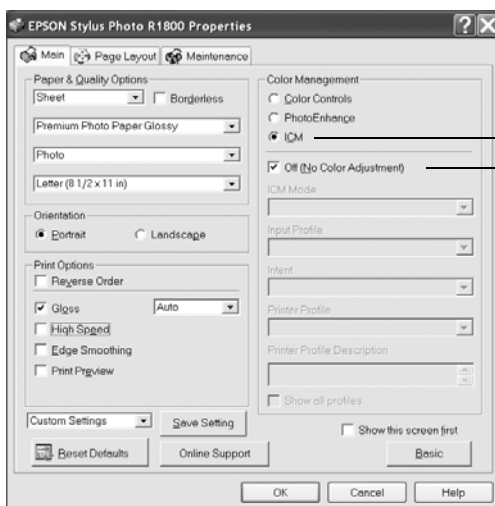
1. Open Adobe Photoshop and open the profile target file.
2. If you see a missing profile screen, select **Leave as is (don't color manage)**.
3. Select **File > Print** or **Print with Preview**.

4. In the **Print** window, click the **Show More Options** checkbox (if necessary), then choose **Color Management** in the drop-down menu.



5. Select **No Color Management** in Photoshop CS2 and CS3 or **Same as Source** for the **Print Space: Profile** setting in Photoshop CS and 7.
6. Click the **Print** button.
7. Click the **Properties** or **Preferences** button.

8. Click the **Advanced** button and click **Continue**.
9. Select the media type setting for the paper you'll use for the print.
10. Select the print quality desired: **Photo** (1440 × 720 dpi), **Best Photo** (1440 × 1440 dpi), or **PhotoRPM** (5760 × 1440 dpi).
11. Turn *off* the High Speed and Edge Smoothing options, if they are available.
12. Click the ICM button under Color Management and select **Off (No Color Adjustment)**.



**IMPORTANT!**  
Select ICM, then select  
Off (No Color Adjustment)

13. Click **OK**.
14. Click **OK** or **Print** to print.
15. Repeat these steps to print a test target for each paper type and Quality Option setting you plan to print with.

## ***Creating a Custom Profile***

If you're creating a custom profile for your printer, follow the instructions provided with your profile-building software (such as MonacoPROFILER by X-Rite or GretagMacbeth® ProfileMaker) to create your custom profile using the test target you printed. Once you create the profile, be sure to place it in the correct folder on your computer, as recommended by Microsoft or Apple®.

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# Easy Printing With Photoshop Elements 3.0

If you are using Adobe Photoshop Elements 3.0 with Windows, you can take advantage of the Epson EasyPrint interface when you're ready to print. It lets you select your basic settings directly from the Print window, so you don't need to open the Properties or Preferences window to access the printer driver.

This one-stop printing feature also prevents conflicts between software and driver settings by making them both match.

Complete instructions for using Adobe Photoshop Elements 3.0 are provided in the *Getting Started Guide* installed with Photoshop Elements. Follow these steps to open Elements and access the EasyPrint interface:

1. To start the program, double-click the **Adobe Photoshop Elements 3.0** icon on your desktop.
2. Select **View and Organize Photos**. You see the Photo Browser workspace and **Organizer** at the top of the screen.
3. Open the folder containing the photo(s) you want to print. Select **Get Photos** from the File menu and choose an option such as **From Files and Folders**. Then select the photo(s).

If you need to edit a photo, go to step 4. If you are ready to print, go to step 5.

4. To edit a photo, click the **Edit** button and choose either **Go To Quick Fix** or **Go To Standard Edit**. When you finish editing and are ready to print, click **Photo Browser** to return to **Organizer** mode. Do not print from **Editor** mode.

**Note:** If you print in **Editor** mode, you do not see the Epson EasyPrint interface. To access the printer settings, click **File > Print > Print >**, select your printer, and then click **Properties**.

5. Select Print from the File menu. You see the Epson EasyPrint interface:



6. Change your print settings, as necessary.

7. Click Print to start printing.



# Printing on CDs and DVDs

Your printer includes a special tray that lets you print customized text, graphics, and photos directly on any ink jet printable CD or DVD. The Epson Print CD software makes it easy to import your own photos, add text, and modify your designs with a variety of special effects. You can print on both regular 12-cm discs and 8-cm mini CDs.

**Caution:** Use only ink jet-printable CDs or DVDs for printing. Do not use thermal-printable or regular CDs or DVDs.

You can order CDs and DVDs with an ink jet printable surface from your local retailer or a website such as [www.pcmall.com](http://www.pcmall.com), [www.cdw.com](http://www.cdw.com), [www.americaL.com](http://www.americaL.com), [www.zones.com](http://www.zones.com), [www.macconnection.com](http://www.macconnection.com), and [www.pcconnection.com](http://www.pcconnection.com).



Follow the steps in these sections to print on your CDs or DVDs:

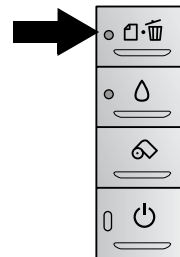
- “Cleaning the Roller” on page 66
- “Inserting a CD or DVD” on page 66
- “Printing Your Design” on page 69
- “Adjusting the Print Position” on page 70
- “Adjusting the Print Density” on page 71

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## Cleaning the Roller

Before you print on CDs or DVDs, you may need to clean the roller inside the printer. You can do this by feeding and ejecting several sheets of plain paper.

1. Open the output tray and extension.
2. Open the paper support and pull up the support extensions.
3. Turn on the printer and load several sheets of letter-size paper.
4. Press the  paper button to feed the paper.
5. Press the  paper button again to eject the paper.
6. Repeat steps 4 and 5 several times to completely clean the roller.



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## Inserting a CD or DVD

Make sure the data, music, or video is burned on your ink jet printable CDs or DVDs before you print. Otherwise, dirt or scratches on the surface may cause errors when you burn the data. If you plan to print large numbers of CDs or DVDs, it's a good idea to print a small sample, then wait a day and check the quality to make sure it is satisfactory.

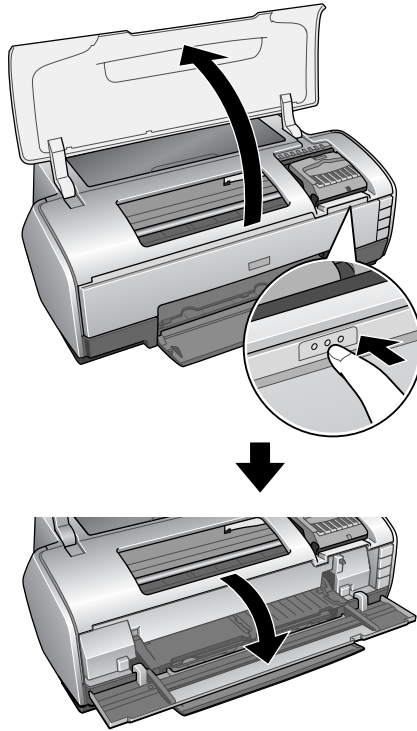
If you want to check the print position or color before printing on your actual CD or DVD, see “Adjusting the Print Position” on page 70 or “Adjusting the Print Density” on page 71.

1. Turn on the printer.

**Note:** Before you insert a CD or DVD, make sure the printer is turned on. Otherwise, the disc may not be positioned correctly.

2. Remove any paper from the sheet feeder, then push in the paper support extensions and close the paper support.
3. If the output tray and extension are open, push them in, but leave the flap at the end of the tray down.

4. Lift up the printer cover and press in the top of the CD/DVD tray guide as shown.

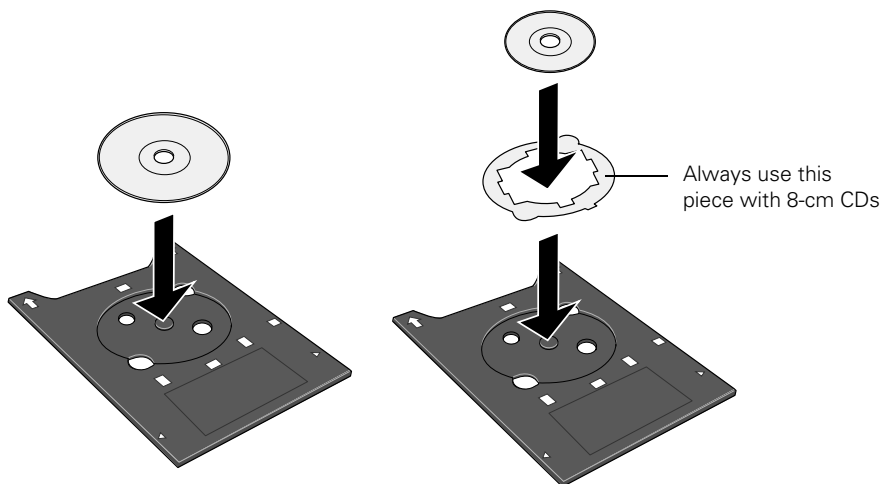


5. Lower the CD/DVD tray guide.

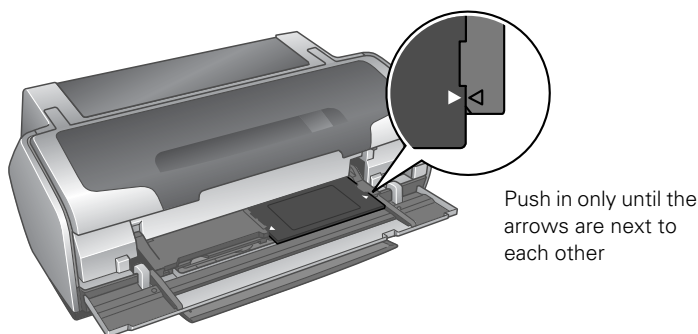
6. Place the CD or DVD on the CD tray with the white or printable side face-up.



To print on a small CD (8 cm), place the small CD ring on the tray first, then place the CD inside the ring.

**Caution:** Make sure you always use the small CD ring when printing 8-cm CDs and that the CD and ring lay flat on the tray; otherwise the printer may be damaged.



7. Slide the tray into the CD/DVD tray guide. Push in the tray until the arrows on the tray and the tray guide are aligned, as shown below.



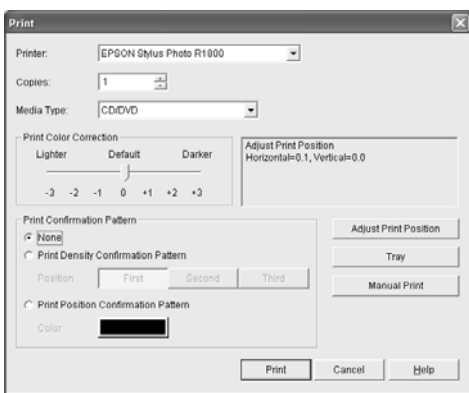
8. Press the  paper button to load the CD or DVD into printing position. It is loaded when the  power button stops flashing.
9. Use Epson Print CD to design your CD or DVD (for instructions, see the on-screen Help), then print your CD or DVD, following the instructions below.

# Printing Your Design

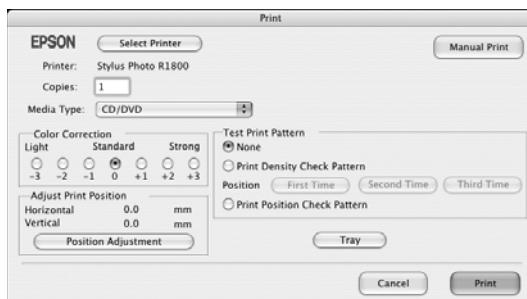
After you have created your design and loaded a CD or DVD, you're ready to print.

**Note:** If you're using a hub-printable CD or DVD, you may want to adjust the print area. Measure the printable area of your CD or DVD, then open the File menu, select **Inner/Outer Diameter Settings**, and adjust the measurements. For information on designing CDs and DVDs, see the Epson Print CD on-screen Help.

1. Start Epson Print CD, if necessary, and open your design file.
2. Open the File menu and select **Print**.
3. Make sure **EPSON Stylus Photo R1800** is selected, then click **Print**.



Windows



Macintosh

The printer prints your CD or DVD and ejects it on the tray.

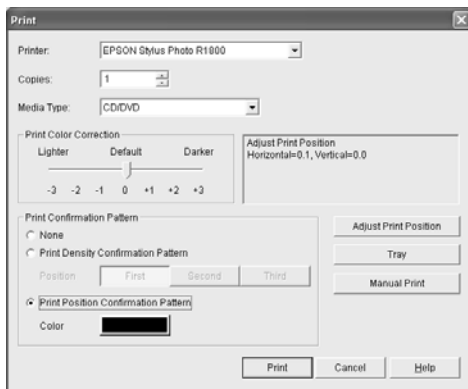
**Note:** After you print, handle the CD or DVD carefully. To allow the ink to dry fully, wait at least 24 hours before playing the disc or inserting it in a drive. Keep printed discs away from moisture and direct sunlight.

If you need to adjust the print position or color, see the instructions for “Adjusting the Print Position” on page 70 and “Adjusting the Print Density” on page 71.

# Adjusting the Print Position

If your printed images and text are not positioned the way you want, you may need to adjust the printing position. Use the blank cardboard position check disk included with your printer or an extra CD. You can also use these steps to check the position before you print on a CD or DVD.

1. Place the position check disk (or an extra ink jet printable CD) on the CD tray and insert it into the printer, as described on page 66.
2. Start Epson Print CD.
3. Select **Print** from the File menu.
4. Make sure **EPSON Stylus Photo R1800** is selected, then click **Print Position Confirmation Pattern (Windows)** or **Print Position Check Pattern (Macintosh)**.

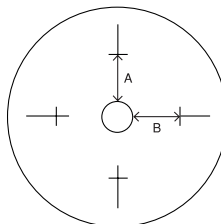


Windows

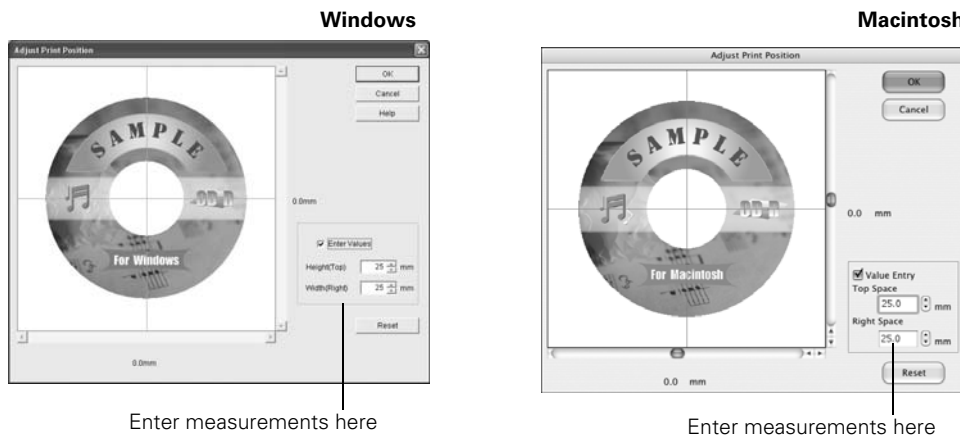


Macintosh

5. Click **Print**. The confirmation pattern is printed on the position check disk or CD and the printer ejects the tray.



- Remove the position check disk or CD and measure the distance from the edge of the hole to the small cross marks (distances labeled A and B as shown). You'll need a metric ruler with millimeters for these measurements.
- Open the File menu and select **Adjust Print Position**. You see a screen like this:



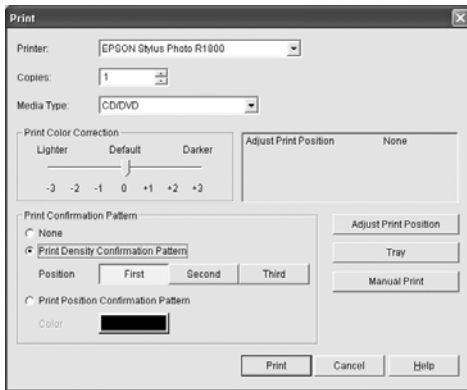
- Make sure **Enter Values** (Windows) or **Value Entry** (Macintosh) is checked. Input the A distance in the **Height (Top)** or **Top Space** box. Enter the B distance in the **Width (Right)** or **Right Space** box.
- Click **OK** to save the measurements.

## Adjusting the Print Density

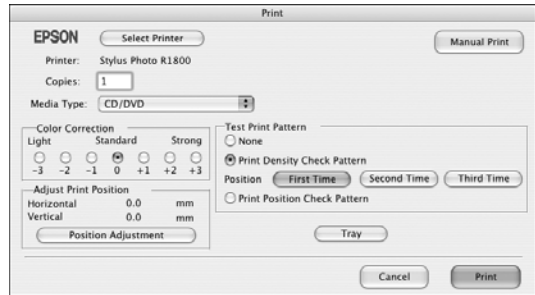
If ink smears on your printed CDs or DVDs, you may need to adjust the color saturation or ink density. Discs from different manufacturers may absorb ink differently, so you may need to adjust the density for each type of disc. Follow these instructions to print a color saturation check pattern and make adjustments as necessary.

- Start EPSON Print CD.
- Insert a test CD or DVD for printing, as described on page 66.
- Select **Print** from the File menu.

4. Make sure EPSON Stylus Photo R1800 is selected, then click Print Density Confirmation Pattern (Windows) or Print Density Check Pattern (Macintosh).



Windows



Macintosh

5. Click Print. The printer prints the pattern and ejects the tray.
6. After the pattern is printed, examine the print and make the Print Color Correction (Windows) or Color Correction (Macintosh) setting lighter or darker as necessary.  
  
You can print three density patterns on one disc. Each pattern is printed in a different location.
7. After the first pattern is printed, adjust the setting, then repeat steps 2 through 6, selecting Second or Second Time to print the second pattern.
8. If you want to try a third Color Correction setting, you can repeat steps 2 through 6 again and select Third or Third Time.
9. Remove the CD or DVD and let it dry for at least 24 hours. Then check the saturation levels again.

You can also use the **Brightness** and **Contrast** settings in Epson Print CD to adjust color saturation. See the Epson Print CD on-screen Help for instructions.



# Maintaining Your Printer

Follow the instructions in this chapter to keep your printer working at its best and to prepare it for moving, if necessary:

- “Cleaning the Print Head” below
- “Replacing an Ink Cartridge” on page 76
- “Aligning the Print Head” on page 80
- “Cleaning the Printer” on page 82
- “Transporting the Printer” on page 83



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## Cleaning the Print Head

If your printouts are unexpectedly light, or dots or lines are missing, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly. Print head cleaning uses ink, so clean it only if quality declines.

**Caution:** When you don't turn on your printer for a long time, print quality can decline, so turn it on at least once a month to maintain good print quality.


This section explains how to clean the print head using the Auto Nozzle Check and Cleaning utility and the Head Cleaning utility. Use the Auto Nozzle Check and Cleaning utility first, to let the printer check and clean the nozzles. If you still notice problems with quality, you can manually clean the print head.

**Note:** You can also clean the print head by holding down the  ink button on the printer for three seconds (when the red  ink light is off).

## Automatically Checking and Cleaning the Print Head

The Auto Nozzle Check and Cleaning utility prints a nozzle check pattern that the printer then reads to see if you have any clogged nozzles. If cleaning is needed, the printer automatically cleans the print head.

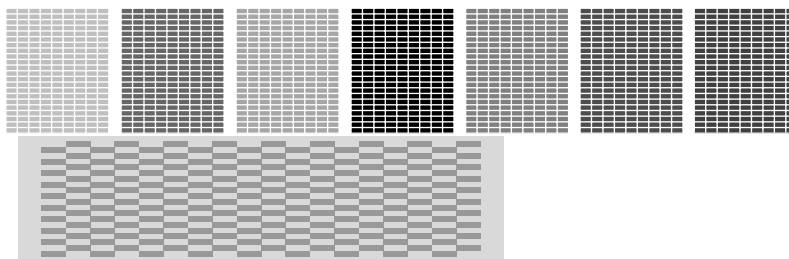
1. Make sure the printer is turned on but not printing, and the red  $\triangle$  ink light is off. (If the  $\triangle$  ink light is flashing or on, you need to replace a cartridge; see page 76.)
2. Load several sheets of plain, letter-size paper in the printer's sheet feeder.
3. Do one of the following:

**Windows:** Right-click the  icon on your taskbar (in the lower right corner of your screen). Select **Auto Head Cleaning**.

**Note:** If the icon does not appear, click **Start > Printer (and Faxes)**, right-click on **EPSON Stylus Photo R1800**, and select **Printing Preferences**. Select the **Maintenance** tab and click **Auto Nozzle Check and Cleaning**.

**Mac OS X:** Open the **Applications** folder and select **EPSON Printer Utility**. Select **SP R1800**, click **OK**, and select **Auto Nozzle Check and Cleaning**.

4. Follow the instructions on the screen. The printer prints and examines the nozzle check pattern shown below. If cleaning is necessary, it then cleans the print head and prints and checks another nozzle check pattern.




5. The utility prints and checks up to five times. If some print head nozzles are still clogged, it displays an on-screen message telling you to manually clean the print head. Follow the instructions on page 75 to clean the print head, if necessary.

If you still have print quality problems, check the solutions beginning on page 93. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

## Running the Head Cleaning Utility

1. Make sure the printer is turned on but not printing, and the red  $\Delta$  ink light is off. (If the  $\Delta$  ink light is flashing or on, you need to replace a cartridge; see page 76.)
2. Do one of the following:

**Windows:** Right-click the  icon on your taskbar (in the lower right corner of your screen). Select **Head Cleaning**.

**Note:** If the icon does not appear, click **Start > Printer (and Faxes)**, right-click on **EPSON Stylus Photo R1800**, and select **Printing Preferences**. Select the **Maintenance** tab and click **Head Cleaning**.

**Mac OS X:** Open the **Applications** folder and select **EPSON Printer Utility**. Select **SP R1800**, click **OK**, and select **Head Cleaning**.

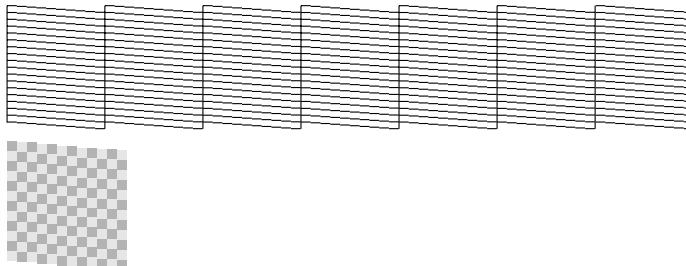
3. Follow the instructions on the screen to clean the print head.

Cleaning takes about two minutes, during which the printer makes noise and the green  $\mathcal{P}$  power light flashes.

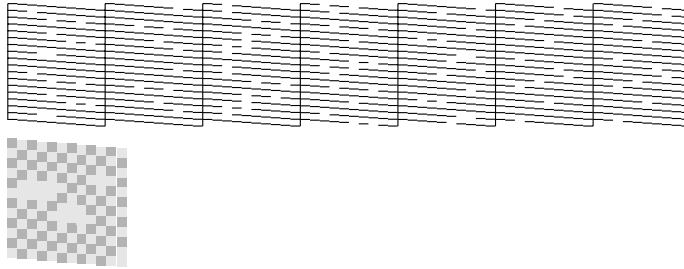
**Caution:** Never turn off the printer while the green  $\mathcal{P}$  power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.



4. When the green  $\mathcal{P}$  power light stops flashing, make sure paper is loaded in the printer. Click **Print nozzle check pattern**, then click **Print** (Windows) or click **Confirmation**, then click **Next** (Macintosh). The nozzle check pattern prints.
5. If the nozzle check pattern has no gaps or lines (as shown below), click **Finish**.




If the pattern has white lines or gaps (as shown below), click **Clean** to clean the print head again.




If you don't see any improvement after cleaning the print head three or four times, check the solutions beginning on page 93. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then clean the print head again.


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## Replacing an Ink Cartridge

When the red  ink light flashes, an ink cartridge is low on ink.

When the red  ink light stays on, you need to replace a cartridge.


You can open the printer cover to check the ink light indicating a cartridge that is low on ink or needs to be replaced.

When a cartridge is more than six months old, you may need to replace it if printouts don't look their best. If the quality doesn't improve after cleaning and aligning the print head, you can replace the cartridge even if the red  ink light is off.

**Caution:** Don't open Epson Status Monitor or respond to any ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing.

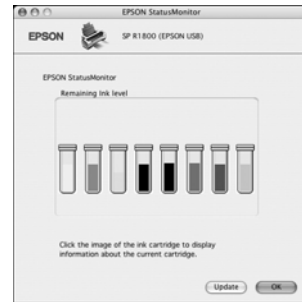
## Checking the Ink Levels

To see an estimate of your ink levels, do one of the following:

- **Windows:** Double-click the  icon on the Windows taskbar. You see a window like this:
- **Mac OS X:** Choose Applications > EPSON Printer Utility > SP R1800 > EPSON StatusMonitor.

You see a window like this:

Click a cartridge image to display information about the cartridge.



## Purchasing Ink Cartridges

Use these Epson ink cartridges within six months of installing them and before the expiration date on the package:

Ink cartridge	Part number
Yellow	T054420
Magenta	T054320
Cyan	T054220
Matte Black	T054820
Photo Black	T054120
Red	T054720
Blue	T054920
Gloss Optimizer	T054020

**Caution:** To ensure good results, use genuine Epson ink cartridges and do not refill them. Other products may cause damage to your printer not covered by Epson's warranty.

You can purchase genuine Epson ink and paper from an authorized Epson reseller. To find the nearest reseller, please call 800-GO-EPSON (800-463-7766). Or purchase online at [www.epsonstore.com](http://www.epsonstore.com) (U.S. sales) or [www.epson.ca](http://www.epson.ca) (Canadian sales).

## ***Ink Cartridge Precautions***

**Warning:** Keep ink cartridges out of the reach of children; don't drink the ink.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them thoroughly with water.

**Caution:** To avoid damaging the printer, never move the print head by hand.

You cannot print if an ink cartridge is expended. Leave the expended cartridge installed in the printer until you have obtained a replacement. Otherwise the ink remaining in the print head nozzles may dry out.

## ***Removing and Installing Ink Cartridges***

Be sure you have a new ink cartridge before you begin. Once you start replacing a cartridge, you must complete all the steps in one session.

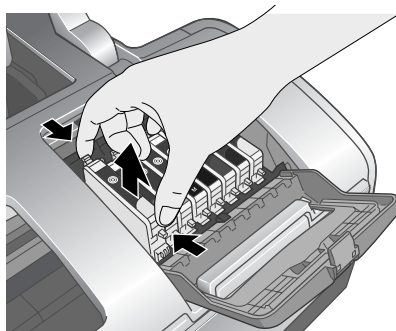
You can replace a cartridge whether the red  $\triangle$  ink light is off, flashing, or on.

1. Make sure the printer is turned on (the green  $\text{⏻}$  power light should be on, but not flashing). Then open the printer cover.
2. Press the  $\triangle$  ink button.

The print head moves and the green  $\text{⏻}$  power light flashes.

If a red ink light is flashing or on (indicating a low or expended cartridge), the cartridge(s) indicated beneath the light(s) needs to be replaced.

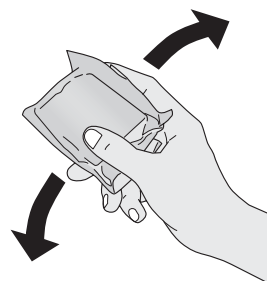
3. Lift up the cartridge cover.
4. Press in the tab on the back of the cartridge, lift it out of the printer, and dispose of it carefully.



5. Shake the new cartridge four or five times before opening its package. (Don't shake it after it's unpacked.)

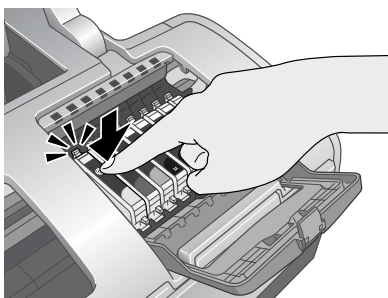
6. Remove the new cartridge from its package.

**Caution:** Don't touch the green circuit board on the front of the cartridge; you may inhibit normal operation and printing.



7. Slide the new cartridge into its slot. The side with the green circuit board goes in the front of the slot.

8. Press the cartridge down until it clicks into place.



9. If you need to replace any other ink cartridges, repeat steps 4 through 8.

10. Close the cartridge cover, press it down on the top until it clicks, then close the printer cover.

11. Press the  $\triangle$  ink button. The printer begins charging the ink delivery system.

The green  $\text{⏻}$  power light and red  $\triangle$  ink lights flash and the printer makes noise. Charging takes about 90 seconds. When it's finished, the green  $\text{⏻}$  power light stops flashing and stays on. The red  $\triangle$  ink light and the light(s) above the cartridge(s) go out.

**Caution:** Never turn off the printer while the green  $\text{⏻}$  power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.


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# Aligning the Print Head

If your printouts contain misaligned vertical lines, or you see light or dark horizontal banding, you may need to align the print head. You can have the printer automatically check and align the print head or you can check and adjust the alignment yourself.

## *Automatically Aligning the Print Head*

1. Turn on the printer.
2. Load letter-size Epson Presentation Paper Matte.
3. Do one of the following:

**Windows:** Right-click the  icon on your taskbar (in the lower right corner of your screen). Select **Print Head Alignment**.

**Note:** If the icon does not appear, click **Start > Printer (and Faxes)**, right-click on **EPSON Stylus Photo R1800**, and select **Printing Preferences**. Select the **Maintenance** tab and click **Print Head Alignment**.

**Mac OS X:** Open the **Applications** folder and select **EPSON Printer Utility**. Select **SP R1800**, click **OK**, and select **Print Head Alignment**.

You see a screen like this:


4. Click the **Automatic** button, if necessary, then click **OK**.
5. On the next screen, click **Start**. The printer prints and checks an alignment pattern, and then prints and checks two more patterns.
6. When alignment is finished, click **Finish** on the last screen.





## Manually Aligning the Print Head

1. Turn on the printer.
2. Load letter-size Epson Presentation Paper Matte.
3. Do one of the following:

**Windows:** Right-click the  icon on your taskbar (in the lower right corner of your screen). Select **Print Head Alignment**.

**Note:** If the icon does not appear, click **Start > Printer (and Faxes)**, right-click on **EPSON Stylus Photo R1800**, and select **Printing Preferences**. Select the **Maintenance** tab and click **Print Head Alignment**.

**Mac OS X:** Open the **Applications** folder and select **EPSON Printer Utility**. Select **SP R1800**, click **OK**, and select **Print Head Alignment**.

4. Click the **Manual** button, then click **OK**.

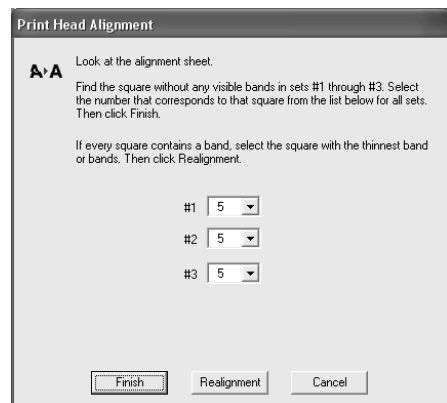
You see a screen like this as the printer prints an alignment check pattern:

5. On the check page, select the box in each pattern that has the least noticeable lines in it. You may need to use a magnifying glass or loupe.

Select one box for each pattern numbered 1 through 3. Then enter the box number for each pattern in the boxes on the screen.

If box #5 is *not* the best-aligned box in each pattern, click **Realignment** to print another test page and repeat this step.

6. When box #5 is the best-aligned in all the patterns, click **Finish**.

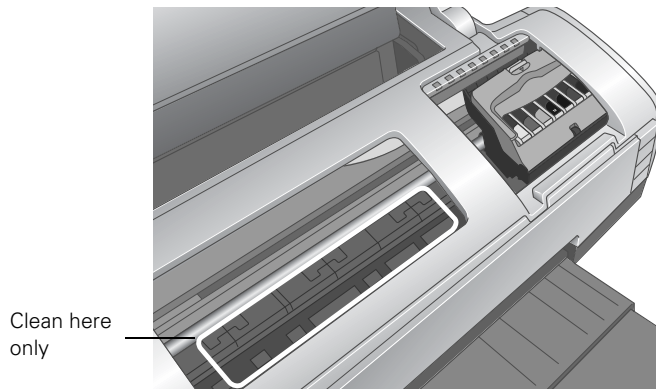


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# Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year.

1. Turn off the printer, unplug the power cord, and disconnect the interface cable.
2. Remove all the paper, then use a soft brush to clean the paper feeders.
3. Clean the exterior of the printer with a soft, damp cloth. Keep the paper support and printer cover closed as you clean the printer.
4. If you need to clean ink out of the inside of the printer, use a soft cloth to clean only the black plastic area shown below:



**Warning:** Don't touch the gears or rollers inside the printer.

**Caution:** Never use a hard or abrasive brush, or benzine, alcohol, or thinner for cleaning; they can damage the printer components and case.

Don't get water on the printer components and don't spray or apply lubricants or oils inside the printer.

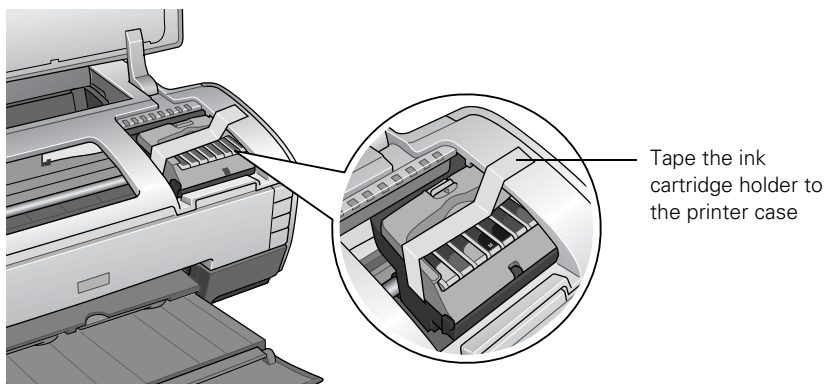
Don't use any cleaning sheets included with special paper; they may jam inside the printer.

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## Transporting the Printer

If you move your printer some distance, you need to prepare it for transportation in its original box or a similar one. Follow these steps:

1. Turn on the printer.
2. Turn off the printer and unplug the power cord from the electrical outlet. Then disconnect the printer cable from the printer.
3. Open the printer cover and tape the ink cartridge holder to the printer case using packing tape. Then close the printer cover.



**Caution:** Be sure to remove the tape after installing the printer in its new location.

4. Remove any paper from the printer, then remove the roll paper holder, if it is installed.
5. Close the output tray and the paper support.
6. Repack the printer and its attachments in the original box using the protective materials that came with them.
7. Keep the printer level as you transport it.
8. After transporting the printer, remove all the tape.
9. Test your printer. If you notice a decline in print quality, clean the print head (see page 73); if output is misaligned, align the print head (see page 80).



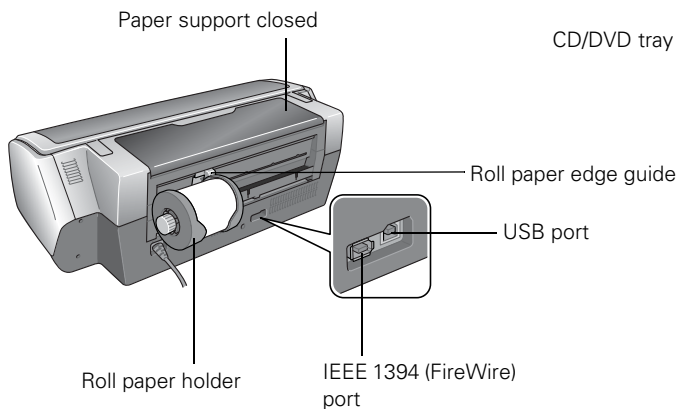
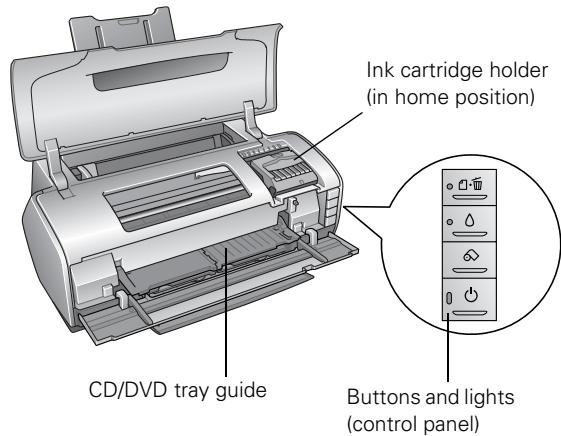
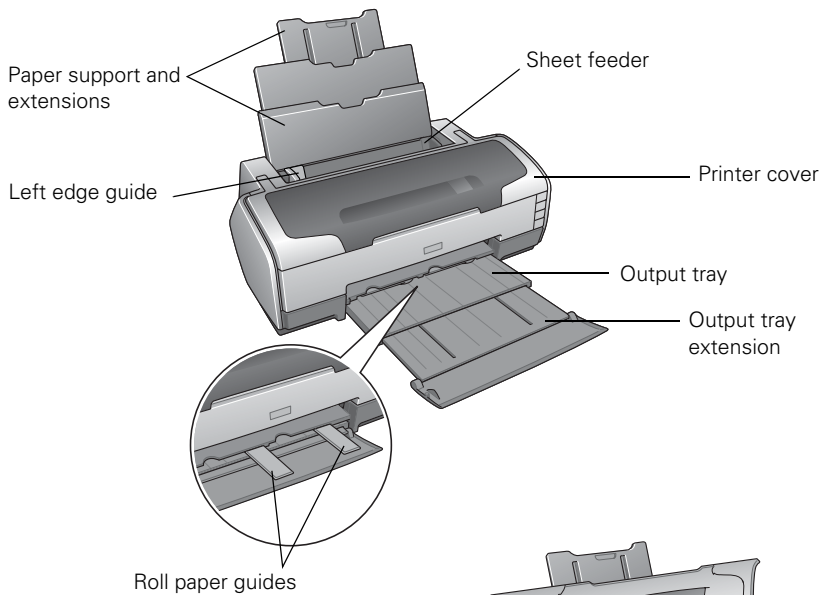
# Solving Problems

See “Diagnosing Printer Problems” on page 88 to help determine what the cause of your printer problem may be. Then see these sections for solutions:

- “Setup and Software Installation Problems” on page 90
- “Printer Problems” on page 91
- “Quality Problems” on page 93
- “Paper Problems” on page 95
- “CD/DVD Problems” on page 98
- “Miscellaneous Problems” on page 98
- “Uninstalling and Reinstalling Printer Software” on page 100
- “Where To Get Help” on page 101

**Tip:** It’s a good idea to check Epson’s support website periodically for free updates to your printer driver. Visit [epson.com/support](http://epson.com/support). Download instructions are posted for your convenience.







# Printer Parts



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## Printer Buttons




The table below summarizes the functions of the printer buttons.

Button	Uses
 paper	Loads or ejects paper. Resumes printing after a paper-out or multiple-sheet-feed error. Cancels a print job while printing.
 ink	Moves the print head to the ink cartridge replacement position and returns it to its home position.  Cleans the print head. Hold down the button for 3 seconds when the red  ink light is off.
 roll paper	Prints a cutting guideline and feeds roll paper to the removal position after roll paper printing. Returns roll paper to the printing position after cutting. Reverses roll paper out of the printer when held down for 3 seconds.
 power	Turns the printer on and off. Hold down the button until the  power light comes on or goes off.

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



## Printer Lights

The table below summarizes the functions of the printer lights. To diagnose problems indicated by the printer lights, see below.










Light	Meaning
 paper out	On: printer is out of paper, multiple sheets fed, the wrong size sheet fed, or the CD/DVD tray is not in position.  Flashing: paper isn't loaded for the currently selected paper path, paper is jammed, or the output tray is in the wrong position.
 ink (eight)	On: an ink cartridge is expended. Flashing: an ink cartridge is low on ink.
 power	On: printer is turned on. Flashing: printer is receiving a print job, printing, replacing or charging ink, cleaning the print head, or moving the output tray position.

# Diagnosing Printer Problems

First, check the printer's lights (see below) or run a printer check (see page 90).





Lights	Explanation
Green  power light flashes	The printer is receiving a print job, printing, replacing an ink cartridge, charging ink, or cleaning the print head.
Red  ink light flashes	An ink cartridge is low on ink. Make sure you have a replacement cartridge, then follow the steps on page 78 to install it.
Red  ink light on	An ink cartridge is expended, not installed, not installed correctly, or is not compatible with the printer.  Follow the steps on page 78 to install or reinstall the cartridge correctly.
Red  paper light on	Your paper ran out, multiple sheets fed, or the wrong size sheet fed, or the CD/DVD tray is not inserted completely.  <b>Sheet Feeder:</b> If paper is out, load more paper and press the  paper button. If multiple sheets or the wrong size sheet fed, press the  paper button to eject the paper, then turn your printer off and then on. For loading instructions, see page 12.  <b>Single Sheet Guide:</b> See page 16 for instructions on loading single sheets of special papers.  <b>Roll Paper:</b> See page 20 for instructions on loading or reloading roll paper.  <b>CD/DVD:</b> See page 66 for instructions on inserting the CD/DVD tray correctly.



Lights	Explanation
Red  paper light flashes	<p>Jammed paper or the CD/DVD tray is blocking print head movement, or you're trying to print on paper or a CD/DVD with the wrong media loaded.</p> <p>If you suspect a paper jam, turn off the printer and pull out the jammed paper. Open the cover and remove any jammed or torn paper. Then do one of the following:</p> <p><b>Sheet Feeder or Single Sheet Guide:</b> Turn on the printer, reload paper, and press the  paper button.</p> <p><b>Roll Paper:</b> Cut off the printed portion, then remove the paper (see page 39) and reload it (see page 20).</p> <p><b>CD/DVD:</b> Gently pull out the CD/DVD tray and press the  paper button. See page 66 for instructions on inserting the CD/DVD tray correctly.</p> <p>If a print job was sent to one paper path, but media is loaded for another paper path, load the correct paper or a CD/DVD.</p>
<p>Green  power light is on</p> <p>Red  paper light flashes</p> <p>Red  ink light flashes</p>	<p>Jammed paper or a foreign object is preventing the print head from returning to the home position, or paper is loaded in the sheet feeder and the CD/DVD tray guide is open.</p> <p>Turn off the printer, open the printer cover, and remove any jammed or torn paper, or foreign object. Close the CD/DVD tray guide if it is open. Then turn the printer back on. If the error persists, contact your dealer or Epson; see page 101.</p>
<p>Green  power light flashes</p> <p>Red  paper light flashes</p> <p>Red  ink light flashes</p>	<p>An unknown printer error has occurred.</p> <p>Turn off the printer, wait a few seconds, and turn it on again. If the lights are still flashing, contact your dealer or Epson; see page 101.</p>

## ***Running a Printer Check***

You can run a printer check to determine whether a problem comes from the printer or some other source.


1. Turn off your printer and computer, then disconnect the printer's interface cable.
2. Load letter-size paper in the sheet feeder.
3. Hold down the  paper button, then press and release the  power button. Continue to hold down the  paper button until the  power light flashes.
4. A test page prints the printer's ROM version number and a nozzle check pattern.
  - If the check page prints, the problem probably lies in your software settings, interface cable, or computer, or your software may not be installed correctly.
  - If the check page doesn't print, you may have a problem with your printer. Try the suggestions in "Problems and Solutions" below.
5. Turn off the printer, connect the interface cable, and turn on your printer and computer.

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## **Problems and Solutions**

### ***Setup and Software Installation Problems***

#### **The printer makes noise after ink cartridge installation.**

- When you install ink cartridges, the printer must charge its print head for about two and a half minutes. Wait until it's finished (the green  power light stops flashing) before you turn off the printer, or it may use excess ink the next time you turn it on.
- Make sure the ink cartridges are inserted completely, the ink cover is closed, and no packing material remains in the printer. Turn off the printer, wait a moment, then turn it back on to clear the error.

## **You're having problems installing or using the printer software.**

- Make sure your printer is turned on and its cable is securely connected at both ends. Follow the installation steps on the *Start Here* sheet, and make sure your system meets the requirements on page 103.
- Close other programs, including screen savers and virus protectors, and install again.
- If you see an error message with Windows 2000, you may not have software installation privileges. Contact your System Administrator.
- If you're using Windows and the USB port, make sure your system was not upgraded from Windows 95; the USB driver may not install correctly.
- If you're using Windows Vista, you cannot connect the printer using a FireWire cable; you must use a USB cable.
- If you're printing over a network, see your on-screen *Reference Guide* for instructions on configuring your printer for use on a network.
- In Windows, make sure your printer is selected as the default printer in the Printers utility.

## **Printer Problems**

### **Only the green power light is on, but nothing prints.**

- Make sure the interface cable is securely connected at both ends and meets the system requirements on page 103.
- Run a printer check as described on page 90. If the test page prints, make sure your software is installed correctly.
- If you're printing on a network, make sure you set up your printer for network printing, as described in your on-screen *Reference Guide*.

### **The printer sounds as though it is printing, but nothing prints.**

- The print head may need cleaning; see page 73 for instructions.
- The printer won't operate properly if it's tilted or at an angle. Place it on a flat, stable surface.

**Your printer makes noise when you turn it on or after it has been sitting for awhile.**

Your printer is performing routine maintenance.

**Printing is too slow.**

Make sure your system meets the recommended requirements listed on page 103. You may also need to:

- Clear space on your hard drive or run a defragmentation utility.
- Close open programs that you're not using.
- Increase your system's memory (RAM).

For the fastest printing:

- Select **Draft** (Windows) or set the Quality/Speed slider to **Speed** (Macintosh).
- Turn **High Speed** on and turn **Finest Detail** off, if available.
- If your printer is connected to a USB hub, disconnect any unused USB devices. Use a Hi-Speed USB 2.0 cable connected to a Hi-Speed USB 2.0 port.

## Quality Problems

### You see banding (light lines).

- Clean the print head; see page 73 for instructions.
- Select a higher print quality and turn off High Speed mode; see page 29 (Windows) or page 36 (Macintosh).
- Select the correct Type or Media Type setting for your paper; see page 38.
- Make sure the printable side of the paper is face-up; it's usually whiter or shinier.
- The ink cartridges may need replacing; see page 76.
- Align the print head as described on page 80.



### Your print is blurry or smeared.

- Make sure your paper isn't damp, curled, or loaded face-down (load new paper face-up).
- Use a support sheet with special paper, or try loading your paper one sheet at a time.
- Make sure your paper meets the specifications listed in the on-screen *Reference Guide*.
- Use Epson papers for proper saturation and absorption of Epson inks. If you use a paper not listed under the supported paper types, you may see smears, roller marks, misting, or other problems in your printouts; see page 11.
- Align the print head as described on page 80.
- Select the Thick paper checkbox in your printer software. Access the setting from the printer settings window as follows:



**Windows:** Click Maintenance and select Printer and Option Information.

**Mac OS X:** Select Extension Setting from the pop-up menu.

### **Your printout is faint or has gaps.**

- Clean the print head; see page 73 for instructions.
- The ink cartridges may be old or low on ink; see page 76.
- Select the correct Type (Windows) or Media Type (Macintosh) in the printer driver; see page 38.
- Make sure your paper isn't damaged, old, dirty, or loaded face-down. For best results, use genuine Epson paper.



**Caution:** Don't open Epson Status Monitor, pause printing, or respond to any ink messages when your printer is printing. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

### **Your printout is grainy.**

- Use a higher quality paper or select a higher print quality (for Windows, see page 29; for Macintosh, see page 36).
- Align the print head as described on page 80.
- Increase the image resolution or print it in a smaller size; see your software documentation.
- Make sure you're not printing a PostScript® file.


### **You see wrong or missing colors.**

- Make sure **Color** ink is selected (Macintosh), even when printing black and white photographs.
- Clean the print head; see page 73 for instructions.
- The ink cartridges may be old or low on ink; see page 76.
- Try turning off PhotoEnhance (Windows). Also check if you're using a special effect that alters image colors, like Sepia.

- Change the **Gamma** setting (Macintosh). See page 36.
- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. See the Photoshop color management instructions on page 49. If your photos have a dark, underexposed and/or yellow-brown cast or a light, overexposed and or light-blue cast after using color management, see the solutions on page 58.

## ***Paper Problems***

### **Paper doesn't eject fully or is wrinkled.**

- If the paper doesn't eject fully, you may have set the wrong paper size. Press the  paper button to eject the paper, then select the correct paper size.
- If it's wrinkled when it ejects, the paper may be damp or too thin. Load new paper.

### **Paper sheets don't feed correctly.**

- If paper doesn't feed or multiple pages feed, remove it from the sheet feeder. Fan the edges of the sheets, reload them against the right side of the feeder, and slide the left edge guide against the paper, but not too tightly. Don't load paper above the arrow on the left edge guide.
- If you are loading multiple sheets of matte paper that are larger than letter-size, use the matte paper support. See page 15.
- Paper dust may have built up on the paper rollers. Use Epson Ink Jet Printer Cleaning Sheets (part number S041150) to clean the rollers.

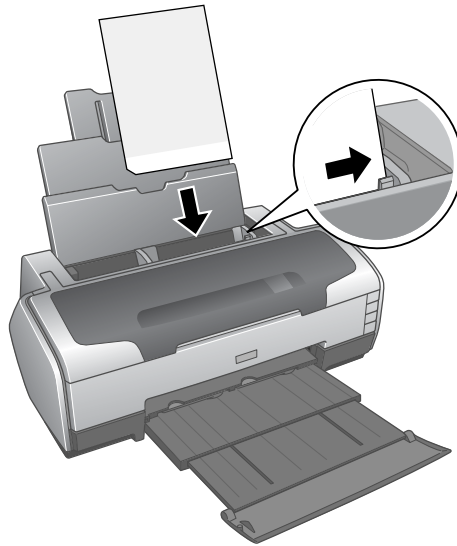
**Caution:** Do not use the cleaning sheets that come with Epson special papers; they may jam inside your printer.


Follow these steps to clean the paper rollers:

1. Remove any paper loaded in the printer's sheet feeder.
2. Remove the instruction sheet from the sticky side of the cleaning sheet.


**Caution:** Do not follow the loading instructions on the sheet; they are not correct for your printer. Follow the steps here instead.

3. Position the cleaning sheet in the printer's sheet feeder as shown below. Make sure the sticky side of the cleaning sheet is face-up.



4. Press the  paper button to feed the sheet through the printer.
5. When the sheet ejects, repeat steps 3 and 4 to feed the sheet through two more times. Then discard the cleaning sheet.

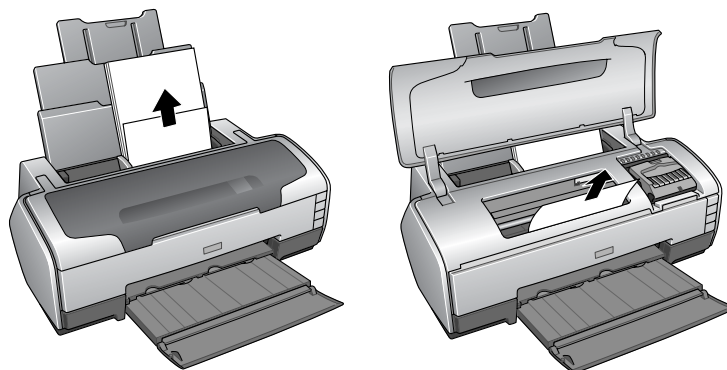
### **Paper sheets jam in the printer.**

Press the  paper button to eject the jammed paper. If that doesn't work, try the following:




1. Turn off the printer.
2. Remove any jammed paper from the printer's output tray.



3. Remove any jammed paper from the sheet feeder or open the printer cover and remove any paper jammed inside.



### **Roll paper doesn't feed correctly or jams in the printer.**


- Cut the end of the paper straight across. If the edge is uneven or frayed, the paper won't feed smoothly.
- If the roll paper end is curled, place the end inside a folded sheet of paper and roll it backwards against the curl.
- Make sure the paper is loaded in the roll paper feeder, not the sheet feeder; see page 20.
- As you load the paper, gently hold it in the roll paper feeder and wait for it to load; don't force the paper in.
- Select **Roll** as the Source (Windows) or the correct size and source of **Roll Paper** for the Paper Size (Mac OS X). Other settings will feed too much paper. See page 39 for instructions.
- If extra paper feeds, press the  roll paper button for three seconds to rewind the paper all the way (repeat if necessary). If the  paper light is on, press the  paper button. Reload the paper as described on page 20.

## ***CD/DVD Problems***



### **You can't insert the CD/DVD tray easily.**

Don't force the CD/DVD tray into the printer. Turn on your printer and follow all the steps beginning on page 66.

### **The CD/DVD tray ejects when you start a CD/DVD print job.**

Follow the steps on page 66 to reinsert the CD/DVD tray. Make sure you press the  paper button to load the tray before sending your print job again.

### **The CD/DVD tray doesn't eject after printing.**

Gently pull out the tray and press the  paper button to turn off the  paper light.

### **Your design is not positioned correctly on the CD or DVD.**

You need to adjust the print position in Epson Print CD; see page 70.

## ***Miscellaneous Problems***

### **The image is inverted, as if viewed in a mirror.**

Turn off Mirror Image in the printer software or the mirror setting in your program. See page 29 (Windows) or page 36 (Macintosh) for instructions.

### **The printer prints blank pages.**

- Make sure your printer is selected in the Print window, or in the Macintosh Printer Setup Utility or Print Center.
- Clean the print head; see page 73 for instructions.

**You see incorrect characters.**

- Make sure the interface cable is securely connected at both ends and meets the system requirements on page 103.
- Make sure your printer is selected in the Print window, or in the Macintosh Printer Setup Utility or Print Center.
- If you're using a switch box or USB hub with your printer, connect the printer directly to your computer instead.

**The margins are incorrect.**

- Make sure the paper settings are correct for your paper size. See page 26 (Windows) or page 31 (Mac OS X).
- Choose the correct margins for your paper size. The margins must be within the printable area of the page; see "Printer Specifications" in your on-screen *Reference Guide*.
- Place your paper against the right side of the feeder with the left edge guide snug against it.
- Make sure the **Borderless** setting is set correctly for your margins; see page 39 for roll paper or page 45 for cut sheets.

**Too many copies printed.**

Make sure that the Copies option in your printer software or program is not set for multiple copies.

**Image size/position is incorrect.**

Make sure the paper and layout options are set correctly.

---

# Uninstalling and Reinstalling Printer Software

You may need to uninstall and then reinstall your printer driver and utilities if, for example, you upgrade your Windows operating system. You don't need to uninstall your other photo software or the Epson *Reference Guide*.

## **Windows**

1. Click **Start**, and select **Programs** or **All Programs**.
2. Point to **Epson** or **EPSON Printers**, then select **EPSON Printer Software Uninstall.1**
3. In the next window, select **EPSON Stylus Photo R1800** and click **OK**. Then follow the on-screen instructions.

In Windows Vista, when you see the User Account Control screen, click **Continue**, then go to step 4.

4. Restart your computer, then see the *Start Here* sheet to reinstall your software.

## **Mac OS X**

1. Insert the Printer Software CD-ROM into your Macintosh.
2. Open the **Epson CD-ROM** desktop icon.
3. Scroll down until you see the **Drivers** folder.
4. Double-click the **Drivers** folder, double-click the **English** folder, then double-click the **OSX** folder.
5. Double-click the **Installer** icon.

If the Authenticate box appears, enter your password or phrase and click **OK**.

6. When the Installer window appears, select **Uninstall** from the pop-up menu in the upper left and click **Uninstall**.

7. Follow the on-screen instructions to uninstall the software.  
**Note:** If the name of your printer remains in the Print Center or Printer Setup Utility, select it from Printer List and click **Delete**.
8. When you see the Installer window again, click **Quit**.
9. Restart your Macintosh, then see the *Start Here* sheet to reinstall your software.

---

## Where To Get Help

If you need help with your printer, Epson Print CD, or the P.I.M. II Plug-in for Adobe Photoshop, see the information below.

For help with other software that came with your printer, see page 102.

### ***Epson Technical Support***

Epson provides these technical support services:

#### ***Internet Support***

Visit Epson's support website at [epson.com/support](http://epson.com/support) and select your product for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

#### ***Speak to a Support Representative***

Before you call for support, please have the following information ready:

- Product name (EPSON Stylus Photo R1800)
- Product serial number (located on the back of the printer and on its box)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration and operating system version
- Description of the problem

Then call:

- U.S.: (562) 276-7296, 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday.
- Canada: (905) 709-2567, 6 AM to 6 PM, Pacific Time, Monday through Friday.

Toll or long distance charges may apply.

### ***Purchase Supplies and Accessories***

You can purchase genuine Epson ink and paper from an authorized Epson reseller. To find the nearest reseller, please call 800-GO-EPSON (800-463-7766). Or you can purchase online at [www.epsonstore.com](http://www.epsonstore.com) (U.S. sales) or [www.epson.ca](http://www.epson.ca) (Canadian sales).

### ***Technical Support for Other Photo Software***

<b>Software</b>	<b>Website or e-mail</b>	<b>Telephone</b>
nik Multimedia	<a href="mailto:supportus@nikmultimedia.com">supportus@nikmultimedia.com</a>	(619) 725-3150, 8:30 AM to 5 PM, Monday to Friday, Pacific Time

# Requirements and Notices

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## Windows System Requirements

To use your printer and its software, we recommend that your system has:

- Microsoft Windows compatible PC with a Pentium® III-class 800 MHz or higher processor (Pentium 4-class, 2 GHz or higher recommended)
- Windows 2000, XP, XP Professional x64 Edition, or Windows Vista
- 512MB RAM (2GB recommended)
- 300MB hard disk space (1GB recommended)
- 4x or faster CD-ROM or DVD-ROM drive for installing the printer software
- USB connection: a Windows-compliant USB 1.1 port or Hi-Speed USB 2.0 port (recommended) and a shielded USB “AB” cable (Hi-Speed USB 2.0 recommended), 2 meter (6.5 ft) max. length  
IEEE-1394 (FireWire) connection: an OHCI-compliant IEEE-1394 port and an IEEE-1394 cable; FireWire connection not supported in Windows Vista

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## Macintosh System Requirements

To use your printer and its software, we recommend that your system has:



- An Apple® Mac-class computer with one or more: PowerPC® G4 733 MHz (1 GHz recommended), PowerPC G5, or Intel® Core™ processor
- Mac OS X 10.2.8, 10.3.9 through 10.4.x
- 512MB RAM (2GB recommended)
- 300MB hard disk space (1GB recommended)
- 4x or faster CD-ROM or DVD-ROM drive for installing the printer software
- USB connection: a shielded USB “AB” cable (Hi-Speed USB 2.0 recommended), 2 meter (6.5 ft) max. length  
FireWire connection: an OHCI-compliant FireWire port and a FireWire cable

---

# Important Safety Instructions

Before using your printer, read these safety instructions to make sure you use it safely and effectively:

- Be sure to follow all warnings and instructions marked on the printer.
- Use only the type of power source indicated on the printer's label.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- Place the printer near a wall outlet where the plug can be easily unplugged.
- Do not let the power cord become damaged or frayed.
- If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the outlet's ampere rating.
- Keep your printer and computer system away from potential sources of electromagnetic interference, such as loudspeakers or cordless telephone base units.
- Avoid locations that are subject to rapid changes in heat or humidity, shocks or vibrations, or dust.
- Leave enough room around the printer for sufficient ventilation, leaving at least 3.9 inches between the back of the printer and the wall.
- Do not place the printer near a radiator or heating vent or in direct sunlight.
- Place the printer on a flat, stable surface that extends beyond the printer base in all directions. The printer will not operate properly if it is tilted or at an angle.
- When transporting or storing the printer, don't tilt it, stand it on its side, or turn it upside-down. This may allow ink to leak from the ink cartridges.
- Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.

**Caution:** Always turn the printer off using the  power button. Don't switch off the power strip or unplug the printer until the green  power light is off.

- Do not block or cover the openings in the printer's case or insert objects through the slots.
- Except as specifically explained in this manual, do not attempt to service the printer yourself.
- Unplug the printer and refer servicing to qualified service personnel under the following conditions:

If the power cord or plug is damaged; if liquid has entered the printer; if the printer has been dropped or the case damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.



## ***Ink Cartridge Safety Instructions***

- Keep ink cartridges out of the reach of children.
- Be careful when you handle used ink cartridges; there may be ink remaining around the ink supply port. If ink gets on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Do not put your hand inside the printer or touch a cartridge during printing.
- Do not move the print head by hand. You may damage the printer.
- Install the ink cartridge immediately after you remove it from its package. Leaving the cartridge unpacked for a long time before use can result in reduced print quality.
- Do not use an ink cartridge beyond the date printed on the cartridge carton. For best results, use up the ink cartridges within six months of first installing them.
- Store ink cartridges in a cool, dark place.
- Store ink cartridges with the bottom of the packaging facing down.
- After bringing an ink cartridge inside from a cold storage site, allow it to warm up at room temperature for at least three hours before using it.
- Shake an ink cartridge 4 or 5 times before removing it from its package.
- Do not shake an ink cartridge after removing it from its package; this can cause leakage.
- Do not remove or tear the label on an ink cartridge; this can cause leakage.
- Do not dismantle the ink cartridges or try to refill them. This could damage the print head.
- Do not touch the green IC chip on the front of the cartridge. This may affect normal operation and printing.
- If you remove an ink cartridge for later use, protect the ink supply area from dirt and dust and store it in the same environment as the printer. Note that there is a valve in the ink supply port, making covers or plugs unnecessary, but care is needed to prevent the ink from staining items that the cartridge touches. Do not touch the ink cartridge ink supply port or surrounding area.

---

# FCC Compliance Statement

## ***For United States Users***

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

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

**WARNING:** The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

## ***For Canadian Users***

This Class B digital apparatus complies with Canadian ICES-003.

*Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.*

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# Declaration of Conformity

According to 47CFR, Part 2 and 15 for Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers:

We: Epson America, Inc.  
Located at: MS: 3-13  
3840 Kilroy Airport Way  
Long Beach, CA 90806  
Telephone: (562) 290-5254

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: Epson  
Type of Product: Ink Jet Printer  
Model: B321A

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# Epson America, Inc. Limited Warranty

**What Is Covered:** Epson America, Inc. (“Epson”) warrants to the original retail purchaser that the Epson printer covered by this limited warranty statement, if purchased new and used in the United States or Canada, conforms to the manufacturer’s specifications and will be free from defects in workmanship and materials for a period of one (1) year from the date of original purchase. Epson also warrants that the consumable ink cartridges enclosed with the printer will perform to the manufacturer’s specified usage, which usage may expire before the expiration of the limited warranty for the Epson printer. For warranty service, you must provide proof of the date of original purchase.

**What Epson Will Do To Correct Problems:** Should your Epson printer prove defective during the warranty period, please call the Epson Connection<sup>SM</sup> at (562) 276-7296 (U.S.) or (905) 709-2567 (Canada) for warranty repair instructions and return authorization. An Epson service technician will provide telephone diagnostic service to determine whether the printer requires service. If service is needed, Epson will, at its option, exchange or repair the printer without charge for parts or labor. If Epson authorizes an exchange for the defective unit, Epson will ship a replacement printer to you, freight prepaid, so long as you use an address in Canada or the U.S. (excluding Puerto Rico and U.S. Possessions). Shipments to other locations will be made freight collect. You are responsible for securely packaging the defective unit and returning it to Epson within five (5) working days of receipt of the replacement. Epson requires a debit or a credit card number to secure the cost of the replacement printer in the event that you fail to return the defective one. If your printer is being repaired, Epson will direct you to send your printer to Epson or its authorized service center, where the printer will be fixed and sent back to you. You are responsible for packing the printer and for all costs to and from the Epson authorized service center. When warranty service involves the exchange of the printer or a part, the item replaced becomes Epson property. The replacement printer or part may be new or refurbished to the Epson standard of quality, and, at Epson’s option, may be another model of like kind and quality. Epson’s liability for replacement of the covered printer will not exceed the original retail selling price of the covered printer. Exchange products and parts assume the remaining warranty period of your original product covered by this limited warranty.

**What This Warranty Does Not Cover:** This warranty does not apply to refurbished or reconditioned products. This warranty covers only normal use in the United States and Canada. Using this product for continuous production or similar high duty purposes is not considered normal use; damage, maintenance or service from such use will not be covered under this warranty. This warranty is not transferable. This warranty does not cover any color change or fading of prints or reimbursement of materials or services required for reprinting. This warranty does not cover damage to the Epson product caused by parts or supplies not manufactured, distributed or certified by Epson. This warranty does not cover ribbons, ink cartridges or third party parts, components, or peripheral devices added to the Epson product after its shipment from Epson, e.g., dealer or user-added boards or components. Epson is not responsible for warranty service should the Epson label or logo or the rating label or serial number be removed or should the product fail to be properly maintained or fail to function properly as a result of misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood, and lightning, improper electrical current, software problems, interaction with non-Epson products, or service other than by an Epson Authorized Servicer. If a claimed defect cannot be identified or reproduced, you will be held responsible for the costs incurred.

## SPECIAL NOTE TO COMMERCIAL USERS

This Epson product is offered as a high quality consumer use product. With proper use and care, the product will provide you with quality performance well beyond the one year warranty period. However, if you use this product for continuous production or similar high duty purposes, none of the needed repairs, maintenance or service from such use will be covered by your Epson Limited Warranty.

THE WARRANTY AND REMEDY PROVIDED ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE. SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES. IF THESE LAWS APPLY, THEN ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED TO THE WARRANTY PERIOD IDENTIFIED ABOVE. UNLESS STATED HEREIN, ANY STATEMENT OR REPRESENTATIONS MADE BY ANY OTHER PERSON OR FIRM ARE VOID. EXCEPT AS PROVIDED IN THIS WRITTEN WARRANTY, NEITHER EPSON AMERICA, INC. NOR ITS AFFILIATES SHALL BE LIABLE FOR ANY LOSS, INCONVENIENCE, OR DAMAGE, INCLUDING DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR INABILITY TO USE THE EPSON PRODUCT, WHETHER RESULTING FROM BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY.

In Canada, warranties include both warranties and conditions.

Some jurisdictions do not allow limitations on how long an implied warranty lasts, and some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from jurisdiction to jurisdiction.

Epson America, Inc. ■ P. O. Box 93012 ■ Long Beach, CA 90809-3012



# Index

## A

- Adobe Photoshop, managing color with, 49 to 62
- Advanced settings
  - Macintosh, 36 to 37
  - Windows, 29 to 30
- Aligning print head, 80 to 81
- Automatic
  - print head aligning, 80
  - print head cleaning, 74
- Automatic mode, Macintosh, 34

## B

- Background printing, 35
- Banding, 93
- Basic printing
  - Macintosh, 31 to 35
  - Windows, 26 to 28
- Best Photo setting, 27, 46
- Blank pages, 98
- Blurry images, 93
- Borderless setting, 27, 45 to 48
- Bright White Paper, 14, 38
- Browser, 10
- Buttons, 87, 88 to 89

## C

- Cable, printer, 103
- Cancelling printing
  - Macintosh, 35
  - Windows, 28
- Canvas, 12, 23, 38, 40, 43

## CDs and DVDs

- adjusting print density, 71 to 72
  - adjusting print position, 70 to 71
  - inserting in printer, 66 to 68
  - ordering, 65
  - printing on, 65 to 72
  - problems with, 98
- ## Characters, incorrect, 99
- ## Checking printer, 90
- ## Cleaning
- print head, 73 to 76
  - printer, 82
  - roller, 66
- ## Cleaning sheets, 95
- ## Color management
- menu, Macintosh, 34
  - problems, 58
  - settings, 29 to 30, 34, 37, 49 to 62
  - with color profiles, 49 to 62
- ## Color problems, 58, 94
- ## ColorSync, 37
- ## Control panel, 86 to 89
- ## Controlling printing
- Macintosh, 35
  - Windows, 28
- ## Custom profiles, 59 to 62
- ## Custom settings
- Macintosh, 36 to 37
  - Windows, 29 to 30

## D

- Declaration of Conformity, 107
- Default settings, Windows, 28
- Documentation, 9 to 10
- Draft setting, 27, 92

## E

- Edge Smoothing setting
  - color management, 53, 57, 60, 62
  - Windows, 29
- Electronic manual, 9 to 10
- Enhanced Matte Paper, 14, 38
- Epson
  - help, 101 to 102
  - papers, 14, 38, 45
  - PhotoCenter, 8
  - Print CD, 69 to 72
  - warranty, 108 to 109
- Exif Print, description, 8
- Expansion setting, 46, 48
- Extension setting, 34, 93

## F

- Faint images, 94
- FCC Compliance Statement, 106
- Features, 7

## G

- Gamma setting, 95
- Gloss Optimizer
  - cartridge, 7, 77
  - setting, Macintosh, 36
- Gloss setting, Windows, 27
- Glossy Photo Paper, 14, 38, 40, 42, 45
- Grainy prints, 94

## H

- Head Cleaning utility, 75 to 76
- Help
  - Epson, 101 to 102
  - other software, 102
  - see also* Troubleshooting
- High Speed setting, 92 to 93

## I

- ICM (Image Color Matching) setting, 30, 57, 62
- Incorrect
  - characters, 99
  - colors, 58, 94
  - margins, 99
- Ink cartridge
  - level of ink in, 77
  - ordering, 77
  - problems, solving, 88, 90
  - replacing, 76 to 79
  - safety instructions, 78, 105
- Ink level, checking
  - Macintosh, 77
  - Windows, 77
- Installation problems, 90 to 91
- Inverted image, 98

## J

- Jams, paper, 89, 95 to 97

## L

- Layout problems, 99
- Layout settings
  - Macintosh, 34
  - Windows, 30
- Letterhead, 13
- Lights, 88 to 89
- Luster Photo Paper, 14, 38, 40, 42

## M

- Macintosh
  - basic printing, 31 to 35
  - custom printing, 36 to 37
  - system requirements, 103
  - uninstalling software, 100 to 101
- Maintaining printer, 73 to 82
- Margins, incorrect, 99



Matte Black ink cartridge, 7, 77  
Matte paper, 14, 38, 45  
Matte sheet support, 15 to 16  
Media Type setting, Macintosh, 34, 38, 42  
Mirror images, 98  
Monitoring ink level  
    Macintosh, 77  
    Windows, 77  
Moving printer, 83

## N

Network printing, 91  
Noise, printer, 92  
Nozzle Check, 74 to 76

## O

Orientation setting, 27, 32

## P

Page Setup, Macintosh, 33  
Paper  
    Epson, 14, 38, 45  
    feeding problems, 95 to 97  
    jams, 89, 95 to 97  
    loading in sheet feeder, 12 to 13  
    loading special, 14  
    one only in single sheet guide, 16 to 19  
    roll, *see* Roll paper  
Paper Size setting, 32  
Paper Source setting, 19, 32  
Paper Type setting, Windows, 27, 38, 40  
Photo Black ink cartridge, 7, 77  
Photo RPM setting, 29, 36  
Photo setting, 27, 46  
Photo software, 8  
PhotoCenter, Epson, 8  
PhotoEnhance, 94  
Piezo Pro Matte Canvas, 23, 38, 40, 43  
PremierArt Paper, 16, 45

PremierArt Water Resistant Canvas, 23, 38, 40, 43  
Premium Bright White Paper, 14, 38  
Premium Photo Paper, 14, 38, 40, 42, 45  
Premium Presentation Paper, 14, 38  
Preprinted paper, 13  
Presentation Paper, 38  
Print CD software, Epson, 69 to 72  
Print Center, Macintosh, 35  
Print dialog box, Windows, 26, 28  
Print head  
    aligning, 80 to 81  
    cleaning, 73 to 76  
Print Head Alignment utility, 80 to 81  
Print position, CD/DVD, 70 to 71  
Print Quality  
    problems, 93 to 94  
    setting, 36, 60  
Print Settings menu, Macintosh, 33  
Printer  
    cable, 103  
    check, 90  
    cleaning, 82  
    control panel, 86 to 89  
    maintaining, 73 to 82  
    noise, 92  
    parts, 86  
    problems, 88 to 90, 91 to 92  
    transporting, 83  
Printing  
    advanced, 29 to 30, 36 to 37  
    CDs and DVDs, 65 to 72  
    controlling, 35  
    Macintosh, basic, 31 to 35  
    Windows, basic, 26 to 28  
    with custom settings, 29 to 30, 36 to 37  
Problems  
    CD/DVD, 98  
    diagnosing, 88 to 90  
    installing software, 91  
    miscellaneous, 98 to 99  
    paper feeding, 95 to 97  
    print quality, 93 to 94  
    printer, 91 to 92  
    solving, 85 to 102  
    uninstalling software, 100 to 101

## Q

Quality Option setting, 27, 46, 57  
Quality/Speed setting, 33, 43, 48, 92

## R

Reference Guide, 9 to 10  
Reinstalling software, 101  
Roll paper  
    button, 23, 44  
    controlling printing, 44  
    holder, 21 to 23, 44  
    loading, 20 to 23, 39  
    options, 41, 43  
    printing on, 39 to 44  
    problems, solving, 88, 97  
    removing, 44  
    storing, 44

## S

Safety instructions, 104 to 105  
Semi-gloss Photo Paper, 14, 38, 40, 42  
Service, 101 to 102  
Sheet feeder  
    loading paper in, 12 to 13  
    problems, solving, 88, 95 to 97  
Single sheet guide, 16 to 19  
Size setting, 27, 40  
Slow printing, 92  
Smear printout, 34, 93  
Software  
    installation problems, solving, 91  
    photo, 8  
    Print CD, 69 to 72  
    reinstalling, 101  
    summary, 8  
    uninstalling, 100 to 101  
Source setting, 19, 27, 41, 46  
Support, 101 to 102  
System requirements, 103

## T

Technical support, 101 to 102  
Testing printer, 90  
Text & Image setting, 27  
Text setting, 27  
Thick paper setting, 34, 93  
Transporting printer, 83  
Troubleshooting, 85 to 102  
Type setting, Windows, 27, 38, 40

## U

Ultra Premium Photo Paper, 14, 38, 40, 42  
Ultra Premium Presentation Paper, 14, 38  
UltraSmooth Fine Art Paper, 16  
Uninstalling software, 100 to 101  
USB, 91, 99, 103  
Utilities  
    Auto Nozzle Check and Cleaning, 74  
    Head Cleaning, 75 to 76  
    Nozzle Check, 74 to 76  
    Print Head Alignment, 80 to 81

## V

Velvet Fine Art Paper, 16 to 19

## W

Warranty, 108 to 109  
Watercolor Paper - Radiant White, 16  
Watermark, 30  
Windows  
    advanced printing, 29 to 30  
    basic printing, 26 to 28  
    default settings, 28  
    system requirements, 103  
    uninstalling software, 100 to 101



