



EPSON STYLUS™ PRO 3800

User's Guide

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Chapter 1

Printing with Windows

Printer Software Introduction

The printer software that comes with your printer includes a printer driver and printer utilities. The printer driver lets you choose from a variety of settings to get the best results from your printer. The printer utilities help you check the printer and keep it in top condition.

The printer software includes the following menus.

Menu	Settings and Utilities
Main	Media Type, Color, Mode, Ink Levels, Print Preview, Print Assistant
Paper	Paper Source, Borderless, Paper Size, Copies, Orientation
Layout	Reduce/Enlarge, Double-Sided Printing, Multi-Page, Optimize Enlargement
Utility	EPSON Status Monitor 3, Nozzle Check, Head Cleaning, Print Head Alignment, EPSON LFP Remote Panel, Speed & Progress

For information on making printer driver settings, see “Making Settings on the Main Menu” on page 14, “Making Settings on the Paper Menu” on page 32, and “Making Settings on the Layout Menu” on page 37.

For information on the printer utilities, see “Using the Printer Utilities” on page 46.

Note:

- ❑ *The specific features available in the printer software vary depending on the version of Windows you are using.*
- ❑ *The printer driver screens that appear in this manual are provided for EPSON Stylus Pro 3800 running on Windows XP.*

The online help provides more information on the printer software. See “Getting Information Through Online Help” on page 53.

Accessing the Printer Software

To access the printer software installed in your computer, follow the steps below.

Note:

The specific features available in the printer software vary depending on the versions of Windows you are using.

From Windows XP x64 and XP

1. Click **Start**, click **Control Panel**, click **Printers and Other Hardware**, and then click **Printers and Faxes**.
2. Right-click your printer icon, and click **Printing Preferences**. The printer software window appears.

From Windows 2000

1. Click **Start**, point to **Settings**, and then select **Printers**.
2. Right-click your printer icon, and click **Printing Preferences**. The printer software window appears.

From Windows applications

1. Click **Print** or **Page Setup** on the File menu.
2. Make sure your printer is selected, and click **Printer**, **Setup**, **Options**, **Properties**, or **Preference**. Depending on your application, you may need to click a combination of these buttons. The printer software windows appears.

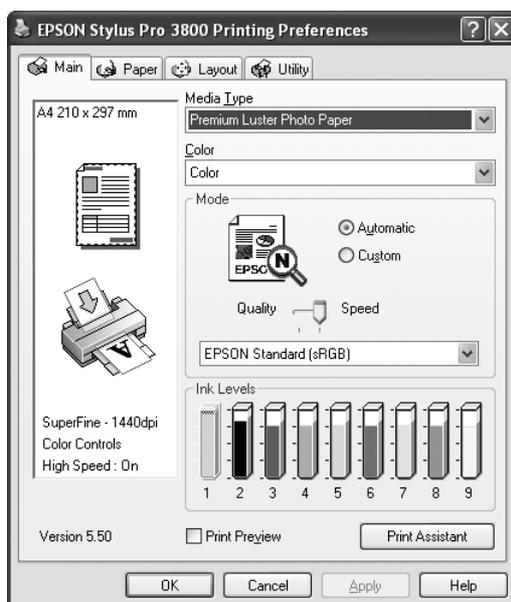
Basic Settings

Making the printer driver settings

This section describes the basic printer driver settings for printing your data.

To make the basic printer driver settings, follow the steps below.

1. Click **Print** on the File menu of your application. The Print dialog box appears.
2. Make sure your printer is selected, and then click **Properties** or **Options**. You may need to click a combination of these buttons. The driver settings window appears.
3. Click the **Main** tab. The Main menu appears.



4. From Media Type, select a media that matches the paper loaded in the printer. See “Media Type setting list” on page 15.

Note:

- Check the media type and its paper path. See “Paper path list” on page 120.
- The Media Type setting determines what other settings are available; therefore, always make this setting first.
- Some media types are not available depending on the Paper Source setting you have selected.

5. Make the Color setting. Select **Color** to print color or monochrome photos, or **Black** to print a draft or black text only.

If you want to print advanced monochrome photos, select **Advanced B&W Photo**.

Note:

*When printing on any media, we recommend **Color** even if the data to print is black.*

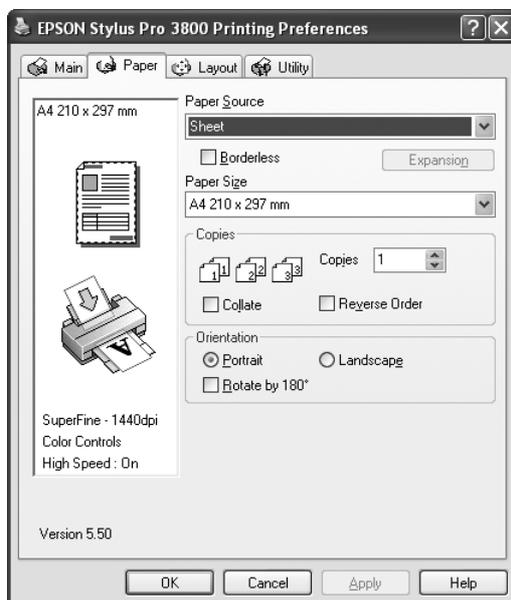
6. Make the Mode setting. Check that **Automatic** is selected.
7. Adjust **Speed** and **Quality** in the Mode box if a slider appears. Drag the slider to the left or right depending on which is more important.

If you have selected **Advanced B&W Photo** as the Color setting, select the Color Toning setting from the pull-down menu.

Note:

Depending on the Media Type setting you choose, a slider may not appear in the Mode box.

8. Select the color control mode from the pull-down menu in the Mode box. For detailed information, see “Color Control mode” on page 17.
9. Click the **Paper** tab. The Paper menu appears.



10. Select a paper source from the Paper Source list.

Note:

Some paper sources are not available depending on the media type you have selected.

11. Select **Borderless** to print your data without margins. See “Making the Borderless setting” on page 33.

12. From the Paper Size list, select the size of paper loaded in the printer.

Note:

Most Windows applications feature paper size settings that override similar settings in the printer driver.

13. Make settings for Copies and Orientation, as necessary.

14. Click the **Layout** tab. The Layout menu appears.



Note:

*The **Double-Sided Printing** functions is available only when **Sheet** is selected as the Paper Source setting.*

15. Select **Reduce/Enlarge**, and then adjust the size of printed data, if necessary. See “Making the Reduce/Enlarge setting” on page 38.

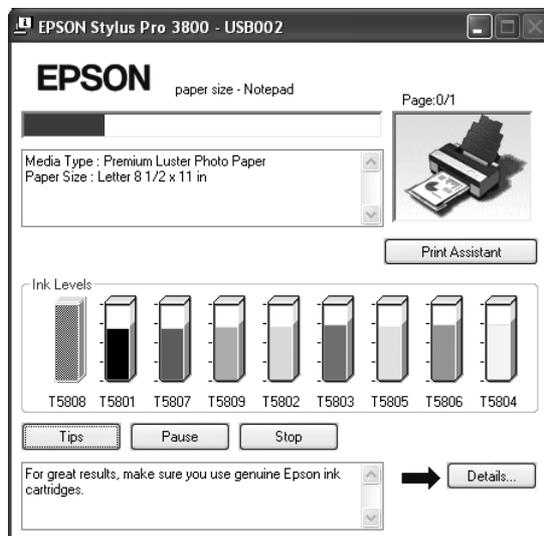
16. Select **Double-Sided Printing**, and then make settings as needed. See “Making Double-Sided Printing setting” on page 38.

17. Select **Multi-Page**, and then make settings as needed. See “Making Multi-Page settings” on page 43.

18. Click **OK**. The screen returns to the Print Setup dialog box (or a similar dialog box) of your application.

19. Click **Print** to start printing.

While printing is in progress, the EPSON Progress Meter appears, showing the printing progress and the status of your printer.



Canceling printing

To cancel printing in progress, click **Stop** on the EPSON Progress Meter.

You can also pause or restart printing. To pause printing, click **Pause**. To resume printing, click this button again.

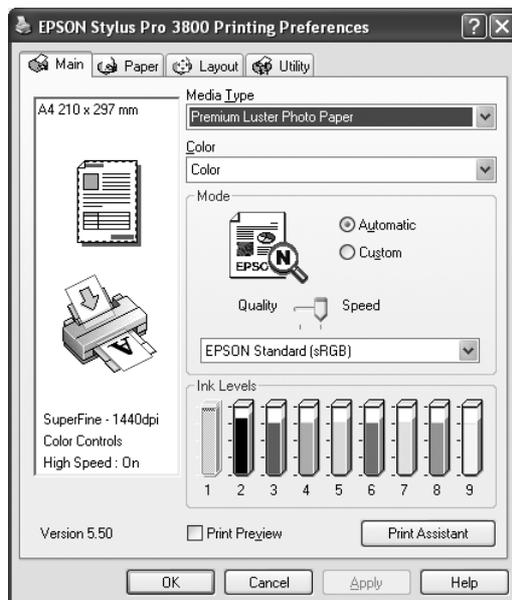


Caution:

If you stop printing in progress, you may need to start printing again from the beginning for best result; otherwise, misalignment or banding may appear in the printed image.

Making Settings on the Main Menu

From this menu, you can make the Media Type, Color, and Mode settings, and also check the ink cartridge status. You can also access the *User's Guide*, the paper information, and the Technical Support Web Site by clicking the **Print Assistant** button.



Making the Media Type setting

The Media Type setting determines what other settings are available; therefore, always make this setting first.

From Media Type, select a media that matches the paper loaded in the printer. Locate your paper in the list, and then select a corresponding Media Type setting. For some types of paper, several Media Type settings are available for selection.

Note:

- ❑ The black ink automatically changes depending on the media type you choose.
- ❑ The availability of special media varies by country.
- ❑ When using paper other than Epson special media, see “Notes on Epson Special Media and Other Media” on page 119.
- ❑ For the latest information on the special media available in your area, refer to the Epson customer support Web site. See “Contacting Customer Support” on page 174.

Media Type setting list

Media Type Setting	Epson Special Media Name/Description
Premium Luster Photo Paper	Premium Luster Photo Paper
Premium Glossy Photo Paper	Premium Glossy Photo Paper
Premium Semigloss Photo Paper	Premium Semigloss Photo Paper
Proofing Paper Semimatte	EPSON Proofing Paper Semimatte (Commercial)
Plain Paper - Photo Black	-
Enhanced Matte Paper	Enhanced Matte Paper
Archival Matte Paper	Archival Matte Paper
Velvet Fine Art Paper	Velvet Fine Art Paper
UltraSmooth Fine Art Paper	UltraSmooth Fine Art Paper
Watercolor Paper - Radiant White	Watercolor Paper - Radiant White
Photo Quality Ink Jet Paper	Photo Quality Ink Jet Paper
Singleweight Matte Paper	Singleweight Matte Paper
Plain Paper - Matte Black	-
Singleweight Matte Paper (line drawing)	Singleweight Matte Paper

Making the Color setting

Make the Color setting. Select **Color** to print color or monochrome photos, or **Black** to print a draft or black text only. If you want to print advanced monochrome photos, select **Advanced B&W Photo**.

Note:

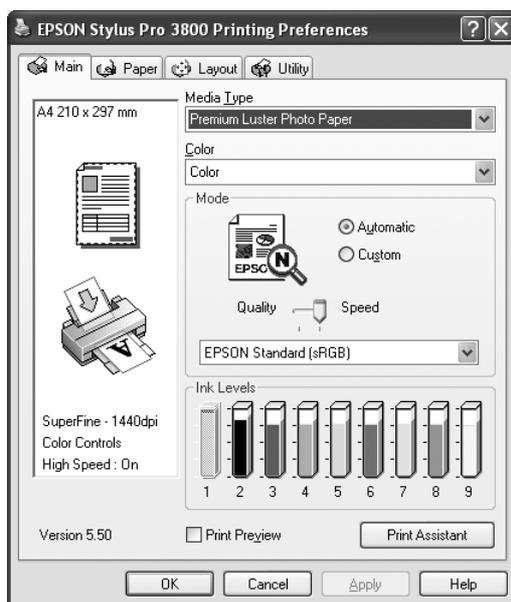
*When printing on any media, we recommend **Color** even if the data to print is black.*

Making the Mode setting

You can select either the Automatic or Custom mode. These modes are provided to give you two levels of control over the printer driver.

Automatic mode

Automatic mode is the quickest and easiest way to start printing. When **Automatic** is selected, the printer driver takes care of all detailed settings based on the current Media Type and Color settings.



Quality and Speed slider

Depending on the media you choose in the Media Type setting while **Color** or **Black** is selected as the Color setting and **Automatic** as the Mode setting, a Quality or Speed slider appears in the Mode box. Select **Quality** when print quality is more important than print speed. Select **Speed** when print speed is more important than print quality.

Color Control mode

When **Color** is selected as the Color setting and **Automatic** as the Mode setting, the Color Control pull-down menu appears in the Mode box.

You can select from the following settings.

EPSON Vivid	Select this setting to produce vivid blue and green tones in printouts. Note: Because this setting reproduces blue and green tones that cannot be displayed by your monitor, your printouts may differ from the screen images when this function is selected.
Charts and Graphs	Intensifies the colors and lightens the midtones and highlights of an image. Use this setting for presentation graphics, such as charts and graphs.
EPSON Standard (sRGB)	Increases the contrast in images. Use this setting for color photographs.
Adobe RGB	Matches image color to Adobe RGB.

Color Toning

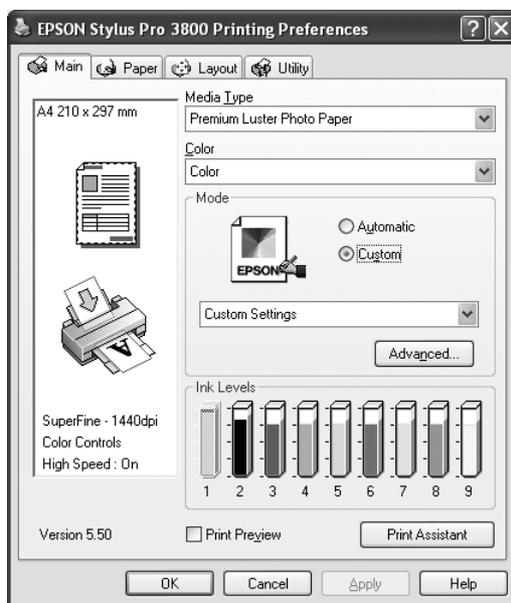
When you select **Advanced B&W Photo** as the Color setting while **Automatic** is selected, the Color Toning pull-down menu appears in the Mode box.

You can select from the following settings.

Neutral	This setting provides standard image correction for most photos. Try this first.
Cool	This setting gives a cool tone to your photos.
Warm	This setting gives a warm tone to your photos.
Sepia	This setting applies a sepia tone to your photos.

Custom mode

The Custom mode lets you make a wide range of changes with a single click of the mouse. In the Custom Settings pull-down menu, you will find ready-made settings provided by Epson.



Note:

These ready-made settings may not appear, depending on the Media Type and Color settings.

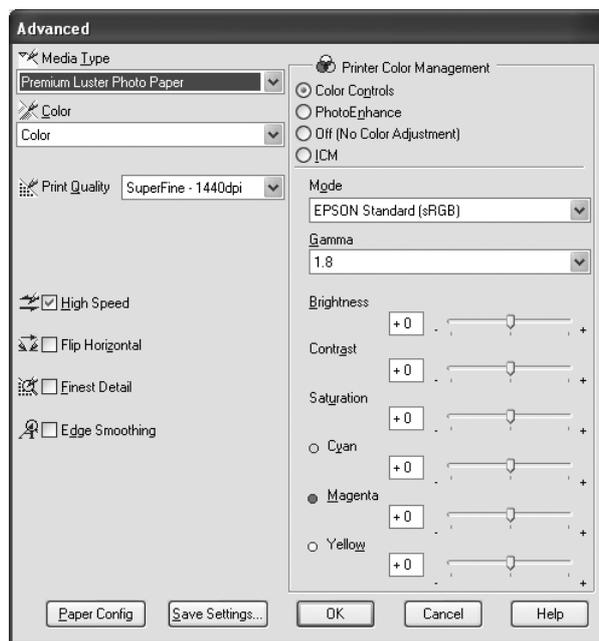
Advanced Photo 2880	Good for printing scanned photos and digitally captured images in high quality. Helps prevent misprinting of ink dots that may occur due to movement of the print head and paper.
PhotoEnhance	This mode lets you select image-correction settings specially designed for scanned or digitally captured photos.

Making Advanced setting

The Advanced setting gives you complete control over your printing environment. Use these settings to experiment with new printing ideas, or to fine-tune a range of print settings to meet your individual needs. Once you are satisfied with your new settings, you can give them a name and add them to the Custom Settings pull-down menu.

To make Advanced settings, follow the steps below.

1. Select **Custom** from the Main menu, and then click **Advanced**. The Advanced dialog box appears.



2. Make sure a media matching the media loaded in the printer is selected. See “Media Type setting list” on page 15.
3. Make the Color setting. Select **Color** to print color or monochrome photos, or **Black** to print a draft or black text only. If you want to print advanced monochrome photos, select **Advanced B&W Photo**.

Note:

When printing on any media, we recommend **Color** even if the data to print is black.

4. Select a Print Quality setting.
5. If you are using non-Epson special media, click the **Paper Config** button, and then make settings as needed. For details, see “Paper Configuration” on page 20.

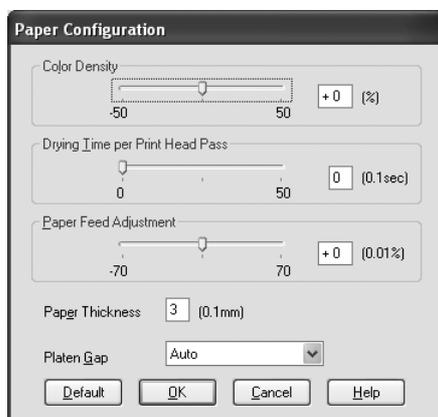
6. Make the Printer Color Management settings. For details, see “Printer Color Management” on page 22.

Note:

Some settings are enabled or disabled depending on the Media Type, Color, and Print Quality settings you have made.

7. Make other settings as needed. For details, see the online help.
8. Click **OK** to apply your settings and then return to the Main menu. If you want to return to the previous screen without applying your settings, click **Cancel**.

Paper Configuration



The following settings in the Paper Configuration dialog box let you make the detailed paper settings.

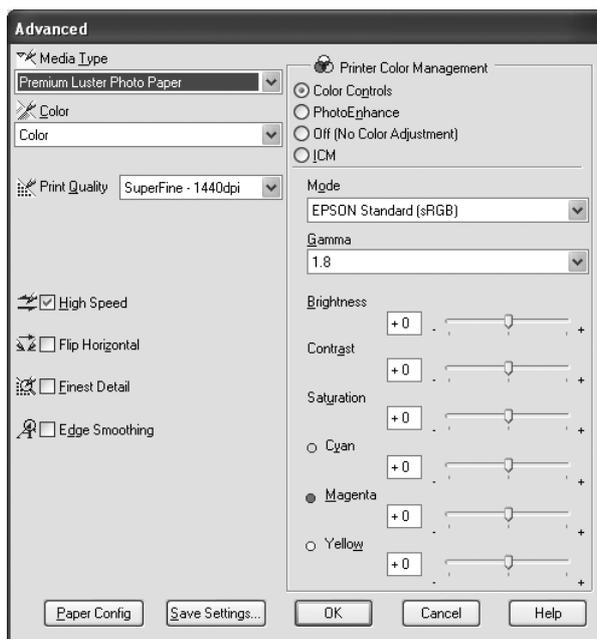
Mode	Description
Color Density	<p>Adjusts the strength of Color Density. Use a value in the range of -50% to +50%. Drag the slider to the right (+) to deepen the color of your printout or left (-) to lighten its color. You can also type a number (-50 to +50) in the box next to the slider.</p> <p>Use this function when you print on paper other than Epson special media.</p> <p>Set the slider to the 0 position when you print on Epson special media.</p> <p>Note: Deepening of the color of printout may not be possible, depending on the printing mode.</p>

Drying Time per Print Head Pass	<p>Adds a waiting time when the print head reaches the end of every pass. Set this value using the slider or text box. To improve the print quality by using slow ink absorption on the media, set a higher value.</p> <p>The drying time per print head pass can be set from 0 to 5 seconds, in 0.1 second increments.</p> <p>Note: If you use this feature, the printing time will be longer.</p>
Paper Feed Adjustment	<p>Controls the paper feeding value, in 0.01% increments. If the paper feeding value is too large, white horizontal micro banding may appear. If the paper feeding value is too small, dark horizontal micro banding may appear.</p>
Paper Thickness	<p>This value automatically appears according to the Media Type setting. If you use non-Epson media, modify this value for your media. Refer to the paper specifications, or print "Thickness Pattern" to find out the paper thickness.</p>
Platen Gap	<p>Platen Gap is the height from the media loaded in the printer to the print head. By adjusting this parameter, you may produce better print quality. This is set automatically according to the Paper Thickness setting specified.</p> <p>Note: Setting Platen Gap to Narrow may produce better print quality, but make sure the media does not wrinkle or touch the print head; otherwise, printed data or the print head surface may be damaged. Use Wider or Wide in such case.</p>
Default button	<p>Click this button to return the settings to their factory default values.</p>

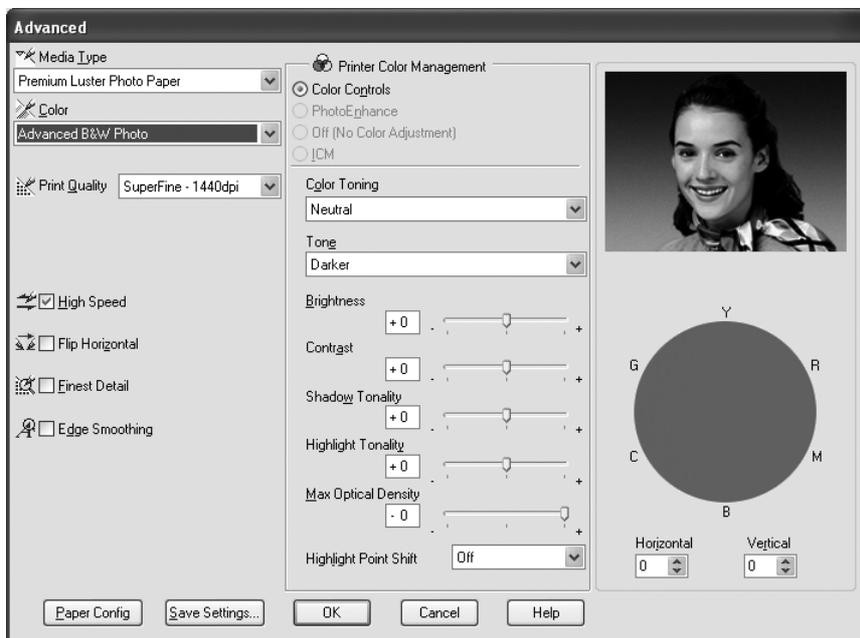
Printer Color Management

Color Controls

This setting provides the color matching and image-enhancement methods. When you select this setting, additional settings appear under the Printer Color Management box where you can select a Mode setting and adjust the color enhancement sliders. For details on the additional settings, see the online help.

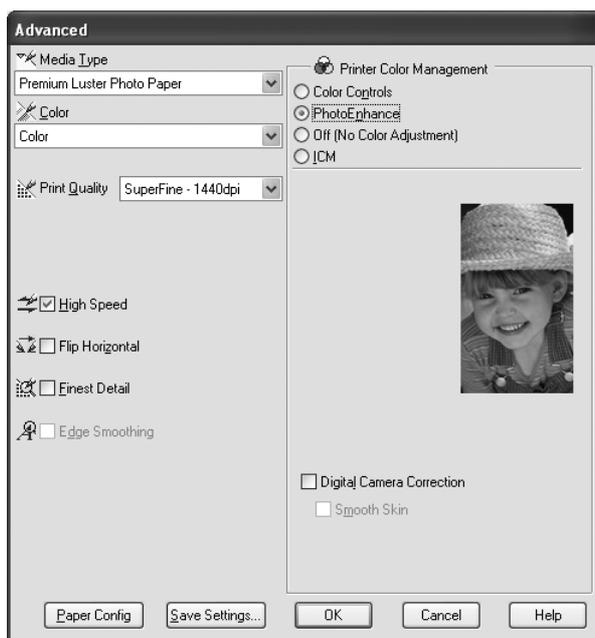


When **Advanced B&W Photo** is selected as the Color setting, the following screen appears. You can then adjust the advanced monochrome settings. For details on the additional settings, see the online help.



PhotoEnhance

This setting provides a variety of image-correction settings that you can apply to your photo images before printing. PhotoEnhance does not affect your original data. When you select this setting, you will need to make the Digital Camera Correction settings.



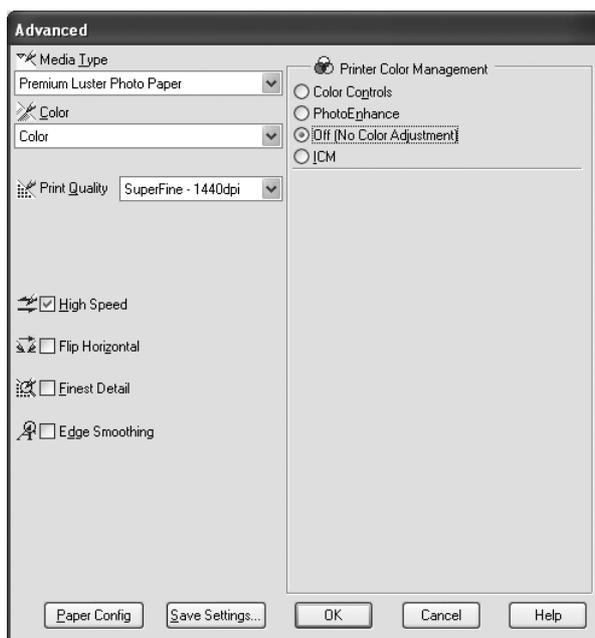
Note:

- ❑ This mode is available only with 16-, 24-, or 32-bit color data.
- ❑ Printing with PhotoEnhance selected may increase the time required in printing, depending on your computer system and the amount of the data contained in your data.

Digital Camera Correction	<p>If you are printing photos taken with a digital camera, select this check box to give your printed photos a smooth and natural appearance like that of photos taken with a film camera.</p> <p>Select the Smooth Skin check box to adjust the image to make its skin color smooth.</p>
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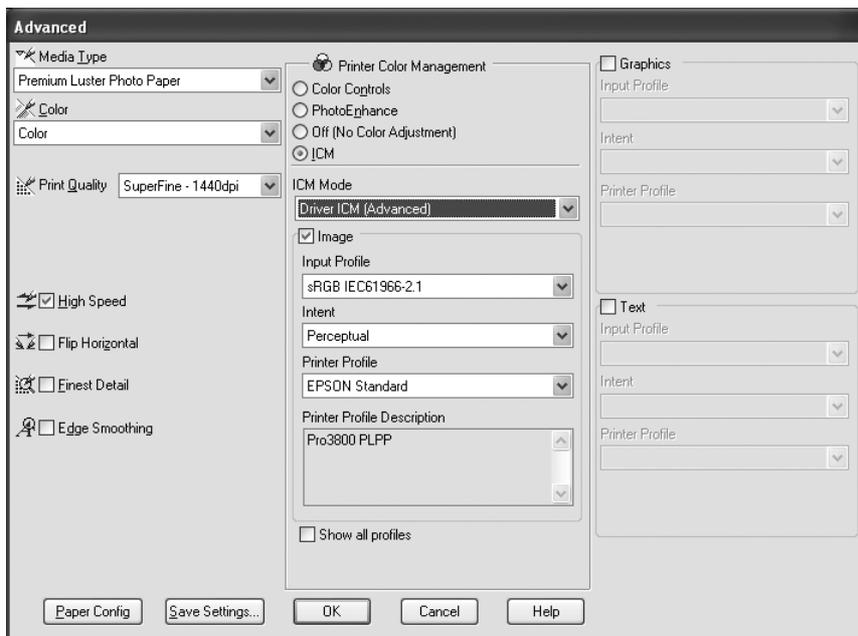
Off (No Color Adjustment)

This setting turns off the printer driver color management, which is useful when you use the color management function of the application to apply an ICC profile. See “Color Management” on page 163 for detailed information on color management.



ICM

This setting uses the Windows color matching method to automatically adjust printout colors to match colors on your screen. Select this setting when printing scanned photographs or computer graphics. See “Color Management” on page 163 for detailed information on color management.



Note:

Be aware that the ambient light and the age, quality, and settings of the monitor can affect the quality of your color matching.

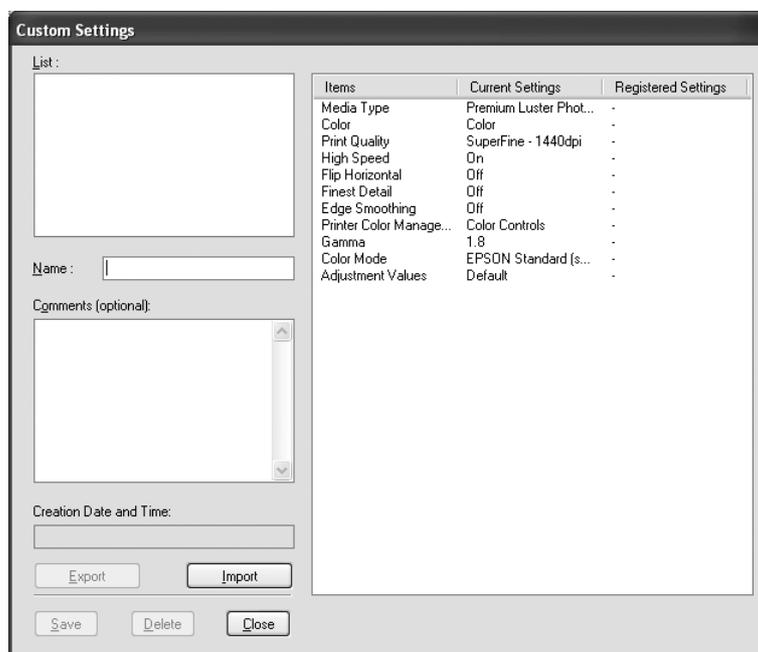
ICM Mode	Select the ICM mode from Host ICM, Driver ICM (Basic), or Driver ICM (Advanced).
Image, Graphics, and Text check boxes	These check boxes are available only when Driver ICM (Advanced) is selected as the ICM Mode. Select the check box you want to set.
Input Profile	Select an input profile. This setting is not available when Host ICM is selected as the ICM Mode setting.

Intent	<p>Select the rendering intent or color mapping preference.</p> <p>Saturation: This setting is the best option for presentation graphics to accurately reproduce vivid colors. Use of this setting is not recommended when printing photo data.</p> <p>Perceptual: This setting renders an image's color to appear naturally, and is often used to render the wide color range of the original image. Use of this setting is recommended when printing photo data.</p> <p>Relative Colorimetric: This setting renders an image by maintaining a relative color range, and is often used when most of the color range before conversion is found in the image after conversion. Use of this setting is recommended when printing photo data.</p> <p>Absolute Colorimetric: This setting renders an image by maintaining an absolute color range so that there is a 1-to-1 ratio of absolute lab coordinates. This setting is not recommended when printing photo data and normal conversions.</p>
Printer Profile	Select a printer profile.
Printer Profile Description	Shows the description of the selected printer profile.
Show all profiles	<p>Shows all profiles in the Input Profile and the Printer Profile pull-down menu.</p> <p>This setting is not available when Host ICM is selected as the ICM Mode setting.</p>

Saving the Advanced settings

To save your Advanced settings, follow the steps below.

1. Click **Save Settings**. The Custom Settings dialog box appears.



2. Type a unique name, up to 31 characters, for your settings in the Name text box.
3. Click **Save**. Your setting will be added to the Custom Setting List.

You can save up to 100 custom settings (including the imported settings). You can select your saved settings from the Custom Settings pull-down menu in the Mode box on the Main menu.

When you select your saved settings in the Custom Settings list, be aware that making new settings, for example Media Type and Color settings, may change your custom settings. This may cause unexpected results in your printouts. If this happens, reselect your saved settings and try printing again.

Note:

The names of the ready-made settings provided by Epson cannot be applied to your new settings.

Deleting the Advanced settings

To delete your Advanced setting, follow the steps below.

Note:

You cannot delete ready-made settings from the Custom Settings list.

1. Click **Save Settings**. The Custom Settings dialog box appears.
2. Select the name of settings you want to delete.
3. Click **Delete**. The setting will be deleted from the Custom Settings list.

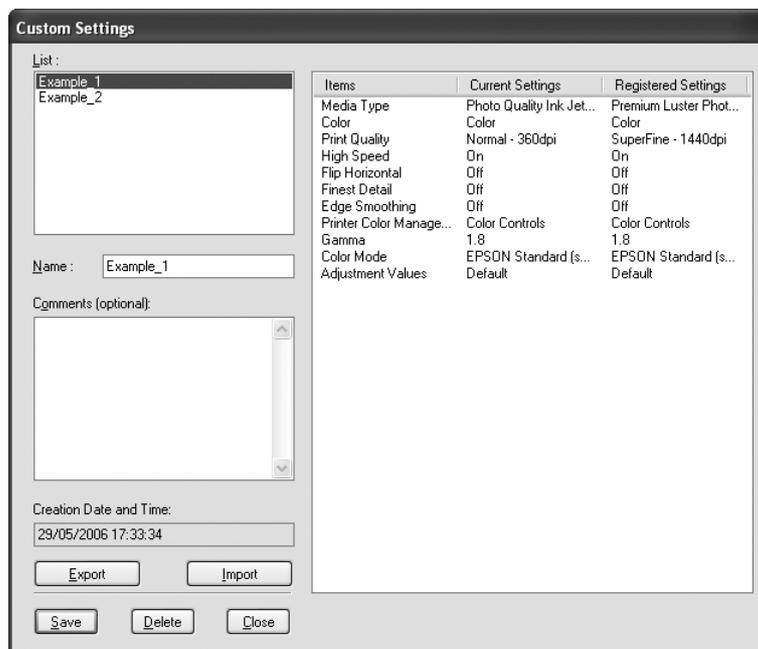
Exporting and importing the Advanced settings

You can export the custom settings you saved, or import from a custom setting file created in another environment.

Exporting the Advanced settings

To export your custom settings, use the following steps.

1. Click **Save Settings**. The Custom Settings dialog box appears.
2. Select the custom settings you want to export.



3. Click **Export**.

4. Select the location where you want to save the file, and then enter the file name.
5. Click **Save**.
6. When the message "Processing complete." appears, click **OK**.

Importing the Advanced settings

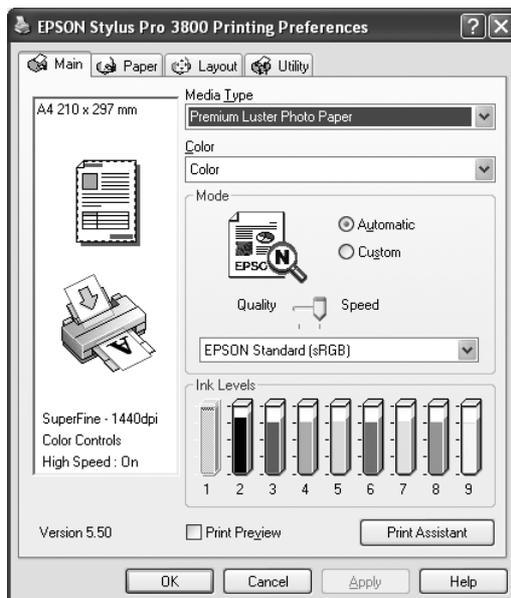
To import custom settings, use the following steps.

1. Click **Save Settings**. The Custom Settings dialog box appears.
2. Click **Import**.
3. Select the folder where the file for importing settings is located, and then select the file.
4. Click **Open**.
5. When the message "Processing complete." appears, click **OK**.

Checking the Ink Levels

You can check the status of each ink cartridge.

The black ink (either Photo or Matte) which is not used is dimmed. When you print, the black ink will change automatically depending on the Media Type setting.

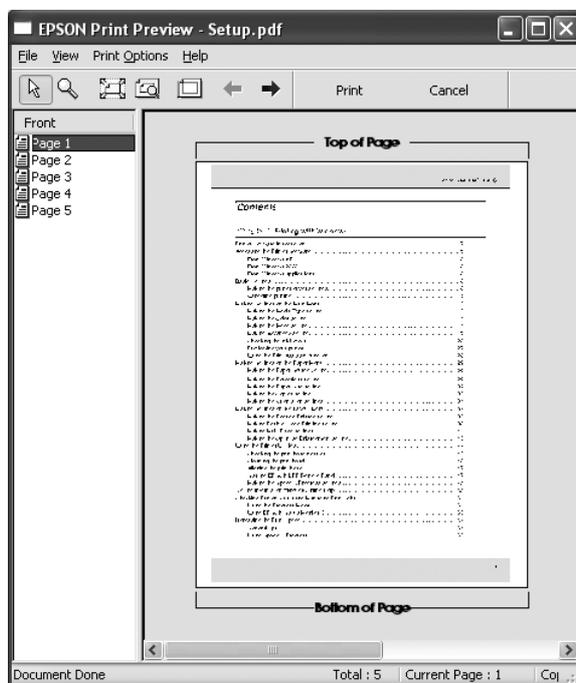


Note:

If your printer is not connected properly or EPSON Status Monitor 3 is not installed, the Ink Level is dimmed.

Previewing your printout

If you select the **Print Preview** check box, you can see how your printout will look before printing. When you send a print job to the printer, the EPSON Print Preview window appears, allowing you to make changes before printing.



The EPSON Preview toolbar contains several buttons that you can use to perform the following functions.

	Zoom	Click this button to enlarge or reduce the size of the previewed image.
	Fit-to-screen	Click this button to scale the previewed image so that it fits the current window size. This is convenient when you want to see the entire image at one time.
	Maximum zoom	Click this button to display the previewed image at the maximum possible zoom ratio.
	Printable area on/off	Click this button to display a rectangle indicating the printable area on the previewed image. The printer cannot print anything which is outside of this rectangle. Click this button again to turn this feature off.
	Previous page	Click this button to display the previous page. If there is no previous page, this button is not available.
	Next page	Click this button to display the next page. If there is no next page, this button is not available.

You can also manipulate the previewed data in the following ways.

- Select and preview individual pages.
- Reduce or enlarge the size of preview.
- Select and print any or all pages.
- Magnify the previewed document: Click **View** and then select **Magnify** to open the Magnify window, which magnifies the area of the previewed document outlined by the red box. By dragging the red box, you can change the part of the document to magnify.
- Specify which pages in the document you want to print: Click **Print Option**, and then select **Remove Page** or **Add Page**.

After you previewing the data, click **Print** to print the data, or click **Cancel** to cancel printing.

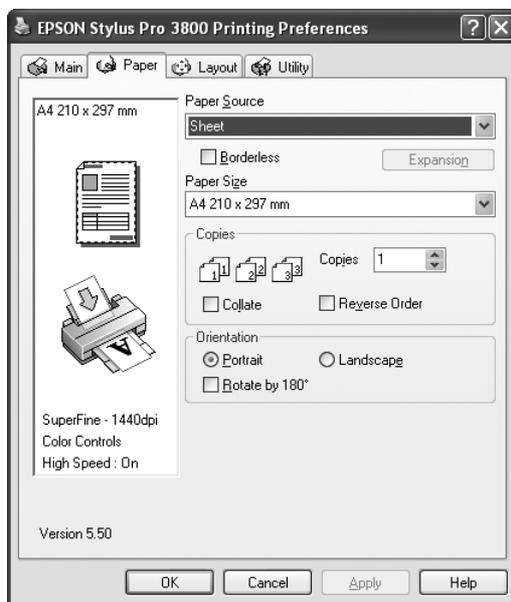
Using the Print Assistant function

You can access the following information by clicking the **Print Assistant** button:

- User's Guide (Troubleshooting page)
- Color Management
- Paper information that is most suitable for printing
- Technical Support Web Site
- Contacting Customer Support

Making Settings on the Paper Menu

You can make Paper Source, Borderless, Paper Size, Copies, or Orientation settings on this menu.



Note:

Most Windows applications feature paper size and page layout settings that override similar settings in the printer driver. However, if your application does not have these features, verify the settings on the printer driver's Paper menu.

Making the Paper Source setting

You can select **Sheet**, **Manual-Rear**, or **Manual-Front** from the Paper Source setting. Select one that matches the paper loaded in the printer.

Making the Borderless setting

You can print your data without margins on paper.

For this printing mode, Epson recommends the following media conditions.

Accommodate media size:

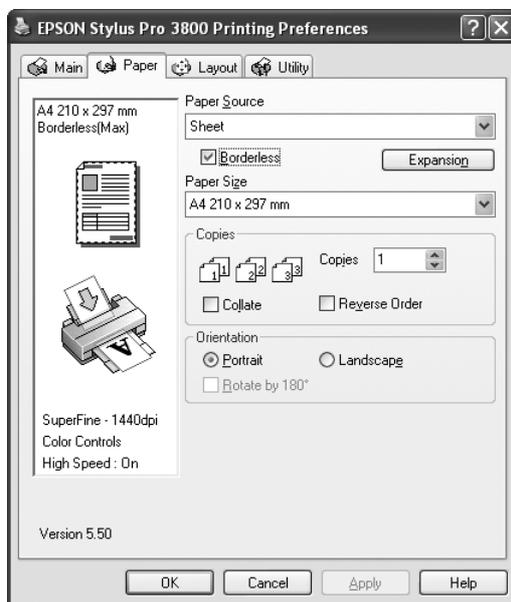
- Letter (8.5 × 11 in)
- US B (11 × 17 in)
- US C (17 × 22 in)
- A4 (210 × 297 mm)
- A3 (297 × 420 mm)
- Super A3 (329 × 483 mm)
- A2 (420 × 594 mm)
- 89 × 127 mm (3.5 × 5 in)
- 102 × 152 mm (4 × 6 in)
- 127 × 178 mm (5 × 7 in)
- 16:9 wide size (102 × 181 mm)
- 203 × 254 mm (8 × 10 in)
- 254 × 305 mm (10 × 12 in)
- 279 × 356 mm (11 × 14 in)
- 406 × 508 mm (16 × 20 in)

Note:

- If your application has margin settings, make sure they are set to zero before printing.
- The ink may contaminate the platen of the printer. In this case, wipe the ink away using a cloth.
- Printing with this feature takes longer time than normal printing.
- Smear may result in the top and bottom areas depending on the media.
- If you select **Manual-Front** for the Paper Source, the **Borderless** check box does not appear.
- Borderless printing is not supported when the PAPER SIZE CHECK setting is off. Make sure that ON is selected for PAPER SIZE CHECK on the printer's control panel.

To print your data with this feature, follow the steps below.

1. Select **Borderless**.



2. Click the **Expansion** button. The Expansion dialog box appears.



3. Choose **Auto Expand** or **Retain Size**, and the amount of enlargement.

Auto Expand	<p>Select this setting if you want to enlarge the size of print data automatically and print without margins. You can choose the amount of enlargement by moving the slider.</p> <p>Note: Enlarged areas that exceed the paper size will not be printed on the paper.</p>
--------------------	---

Retain Size	<p>Select this setting if you do not want to change the ratio of your print data.</p> <p>When you select this setting, you need to enlarge your image data to exceed the paper width and height, to avoid unprinted areas appearing along the all four edges. Enlarging 5 mm in all four directions is recommended, using the application that created the data.</p>
Amount of Enlargement	<p>When you select Auto Expand, the slider becomes available. Using the slider, you can control the amount of the image that extends beyond the edges of the paper during borderless printing.</p> <p>For most print jobs, Max is recommended in order to eliminate margins on all sides of the paper.</p> <p>Moving the slider towards Min decreases the amount of the image enlargement; however, as this amount decreases, margins may appear on one or more sides of the paper.</p>

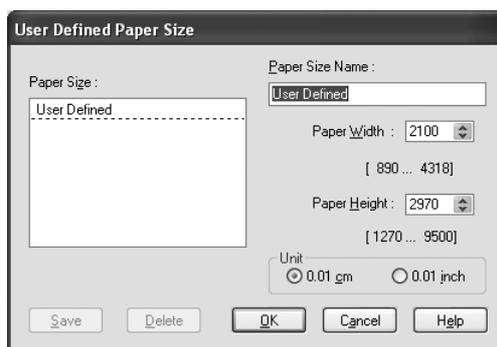
4. Click **OK**.
5. Start printing your data from your application.

Making the Paper Size setting

You can select a paper size that you want to use. Select the proper paper size from the Paper Size list.

You can also add a custom paper size, using the steps below.

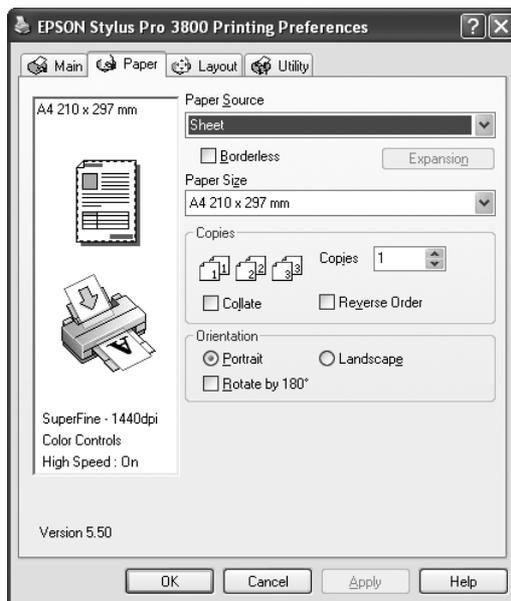
1. Select **User Defined** from the Paper Size list. The User Defined Paper Size dialog box appears.



2. Enter **Paper Size Name**, **Paper Width** and **Paper Height**, and then select **Unit**.
3. Click **OK** to save the custom paper size.

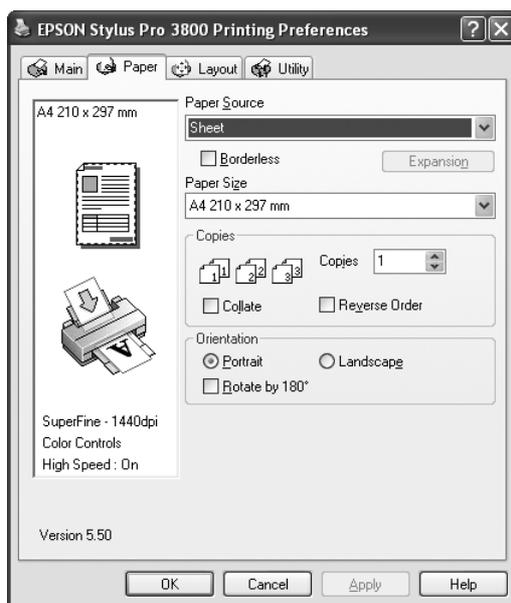
Making the Copies setting

You can specify the number of copies to print. Enter a number in the Copies box, or click the arrow next to the box. You can enter any number from 1 to 9999. When printing multiple copies of your document, select **Collate** to print one complete document set at a time. Select **Reverse Order** to print your documents in reverse order, starting with the last page.



Making the Orientation settings

You can specify the direction of printing on the page.



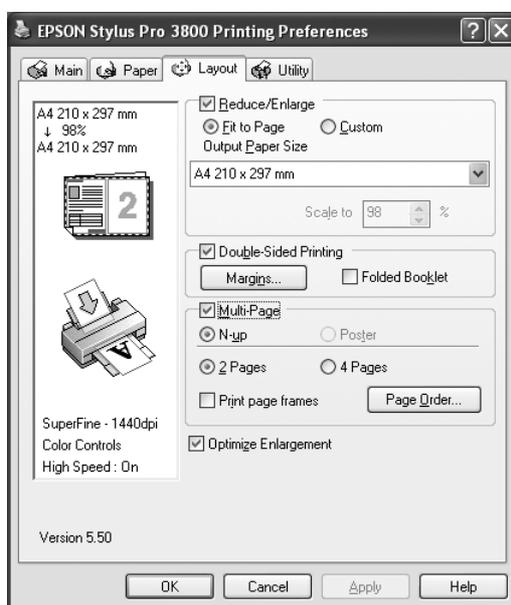
Portrait	Print direction is short edge first, like most magazines.
Landscape	Print direction is long edge first, like many spreadsheets.
Rotated by 180°	Prints your document upside down.

Making Settings on the Layout Menu

You can make the Reduce/Enlarge, Double-Sided Printing, Multi-Page, and Optimize Enlargement settings on this menu.

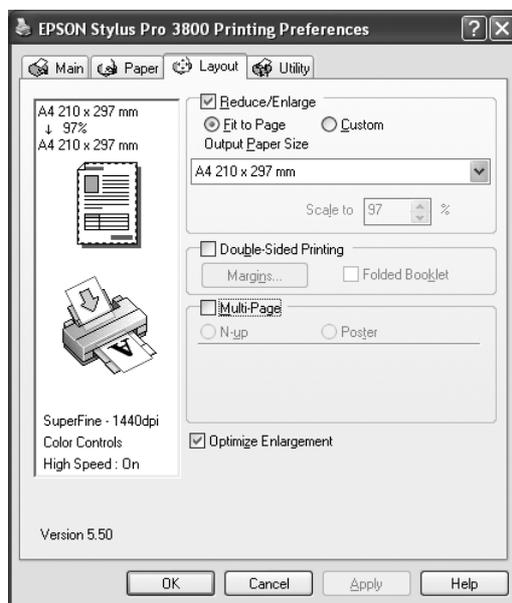
Note:

According to the paper source you choose, some of the functions are not available.



Making the Reduce/Enlarge setting

You can fit the size of your data to the size of paper you to print on. To enable this function, select **Reduce/Enlarge**. When this function is enabled, you can make the following settings.



Fit to Page	Proportionally enlarges or reduces the size of your data to make it fit the paper size you have selected in the Output Paper Size.
Custom	Lets you define the percentage you want to enlarge or reduce a data. Click the arrows next to the Scale box to select a proportion from 10 to 400%.

Making Double-Sided Printing setting

You can perform double-sided printing. There are two types of double-sided printing available. Standard double-sided printing allows you to print the odd-numbered pages first. Once these pages are printed, the paper can be reloaded for printing the even-numbered pages onto the opposite side of the paper.

You can also perform Folded Booklet double-sided printing. It lets you make single-fold booklets.

Note:

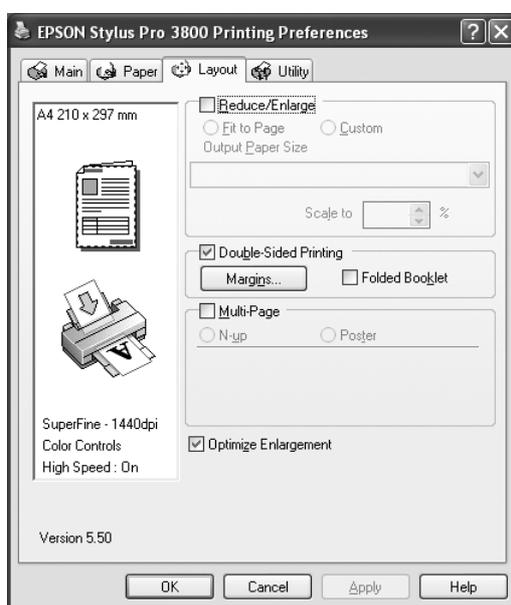
- ❑ *The double-sided printing feature is not available when the printer is accessed over a network or used as a shared printer, Status Monitor 3 is not installed, or your system is not configured to support bi-directional communication.*
- ❑ *Only use media types that are suitable for double-sided printing; otherwise, the print quality may deteriorate.*

- ❑ Depending on the type of paper and the amount of ink used to print text and images, ink may bleed through to the other side of the paper.
- ❑ The surface of the paper may be smeared during double-sided printing.
- ❑ This function is available only when **Sheet** is selected as the Paper Source setting.

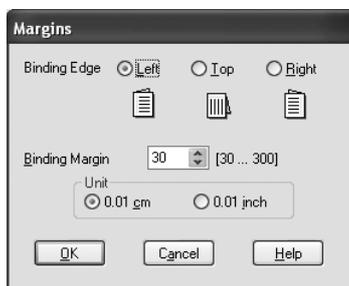
Standard double-sided printing

To print odd and even numbered pages on the opposite sides of a sheet, follow the steps below.

1. Select **Double-Sided Printing**.



2. Click **Margins**. The following dialog box appears.



3. Specify the edge of the paper where binding will be placed. You can choose **Left**, **Top**, or **Right**.

- Specify the width of the binding margin, using the Binding Margin text box. You can specify any width from 3 to 30 mm.

Note:

The actual binding margin may vary depending on the settings specified in your application. We recommend that you test the print quality before printing the entire job.

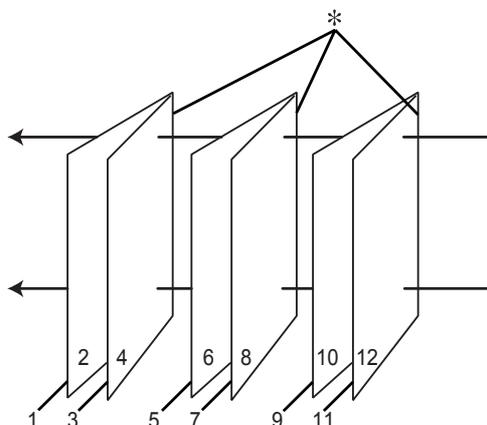
- Click **OK** to return to the Layout menu, and then click **OK** to save your settings.
- Make sure paper is loaded, and then send a print job from your application. Instructions for generating the even-numbered pages will be displayed while the odd-numbered pages are output.
- Follow the on-screen instructions and reload the paper.

Note:

- The paper may curl during printing due to the amount of ink used. If this problem occurs, slightly curl the sheets in the opposite direction prior to reloading them into the printer.*
 - Align the sheet stack by tapping its edges against a hard, flat surface prior to reloading the stack into the printer.*
 - Follow the instructions provided when reloading the printouts. Paper jams or improperly placed binding margins may occur if the printouts are not reloaded correctly.*
 - In the event of a paper jam, see "Clearing paper jams" on page 161.*
- Once the paper is reloaded, click **Resume** to print the even-numbered pages.

Folded Booklet double-sided printing

You can also make single-fold booklets using the double-sided printing feature. When you create a single-fold booklet, the pages that appear on the outside (after the booklet is folded) are printed first. The pages that will appear inside the booklet can then be printed after the paper is reloaded into the printer.

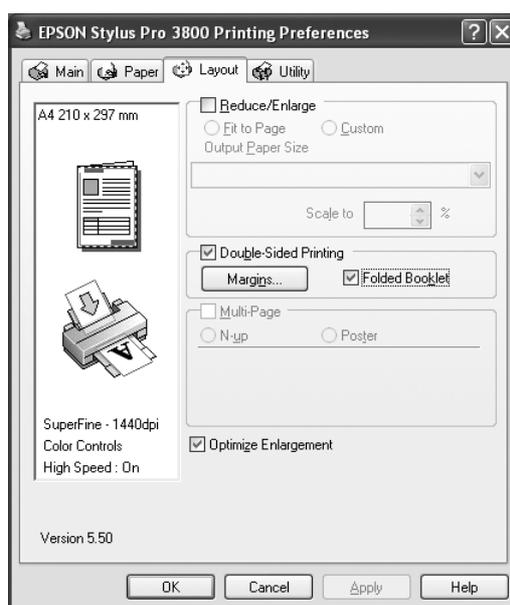


* Binding Edge

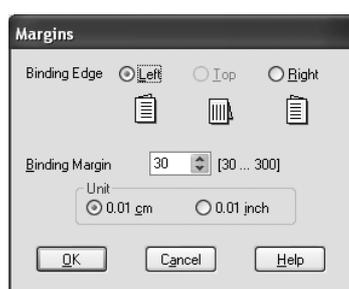
A booklet can be created by printing pages 1 and 4 on the first sheet of paper, pages 5 and 8 on the second sheet of paper, and pages 9 and 12 on the third sheet of paper. After these sheets are reloaded into the sheet feeder, you can then print pages 2 and 3 on the back of the first sheet of paper, pages 6 and 7 on the back of the second sheet of paper, and pages 10 and 11 on the back of the third sheet of paper. The resulting pages can then be folded and bound together into a booklet.

To create the booklet, follow the steps below.

1. Select **Double-Sided Printing**, and then select **Folded Booklet**.



2. Click **Margins**. The Margins dialog box appears.

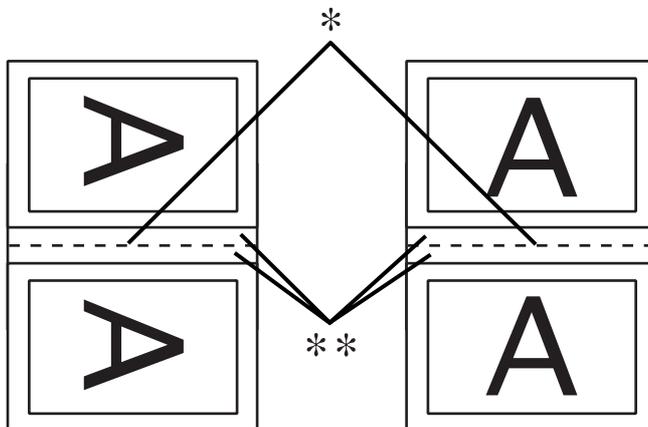


3. Specify the edge of the paper where binding will be placed. You can choose **Left**, **Top**, or **Right**.

Note:

When **Portrait** is selected as the Orientation setting on the Paper menu, Left or Right binding positions are available. The Top binding position is supported when **Landscape** is selected as the Orientation setting.

- Specify the width of the binding margin, using the Binding Margin text box. You can specify any width from 3 to 30 mm. The specified margin width will be used on both sides of the fold. For example, if a 10-mm margin is specified, a 20-mm margin will be inserted. (A margin of 10 mm will be placed on each side of the fold.)



* Folding Edge

** Margin

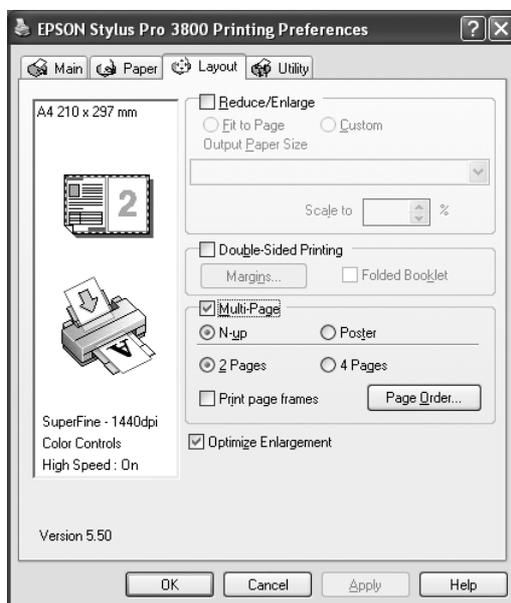
- Click **OK** to return to the Layout menu, and then click **OK** to save your settings.
- Make sure paper is loaded, and then send a print job from your application.
- Instructions for printing the inside pages will be displayed while the outside pages are output. Follow the on-screen instructions to reload the paper.

Note:

- The paper may curl during printing due to the amount of ink used. If this problem occurs, slightly curl the sheets in the opposite direction prior to reloading them into the printer.*
 - Align the sheet stack by tapping its edges against a hard, flat surface prior to reloading the stack into the printer.*
 - Follow the instructions provided when reloading the printouts. Paper jams or improperly placed binding margins may occur if the printouts are not reloaded correctly.*
- Once the paper is reloaded, click **Resume** to print the inside pages.
 - Once printing is complete, fold the sheets and bind them together using a stapler or other binding method.

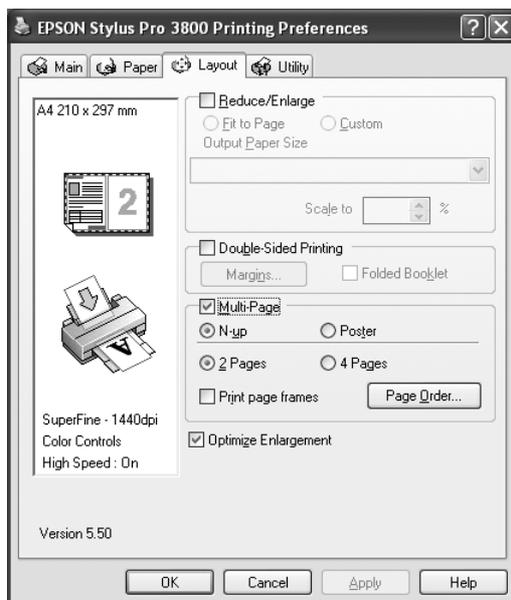
Making Multi-Page settings

Selecting Multi-Page lets you choose between the N-up and Poster settings.



Making N-up settings

Select **N-up** as the Multi-Page setting to print two or four pages of your document on one sheet of paper.

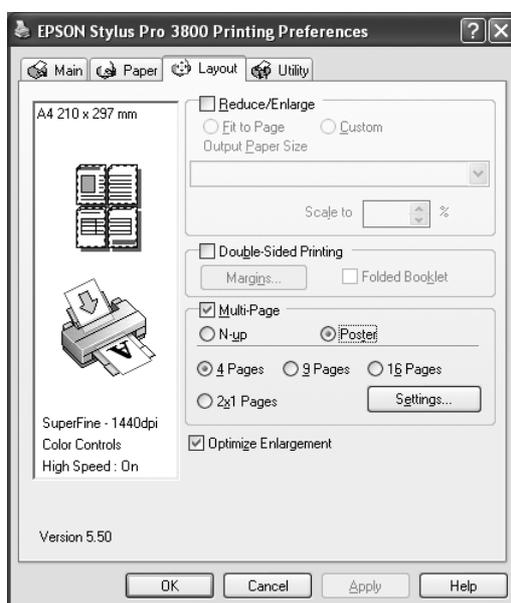


When **N-up** is selected, you can make the following settings.

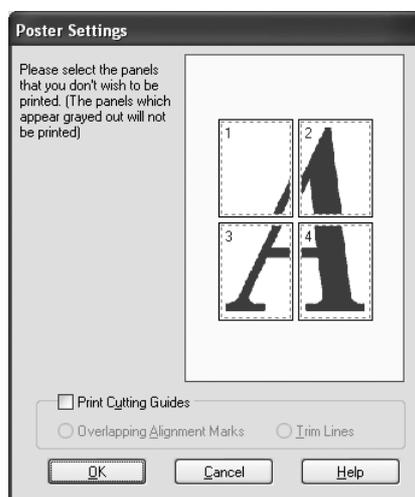
2 Pages 4 Pages	Prints two or four pages of your data on a single sheet of paper.
Page Order	Opens the Print Layout dialog box, where you can specify the order in which the pages will be printed. Some settings may be unavailable, depending on the Orientation selection on the Paper menu.
Print page frames	Prints frames around the pages printed on each sheet.

Making Poster settings

A single page can be enlarged to cover 4, 9, or 16 printed sheets of paper. Select **Poster** as the Multi-Page setting to print a poster-size image.



Click **Settings** to adjust the way your poster will print. The Poster Settings dialog box opens.



You can make the following settings.

Print Cutting Guides	Check this box to turn the cutting guide options on.
Overlapping Alignment Marks	Slightly overlaps the images and prints alignment markers so that they can be aligned more precisely.
Trim Lines	Prints border lines on the images to guide you when trimming the pages.

If you only want to print a few of the panels without printing the entire poster, click the panels that you do not want to print, and then click **OK** to close the Poster Settings dialog box.

If you have selected the **Borderless** check box in the Paper menu, the following dialog box appears.

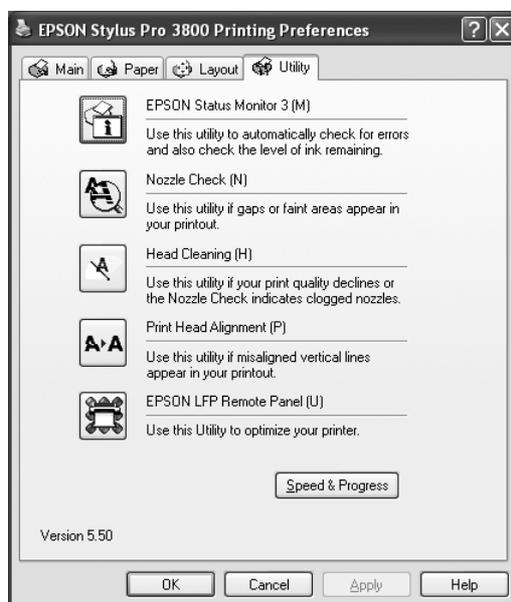


Making the Optimize Enlargement setting

Select this check box to optimize an enlargement to achieve long poster or panoramic printing without using a particular application. Clear this check box if text or graphics are distorted; however, output length may be limited depending on the application.

Using the Printer Utilities

The Epson printer utilities let you check the current printer status and perform printer maintenance from your screen.



Note:

- ❑ *The letter in parentheses after the utility name indicates the shortcut key for that utility. Press **ALT** and the letter on the keyboard to open that utility.*
- ❑ *Do not use the Nozzle Check, Head Cleaning, or Print Head Alignment utilities if your printer is connected to your computer through a network.*
- ❑ *Do not use the Nozzle Check, Head Cleaning, or Print Head Alignment utilities while printing is in progress; otherwise, your printout may be marred.*

EPSON Status Monitor 3

This utility provides you with printer status information, such as the ink cartridge status, the free space of the maintenance cartridge, and it also checks for printer error.

Note:

This utility is available when your system is configured to support bi-directional communication.

Nozzle Check

This utility checks the print head nozzles for clogging. Check the nozzles when you notice the print quality has declined and after cleaning to confirm that the print head nozzles have been cleaned. See “Checking the print head nozzles” on page 47.

If you click **Auto** in the Nozzle Check dialog box, or select **AUTO** for **NOZZLE CHECK** from the control panel on the printer, this utility not only checks the clogging nozzles, but also performs head cleaning automatically.

Head Cleaning

This utility cleans the print head. You may need to clean the print head if you notice the print quality has declined. Use this utility to perform head cleaning. See “Cleaning the print head” on page 48.

Print Head Alignment

This utility can be used to improve the print quality of your printed data. The alignment of the print head may need to be adjusted if vertical lines appear out of alignment or if white or black banding noise appear in your printed data. Use this utility to realign the print head. See “Aligning the print head” on page 49.

EPSON LFP Remote Panel

This utility lets you optimize your printer. See “Starting EPSON LFP Remote Panel” on page 49.

Checking the print head nozzles

If you find that the printed data is unexpectedly faint or dots in the printed data are missing, you may be able to identify the problem by using the Nozzle Check utility.

To use the Nozzle Check utility, follow the steps below.

Note:

Do not start the Nozzle Check utility while printing is in progress; otherwise, your printout may be marred.

1. Make sure that several sheets of A4/Letter size or larger paper are loaded in the printer.
2. Click **Nozzle Check**.

3. Click **Print** if you want to visually check if any print head nozzles are clogged. Click **Auto** if you want to perform an automatic nozzle check, and if the nozzle check indicates it is necessary, perform an automatic head cleaning.



4. Follow the on-screen instructions to print a nozzle check pattern.

If you find missing dots, clean the print head nozzle. See “Cleaning the print head” on page 48.

Cleaning the print head

If you find that the printed data is unexpectedly faint or dots in the printed data are missing, you may be able to solve these problems by using the Head Cleaning utility to clean the print head, which ensures that the nozzles are delivering ink properly.

To use the Head Cleaning utility, follow the steps below.

Note:

- Do not start the Head Cleaning utility while printing is in progress; otherwise, your printout may be marred.
- To save ink, use the Nozzle Check utility first to confirm that the print head needs to be cleaned. This is because the cleaning process consumes some ink.
- When the ink status light is flashing or on, you cannot clean the print head. Replace the appropriate ink cartridge first. See “Replacing Ink Cartridges” on page 133.

1. Make sure the printer is turned on and the ink status light is off.
2. Click **Head Cleaning**.
3. Follow the on-screen instructions.

4. Click **Print Nozzle Check Pattern** in the Head Cleaning dialog box to confirm that the head is clean and to reset the cleaning cycle.

If you still find missing dots after cleaning, try the following solutions.

- Select **POWER CLEANING** from the control panel on the printer. See “**POWER CLEANING**” on page 107.
- Repeat this procedure four or five times, turn the printer off and leave it alone overnight, and then try head cleaning again.
- Replace some of ink cartridges as they may be old or damaged.

If the print quality remains a problem after you have tried these solutions, contact your dealer. See “**Contacting Customer Support**” on page 174.

Aligning the print head

If you find misaligned lines or black or white banding on the printed data, you may be able to solve these problems by using the Print Head Alignment utility to align the print head.

To use the Print Head Alignment utility, follow the steps below.

1. Make sure that the printer is on and EPSON special sheet of A4/Letter size or larger paper is loaded in the printer.
2. Click **Print Head Alignment**.
3. Follow the on-screen instructions to align the print heads.

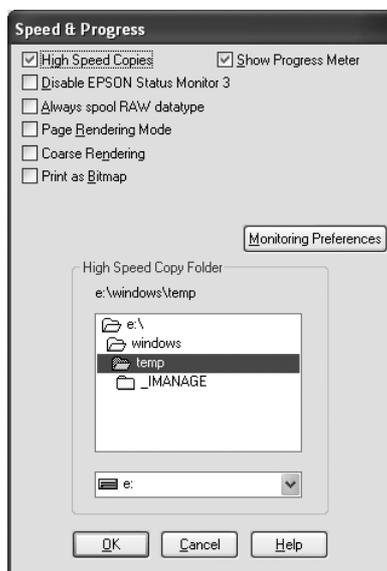
Starting EPSON LFP Remote Panel

You can optimize your printer using this utility. To start EPSON LFP Remote Panel, see the steps below.

1. Make sure the printer is turned on.
2. Click **EPSON LFP Remote Panel**.
3. Follow the on-screen instructions. See the EPSON LFP Remote Panel online help for details.

Making the Speed & Progress settings

You can make settings related to print speed and progress. To make the Speed & Progress settings, click **Speed & Progress** on the Utility menu. The Speed & Progress dialog box appears.



High Speed Copies

To print multiple copies of your data faster, select **High Speed Copies**. This speeds up printing by using your hard disk space as a cache when printing multiple copies of your data.

Show Progress Meter

To display the Progress Meter every time you print, select **Show Progress Meter**. Then, you can monitor the progress of your print job.

Disable EPSON Status Monitor 3

To disable printer status monitoring with EPSON Status Monitor 3, select **Disable EPSON Status Monitor 3**.

Always spool RAW datatype

To enable NT-based clients spool documents to use the RAW format instead of the EMF (metafile) format, select the **Always Spool Raw datatype** check box (Windows NT-based applications use the EMF format by default).

Try using this option if documents spooled in the EMF format do not print correctly.

Depending on the data to print, spooling RAW datatype requires fewer resources than EMF, so some problems ("Insufficient Memory/Disk Space to Print", "Slow print speed", etc) can be solved by selecting this option.

Note:

When you spool RAW datatype, the print progress as displayed by the Progress Meter may differ from the actual printing progress.

Page Rendering Mode

Use this function when the print speed is extremely slow or when the print head stops for a few minutes while printing. When this check box is selected, the print speed may improve by rendering as page.

However, the following problems may occur.

- Print progress displayed in the Progress Meter window may differ from the actual print progress.
- Printing may take a longer time to start.

Coarse Rendering

Use this function if the output length (number of pixels) is limited by the application. Longer print output is made possible by reducing the resolution to restrict the number of pixels to within the application's limit.

Print as Bitmap

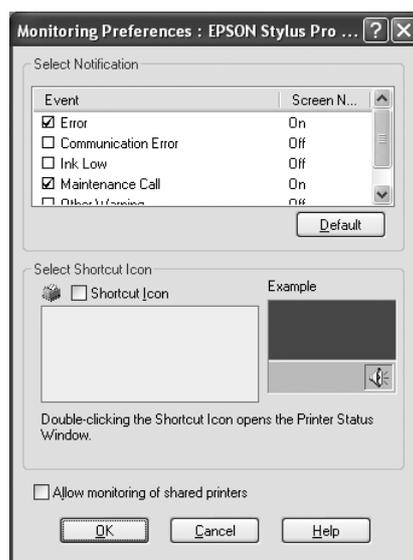
Use this function when the print speed is extremely slow or when the print head stops for a few minutes while printing. Try this option if Always spool RAW datatype and Page Rendering Mode do not solve the problem.

Monitoring Preferences

This function lets you specify the monitoring feature of EPSON Status Monitor 3.

To make settings for EPSON Status Monitor 3, follow the steps below.

1. Click **Monitoring Preference**. The Monitoring Preference dialog box appears.



2. Make the following settings.

Select Notification	Displays the current error item notification settings. Select the appropriate check boxes to specify the error types for which you wish to receive notification.
Select Shortcut Icon	Select the Shortcut Icon check box to display a shortcut icon in your Windows taskbar. Clicking the shortcut icon in the taskbar will open EPSON Status Monitor 3. Click the icon you prefer as shortcut icon, and you can confirm the icon at the right.
Allow monitoring of shared printers	Allows monitoring of a shared printer by other computers.

3. Click **OK**.

Getting Information Through Online Help

Your printer software has extensive online help, which provides instructions on printing, making printer driver settings, and using printer utilities.

To access help from your application, follow the steps below.

1. Click **Print** or **Page Setup** on the File menu.
2. Click **Printer**, **Setup**, **Options**, or **Properties**. Depending on your application, you may need to click a combination of these buttons. You can also access the printer software.
3. You can view a detailed explanation using the following ways.
 - Click the (?) button on the top right of the printer driver window, and then click the item.
 - Right-click the item, and then click the **Help** button.
 - Click Help on the Main, Paper, Layout, or Utility menu for help related to the item on that menu.

Checking Printer Status and Managing Print Jobs

Using the Progress Meter

When you send a print job to the printer, the Progress Meter window opens.



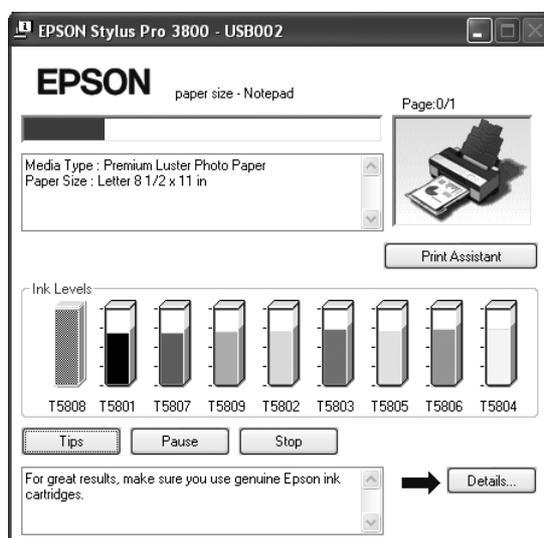
The Progress Meter indicates the progress of the current print job and provides printer status information when bi-directional communication between the printer and your computer is established. This meter also displays helpful tips for better printing and error messages.

Note:

The Progress Meter window does not appear when the **Show Progress Meter** check box is turned off in the Speed & Progress dialog box. See "Making the Speed & Progress settings" on page 50 for more information.

EPSON Printing Tips

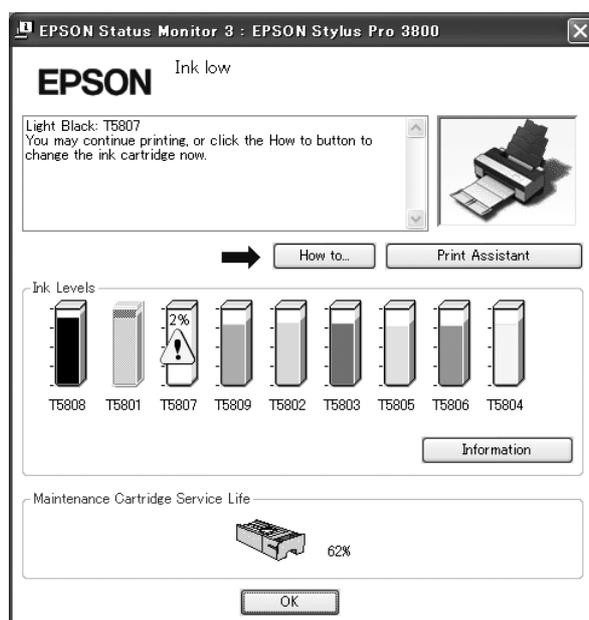
Tips on getting the most out of your Epson printer driver appear at the bottom of the Progress Meter window. A new tip appears every 30 seconds. For more details on a displayed tip, click **Details**.



Error messages

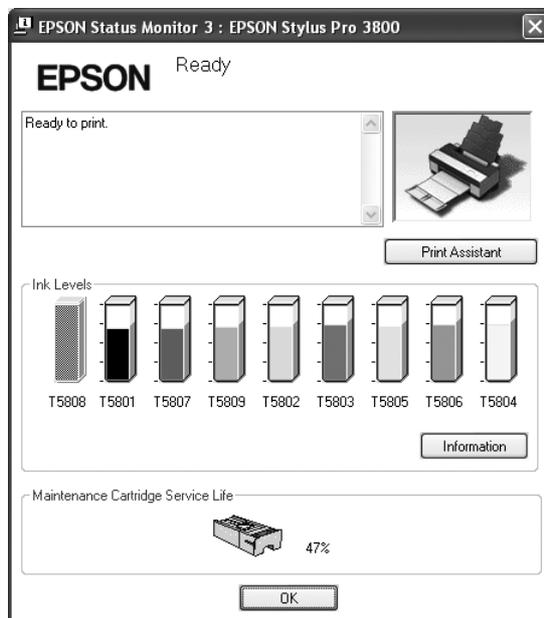
If a problem occurs during printing, an error message appears in the text box at the top of the Progress Meter window. Check the message and solve the problem accordingly.

When the ink runs low or expended, or when the maintenance cartridge becomes full, the **How to** button appears in the Progress Meter window. Click **How to**, and EPSON Status Monitor will lead you step by step through a procedure to replace the cartridge.



Using EPSON Status Monitor 3

EPSON Status Monitor 3 displays detailed information on the printer status.



Accessing EPSON Status Monitor 3 from the shortcut icon

To access EPSON Status Monitor 3 from the shortcut icon, double-click the printer-shaped shortcut icon on the Windows taskbar.

Note:

To add a shortcut icon to the taskbar, see “Monitoring Preferences” on page 52.

Accessing EPSON Status Monitor 3 from the printer driver

To access EPSON Status Monitor 3 from the printer driver, follow the steps below.

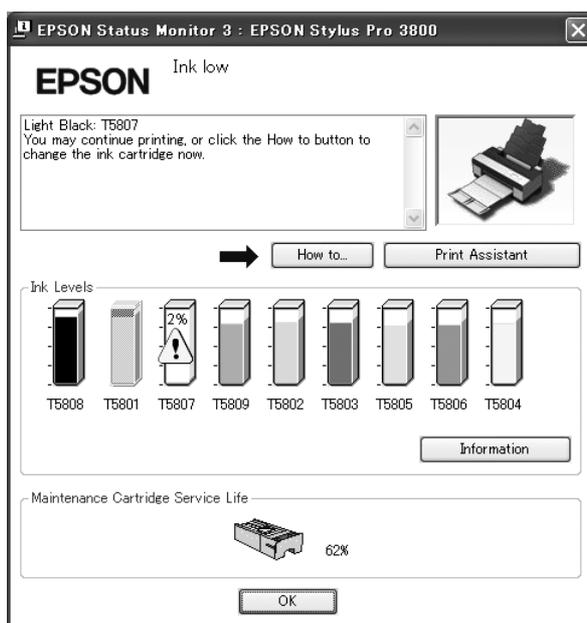
1. Access the printer driver. See “Accessing the Printer Software” on page 9.
2. Click the **Utility** tab to open the Utility menu.
3. Click **EPSON Status Monitor 3**.

Viewing information in EPSON Status Monitor 3

EPSON Status Monitor 3 provides the following information.

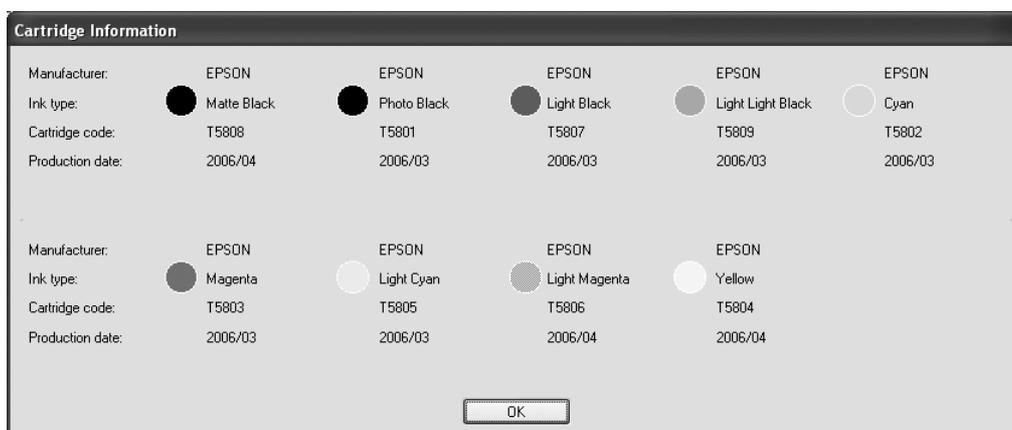
Current Status

EPSON Status Monitor 3 provides you with detailed printer status information, a graphic display of the ink cartridge status and the free space of the maintenance cartridge, and status messages. If the ink runs low or expended, or the maintenance cartridge becomes full, the **How to** button appears in the EPSON Status Monitor 3 window. Click **How to** to display instructions on how to replace the cartridge.



Information button

When you click this button, the Cartridge Information dialog box appears. It contains the cartridge information such as the manufacturer, ink type, cartridge code, and production data of each cartridge.



Increasing the Print Speed

General tips

Printing color data using higher print quality settings takes longer than printing black-and-white data using standard print quality, as the volume of high quality color data is much greater. For this reason, it is important to be selective in your use of color and print quality settings if you also require a faster print speed.

However, even if your data requires the highest print quality and extensive use of color, it may still be possible to optimize the print speed by adjusting other printing conditions.

The following table shows the factors that inversely affect print speed and print quality.

Print quality		Higher	Lower
Print speed		Slower	Faster
Advanced menu settings	Print Quality	SuperFine - 1440dpi	Normal - 360dpi
	High Speed	Off	On
Data characteristics	Image Size	Large	Small
	Resolution	High	Low

The following table shows the factors related to print speed only.

Print speed		Faster	Slower
Advanced menu settings	Color	Black	Color
	Flip Horizontal	Off	On
Data characteristics	Variety of colors	Grayscale	Full color
Hardware resources	System speed	Fast	Slow
	HDD free space	Large	Small
	Memory free space	Large	Small
Software status	Running applications	One	Many
	Virtual memory	Not in use	In use

Using Speed & Progress

You can make certain print speed settings in the Speed & Progress dialog box. To access this dialog box, click **Speed & Progress** on the Utility menu. For details, see “Making the Speed & Progress settings” on page 50.

Sharing Your Printer

This section describes how to share your printer so that other computers on a network can use it.

The computer on a network can share the printer that is directly connected to one of them. The computer that is directly connected to the printer is the printer server, and the other computers are the clients which need permission to share the printer with the printer server. The clients share the printer via the printer server.

Note:

To connect your printer directly to a network without setting it up as a shared printer, consult your network administrator.

For Windows XP x64 and XP

Setting up your printer as a shared printer

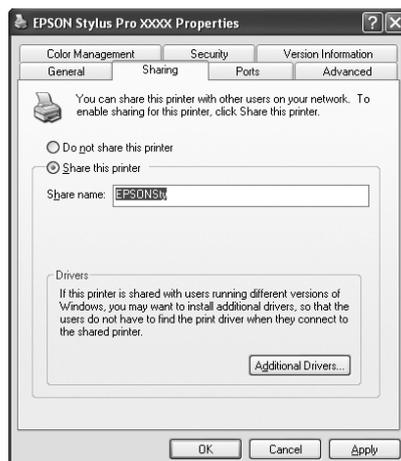
To share a printer that is connected directly to your computer with others on a network, follow the steps below.

1. Click **Start**, and then click **Printers and Faxes**.

- Right-click your printer icon, and click **Sharing**. If the following menu appears, click **Network Setup Wizard** or **If you understand the security risks but want to share printers without running the wizard, click here**, and follow the on-screen instruction.



- Select **Share this printer**, and type the name in the Share name box.



- Click **OK**.

Note:

Do not choose any drivers from the Additional Drivers list.

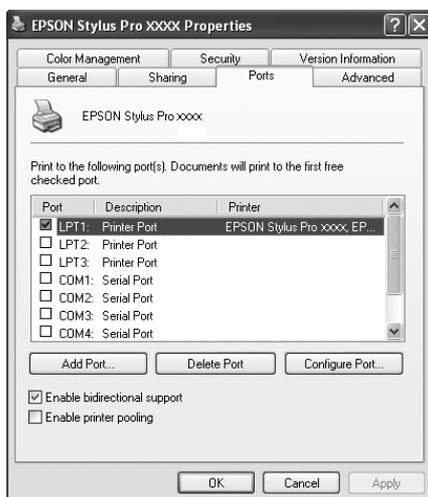
Accessing the shared printer

To access the shared printer from another computer on a network, follow the steps below.

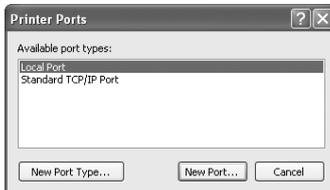
Note:

Your printer must be set up as a shared resource on the computer to which it is directly connected before you can access it from another computer.

1. Install the printer driver to the client computer from the software CD-ROM.
2. Click **Start**, and then click **Printers and Faxes**. Right-click your printer's icon, and open the **Properties** for your printer.
3. Click the **Ports** tab, and click **Add Port**.



4. Select **Local Port**, then click **New Port**.



5. In the text box, type the following information:

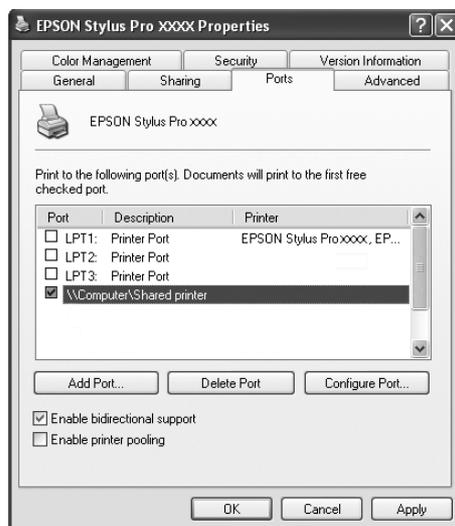
\\name of computer that is connected to the printer\name of the shared printer

Then click **OK**.



6. Close the Printer Ports dialog box to return to the Ports menu.

- On the Ports menu, make sure that the new port is added and the check box is selected. Click **OK** to close the Properties.



For Windows 2000

Setting up your printer as a shared printer

To share a printer that is connected directly to your computer with others on a network, follow the steps below.

- Click **Start**, point to **Settings**, and then click **Printers**.
- Select your printer, then click **Sharing** on the File menu.
- Select **Shared as**, and enter the name in the Share Name text box.



4. Click **OK**.

Note:

Do not choose any drivers from the Additional Drivers list.

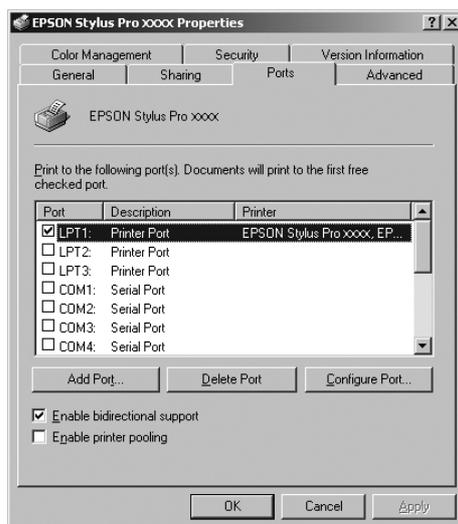
Accessing the shared printer

To access the shared printer from another computer on a network, follow the steps below.

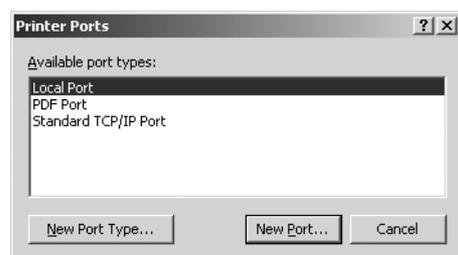
Note:

Your printer must be set up as a shared resource on the computer to which it is directly connected before you can access it from another computer.

1. Install the printer driver to the client computer from the software CD-ROM.
2. Open the Printer folder from the Control Panel, right-click your printer's icon, and open the Properties for your printer.
3. Click the **Ports** tab, and click **Add Port**.



4. Select **Local Port**, and click **New Port**.



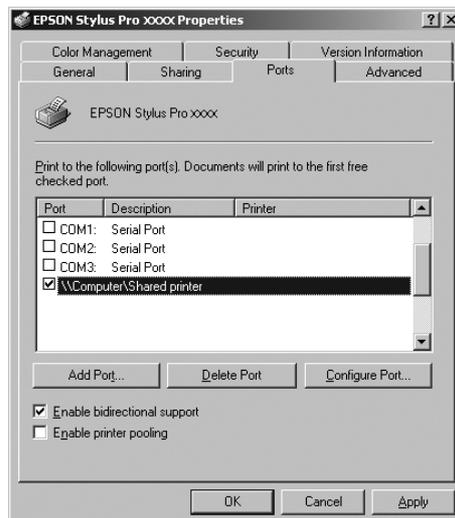
5. In the text box, type the following information:

\\name of computer that is connected to the printer\name of the shared printer

Then click **OK**.



6. When you enter the information, the **Cancel** button on the Printer Ports dialog box changes to the **Close** button. Click **Close** to return to the Ports menu.
7. On the Ports menu, make sure that the new port is added and the check box is selected. Click **OK** to close the printer driver.



Updating and Uninstalling the Printer Software

This section describes how to upgrade your Windows operating system, update the printer software in Windows XP x64, XP, or 2000, and uninstall the printer driver from your computer.

Updating the driver in Windows XP x64, XP, or 2000

When you update the printer driver in Windows XP x64, XP, or 2000, you must uninstall the previous printer driver before you install the new driver. Installing over the existing printer driver results in a failure to update. To uninstall the printer driver, see “Uninstalling the printer driver” on page 65.

Uninstalling the printer driver

To uninstall the printer driver, follow the steps below.

Windows XP x64 and XP

1. Click **Start**, click **Control Panel**, and then click **Add or Remove Programs**.
2. Select **EPSON Printer Software** to uninstall the printer driver from the software list.
3. Click the **Change/Remove** button.
4. Select the **EPSON Stylus Pro 3800** icon.
5. Follow the on-screen instructions to complete uninstallation.

Windows 2000

1. Click **Start**, point to **Settings**, and then click **Control Panel**.
2. Double-click the **Add/Remove Programs** icon.
3. Select **EPSON Printer Software** to uninstall the printer driver from the software list.
4. Click the **Change/Remove** button.
5. Select the **EPSON Stylus Pro 3800** icon.
6. Follow the on-screen instructions to complete uninstallation.

Chapter 2

Printing with Mac OS X

Printer Software Introduction

The printer software which comes with your printer includes a printer driver and printer utilities. The printer driver lets you choose from a variety of settings to get the best results from your printer. The printer utilities help you check the printer and keep it in top operating condition.

The printer software includes the following dialogs.

Dialog	Settings and Utilities
Page Setup	Page Attributes setting: Format for, Paper Size, Orientation, Scale Custom Paper Size setting: Paper Size, Printer Margins Summary setting: Summary of current settings
Print	Common in all options: Printer, Presets Copies & Pages option: Copies, Collated, Pages Layout option: Pages Per Sheet, Layout Direction, Border Output Options option: Save as File, Format Scheduler option: Print Document (time), Priority Paper Handling option: Page Order, Print (pages), Destination Paper Size ColorSync option: Color Conversion, Quartz Filter Cover Page option: Print Cover Page, Cover Page Type, Billing Info Print Settings option: Page Setup, Media Type, Color, Mode Printer Color Management option: Color Management Paper Configuration option: Color Density, Drying Time per Print Head Pass, Paper Feed Adjustment, Paper Thickness, Platen Gap Expansion option: Amount of enlargement slider Summary option: Summary of current settings

Utility	EPSON Status Monitor, Nozzle Check, Head Cleaning, Print Head Alignment, EPSON LFP Remote Panel, Print Assistant
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Accessing the Printer Software

To access the printer software installed in your computer, follow the steps below.

Accessing the Page Setup dialog

To access the Page Setup dialog, click **Page Setup** on the File menu of your application.

Accessing the Print dialog

To access the Print dialog, click **Print** on the File menu of your application.

Accessing the Utility dialog

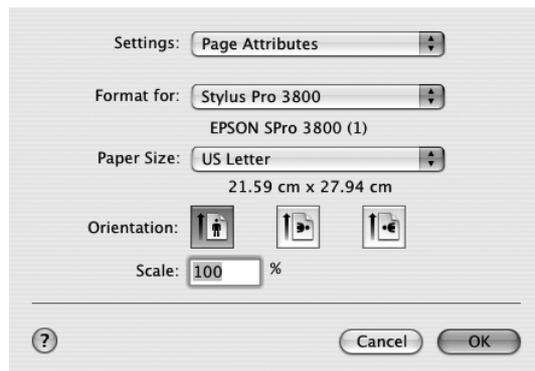
To access the Utility dialog, double-click the **EPSON Printer Utility2** icon in the **Applications** folder in **Macintosh HD** (default setting).

Page Setup Dialog Settings

You can make the appropriate Settings, Format for, Paper Size, Orientation, and Scale settings for printing.

Note:

The Page Setup dialog is a standard feature of Mac OS X. See your operating system's documentation for details.



Settings

You can select **Page Attributes**, **Custom Paper Size**, or **Summary**.

Page Attributes

Displays the page setup settings.

Custom Paper Size

Displays the paper size settings. You can set a custom paper size.

Summary

Displays the list of current setting items.

Format for

Select a desired printer.

Note:

Always match the Format for setting in the Page Setup dialog with the Printer setting in the Print dialog; otherwise, the data may not be printed correctly.

Paper Size

Select a paper size and a print area that you want to use.

The print area is listed when you click the arrow mark next to the Paper Size you have selected.

The following table lists the print areas you can select.

Printer	Description
Sheet Feeder	Prints on cut-sheet paper with 3-mm margins in four directions.
Manual-Rear	Prints on cut-sheet paper with 3-mm margins in four directions; paper is fed through the rear manual feed slot.
Manual-Front	Prints on cut-sheet paper with 3-mm left and right margins and 20-mm top and bottom margins; paper is fed through the front manual feed slot.
Sheet Feeder - Borderless (Auto Expand)	Prints data enlarged on cut-sheet paper without margins in four directions.
Sheet Feeder - Borderless (Retain Size)	Prints data on cut-sheet paper without margins in four directions, while retaining the ratio of the original size.
Manual-Rear - Borderless (Auto Expand)	Prints data enlarged on cut-sheet paper without margins in four directions; paper is fed through the rear manual feed slot.
Manual-Rear - Borderless (Retain Size)	Prints data on cut-sheet paper without margins in four directions, while retaining the ratio of the original size; paper is fed through the rear manual feed slot.

Orientation

Select a printing orientation.

Scale

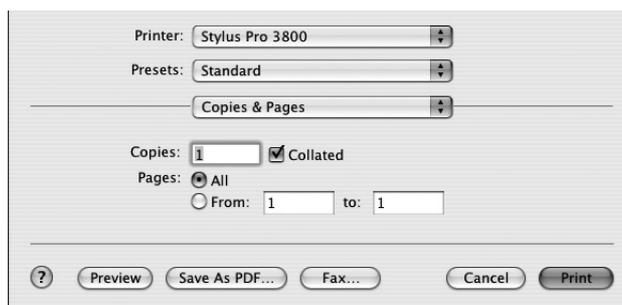
Input a scale to reduce or enlarge the size of your data.

Print Dialog Settings

You can make the appropriate Printer and Presets settings use for printing.

Note:

The Print dialog is the standard feature of Mac OS X. See your operating system's documentation for details.



Printer

Select a printer you want to use.

Note:

Always match the Format for setting in the Page Setup dialog with the Printer setting in the Print dialog; otherwise, data may not be printed correctly.

Presets

You can select **Standard** or **Save As**.

Standard

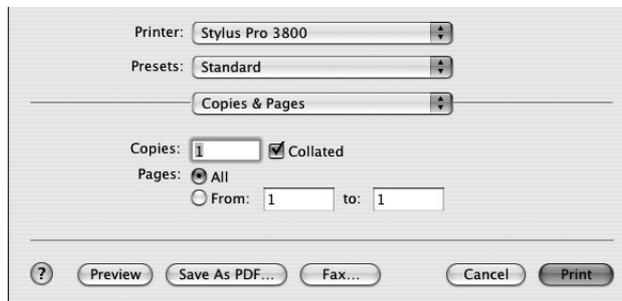
Prints with the current settings.

Save as

Prints with the custom saved settings.

Copies & Pages

You can make the appropriate Copies, Collated, Pages settings that you want to use for printing.



Copies

To make the Copies setting, enter the number of copies that you want to print in the Copies text box.

Collated

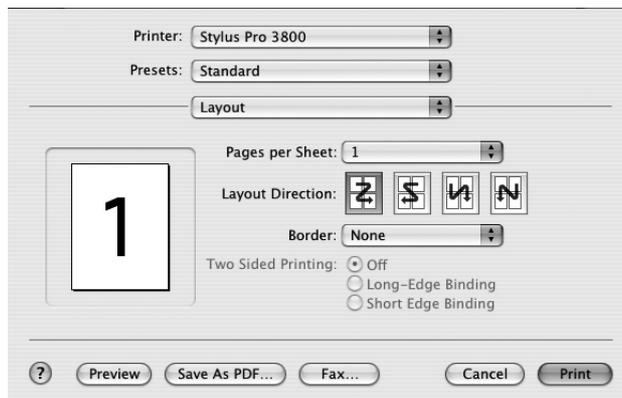
To make print order setting, select **Collated** to print one complete document set at a time when printing multiple copies.

Pages

To make the Pages setting, select either **All** or **From** and **to**. If you select **From** and **to**, enter the first page of the appropriate range of pages in the From text box and the last page in the to text box.

Layout

You can make the appropriate Pages per Sheet, Layout Direction, and Border settings that you want to use for printing.



Note:

Layout is the standard feature of Mac OS X. See your operating system's documentation for details.

Pages per Sheet

You can print multiple pages of your data on a single piece of paper. You can select from 1, 2, 4, 6, 9, or 16.

Layout Direction

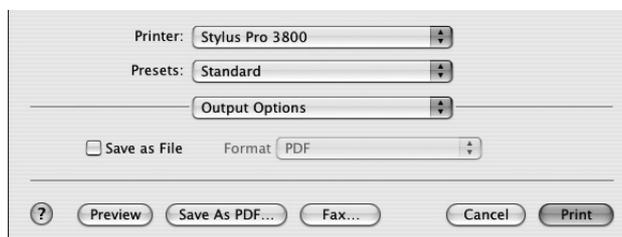
You can specify the order in which the pages will be printed on the sheet of paper.

Border

You can print a border around the pages printed on each sheet. You can select from **None**, **Single hairline**, **Single thin line**, **Double hairline**, or **Double thin line**.

Output Options

You can print your data as a file if you click the **Save as File** check box, and select its format from the Format pull-down menu.



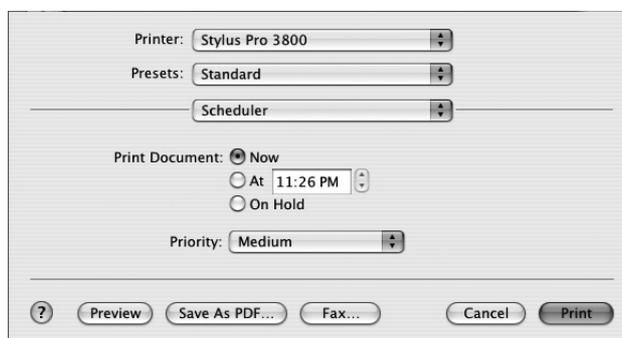
If you want to print your data on paper, clear the **Save as File** check box.

Note:

Output Options is the standard feature of Mac OS X. See your operating system's documentation for details.

Scheduler

You can make the appropriate Print Document (time) and Priority settings that you want to use for printing.

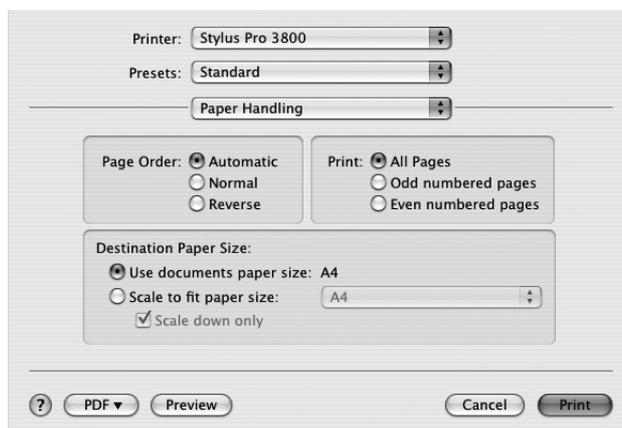


Note:

Scheduler is the standard feature of Mac OS X. See your operating system's documentation for details.

Paper Handling

You can make the appropriate Page Order, Print (pages), and Destination Paper Size settings that you want to use for printing.

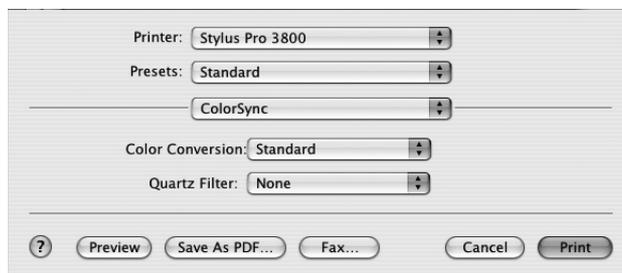


Note:

Paper Handling is the standard feature of Mac OS X. See your operating system's documentation for details.

ColorSync

You can make the appropriate Color Conversion and Quartz Filter settings that you want to use for printing.

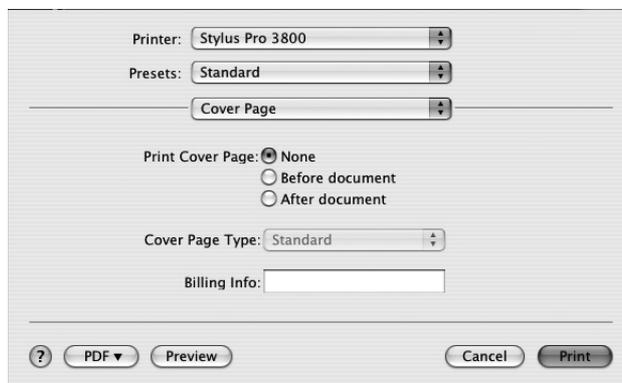


Note:

ColorSync is the standard feature of Mac OS X. See your operating system's documentation for details.

Cover Page

You can make the appropriate Print Cover Page, Cover Page Type, and Billing Info settings that you want to use for printing.

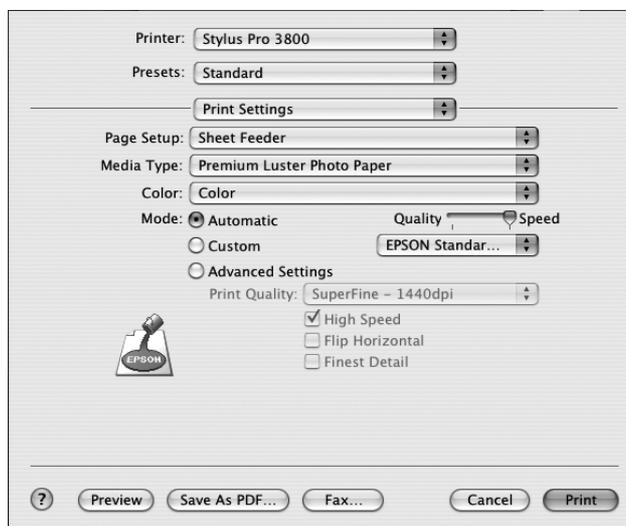


Note:

Cover Page is the standard feature of Mac OS X. See your operating system's documentation for details.

Print Settings

You can make the Page Setup, Media Type, Color, and Mode settings.



Page Setup

Shows the print area that has been chosen from the Paper Size list in the Page Setup dialog. Select the print area chosen from the Paper Size list in the Page Setup dialog.

If you have selected custom paper, the paper source pull-down menu appears. Select **Sheet Feeder** if you are using the Auto Sheet Feeder. Select **Manual-Front** or **Manual-Rear** if you are using the front or rear manual feed slot.

Media Type

The Media Type setting determines what other settings are available; therefore, always make this setting first.

From Media Type, select a media that matches the paper loaded in the printer. Find your paper in the list, and then select a corresponding Media Type setting. For some kinds of paper, several Media Type settings are available for selection.

Note:

- The black ink automatically changes depending on the media type you choose.
- The availability of special media varies by country.
- When you are using paper other than Epson special media, see “Notes on Epson Special Media and Other Media” on page 119.
- For the latest information on media available in your area, refer to the Epson customer Web site. See “Contacting Customer Support” on page 174.

Media Type setting list

Media Type Setting	Epson Special Media Name/Description
Premium Luster Photo Paper	Premium Luster Photo Paper
Premium Glossy Photo Paper	Premium Glossy Photo Paper
Premium Semigloss Photo Paper	Premium Semigloss Photo Paper
Proofing Paper Semimatte	EPSON Proofing Paper Semimatte (Commercial)
Plain Paper - Photo Black	-
Enhanced Matte Paper	Enhanced Matte Paper
Archival Matte Paper	Archival Matte Paper
Velvet Fine Art Paper	Velvet Fine Art Paper
UltraSmooth Fine Art Paper	UltraSmooth Fine Art Paper
Watercolor Paper - Radiant White	Watercolor Paper - Radiant White
Photo Quality Ink Jet Paper	Photo Quality Ink Jet Paper
Singleweight Matte Paper	Singleweight Matte Paper
Plain Paper - Matte Black	-
Singleweight Matte Paper (line drawing)	Singleweight Matte Paper

Color

Make the Color setting. Select **Color** to print color or monochrome photos, or **Black** to print a draft or black text only. If you want to print advanced monochrome photos, select **Advanced B&W Photo**.

Note:

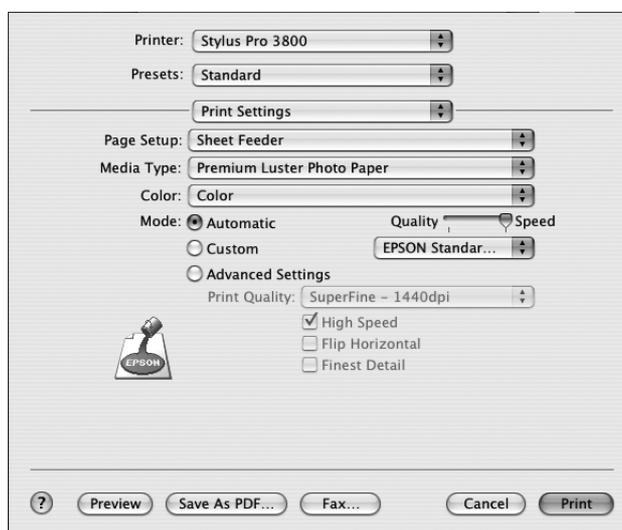
*When printing on any media, we recommend **Color** even if the data to print is black.*

Mode

You can select the Automatic, Custom, or Advanced Settings.

Automatic

Automatic is the quickest and easiest way to start printing. When **Automatic** is selected, the printer driver takes care of all detailed settings based on the current Media Type and Color settings.



Quality and Speed slider

Depending on the media you choose in the Media Type setting while **Color** or **Black** is selected as the Color setting and **Automatic** as the Mode setting, a Quality or Speed slider appears in the Mode box. Select **Quality** when print quality is more important than print speed. Select **Speed** when print speed is more important than print quality.

Color Control mode

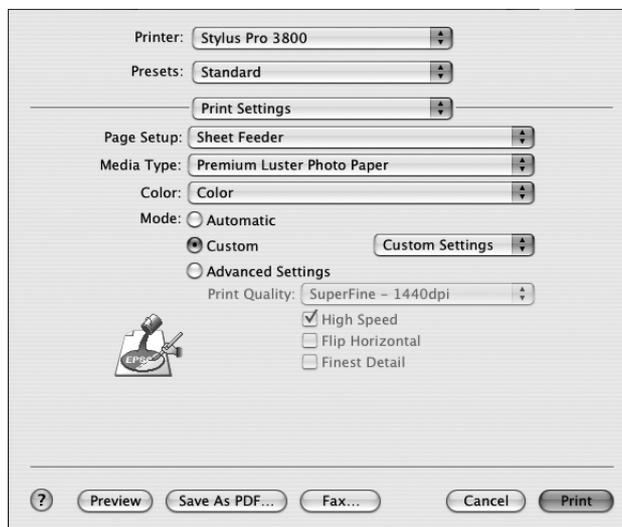
When **Color** is selected as the Color setting and **Automatic** as the Mode setting, the Color Control pull-down menu appears.

You can select from the following settings.

EPSON Vivid	Select this setting to produce vivid blue and green tones in printouts. Note: Because this setting reproduces blue and green tones that cannot be displayed by your monitor, your printouts may differ from the screen images when this function is selected.
Charts and Graphs	Intensifies the colors and lightens the midtones and highlights of an image. Use this setting for presentation graphics, such as charts and graphs.
EPSON Standard (sRGB)	Increases the contrast in images. Use this setting for color photographs.
Adobe RGB	Matches image color to Adobe RGB.

Custom

Custom lets you make a wide range of changes with a single click of the mouse. In the Custom Settings pull-down menu, you will find ready-made settings provided by Epson.



The Custom Settings pull-down menu includes the following ready-made settings.

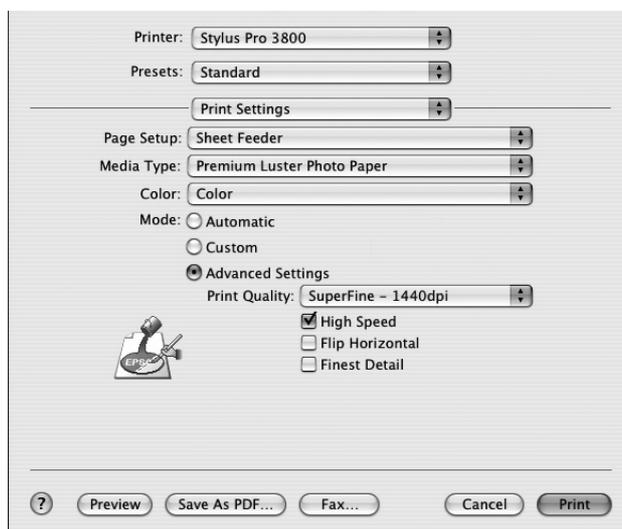
Note:

These ready-made settings may be dimmed, depending on the Media Type and Color settings.

<p>Advanced Photo 2880</p>	<p>Good for printing scanned photos and digitally captured images in high quality. Helps prevent misprinting of ink dots that may occur due to movement of the print heads and paper.</p>
<p>ColorSync</p>	<p>Automatically adjusts printout colors to match colors on your screen.</p>

Advanced Settings

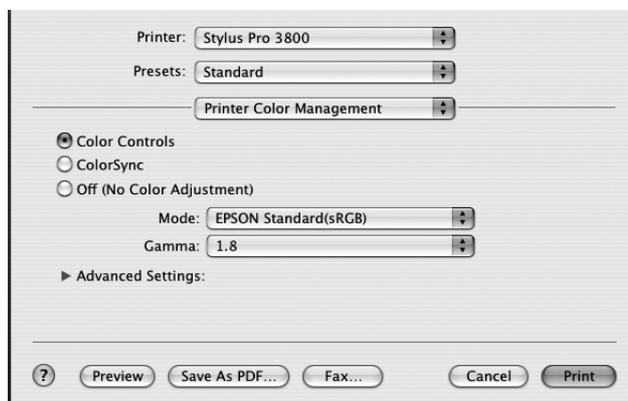
Advanced Setting gives you complete control over your printing environment. Use these settings to experiment with new printing ideas, or to fine-tune a range of print settings to meet your individual needs. Once you are satisfied with your new settings, you can give them a name and add them to the Custom Settings list.



Print Quality	Select the print quality that you want to use for printing.
High Speed	Activates bidirectional printing so your printer prints in both left-to-right and right-to-left directions. This setting speeds up printing, but decreases the print quality.
Flip Horizontal	Prints your data as it would appear in a mirror. Text and graphics appear reversed.
Finest Detail	Depending on the Print Quality setting you select, you can turn on Finest Detail to print text, solid graphics, and line art with very sharp edges.
Color Toning	When you select Advanced B&W Photo as the Color, the Color Toning pull-down menu appears. Neutral: This setting provides standard image correction for most photos. Try this first. Cool: This setting gives a cool tone to your photos. Warm: This setting gives a warm tone to your photos. Sepia: This setting applies a sepia tone to your photos. Fine Adjustment: This setting appears when you change the Tone, adjust the settings using the slide bars or the color circle, or select the Highlight Point Shift check box.

Printer Color Management

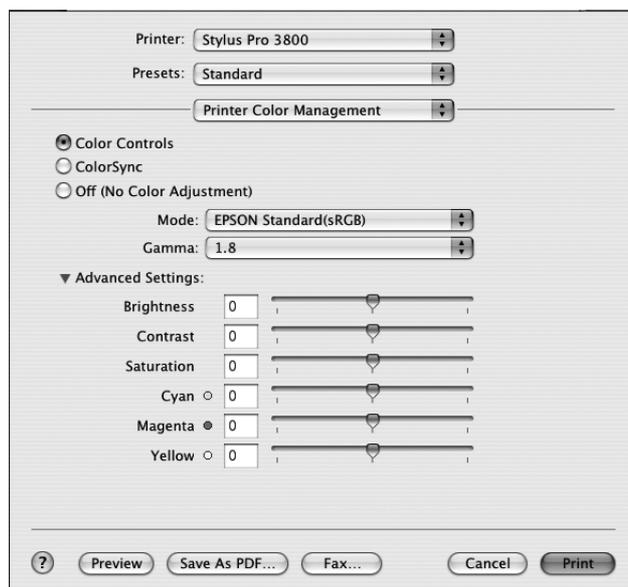
This option gives you control over the color matching and adjustment methods provided by the printer driver.



Use these settings to experiment with new printing ideas or to fine-tune a range of printer settings to meet your individual needs. Once you are satisfied with your new settings, you can add them to the Custom Setting list in the Print dialog.

Color Controls

Select this setting to use the color matching and adjustment methods provided with the printer. Click the triangle next to the Advanced Settings to see details.



Mode

EPSON Vivid	Select this setting to enrich the blue and green tones in printouts. Note: Because this setting reproduces blue and green tones that cannot be displayed by your monitor, your printouts may differ from the screen images when this function is selected.
Charts and Graphs	Intensifies the colors and lightens the midtones and highlights of an image. Use this setting for presentation graphics, such as charts and graphs.
EPSON Standard (sRGB)	Increases the contrast in images. Use this setting for color photographs.
Adobe RGB	Matches image color to Adobe RGB.

Gamma

Controls image contrast by modifying the midtones and mid-level grays.

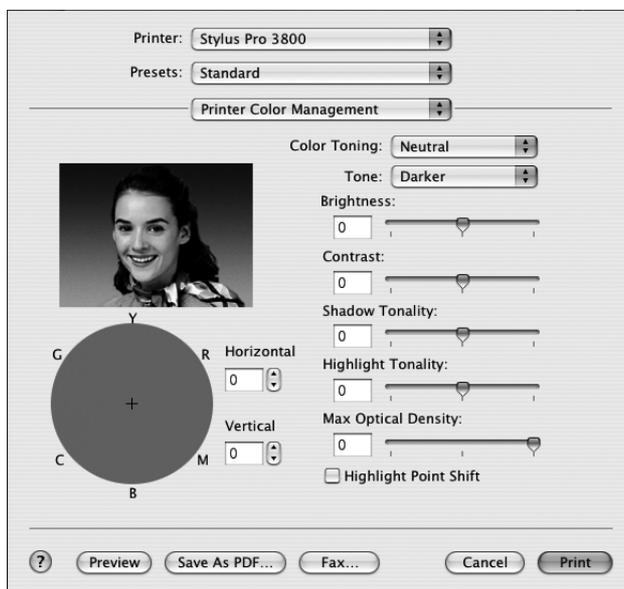
Advanced Settings

The color enhancement sliders adjust the indicated options in a range of -25% to +25%.

Drag the slider to the right or left with your mouse to adjust the settings. You can also type a value from -25% to +25% in the boxes next to the sliders.

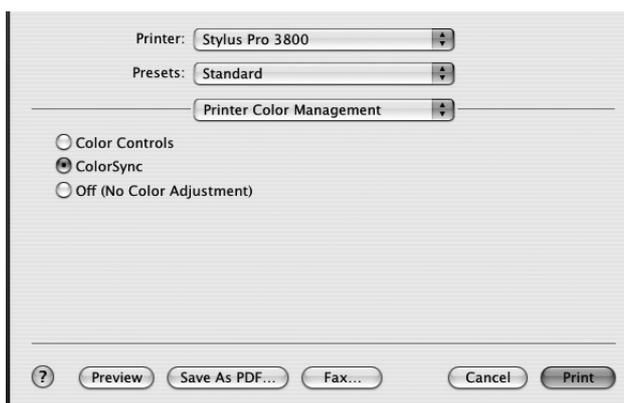
Color Controls (for Advanced B&W Photo)

When **Advanced B&W Photo** is selected as the Color, the following screen appears. You can adjust the advanced monochrome settings. For the details of additional settings, see the online help.



ColorSync

This setting automatically adjusts printout colors to match colors on your screen. Select this setting when printing scanned photographs or computer graphics. See “Color Management” on page 163 for detailed information on color management.

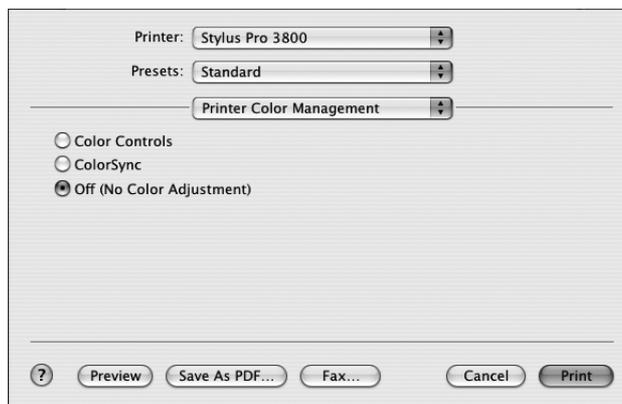


Note:

Be aware that the ambient light and the age, quality, and settings of the monitor can affect the quality of your color matching.

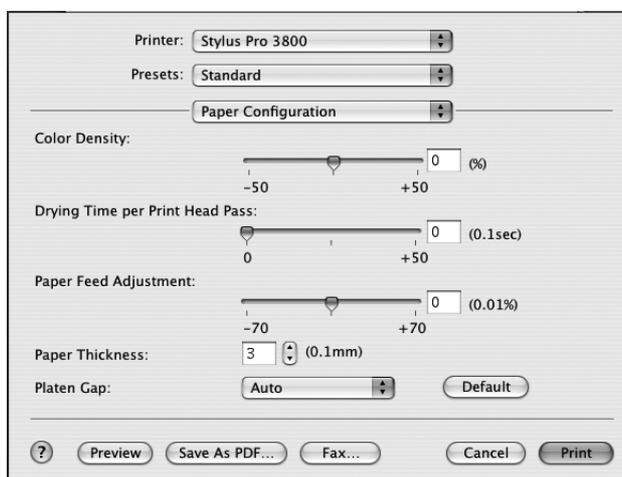
Off (No Color Adjustment)

This setting is generally not recommended, because it does not allow the printer driver to enhance or adjust the color in any way. Only use this setting when you create a new color profile or if the other Mode settings do not produce satisfactory results. See “Color Management” on page 163 for detailed information on color management.



Paper Configuration

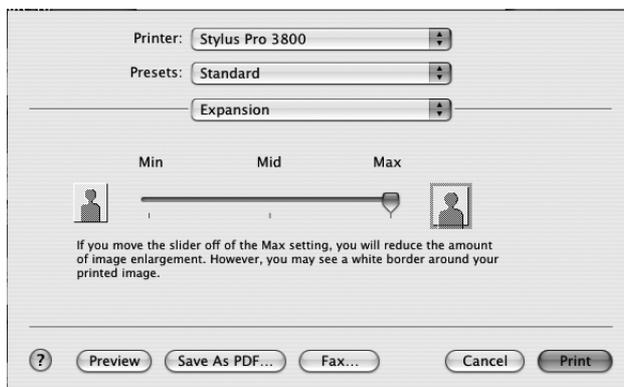
The following settings in Paper Configuration let you make the detailed paper settings. If you are using non-Epson special media, make these settings as needed.



Mode	Description
Color Density	<p>Adjusts the strength of Color Density. Use a value in the range of -50% to +50%. Drag the slider with your mouse to the right direction (+) to deepen the color of your printout or left direction (-) to lighten its color. You can also type a number (-50 to +50) in the box next to the slider.</p> <p>Use this function when you print on paper other than Epson special media.</p> <p>Set the scroll bar to the 0 position when you print on Epson special media.</p> <p>Note: Deepening of the color of printout may not be possible, depending on the printing mode.</p>
Drying Time per Print Head Pass	<p>Adds a waiting time when the print head reaches the end of every pass. Set this value using the slider or text box. To improve the print quality by using slow ink absorption on the media, set a higher value.</p> <p>The drying time per print head pass can be set from 0 to 5 seconds, in 0.1 second increments.</p> <p>Note: If you use this feature, the printing time will be longer.</p>
Paper Feed Adjustment	<p>Controls the paper feeding value, in 0.01% increments. If the paper feeding value is too large, white horizontal micro banding may appear. If the paper feeding value is too small, dark horizontal micro banding may appear.</p>
Paper Thickness	<p>This value automatically appears according to the media for the Media Type setting. If you use non-Epson media, modify this value for your media is recommended. Refer to the paper specifications, or print "Thickness Pattern" to find out the paper thickness.</p>
Platen Gap	<p>Platen Gap is the height from the media loaded in the printer to the print head. By adjusting this parameter, you may produce better print quality. This is set automatically according to the Paper Thickness setting specified.</p> <p>Note: Setting Platen Gap to Narrow may produce better print quality, but make sure the media does not wrinkle or touch the print head; otherwise, printed data or the print head surface may be damaged. Use Wider or Wide in such case.</p>
Default button	<p>Click this button to return the settings to their factory default values.</p>

Expansion

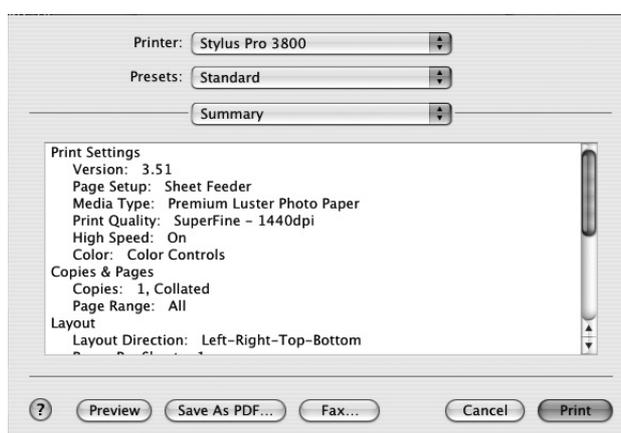
You can print your data without margins on paper. This menu is available when you select the paper size with **Sheet Feeder - Borderless (Auto Expand)** or **Manual-Rear - Borderless (Auto Expand)** as the Paper Size in the Page Setup dialog.



<p>Amount of Enlargement</p>	<p>Using the slider, you can control the amount of the image that extends beyond the edges of paper during borderless printing.</p> <p>For most print jobs, Max is recommended to eliminate margins on all sides of paper.</p> <p>Moving the slider towards Min decreases the amount of the image enlargement; however, as this amount decreases, margins may appear on one or more sides of paper.</p>
-------------------------------------	---

Summary

You can confirm the current settings in the Print dialog.

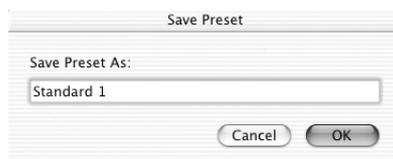


Note:
The Summary option is a standard feature of Mac OS X.

Saving your settings in the Print dialog

To save your settings in the Print dialog, follow the steps below.

1. Select **Save as** from the Presets.
2. Enter the name of the custom setting in the Save Preset As.



3. Make sure that the name you entered in step 2 is saved in the Presets pull-down menu.

Using your saved settings in the Print dialog

To use your saved settings, select the name of your custom setting from the Presets pull-down menu.

If you change the Media Type or Color settings while your customized setting is selected in the Saved Settings list, your saved setting is not affected by the change. To return to your saved setting, simply reselect it in the list.

Preview

You can see how your data will look before actually printing it.

Note:

Preview is a standard feature of Mac OS X.

To preview your data, follow the steps below.

1. Make your printer driver settings.
2. Click **Preview** in the Print dialog. The Preview dialog appears and displays a preview of your data.

Performing Borderless Printing

When selecting the paper size with **Sheet Feeder - Borderless (Auto Expand)**, **Sheet Feeder - Borderless (Retain Size)**, **Manual-Rear - Borderless (Auto Expand)**, or **Manual-Rear - Borderless (Retain Size)** as the Paper Size in the Page Setup dialog, Epson recommends the following media conditions.

Accommodate media width:

- Letter (8.5 × 11 in)
- US B (11 × 17 in)
- US C (17 × 22 in)
- A4 (210 × 297 mm)
- A3 (297 × 420 mm)
- Super A3 (329 × 483 mm)
- A2 (420 × 594 mm)
- 89 × 127 mm (3.5 × 5 in)
- 102 × 152 mm (4 × 6 in)
- 127 × 178 mm (5 × 7 in)
- 16:9 wide size (102 × 181 mm)
- 203 × 254 mm (8 × 10 in)
- 254 × 305 mm (10 × 12 in)
- 279 × 356 mm (11 × 14 in)
- 406 × 508 mm (16 × 20 in)

Note:

- If your application has margin settings, make sure they are set to zero before printing.*
- The ink may contaminate the platen of the printer. In this case, wipe the ink away using a cloth.*
- Printing with this feature takes longer time than normal printing.*
- Smear may result in the top and bottom areas depending on the media.*
- Borderless printing is not supported when the PAPER SIZE CHECK setting is off. Make sure that ON is selected for PAPER SIZE CHECK on the printer's control panel.*

To perform borderless printing, follow the steps below.

Note:

Always match the Format for setting in the Page Setup dialog with the Printer setting in the Print dialog; otherwise, data may not be printed correctly.

1. Select the paper size with **Sheet Feeder - Borderless (Auto Expand)**, **Sheet Feeder - Borderless (Retain Size)**, **Manual-Rear - Borderless (Auto Expand)**, or **Manual-Rear - Borderless (Retain Size)** as the Paper Size in the Page Setup dialog.
2. Click **OK**.
3. Start printing your data from your application.

Canceling Printing

To cancel printing, follow the steps below.

1. Open the Print Center (for Mac OS X 10.2.x) or Printer Setup Utility (for Mac OS X 10.3 or later).
2. Turn off the printer.
3. In the Document Name list, select the data which is printing and click the **Delete** button to cancel printing.

Printer Utility Dialog

Accessing the EPSON Printer Utility2

To access the EPSON Printer Utility2, follow the steps below.

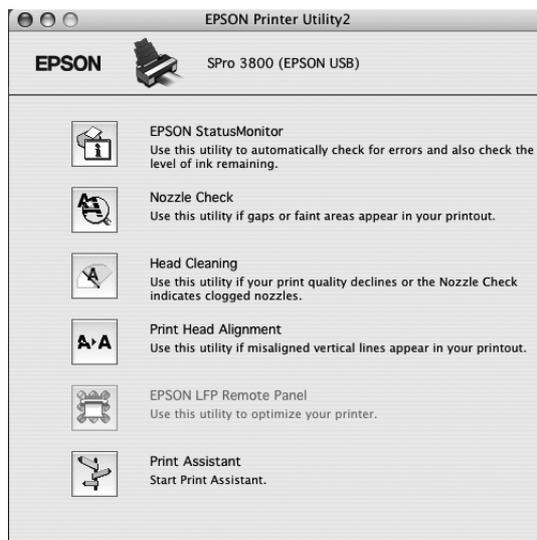
1. Double-click **Macintosh HD** (default setting).
2. Double-click the **Applications** folder.
3. Double-click the **EPSON Printer Utility2** icon.

Mac OS X 10.2 or later users can also access the EPSON Printer Utility2 dialog in the following way.

1. Double-click **Macintosh HD** (default setting).
2. Double-click the **Applications** folder.
3. Double-click the **Utilities** folder.
4. Double-click the **Print Center** icon (for Mac OS X 10.2.x) or **Printer Setup Utility** (for Mac OS X 10.3 or later).
5. Select the printer you want to use to access its EPSON Printer Utility2.
6. Click the **Configure** button (for Mac OS X 10.2.x) or the **Utility** button (for Mac OS X 10.3 or later) in the Printer List dialog.

Using the Printer Utilities

The EPSON printer utilities let you check the current printer status and perform printer maintenance from your computer. You can also access the *User's Guide*, the paper information, and the Technical Support Web Site by clicking the **Print Assistant** button.

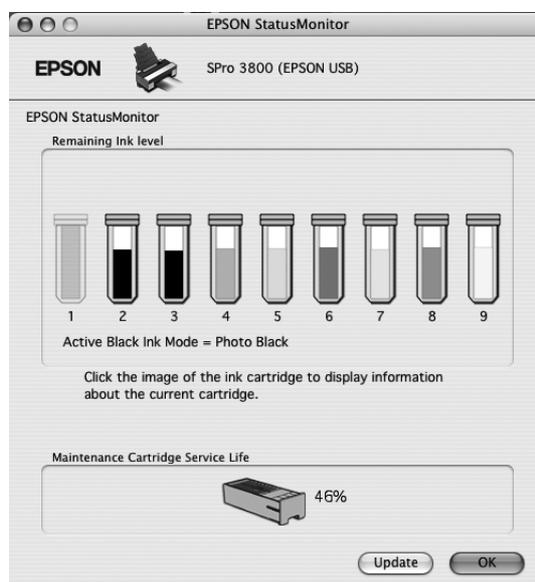


Note:

- Do not use the *Nozzle Check*, *Head Cleaning*, or *Print Head Alignment* utilities if your printer is connected to your computer through a network.
- Do not use the *Nozzle Check*, *Head Cleaning*, or *Print Head Alignment* utilities while printing is in progress; otherwise, your printout may be marred.

EPSON StatusMonitor

This utility provides you with printer status information, such as the ink cartridge status.



Nozzle Check

This utility checks the print head nozzles for clogging. Check the nozzles when you notice the print quality has declined and after cleaning to confirm that the print head nozzles have been cleared. See “Checking the print head nozzles” on page 91.

If you click **Auto** in the Nozzle Check dialog, or select **AUTO** for **NOZZLE CHECK** from the control panel on the printer, this utility not only checks the clogging nozzles, but also performs head cleaning automatically.

Head Cleaning

This utility cleans the print head. You may need to clean the print head if you notice the print quality has declined. Use this utility to perform head cleaning. See “Cleaning the print head” on page 92.

Print Head Alignment

This utility can be used to improve the print quality of your printed data. The alignment of the print head may need to be adjusted if vertical lines appear out of alignment or if white or black banding noise appear in your printed data. Use this utility to realign the print head. See “Aligning the print head” on page 93.

EPSON LFP Remote Panel

This utility lets you optimize your printer. See “Starting EPSON LFP Remote Panel” on page 93.

Print Assistant

You can also access the *User's Guide*, the media information, and Technical Support Web Site by clicking the **Print Assistant** button. See “Using the Print Assistant function” on page 93.

Checking the print head nozzles

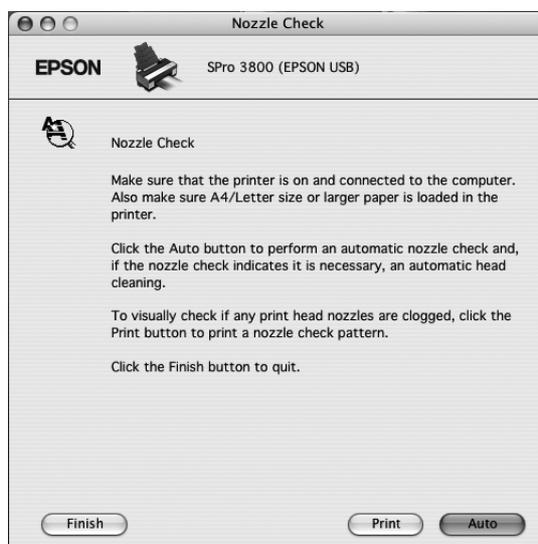
If you find that the printed data is unexpectedly faint or dots in the printed data are missing, you may be able to identify the problem by checking the print head nozzles by using the Nozzle Check utility.

To use the Nozzle Check utility, follow the steps below.

Note:

Do not start the Nozzle Check utility while printing is in progress; otherwise, your printout may be marred.

1. Make sure that several sheets of A4/Letter size or larger paper are loaded in the printer.
2. Click **Nozzle Check**.
3. Click **Print** if you want to visually check to see if any print head nozzles are clogged. Click **Auto** if you want to perform an automatic nozzle check, and if the nozzle check indicates it is necessary, perform an automatic head cleaning.



4. Follow the on-screen instructions to print a nozzle check pattern.
5. If you find missing dots, clean the print head nozzles, referring "Cleaning the print head" on page 92.

Cleaning the print head

If you find that the printed data is unexpectedly faint or dots in the printed data are missing, you may be able to solve these problems by using the Head Cleaning utility to clean the print head, which ensures that the nozzles are delivering ink properly.

To use the Head Cleaning utility, follow the steps below.

Note:

- Do not start the Head Cleaning utility while printing is in progress; otherwise, your printout may be marred.*
- To save ink, use the Nozzle Check utility first to confirm that the print head needs to be cleaned. This is because the cleaning process consumes some ink.*
- When the ink status light is flashing or on, you cannot clean the print head. Replace the appropriate ink cartridge first. See "Replacing Ink Cartridges" on page 133.*

1. Make sure the printer is turned on and the ink status light is off.
2. Click **Head Cleaning**.
3. Follow the on-screen instructions.
4. Click **Confirmation** in the Head Cleaning dialog to confirm that the head is cleaned and to reset the cleaning cycle.

If you still find missing dots after cleaning, try these solutions.

- Select **POWER CLEANING** from the control panel on the printer. See "POWER CLEANING" on page 107.
- Repeat this procedure four or five times, turn the printer off and leave it alone overnight, and then try head cleaning again.
- Replace some of ink cartridges as they may be old or damaged.

If the print quality remains a problem after you have tried these solutions, contact your dealer. See "Contacting Customer Support" on page 174.

Aligning the print head

If you find misaligned lines or black or white banding on the printed data, you may be able to solve these problems by using the Print Head Alignment utility to align the print head.

To use the Print Head Alignment utility, follow the steps below.

1. Make sure that the printer is on and EPSON special sheet of A4/Letter size or larger paper is loaded in the printer.
2. Click **Print Head Alignment**.
3. Follow the on-screen instructions to align the print heads.

Starting EPSON LFP Remote Panel

You can optimize your printer by using this utility. To start EPSON LFP Remote Panel, see the steps below.

1. Make sure the printer is turned on.
2. Click **EPSON LFP Remote Panel**.
3. See the EPSON LFP Remote Panel online help for details.

Using the Print Assistant function

You can access the following information by clicking the **Print Assistant** button:

- User's Guide* (Troubleshooting page)
- Color Management
- Paper information that is most suitable for the printing
- Technical Support Web Site
- Contacting Customer Support

Getting Information Through Online Help

Your printer software has extensive online help, which provides you with instructions on printing, making printer driver settings, and using the printer utilities.

To access the online help, follow the steps below.

1. Click **Print** on the File menu of your application.
2. Select the dialog which you want to see its online help.
3. Click the **Help** button.

Uninstalling the Printer Software

To uninstall the printer driver, follow the steps below.

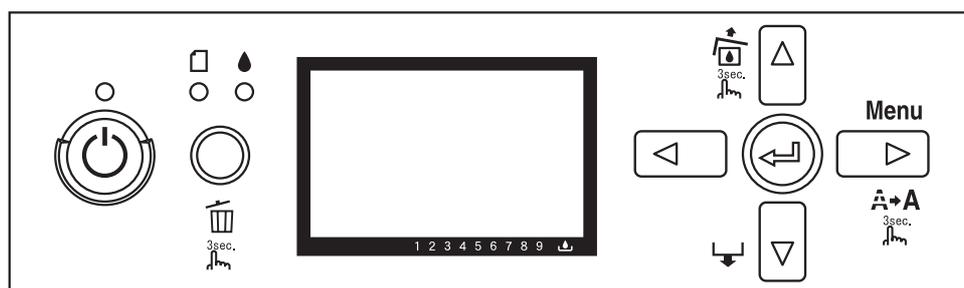
1. Turn on your computer and insert the printer software CD-ROM into the CD-ROM drive. The Epson printer software disk opens automatically.
2. Open the **Mac OS X Software** folder.
3. Double-click the **Printer Driver** folder.
4. Double-click the **EPSON_IJ_Printer** icon.
5. If the Authenticate dialog appears, enter the password or phrase and then click **OK**.
6. Click **Continue**.
7. Select **Uninstall** from the pull-down menu at the top left, and click the **Uninstall** button at the bottom right.

Chapter 3

The Control Panel

Buttons, Lights, and Messages

The control panel of the printer consists of 7 buttons, 3 lights, and a liquid crystal display (LCD).



Buttons

This section describes the functions of the buttons on the control panel.

Button		Description
1	Power button	Turns the printer on or off.
2	Cancel/Reset button	Release the ink cover lock when an ink error has occurred. Clears print data in the printer memory if pressed and held for 3 seconds. The printer returns to the READY status when this button is pressed in Menu mode.
3	Back/Left button	Returns to the previous level when pressed in Menu mode.
4	Ink Cover Open/Up button	Release the ink cover lock if pressed and held for 3 seconds. Changes the parameter in the reverse order when selecting a desired parameter in Menu mode.
5	Paper Feed/Down button	Feeds the paper in forward direction. When the paper is set, Auto Sheet Feeder and Manual-Front loads the paper to the printing position automatically, and Manual-Rear back feeds the paper. Loads a sheet from the paper source to the printing position automatically. Changes the parameters in forward order when selecting a desired parameter in Menu mode.

6	Menu/Right button ►	Enters Menu mode when pressed in the READY state. When pressed in Menu mode, a desired menu can be selected. Enters PRINTER STATUS menu if pressed during printing. Cleans the print head if pressed and held for 3 seconds.
7	Enter button ↵	Sets the selected parameter in the selected item in Menu mode. Executes the item if the selected item is for execution only.

Lights

This section describes the functions of the lights on the control panel.

The lights let you know the status of the printer and the type of an error when it occurs.

Light		Description
8	Power light (green)	On: The printer is in the READY status. Flashing: The printer is printing. The printer is cleaning the print head. The printer is drying ink on the printed paper. Off: The printer is off.
9	Paper status light (red)  	On: No paper is loaded in the paper source. The loaded paper is too thick for head cleaning. Flashing: Paper is jammed. Paper is not loaded straight. Paper is not detected. Cut sheet is not ejected correctly.
10	Ink status light (red)  	On: The installed ink cartridge is expended. The installed ink cartridges cannot be used with this printer. The maintenance cartridge is full. Flashing: The installed ink cartridge is nearly expended. The maintenance cartridge is nearly full.

Note:

When a service call error occurs, all the lights are flashing.

Combination of buttons

This section describes the functions available when several buttons are pressed at the same time.

Buttons	Function
1. Power button  2. Cancel/Reset button 	If the printer is turned on while you are pressing and holding the Cancel/Reset  button, the printer enters Maintenance mode.

Messages

This section describes the meaning of messages displayed on the LCD panel.

The messages are either status messages or error messages. For error messages, see “An error has occurred” on page 146.

Message	Description
READY	The printer is ready to print data.
PRINTING	The printer is processing data.
INK DRYING	The printer is drying ink.
PLEASE WAIT	Wait until READY appears.
CHARGING INK	The printer is charging the ink delivery system.
RESETTING	The printer is being reset.
UPDATING FIRMWARE	The printer is updating the FirmWare.
FIRMWARE UPDATE COMPLETE	The printer has completed update of the FirmWare.
CLEANING	The printer is cleaning the ink tubes.
BLACK INK CHANGING	The printer is changing the black ink, either Photo Black to Matte Black or Matte Black to Photo Black.
RELEASING THE INK COVER LOCK	The printer is releasing the ink cover lock.

Icons

This section describes the meaning of icons displayed on the LCD panel.

Paper type icon

Icons	Description
	Sheet

Platen Gap icon

Icons	Description
	Widest
	Wider
	Wide
	Narrow

Ink cartridge status icon

Displays the ink cartridge status.

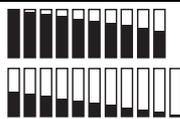
Icons	Description
	Ink cartridge status, 100 - 1%
	Ink expended
	Cartridge error or no cartridge

Note:

- The ink icon with the abbreviation of the ink color flashes when the ink gets low.
- The ink icon with the abbreviation of the ink color stays on when the ink is expended.
- The Photo Black or Matte Black that is not selected appears as the dotted icon.

Remaining maintenance cartridge icon

Displays the free capacity of the maintenance cartridge.

Icons	Description
	Free capacity of the maintenance cartridge, 100 - 1%
	Maintenance cartridge full
	Maintenance cartridge error or no maintenance cartridge

Note:

The maintenance cartridge icon flashes when the maintenance cartridge gets nearly full.

Menu Settings

When to use Menu mode

The Menu mode enables you to make printer settings similar to those you would normally make in the driver or software, as well as other additional settings — directly through the control panel.

Note:

- Some applications may send commands to the printer that override the Menu settings. If you are not getting the results you expect, check your application's settings.
- To see the current Menu settings, print a status sheet.

Menu list

Menu	Item	Parameter
"PRINTER SETUP" on page 103	"PLATEN GAP" on page 103	NARROW, STANDARD, WIDE, WIDER, WIDEST
	"PAPER SIZE CHECK" on page 103	ON, OFF
	"INITIALIZE SETTINGS" on page 104	EXECUTE

"TEST PRINT" on page 104	"NOZZLE CHECK" on page 104	MANUAL, AUTO
	"STATUS SHEET" on page 104	PRINT
	"NETWORK STATUS SHEET" on page 104	PRINT
	"JOB INFORMATION" on page 104	PRINT
	"CUSTOM PAPER" on page 104	PRINT
"PRINTER STATUS" on page 105	"VERSION" on page 105	xxxxxx-xx xx ICBS
	"PRINTABLE PAGES" on page 105	MATTE BLACK nnnnnnn PAGES
		PHOTO BLACK nnnnnnn PAGES
		LIGHT BLACK nnnnnnn PAGES
		LIGHT LIGHT BLACK nnnnnnn PAGES
		CYAN nnnnnnn PAGES
		MAGENTA nnnnnnn PAGES
		LIGHT CYAN nnnnnnn PAGES
		LIGHT MAGENTA nnnnnnn PAGES
		YELLOW nnnnnnn PAGES
	"INK LEVEL" on page 105	MATTE BLACK nn%
		PHOTO BLACK nn%
		LIGHT BLACK nn%
		LIGHT LIGHT BLACK nn%
		CYAN nn%
		MAGENTA nn%
		LIGHT CYAN nn%
LIGHT MAGENTA nn%		
YELLOW nn%		
"MAINTENANCE TANK" on page 105	MAINTENANCE TANK nn%	
"USAGE COUNT" on page 105	INK xxxxx.xml	
"CLEAR USAGE COUNT" on page 105	EXECUTE	

	"JOB HISTORY" on page 105	No. 0-No. 9
	"TOTAL PRINTS" on page 105	nnnnnn PAGES
"CUSTOM PAPER" on page 106	"PAPER NUMBER" on page 106	STANDARD, PAPER NO.1-10
	"PAPER TYPE" on page 106	MATTE THICK, MATTE THIN, PHOTO PLAIN, FINE ART PAPER, REMOTE PANEL PAPER
	"PLATEN GAP" on page 106	NARROW, STANDARD, WIDE, WIDER
	"THICKNESS PATTERN" on page 106	PRINT
	"THICKNESS NUMBER" on page 107	1 - 15
	"PAPER FEED ADJUST A" on page 107	-0.70% - 0.70%
	"PAPER FEED ADJUST B" on page 107	-0.70% - 0.70%
	"DRYING TIME" on page 107	0.0 SEC- 10.0 SEC
"MAINTENANCE" on page 107	"BLACK INK CHANGE" on page 107	EXECUTE
	"POWER CLEANING" on page 107	EXECUTE
	"CLOCK SETTING" on page 107	YY/MM/DD HH:MM MM/DD/YY HH:MM
	"CONTRAST ADJUSTMENT" on page 107	-20 - 0 - +20
"HEAD ALIGNMENT" on page 108	"AUTO" on page 108	PREM. GLOSSY/LUSTER PQ INK JET PAPER ENHANCED MATTE PAPER
	"MANUAL" on page 108	0.1 - 0.5 mm

"NETWORK SETUP" on page 108	"NETWORK SETUP" on page 108	DISABLE, ENABLE
	"IP ADDRESS SETTING" on page 108	AUTO, PANEL, PING
	"IP, SM, DG SETTING" on page 108	IP ADDRESS 000.000.000.000 - 192.168.192.168 - 255.255.255.255 SUBNET MASK 000.000.000.000 - 255.255.255.000 - 255.255.255.255 DEFAULT GATEWAY 000.000.000.000 - 255.255.255.255
	"APPLE TALK" on page 109	ON, OFF
	"MS NETWORK" on page 109	ON, OFF
	"BONJOUR" on page 109	ON, OFF
	"INIT NETWORK SETTING" on page 109	EXECUTE

Basic Menu setting procedure

This section describes how to enter Menu mode and make settings with the buttons on the control panel.

Note:

- ❑ Press the **Cancel/Reset**  button whenever you want to exit Menu mode and return to the READY status.
- ❑ Press the **Back/Left**  button to return to the previous step.

1. Enter Menu mode

Make sure that READY appears on the LCD panel, and then press the **Menu/Right**  button. The first menu appears on the LCD panel.

2. Select a menu

Press the **Paper Feed/Down**  or **Ink Cover Open/Up**  button to select a desired menu.

3. Set the menu

Press the **Menu/Right**  button to set the selected menu. The first item appears on the LCD panel.

4. Select an item

Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select a desired item.

5. Set the item

Press the **Menu/Right ►** button to enter the selected item. The first parameter appears on the LCD panel.

6. Select a parameter

Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select a parameter for the item.

7. Set the parameter

Press the **Enter ↵** button to store the selected parameter. If the parameter is for execution only, press the **Enter ↵** button to execute the function for the item.

After execution, the printer exits Menu mode and returns to the **READY** status.

8. Exit Menu mode

Press the **Cancel/Reset**  button. The printer returns to the **READY** status.

Details of Menu mode

PRINTER SETUP

This menu contains the following items.

PLATEN GAP

You can adjust the distance between the print head and paper. Normally, leave this set to **STANDARD**. If you find that printed images are smeared, select **WIDE** or **WIDER**. Select **NARROW** for printing on thin paper, or **WIDEST** for printing on thick paper.

PAPER SIZE CHECK

When you select **ON**, the printer stops printing if the width of paper loaded in the printer does not match the data width. When you select **OFF**, the printer continues to print even if the paper width does not match the data width, and the printer may print beyond the paper.

Note:

- When you load the paper using the manual feed slot, select **ON**.
- When you perform borderless printing, select **ON**.

INITIALIZE SETTINGS

You can return all setting values you have made in the **PRINTER SETUP** to their factory set value.

TEST PRINT

This menu contains the following items.

NOZZLE CHECK

You can print a print head nozzle check pattern for each ink cartridge. From the printing results, you can check whether the nozzles are delivering ink properly. For details, see “Checking the print head nozzles” on page 109.

Note:

- ❑ *When you select **AUTO** and perform a nozzle check, the printer not only checks for clogged nozzles, but also performs head cleaning automatically.*
- ❑ *You can print a nozzle check pattern using the **Utility** menu in the printer software. For Windows, see “Checking the print head nozzles” on page 47. For Mac OS X, see “Checking the print head nozzles” on page 91.*

STATUS SHEET

You can print the current printer status. For details, see “Printing a status sheet” on page 116.

NETWORK STATUS SHEET

You can print the current network status.

JOB INFORMATION

You can print the job information saved in the printer (up to 10 jobs).

CUSTOM PAPER

You can print information that you have registered.

PRINTER STATUS

This menu contains the following items.

VERSION

You can see the firmware version.

PRINTABLE PAGES

You can see the number of pages printable for each ink cartridge.

INK LEVEL

You can see the status of each ink cartridge.

MAINTENANCE TANK

You can see the free capacity of the maintenance cartridge.

USAGE COUNT

You can see the ink consumption in milliliters.

Note:

Values shown in USAGE COUNT are rough indications.

CLEAR USAGE COUNT

You can clear the values set in USAGE COUNT.

JOB HISTORY

You can see ink consumption (INK) in milliliters and paper size (PAPER) for each print job saved in the printer. The latest job is saved as No. 0.

TOTAL PRINTS

You can see the total amount of pages you have printed.

CUSTOM PAPER

This menu contains the following items. To make the paper setting, see “Making the paper settings” on page 113.

PAPER NUMBER

When you select **STANDARD**, the printer determines paper thickness automatically. You can also select **No. X** (X can be any number between 1 to 10) to register the following settings or to recall the following settings you have made.

- Paper type
- Platen gap
- Thickness pattern
- Thickness number
- Paper feed adjustment
- Drying time

Note:

*If you select **STANDARD**, the printer prints data according to the driver settings. If you select **No. X**, the control panel settings override the driver settings.*

PAPER TYPE

You can select paper type from **MATTE THICK**, **MATTE THIN**, **PHOTO PLAIN**, **FINE ART PAPER**, or **REMOTE PANEL PAPER**. **REMOTE PANEL PAPER** appears only when the Custom Paper is registered from EPSON LFP Remote Panel.

PLATEN GAP

You can adjust the distance between the print head and paper. Normally, leave this set to **STANDARD**. If you find that printed images are smeared, select **WIDE**. Select **NARROW** for printing on thin paper, or **WIDER** for printing on thick paper.

Note:

*The setting will return to **STANDARD** after you turn the printer on and off.*

THICKNESS PATTERN

You can print the paper thickness detection pattern. If you select **STANDARD** in **PAPER NUMBER**, the pattern is not printed.

THICKNESS NUMBER

Check the paper thickness detection pattern, and then enter the number for the print pattern with the smallest gap.

PAPER FEED ADJUST A

You can set the paper feed amount of the printable area. The range is -0.70 to 0.70%. If the paper feed value is too large, white horizontal micro-banding may appear. If the paper feed value is too small, dark horizontal micro-banding may appear.

PAPER FEED ADJUST B

You can set the paper feed amount of the bottom area of the paper. The range is -0.70 to 0.70%. If the paper feed value is too large, white horizontal micro-banding may appear. If the paper feed value is too small, dark horizontal micro-banding may appear.

DRYING TIME

You can set the ink drying time for each print head pass. The range is 0 to 10 seconds.

MAINTENANCE

This menu contains the following items.

BLACK INK CHANGE

You can change the black ink according to your purpose. You can choose either Matte Black or Photo Black.

POWER CLEANING

You can use this function to clean the print head more effectively than normal head cleaning.

CLOCK SETTING

You can set year, month, date, hour, and minute.

CONTRAST ADJUSTMENT

You can adjust the contrast of the LCD panel.

HEAD ALIGNMENT

This menu contains the following items.

AUTO

You can correct any head misalignment automatically to obtain optimum printing results. If you use Epson special media, select **AUTO**, and then select the paper.

MANUAL

You can correct any head misalignment manually to obtain optimum printing results. If you use non-Epson special media, select **MANUAL**, and then select the paper thickness in the range of 0.1 to 0.4 mm. For details, see "Aligning the print head" on page 110.

NETWORK SETUP

This menu contains the following items. For detailed information about network settings, see the *Administrator's Guide*.

NETWORK SETUP

You can configure the network setting of the printer. The following items appear only when **ENABLE** is selected.

IP ADDRESS SETTING

You can select the method to set the IP address to the printer. When **AUTO** or **PING** is selected, **IP**, **SM**, **DG SETTING** is not displayed. Select **PANEL** to set these addresses using the printer's control panel.

Choose **PANEL** when setting the IP address, subnet mask, and default gateway using the printer's control panel.

Choose **AUTO** when getting the IP address from a DHCP server. The IP address is automatically obtained from the DHCP server whenever the printer is reset or turned on. Choose **PING** when setting the IP address using the arp/ping command. The network interface uses the IP address set by the arp/ping command. The settings become available when the printer is reset or turned off and then back on.

IP, SM, DG SETTING

You can set the IP address, Subnet Mask, and Default Gateway to the printer.

APPLE TALK

You can set the AppleTalk settings of the printer.

MS NETWORK

You can set the MS Network settings of the printer.

BONJOUR

You can set the Bonjour settings of the printer.

INIT NETWORK SETTING

You can return the network settings of the printer to the factory default value.

Checking the print head nozzles

To find out if nozzles are delivering ink properly, you can print a nozzle check pattern. If the nozzles are not delivering ink properly, missing dots will be evident in the print pattern. To print a nozzle check pattern, follow the steps below.

Note:

Before you start printing your data, make sure that nozzle check pattern printing is complete; otherwise, the print quality may decline.

1. Make sure that paper is loaded in the printer.
2. Press the **Menu/Right ►** button to enter Menu mode.
3. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display TEST PRINT, and then press the **Menu/Right ►** button.
4. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display NOZZLE CHECK, and then press the **Menu/Right ►** button.
5. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select AUTO or MANUAL.

Note:

When you select AUTO, the printer not only checks for clogged nozzles, but also performs head cleaning automatically. If you just want to print a nozzle check pattern to see whether nozzles are clogged, select MANUAL.

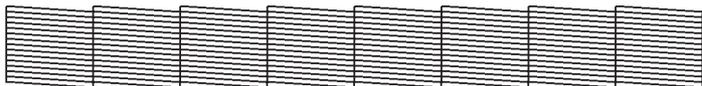
6. Press the **Menu/Right ►** button to display PRINT.

- Press the **Enter** ↵ button to start printing a nozzle check pattern.

After a nozzle check pattern is printed, the printer exits Menu mode and returns to the **READY** status.

Nozzle check pattern examples (Manual):

good



head cleaning necessary



If you find that any dots are missing from the test lines in the pattern, you need to clean the print heads. Press the **Menu/Right** ► button for more than 3 seconds or access the Head Cleaning utility software. For Windows, see “Cleaning the print head” on page 48. For Mac OS X, see “Cleaning the print head” on page 92.

Aligning the print head

To prevent deterioration of print quality caused by misalignment of the print head, align the print head before you start printing your data. You can align the print head either manually or automatically. Try the automatic print head alignment first. If the print head is still misaligned, try to perform the print head alignment manually.

Aligning the print head automatically

- Make sure that paper (Premium Glossy Photo Paper, Premium Luster Photo Paper, Photo Quality Ink Jet Paper, Enhanced Matte Paper, or Archival Matte Paper) is loaded in the printer.
- Press the **Menu/Right** ► button to enter Menu mode.
- Press the **Paper Feed/Down** ▼ or **Ink Cover Open/Up** ▲ button to display **HEAD ALIGNMENT**, and then press the **Menu/Right** ► button.

4. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select **AUTO**, and then press the **Menu/Right ►** button.
5. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select the paper type loaded in the printer from **PREM._GLOSSY/LUSTER**, **P_Q_INK_JET_PAPER**, or **ENHANCED_MATTE_PAPER**, and then press the **Menu/Right ►** button.

PREM._GLOSSY/LUSTER	Premium Glossy Photo Paper
	Premium Luster Photo Paper
P_Q_INK_JET_PAPER	Photo Quality Ink Jet Paper
ENHANCED_MATTE_PAPER	Enhanced Matte Paper
	Archival Matte Paper

6. Press the **Enter ↵** button to start printing. After printing is complete, the head alignment starts automatically.

After the head alignment is completed, the printer exits Menu mode and returns to the **READY** status.

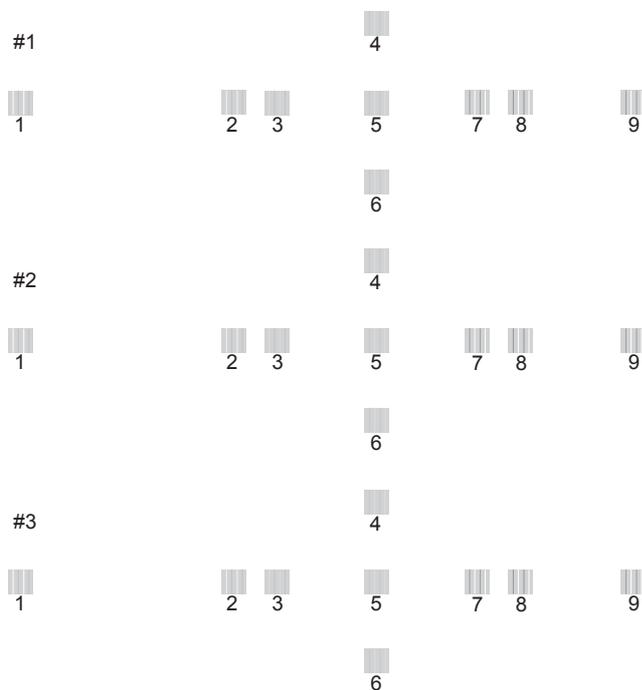
Aligning the print head manually

When you want to use the non-Epson special media, you can perform the head alignment manually. To perform head alignment manually, follow the steps below.

1. Press the **Menu/Right ►** button to enter Menu mode.
2. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display **HEAD ALIGNMENT**, and press the **Menu/Right ►** button.
3. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select **MANUAL**, and then press the **Menu/Right ►** button.
4. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select actual paper thickness value between 0.1 mm and 0.5 mm.
5. Press the **Menu/Right ►** button to register your value.

6. Press the **Enter** ↵ button, and the printer starts printing.

Head alignment pattern examples:



7. After printing is finished, the pattern number and current set number are displayed. Select the set that has the smallest gaps, and then press the **Paper Feed/Down** ▼ or **Ink Cover Open/Up** ▲ button to display the number for that set.
8. Press the **Enter** ↵ button to register the set number. The next pattern number appears. Then repeat step 7.

After you set the pattern, the printer exits Menu mode and returns to the **READY** status.

Making the paper settings

You can register and recall your own paper settings according to any media.

The paper settings you can make are:

- Paper type
- Platen gap
- Thickness pattern
- Thickness number
- Paper feed adjustment
- Drying time

Registering the settings

To register the paper settings, follow the steps below.

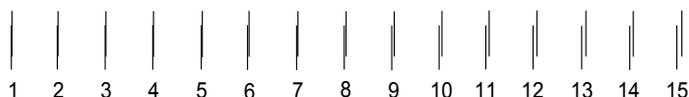
1. Load the paper that you want to check.
2. Press the **Menu/Right ►** button to enter Menu mode.
3. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display CUSTOM PAPER.
4. Press the **Menu/Right ►** button to display PAPER NUMBER.
5. Press the **Menu/Right ►** button, and then press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select STANDARD or the number (No. 1 to No. 10) you want to register as the setting.

If you use Epson special media, select STANDARD. You do not need to make the settings below because STANDARD automatically determines the paper thickness.

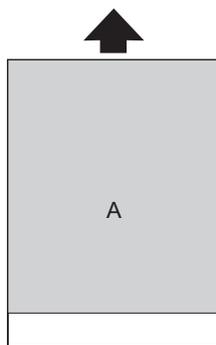
6. Press the **Enter ↵** button to register the paper number.
7. Select PAPER TYPE, and then press the **Menu/Right ►** button. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select MATTE THICK, MATTE THIN, PHOTO PLAIN, or FINE ART PAPER. Then press the **Enter ↵** button.
8. Press the **Back/Left ◀** button.

9. Select **PLATEN GAP**, and then press the **Menu/Right ►** button. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select **NARROW**, **STANDARD**, **WIDE**, or **WIDER**. Then press the **Enter ↵** button to save the selected platen gap setting.
10. Press the **Back/Left ◀** button.
11. Select **THICKNESS PATTERN**, and then press the **Menu/Right ►** button. Press the **Enter ↵** button to print the paper thickness test printing pattern.

Paper thickness test pattern example:



12. Examine the printed pattern to determine which set of lines are aligned (showing the smallest gap), and note the corresponding number.
13. After the pattern is printed, **THICKNESS NUMBER** appears. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select the number noted in step 12, and then press the **Enter ↵** button to save the selected value.
14. Press the **Back/Left ◀** button.
15. Select **PAPER FEED ADJUST A**, and then press the **Menu/Right ►** button. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to set the paper feed amount of the printable area (A area in the illustration below), and then press the **Enter ↵** button.



16. Press the **Back/Left ◀** button.

17. Select **PAPER FEED ADJUST B**, and then press the **Menu/Right ►** button. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to set the paper feed amount of the bottom area that is 2 or 3 cm from the bottom of the paper (B area in the illustration below), and then press the **Enter ↵** button.



18. Press the **Back/Left ◀** button.
19. Select **DRYING TIME**, and then press the **Menu/Right ►** button. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select the time in seconds, and then press the **Enter ↵** button to save the selected value.
20. After registering the paper settings, press the **Cancel/Reset ⌫** button to exit Menu mode.

Selecting the registered settings

To select the registered settings, follow the steps below.

1. Press the **Menu/Right ►** button to enter Menu mode.
2. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display **CUSTOM PAPER**, and then press the **Menu/Right ►** button.
3. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select the number registered that you want to use. If you select **STANDARD**, the printer prints data according to the driver settings. If you select **No. X**, the control panel settings override the driver settings.
4. Press the **Enter ↵** button. If you select **No. X**, the number you selected appears on the LCD panel.
5. Press the **Cancel/Reset ⌫** button to exit Menu mode.

Printing a status sheet

While in Menu mode, you can print a status sheet to see the current default values. To print a status sheet, follow the steps below.

1. Make sure that paper is loaded in the printer.
2. Press the **Menu/Right** ► button to enter Menu mode.
3. Press the **Paper Feed/Down** ▼ or **Ink Cover Open/Up** ▲ button to display TEST PRINT, and then press the **Menu/Right** ► button.
4. Press the **Paper Feed/Down** ▼ or **Ink Cover Open/Up** ▲ button to display STATUS SHEET, and then press the **Menu/Right** ► button.
5. Press the **Enter** ↵ button to start printing a status sheet.

After printing is finished, the printer exits Menu mode and returns to the READY status.

Maintenance Mode

Maintenance mode setting procedure

This section describes how to enter Maintenance mode and how to make settings with the buttons on the control panel.

To make the Maintenance mode settings, follow the steps below.

Note:

Press the **Back/Left** ◀ button to return to the previous step.

1. **Enter Maintenance mode**
Confirm the printer is turned off first. While pressing and holding the **Cancel/Reset** ❸ button, press the **Power** ⏻ button to turn on the printer.
2. **Select an item**
Press the **Paper Feed/Down** ▼ or **Ink Cover Open/Up** ▲ button to select a desired item.
3. **Set the item**
Press the **Menu/Right** ► button to enter the selected item. The first parameter is displayed on the LCD panel.

4. Select a parameter

Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select a parameter for the item.

5. Set the parameter

Press the **Enter ↵** button to store the selected parameter.

If the parameter is for execution only, press the **Enter ↵** button to execute the function for the item.

Note:

If second parameter is displayed on the LCD panel, repeat the steps 4 and 5 to select and set the second parameter.

6. Exit Maintenance mode

Press the **Power ⏻** button to turn off the printer, and turn it on again.

Maintenance mode list

Item	First parameters	Second parameters
"LANGUAGE" on page 117	ENGLISH, FRENCH, ITALIAN, GERMAN, SPANISH, PORTUGUE, DUTCH	-
"UNIT" on page 118	METRIC, FEET/INCH	-
"DEFAULT PANEL" on page 118	EXECUTE	-

Details of Maintenance mode items**LANGUAGE**

You can select the language to be displayed on the LCD panel.

To select a suitable language, follow the steps below.

1. In Maintenance mode, press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display LANGUAGE, and press the **Menu/Right ►** button.
2. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** to select a suitable language.
3. Press the **Enter ↵** button to set the language. Confirm that the READY (or similar word in the language selected) appears on the LCD panel.

Note:

It takes a while until READY (or similar word in the language selected) appears.

UNIT

You can select a unit of measurement to use to display length. To select a unit, follow the steps below.

1. In Maintenance mode, press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display **UNIT**, and press the **Menu/Right ►** button.
2. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select a suitable unit.
3. Press the **Enter ↵** button to set the unit.

DEFAULT PANEL

You can set all setting values you made in Menu mode to their factory set value.

Chapter 4

Paper Handling

Notes on Epson Special Media and Other Media

Although most types of coated paper provide good printing results, the print quality varies depending on the paper quality and the manufacturer. Test the print quality before purchasing a large amount of paper.

**Caution**

Keep fingers off the printable surface of the media, as fingerprints may reduce the print quality. Whenever possible, use gloves to handle media.

Using Epson special media

Epson provides special media that can enhance the usage and expressive power of the printing results. When using Epson special media, make sure the appropriate settings are made in the printer driver. See “Making Settings on the Main Menu” on page 14 for Windows, or “Page Setup” on page 75 for Mac OS X. For information on Epson special media, see “Epson Special Media” on page 191.

Note:

- Use Epson special media in a normal room environment (temperature and humidity) for best results.
- When using Epson special media, read the enclosed instruction sheets first.

Storing Epson special media

To keep the quality of Epson special media:

- Store unused media in the original plastic bag and outer package so as to avoid moisture problems.
- Avoid storing the media in places exposed to high temperature, humidity, or direct sunlight.

Using paper other than Epson special media

When you use paper other than Epson special media, or print using the RIP (Raster Images Processor), see the instructions included with the paper or RIP system, or contact your supplier for more information.

Using Cut Sheet Media

Checking the paper path

The paper path changes according to the media type you use. Always check the media type and its paper path.

Paper path list

Paper Path	Media Name
Auto Sheet Feeder	Premium Glossy Photo Paper
	Premium Semigloss Photo Paper
	Premium Luster Photo Paper
	Photo Quality Ink Jet Paper
	EPSON Proofing Paper Semimatte (Commercial)
	Archival (Enhanced) Matte Paper
	Singleweight Matte Paper
	Plain paper
Rear Manual Feed Slot	Watercolor Paper - Radiant White
	UltraSmooth Fine Art Paper
	Velvet Fine Art Paper

Loading cut-sheet media

You can load cut-sheet media into the Auto Sheet Feeder, front manual feed slot, or rear manual feed slot.

The front manual feed slot and rear manual feed slot can hold only one sheet at a time.

The Auto Sheet Feeder can hold up to 120 sheets of plain paper. Do not load paper above the arrow mark on the inside surface of the left edge guide.

For information on the loaded capacity of Epson special media in the Auto Sheet Feeder, see the following table.

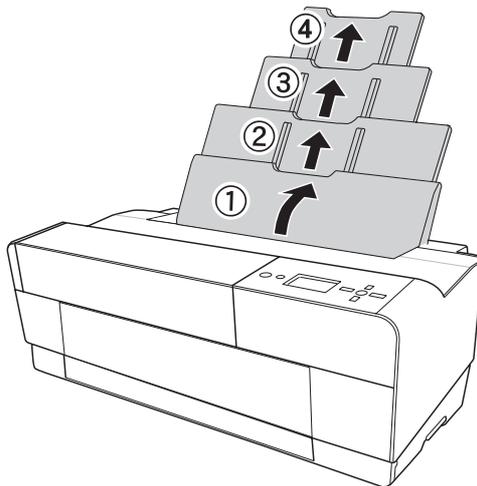
Epson special media	Size	Loadable capacity in the Auto Sheet Feeder
Premium Glossy Photo Paper	5 × 7 in	20
	102 × 148 mm	20
	8 × 10 in	20
	4 × 6 in	20
	11 × 14 in	10
	LTR	20
	A4	20
	A3	10
	Super A3/B	10
	A2	1
	US C	1
Premium Semigloss Photo Paper	4 × 6 in	20
	LTR	20
	A4	20
	A3	10
	Super A3/B	10
	A2	1
Premium Luster Photo Paper	LTR	20
	A3	10
	Super A3/B	10
	US C	1
Singleweight Matte Paper	Super A3/B	50
	A2	10
	US C	10
Photo Quality Ink Jet Paper	A4	60
	LTR	60
	LGL	50
	US B	50
EPSON Proofing Paper Semimatte (Commercial)	Super A3/B	1

Archival (Enhanced) Matte Paper	LTR	20
	A4	20
	A3	10
	Super A3/B	10
	A2	1
	US C	1

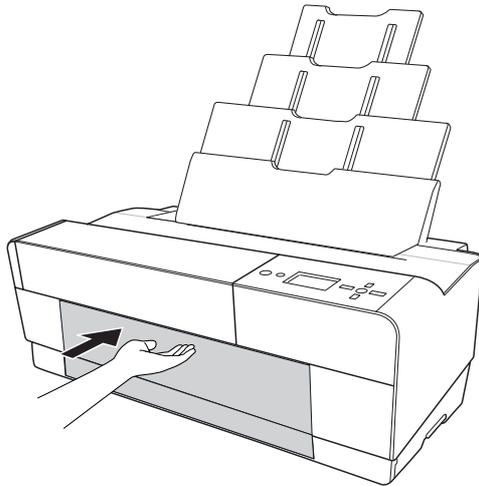
Loading paper from the Auto Sheet Feeder

Follow the steps below to load the paper from the Auto Sheet Feeder.

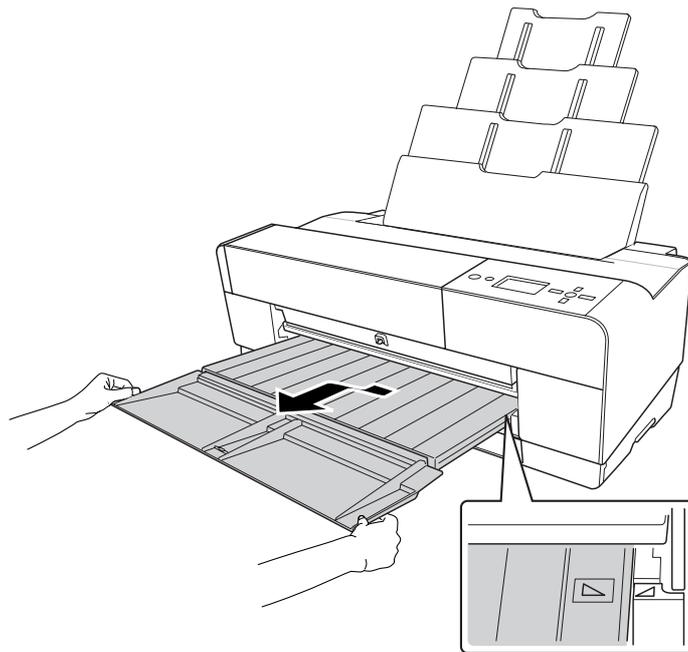
1. Make sure the printer is on and in the **READY** state.
2. Extend the paper guide according to the paper size.



3. Push the output tray cover.



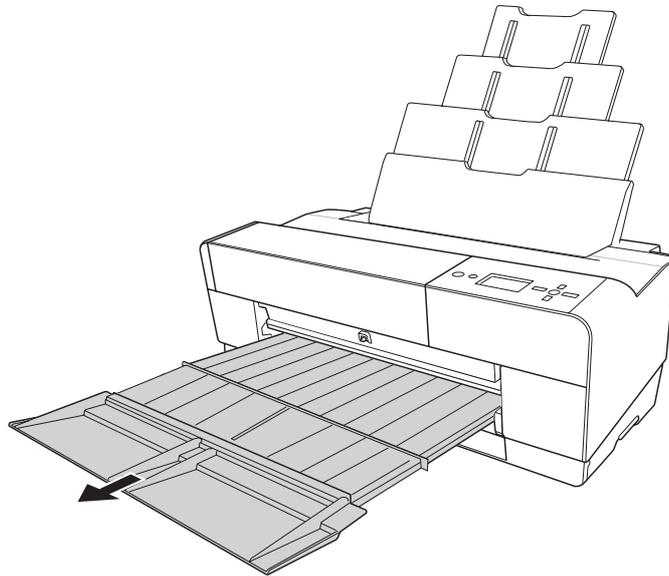
4. Raise and pull out the output tray extension while pulling it out.



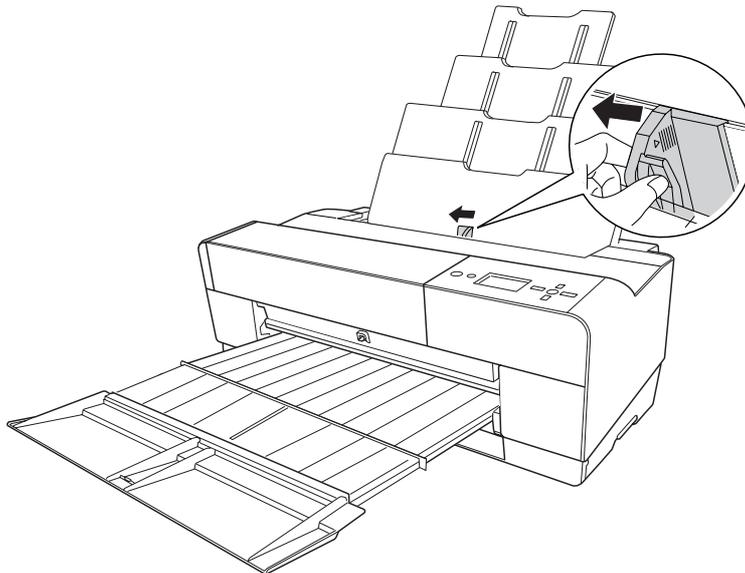
Note:

Make sure to raise the output tray until the triangle mark on the output tray matches with the triangle mark on the left side of the printer.

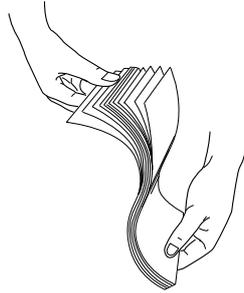
5. Pull out the output tray extension according to the paper size. If you do not extend it properly, the printout may fall.



6. Slide the edge guide to the left so it is slightly wider than the width of your paper.

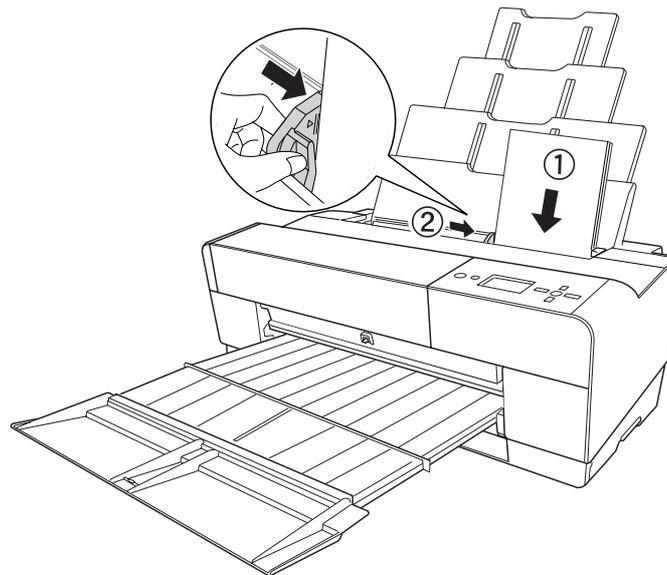


7. Fan a stack of paper, and then tap it on a flat surface to even the edges.



If the paper is curled, flatten it before you load it. If it curls excessively and jams frequently, stop using it.

8. Hold the left and right edges of the paper. Align the right edge of the paper to the right, and then insert the paper until it meets resistance. Slide the edge guide to fit to the left side of the paper.



Now, the printer is ready to print.

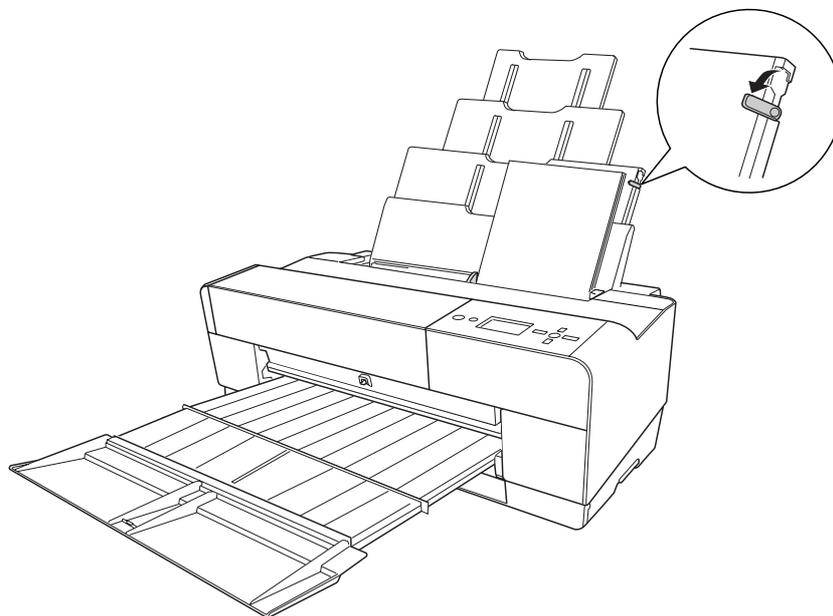


Caution:

Do not leave the paper in the printer for a long period of time; its quality will deteriorate. We recommend that you remove the paper from the printer after printing.

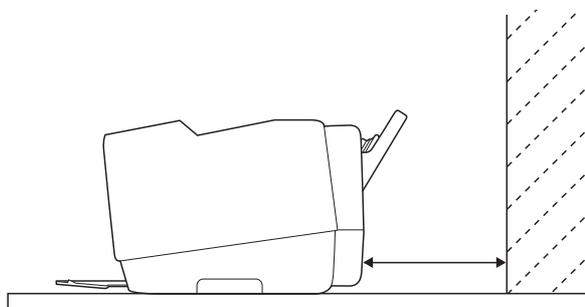
Note:

If a paper skew occurs when printing on A3 or larger plain paper, use the edge guide located on the right side of the Auto Sheet Feeder to load the paper straight.



Loading paper into the front manual feed slot

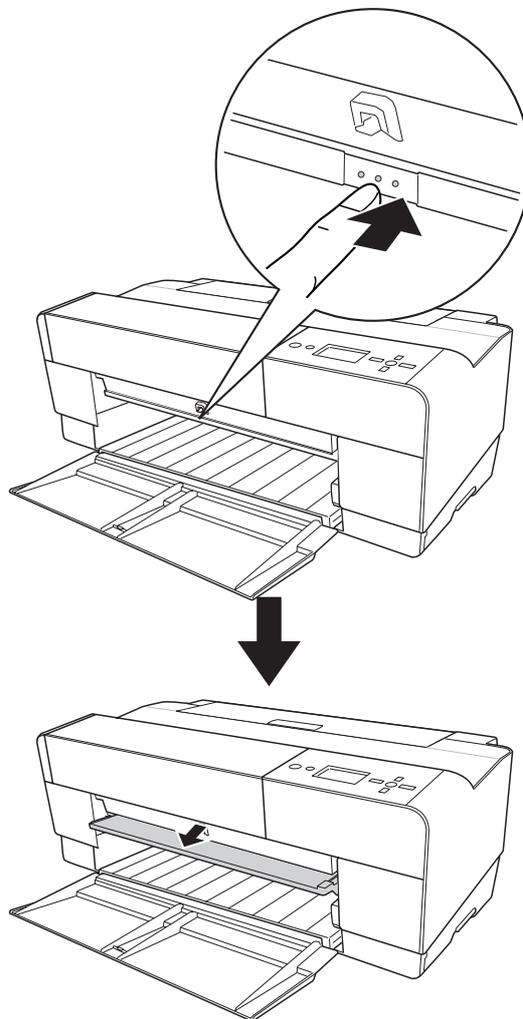
As the printer feeds paper from the front side to the rear side of the printer, keep enough space between the rear side of the printer and the wall, according to the following table.



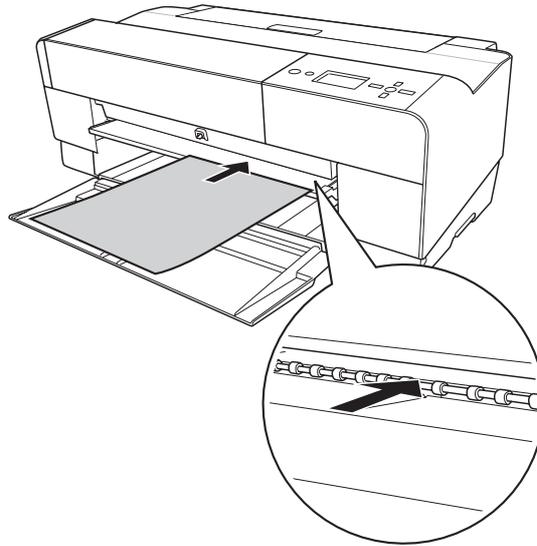
Paper size	Space
A2	450 mm
Super A3/B	340 mm
A3	280 mm
A4	160 mm

Note:

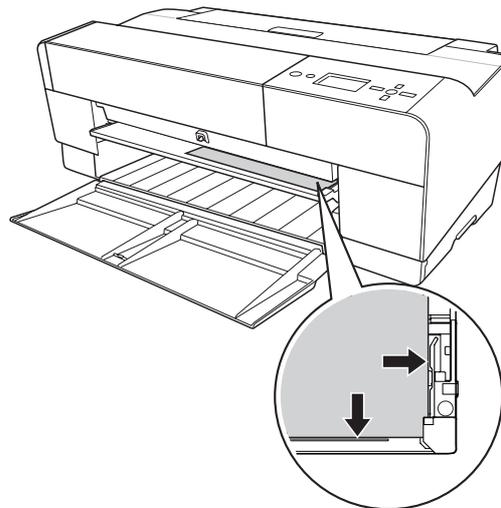
- ❑ When *PAPER SIZE CHECK* is set to **OFF** on the printer's control panel, you cannot feed paper from the manual feed slot. See "*PAPER SIZE CHECK*" on page 103 for details.
 - ❑ When you print on a thick paper (1.2 to 1.5 mm), always load the sheet from the front manual feed slot.
 - ❑ You can load a sheet of A4/Letter to A2 size.
 - ❑ Load one sheet at a time into the front feed slot.
 - ❑ Load paper with the printable surface up.
1. Make sure the printer is on and in the **READY** state.
 2. Push the front manual tray a little harder, then the front manual tray is pushed out.



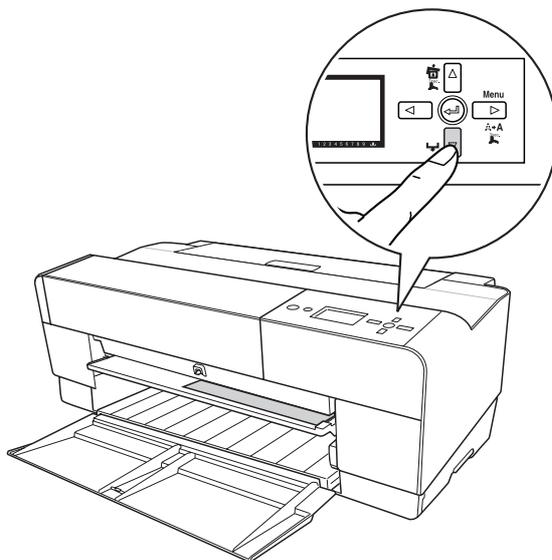
3. Insert a sheet to where paper is usually ejected.



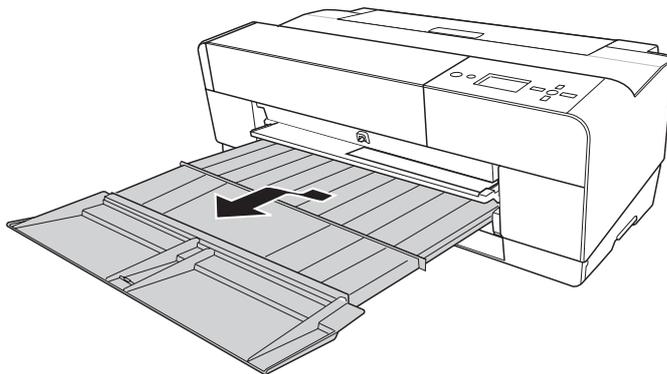
4. Adjust the right edge of the paper resting against the right side of the front manual tray, and also align the bottom edge of the paper with the white line.



5. Press the **Paper Feed/Down ▼** button to feed the paper to the printing position.



6. Pull out the output tray extension according to the paper size. If you do not extend it properly, the printout may fall.



Now, the printer is ready to print.



Caution:

Do not leave the paper in the printer for a long period of time; its quality will deteriorate. We recommend that you remove the paper from the printer after printing.

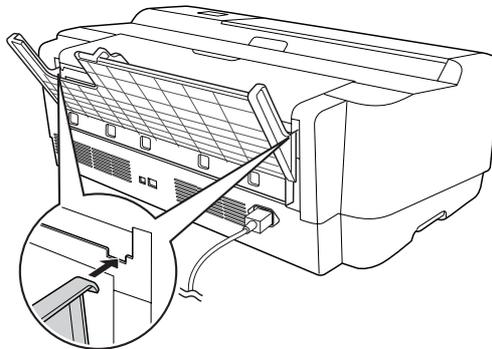
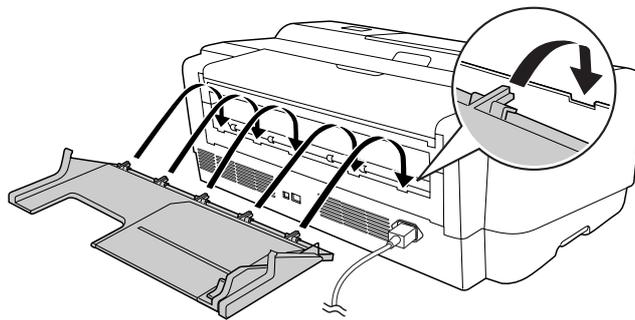
Note:

Store the front manual tray by pushing it in when you are not printing from the front manual feed slot.

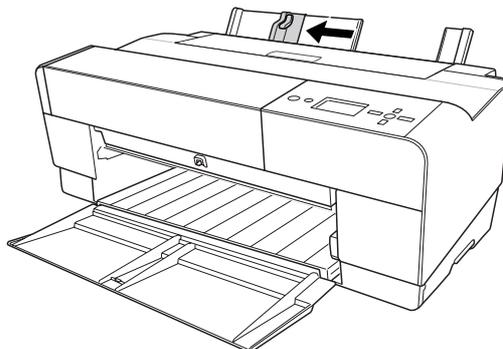
Loading paper into the rear manual feed slot

Note:

- ❑ You can load a sheet of A4/Letter to A2/USC size with a thickness of 0.29 to 0.5 mm.
 - ❑ Load one sheet at a time into the rear feed slot.
 - ❑ Load paper with the printable surface up.
1. Make sure the printer is on and in the READY state.
 2. Attach the rear sheet guide to the back of the printer.



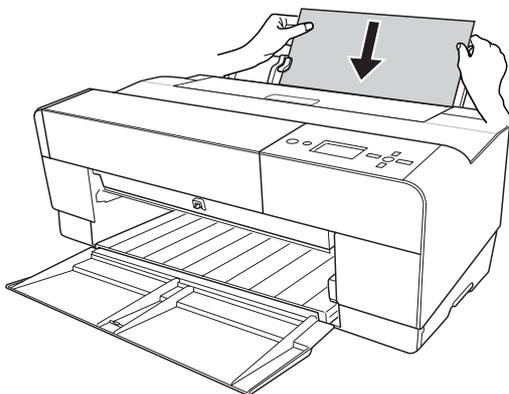
3. Slide the edge guide to the left so it is slightly wider than the width of your paper.



4. Using the rear sheet guide, insert the paper into the rear manual feed slot flush with the right edge guide.
5. Slide the edge guide on the rear sheet guide until it is flush with the paper.



6. Guide the paper into the slot and feed it into the printer until it meets resistance. Maintain a constant pressure against the paper (approx. 3 seconds) until you feel the printer pull the paper in slightly.

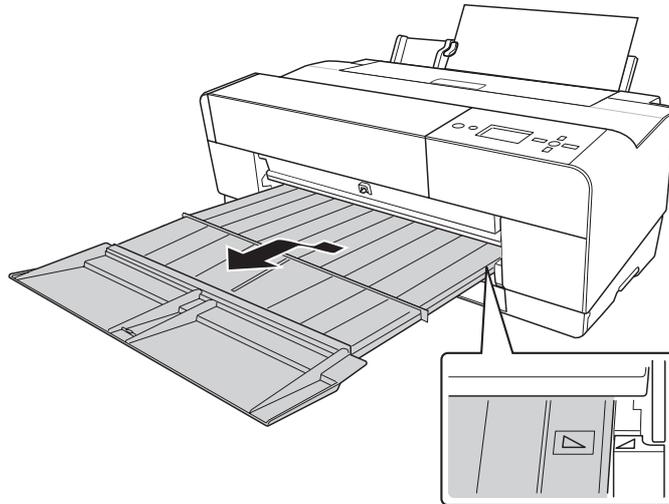


The printer automatically feeds the paper to the printing position.

Note:

If you want to remove the paper, press the **Paper Feed/Down ▼** button to back feed the paper.

7. Pull out the output tray extension according to the paper size.



Now, the printer is ready to print.



Caution:

Do not leave the paper in the printer for a long period of time; its quality will deteriorate. We recommend that you remove the paper from the printer after printing.

Chapter 5

Maintenance and Transportation

Replacing Ink Cartridges

When the printer's indicator light is flashing, this indicates that the ink is low and you need to obtain a replacement ink cartridge. When the indicator light remains on, this indicates that you need to replace the expended ink cartridge. The LCD panel also displays `INK LOW` or `INK CARTRIDGE REPLACE INK CARTRIDGE`.

Note:

Even if only one ink cartridge is expended, the printer cannot continue to print.

For detailed information on ink cartridges, please access EPSON Web site or refer to the product catalogue.

To check the product codes of ink cartridges, see "Consumable Products" on page 190.

To replace an ink cartridge, follow the steps below.



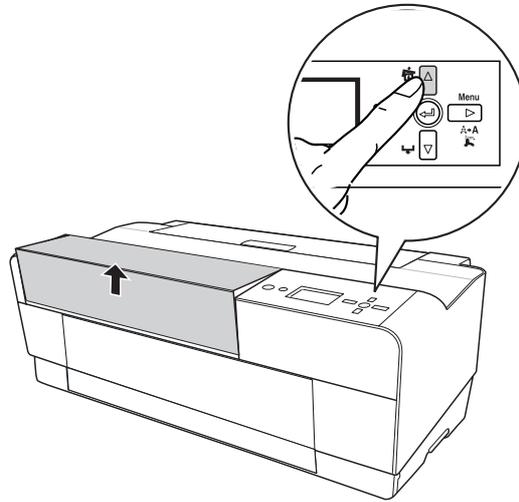
Caution:

Leave the old ink cartridge installed in the printer until you are ready to replace it with a new one.

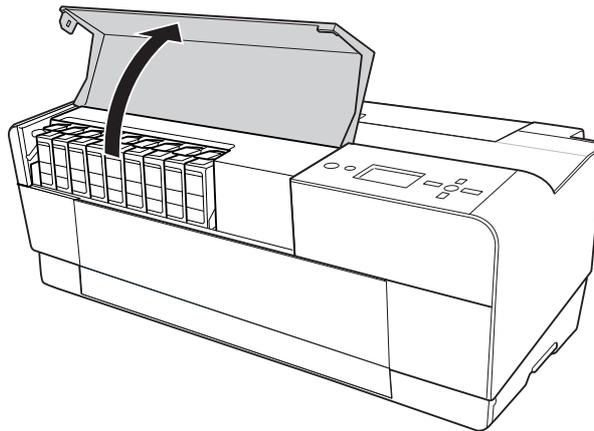
1. Make sure the printer is on. Find out which cartridge needs to be replaced, as indicated by the ink icon on the printer's control panel.
2. Press the **Ink Cover Open/Up ▲** button for 3 seconds to unlock the ink cover.

Note:

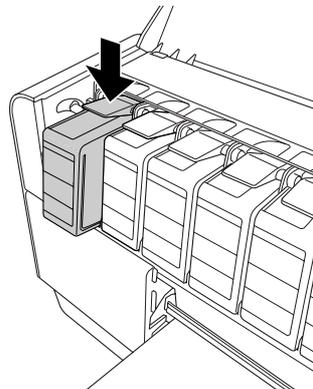
When ink is expended (INK CARTRIDGE REPLACE INK CARTRIDGE appears on the LCD panel), the ink cover opens simply by pressing the Ink Cover Open/Up ▲ button.



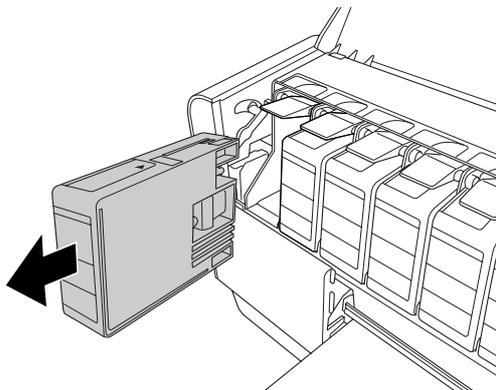
3. Open the ink cover.



4. Press the ink eject button, then the ink cartridge is slightly pushed out.



5. Carefully pull the expended cartridge straight out of the slot, and dispose of it properly.



Warning:

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



Caution:

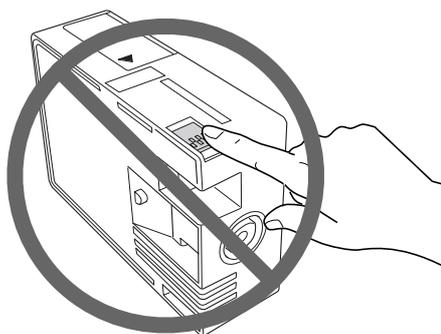
Do not shake cartridges (that have been installed previously) with too much force.

6. Make sure the replacement ink cartridge is the correct color, and remove it from the package.

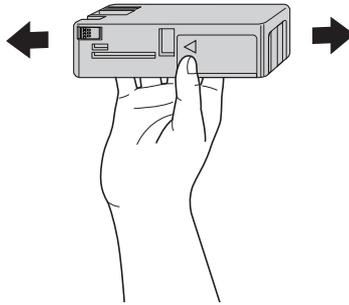


Caution:

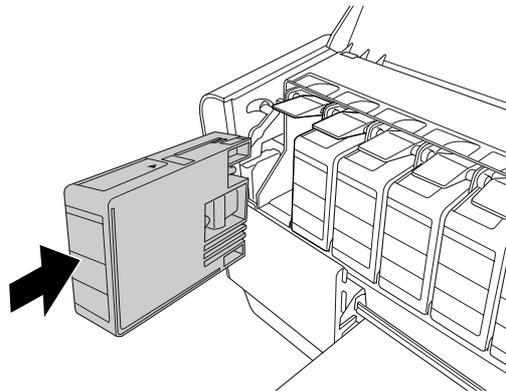
Do not touch the green chip on the side of the cartridge. Doing so may prevent normal operation and printing.



7. Shake the ink cartridge well before installing it for best results.



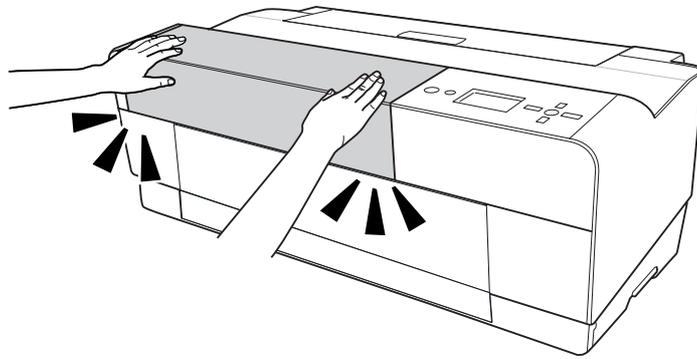
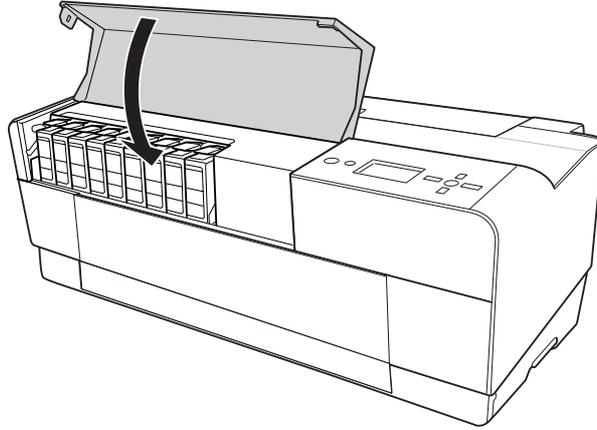
8. Hold the ink cartridge with the arrow mark facing up and pointing to the rear of the printer, and then insert it into the slot as far as it will go until it clicks.



Note:

- ❑ A protection system is provided to prevent improper cartridge insertion. If you cannot insert the ink cartridge smoothly, the type of cartridge may be incorrect. Check the package and product code.
- ❑ If the ink status light remains on, this indicates the ink cartridge may not be installed correctly. Remove the ink cartridge and then reinsert it as described above.
- ❑ If you install an ink cartridge in the wrong slot, INK CARTRIDGE ERROR appears on the LCD panel. Make sure that the correct ink cartridge is installed in the correct slot.

9. Close the ink cover. The printer returns to the previous status.



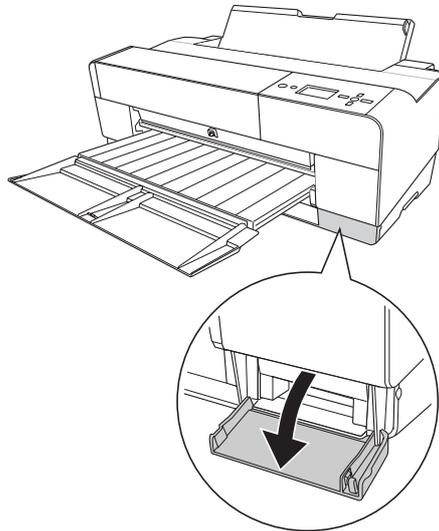
Replacing the Maintenance Cartridge

If the maintenance cartridge icon tells that the maintenance cartridge is full or near full on the LCD panel, replace the maintenance cartridge.

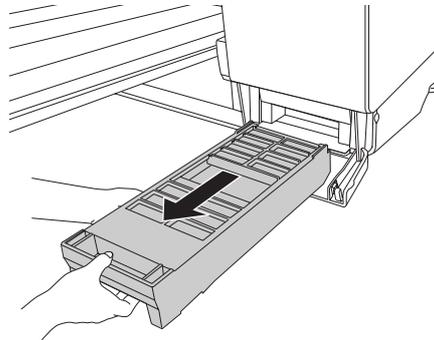
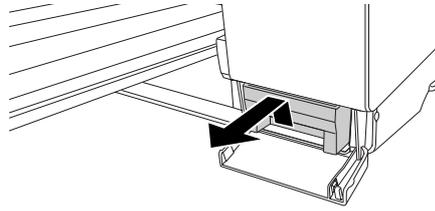
To check the product code of the maintenance cartridge, see “Consumable Products” on page 190.

To replace the maintenance cartridge, follow the steps below.

1. Turn off the printer.
2. Open the maintenance cartridge cover.



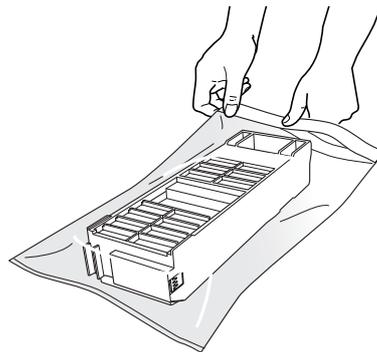
- Put your hand on the handle of the maintenance cartridge, then push up the maintenance cartridge and gently pull it outward.



Warning:

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

- Put the used maintenance cartridge in the plastic bag provided with the replacement cartridge, and dispose it properly.



Note:

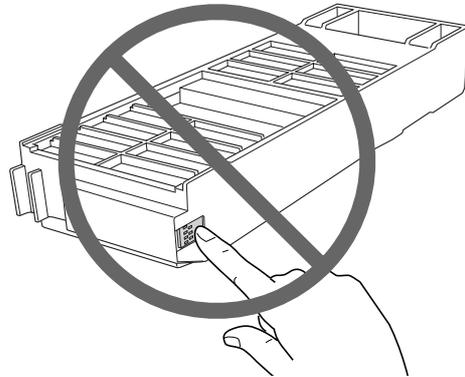
Do not tilt the used maintenance cartridge until after it is sealed in the plastic bag.

5. Remove the replacement maintenance cartridge from its package.

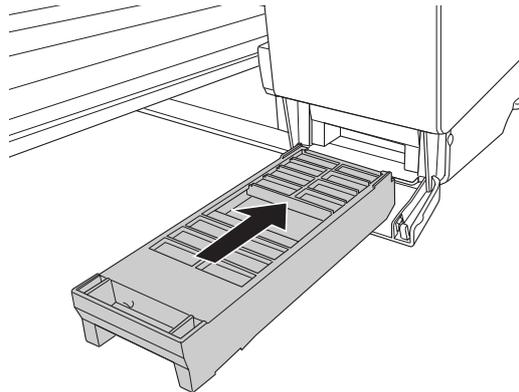


Caution:

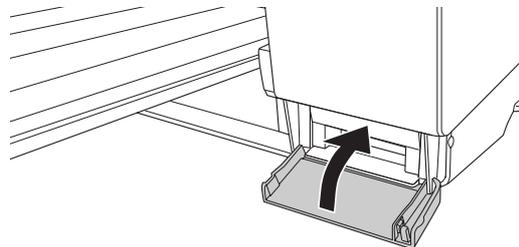
Do not touch the green chip on the side of the cartridge. Doing so may prevent normal operation.



6. Insert the new maintenance cartridge into place as far as it will go.



7. Close the maintenance cartridge cover.



Cleaning the Printer

To keep your printer in top operating condition, clean it thoroughly if it becomes soiled.

**Warning:**

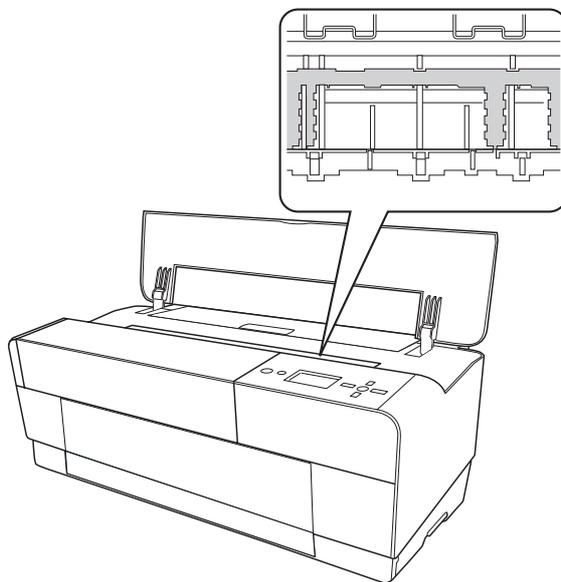
Be careful not to touch the gears inside the printer.

**Caution:**

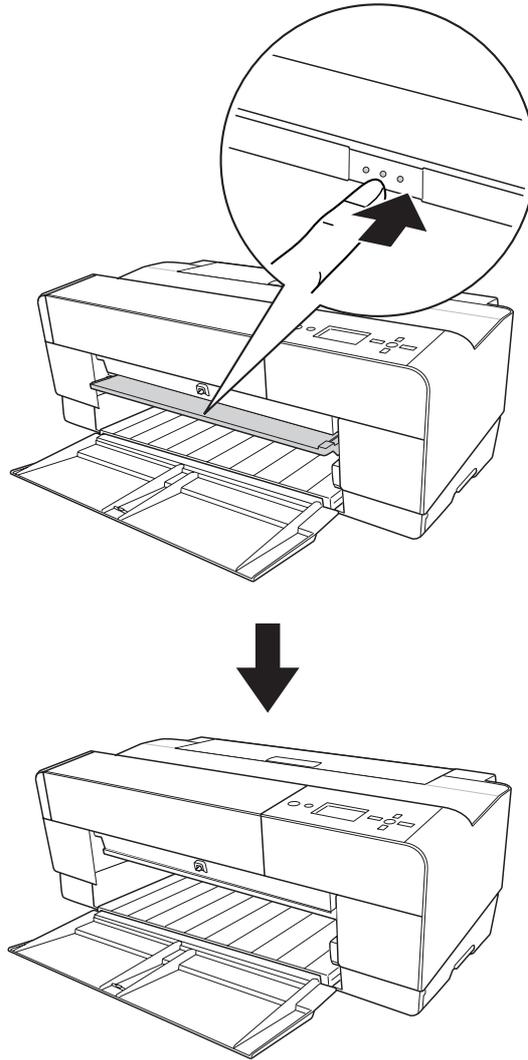
- Never use alcohol or thinners to clean the printer; these chemicals can damage the components as well as the case.*
 - Be careful not to get water on the printer mechanism or electronic components.*
 - Do not use a hard or abrasive brush.*
 - Do not spray the inside of the printer with lubricants; unsuitable oils can damage the mechanism. Contact your dealer or a qualified service person if lubrication is needed. See "Contacting Customer Support" on page 174.*
1. Make sure the printer is turned off and all the lights are off, and then unplug the power cord. Leave the printer for a minute.

**Caution:**

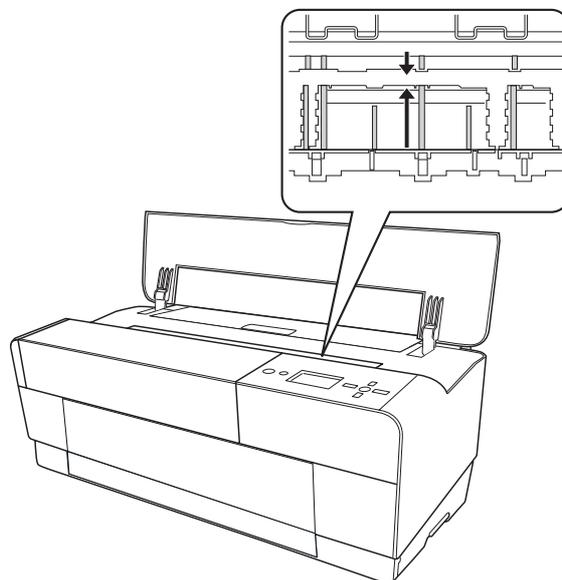
Do not touch the ink absorption (the light magenta part); otherwise, printouts may be soiled.



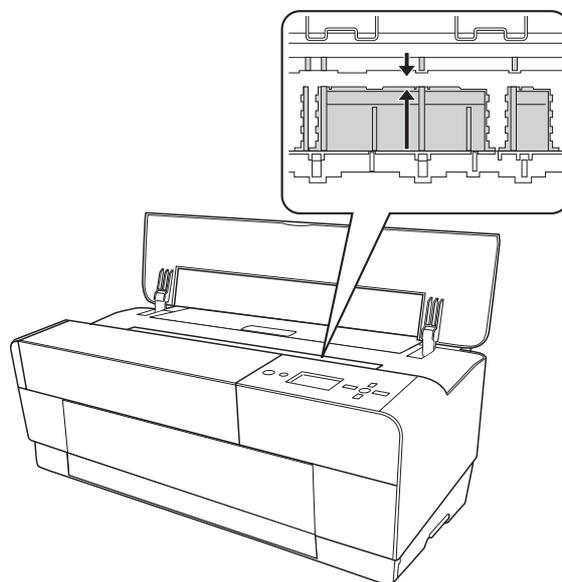
2. If the front manual tray is pushed out, store it by pushing it in.



3. Open the top cover and then use a soft, clean cloth to carefully remove any dust or dirt inside the printer. If the back of a printout is soiled, carefully clean the rib (the light magenta part) using a soft, clean cloth by following the directions of the arrows.



4. If the problem still occurs, clean it using a soft, clean cloth dampened with mild detergent. Then, wipe the inside of the printer dry with a dry, soft cloth.



5. If the outer case is dirty, clean it using a soft, clean cloth dampened with mild detergent. You should keep the ink compartment covers closed to prevent water from getting inside.

If you have not used your printer for a long time

If you have not used your printer for a long time, the print head nozzles may become clogged. Perform a nozzle check and clean the print head.

To perform a nozzle check using the control panel, see “Checking the print head nozzles” on page 109.

To perform a nozzle check using the printer software, see “Checking the print head nozzles” on page 47 for Windows, or “Checking the print head nozzles” on page 91 for Mac OS X.

To clean the print head using the control panel, press the **Menu/Right ►** button for more than 3 seconds.

To clean the print head using the printer software, see “Cleaning the print head” on page 48 for Windows, or “Cleaning the print head” on page 92 for Mac OS X.

Note:

Even if you will not be using your printer for a long time, leave the ink cartridges installed.

Transporting the Printer

Over a long distance

If you need to transport your printer over a long distance, repack the printer using the original box and packing materials.

To repack the printer, follow the steps below.

1. Make sure the printer is turned on.
2. Remove the following parts.
 - Cut sheet media
 - Rear sheet guide

Note:

Do not remove the ink cartridges.

3. Make sure the print head is in the home (far right) position.
4. Turn off the printer.

5. Make sure the printer is turned off, and then unplug the power cord.
6. Insert the protective materials and repack the printer. Contact your dealer for assistance. See "Contacting Customer Support" on page 174.

Over a short distance

If you need to move the printer over a short distance, be sure to perform the following tasks.

- Remove the rear sheet guide.
- Lift the printer. The printer weighs approximately 19.6 kg (43.2 lb) and must be lifted carefully.

Setting up the printer after transporting it

The steps you need to take to set up the printer after transporting it are almost identical to the steps carried out the first time you set up the printer. When you set up the printer again, see the Start Here, and note the following points.

- Do not forget to remove any protective materials.
- The first time you start printing after transporting the printer, or if you have not turned on the printer for a long time, the print head nozzles may be clogged. Epson recommends that you perform a nozzle check and clean the print head, and also realign the print head to ensure print quality.

To perform a nozzle check using the control panel, see "Checking the print head nozzles" on page 109.

To perform a nozzle check using the printer software, see "Checking the print head nozzles" on page 47 for Windows, or "Checking the print head nozzles" on page 91 for Mac OS X.

To clean the print head using the control panel, press the **Menu/Right ►** button for 3 seconds.

To clean the print head using the printer software, see "Cleaning the print head" on page 48 for Windows, or "Cleaning the print head" on page 92 for Mac OS X.

To realign the print head using the control panel, see "Aligning the print head" on page 110.

To realign the print head using the printer software, see "Aligning the print head" on page 49 for Windows, or "Aligning the print head" on page 93 for Mac OS X.

Chapter 6

Problem Solver

Troubleshooting

Printer stops printing unexpectedly

Head cleaning, ink charging, or ink drying is in progress

During head cleaning, ink charging, and ink drying, CLEANING PLEASE WAIT, CHARGING INK, and INK DRYING appears on the LCD panel respectively. Wait until the printer resumes printing.

An error has occurred

Many common printer problems can be identified by the messages on the LCD panel.

You can also check the lights on the control panel for errors. See “Lights” on page 96.

For other messages not included in the following table, see “Messages” on page 97.

Error messages

Message	Description	What to do
MAINTENANCE CARTRIDGE IS NEARLY FULL	The maintenance cartridge is almost full.	Although you can continue printing, you need to replace the maintenance cartridge with a new one immediately. See “Replacing the Maintenance Cartridge” on page 138.
MAINTENANCE CARTRIDGE NEARLY FULL REPLACE THE CARTRIDGE	The maintenance cartridge is almost full.	Replace the maintenance cartridge with a new one. See “Replacing the Maintenance Cartridge” on page 138.
INK LOW	The ink cartridge is nearly expended.	Replacement of the ink cartridge is nearly needed. Although you can continue printing in INK LOW situation, it may decline the print quality.

<p>MAINTENANCE REQUEST NNNN</p>	<p>A part used in the printer has nearly reached the end of its life. "NNNN" shows the code of the part.</p>	<p>Note the code and contact your dealer. See "Contacting Customer Support" on page 174.</p>
<p>CLEANING ERROR PRESS THE DOWN BUTTON AND REMOVE THICK PAPER</p>	<p>Cleaning cannot be executed because thick paper is loaded.</p>	<p>Remove the thick paper.</p>
<p>PAPER REMOVE REMOVE PAPER FROM THE REAR</p>	<p>The paper is removed from the rear manual feed slot.</p>	<p>Remove the paper from the rear manual feed slot.</p>
<p>PAPER FEED ERROR LOAD PAPER CORRECTLY PRESS THE DOWN BUTTON</p>	<p>Double-sided printing has been performed, and the printer could not feed the paper correctly.</p>	<p>Load the paper which just has been ejected, and then press the Paper Feed/Down ▼ button.</p>
<p>PAPER EJECT ERROR PRESS THE DOWN BUTTON AND REMOVE PAPER</p>	<p>The printer could not eject the printout.</p>	<p>Press the Paper Feed/Down ▼ button, and then remove the printout.</p>
<p>PAPER JAM REMOVE PAPER</p>	<p>The paper is jammed.</p>	<p>Remove the jammed paper. See "Clearing paper jams" on page 161 for details.</p>
<p>CLEANING ERROR PRESS THE CANCEL/RESET BUTTON</p>	<p>The nozzles are still clogged.</p>	<p>Press the Cancel/Reset ⏏ button. Then, run the Head Cleaning utility. For Windows, see "Cleaning the print head" on page 48. For Mac OS X, see "Cleaning the print head" on page 92.</p>
<p>PAPER SENSOR ERROR PRESS THE ⏏ BUTTON. LOAD THE CORRECT PAPER</p>	<p>The loaded paper does not match the paper type selected for the Auto Head Alignment.</p>	<p>Press the Cancel/Reset ⏏ button, and then load the paper that matches with the paper type selected for the Auto Head Alignment. See "Aligning the print head automatically" on page 110 for details.</p>
<p>PAPER SENSOR ERROR PRESS THE ⏏ BUTTON LOAD DIFFERENT PAPER</p>	<p>The loaded paper does not match the paper type selected.</p>	<p>Press the Cancel/Reset ⏏ button, and then load the paper that matches with the paper type. See "Aligning the print head automatically" on page 110 for details.</p>
<p>PAPER SIZE ERROR LOAD THE CORRECT SIZE PAPER</p>	<p>The loaded paper size does not match the data size.</p>	<p>Match the loaded paper size to the data size.</p>

PAPER ERROR LOAD PAPER	No paper is loaded in the printer.	Load paper correctly.
BORDERLESS ERROR PRESS THE DOWN BUTTON. LOAD THE CORRECT SIZE PAPER	The paper installed is not supported for borderless printing, or the PAPER SIZE CHECK setting is off.	Press the Paper Feed/Down ▼ button, and then load a different size of cut sheet media. Also, select ON for PAPER SIZE CHECK on the printer's control panel. See "Making the Borderless setting" on page 33 for Windows, or "Performing Borderless Printing" on page 87 for Mac OS X.
PAPER ERROR PRESS THE DOWN BUTTON. LOAD PAPER CORRECTLY	The printer cannot detect the loaded cut sheet media, because it is wavy or curled.	Flatten the cut sheet media.
	The printer cannot detect the loaded cut sheet media, because the color of the paper is either transparent or black like the platen color.	Select OFF for PAPER SIZE CHECK on the printer's control panel, or load the genuine Epson paper.
PAPER SKEW PRESS THE DOWN BUTTON. LOAD PAPER CORRECTLY	The paper is not loaded straight.	Press the Paper Feed/Down ▼ button, and then load the paper straight.
PAPER SETTING ERROR CHECK PAPER SOURCE IN THE DRIVER SETTINGS AND LOAD PAPER CORRECTLY	The paper path is wrong.	Check the Paper Source setting in the printer driver, and load the paper correctly.
COMMAND ERROR CHECK DRIVER SETTINGS	Damaged data has been sent to the printer.	Stop printing, and press the Cancel/Reset ⏏ button for 3 seconds.
	The printer receives data with a wrong command.	
	The installed printer driver is not correct for the printer.	Stop printing, and press the Cancel/Reset ⏏ button for 3 seconds. Then make sure that the installed printer driver is correct for the printer.
INK CARTRIDGE ERROR PRESS THE UP BUTTON REPLACE THE CARTRIDGE	An ink cartridge error has occurred.	Press the Ink Cover Open/Up ▲ button to open the ink cover. Then remove the ink cartridge and install it again.
INK CARTRIDGE REPLACE INK CARTRIDGE	The ink cartridge is expended.	Install a new ink cartridge.

INK CARTRIDGE ERROR CHECK CARTRIDGE	An ink cartridge with the wrong product code is installed.	Remove the ink cartridge, and install the ink cartridge with the correct product code. See "Consumable Products" on page 190.
INK CARTRIDGE ERROR PLEASE INSTALL THE CORRECT CARTRIDGE	An ink cartridge that cannot be used with this printer is installed.	Remove the ink cartridge, and install an ink cartridge that can be used with this printer. See "Consumable Products" on page 190.
INK CARTRIDGE PLEASE USE GENUINE EPSON INK CARTRIDGES	Non-genuine ink cartridge is installed.	Replace the ink cartridge with a genuine Epson ink cartridge. See "Replacing Ink Cartridges" on page 133 and "Consumable Products" on page 190.
INK CARTRIDGE NON-GENUINE CARTRIDGE MAY NOT PERFORM AT OPTIMUM. CONTINUE? <YES NO>	Non-genuine ink cartridge is installed.	Select NO (press the Menu/Right ► button) to replace the ink cartridge with a genuine Epson ink cartridge. See "Replacing Ink Cartridges" on page 133. Otherwise, select YES (press the Back/Left ◀ button).
INK CARTRIDGE THIS MAY VOID EPSON'S WARRANTY. DO YOU ACCEPT THIS? <ACCEPT DECLINE>	Non-genuine ink cartridge is installed. This may void EPSON's warranty.	Select DECLINE (press the Menu/Right ► button) to replace the ink cartridge with a genuine Epson ink cartridge. Selecting ACCEPT (press the Back/Left ◀ button) may void EPSON's warranty.
INK CARTRIDGE ERROR REPLACE CARTRIDGE	An error has occurred while reading or writing data.	Remove the ink cartridge and reinstall it. If this message appears after reinstalling the ink cartridge, replace it. See "Replacing Ink Cartridges" on page 133.
NO INK CARTRIDGE INSTALL INK CARTRIDGE	No ink cartridge is installed.	Install an ink cartridge.
FRONT SLOT CLOSED OPEN THE FRONT MANUAL FEED SLOT	The front manual feed slot is closed during operation.	Open the front manual feed slot by pushing it. If necessary, remove the paper.
FRONT FEED SLOT OPEN LOAD MEDIA PRESS THE DOWN BUTTON	The front manual feed slot is open, but no paper is loaded.	Load a sheet of paper in the front manual feed slot, and then press the Paper Feed/Down ▼ button.
FRONT FEED SLOT OPEN CLOSE THE FRONT MANUAL FEED SLOT	The front manual feed slot is opened during operation.	Close the front manual feed slot by pushing it.

FRONT FEED SLOT OPEN PRESS THE DOWN BUTTON AND REMOVE PAPER	The front slot error has occurred.	Press the Paper Feed/Down ▼ button, and then remove the paper from the front manual feed slot.
MAINTENANCE CARTRIDGE FULL REPLACE THE CARTRIDGE	The maintenance cartridge is full.	Replace the maintenance cartridge with a new one. See "Replacing the Maintenance Cartridge" on page 138.
MAINTENANCE PLEASE USE GENUINE EPSON CARTRIDGES	Non-genuine maintenance cartridge is installed.	Replace the maintenance cartridge with a genuine Epson cartridge. See "Replacing the Maintenance Cartridge" on page 138 and "Consumable Products" on page 190.
MAINTENANCE NON-GENUINE CARTRIDGE MAY NOT PERFORM AT OPTIMUM. CONTINUE? <YES NO>	Non-genuine maintenance cartridge is installed.	Select No (press the Menu/Right ► button) to replace the maintenance cartridge with a genuine Epson maintenance cartridge. See "Replacing the Maintenance Cartridge" on page 138. Otherwise, select YES (press the Back/Left ◀ button).
MAINTENANCE THIS MAY VOID EPSON'S WARRANTY. DO YOU ACCEPT THIS? <ACCEPT DECLINE>	Non-genuine maintenance cartridge is installed. This may void EPSON's warranty.	Select DECLINE (press the Menu/Right ► button) to replace the maintenance cartridge with a genuine Epson maintenance cartridge. Selecting ACCEPT (press the Back/Left ◀ button) may void EPSON's warranty.
MAINTENANCE CARTRIDGE ERROR REPLACE THE CARTRIDGE	The maintenance cartridge is not set in the printer.	Install the maintenance cartridge.
NOT ENOUGH INK REPLACE INK CARTRIDGE WITH A NEW ONE	The ink cartridge is nearly expended.	Replace the ink cartridge with a new one. See "Replacing Ink Cartridges" on page 133 for details.
CANNOT OPEN COVER IS THERE ANYTHING ON THE PRINTER? PRESS THE UP BUTTON	Something may be placed on the printer (ink cover).	Remove whatever is placed on the printer (ink cover). Then press the Ink Cover Open/Up ▲ button.
PAPER FEED ERROR LOAD PAPER CORRECTLY AND PRESS PAPER/FEED BUTTON	The printer could not feed the paper.	Set the paper correctly, and then press the Paper Feed/Down ▼ button.

PAPER FEED ERROR REMOVE PAPER AND LOAD PAPER CORRECTLY	The printer could not feed the paper.	Remove the paper, and then load the paper correctly.
INK COVER OPEN CLOSE THE INK COVER	The ink cover is open.	Close the ink cover.
MAINTENANCE COVER OPEN CLOSE THE MAINTENANCE COVER	The maintenance cartridge cover is open.	Close the maintenance cartridge cover.
NO MAINTENANCE CART. INSTALL THE MAINTENANCE CARTRIDGE	The maintenance cartridge is not set in the printer.	Install the maintenance cartridge.
PAPER JAM CLEAR JAMMED PAPER SEE PRINTER GUIDE FOR INSTRUCTIONS	The paper may be jammed.	Remove the jammed paper. See "Clearing paper jams" on page 161 for details.
CARRIAGE LOCKED RELEASE THE CARRIAGE LOCK	Print head is locked.	Remove the protective materials from the print head to release the print head.
PRINTER ERROR RESTART THE PRINTER	Some errors have occurred.	Turn the printer off, and then turn it on again.
SERVICE CALL ERROR NNNN PLEASE CONTACT TO THE REPAIR CENTER	Print head is locked.	Remove the protective materials from the print head to release the print head.
	A fatal error has occurred.	Turn the printer off, leave it for a while, and turn the printer on again. If this message appears on the LCD panel again, note the code and contact your dealer. See "Contacting Customer Support" on page 174.

The printer does not turn on or stay on

When the Power light does not come on and mechanism initialization does not start even when the **Power**  button is pressed to turn on the printer, try the following solutions for the problem.

- Turn off the printer and make sure the power cord is securely plugged into the printer.
- Make sure your outlet works and is not controlled by a wall switch or timer.
- Make sure the supplied voltage to the printer matches the rating voltage labeled on the printer. If not, turn off the printer and unplug the power cord immediately. Contact your dealer for assistance. See “Contacting Customer Support” on page 174.



Caution:

If the supplied voltage and rating voltage do not match, do not plug the printer back in again, as damage may occur.

The printer prints nothing

The printer is not correctly connected to the computer

Try one or more of these solutions:

- Turn off the printer and computer. Make sure the printer's interface cable is securely plugged into the correct terminal of the computer.
- Make sure the interface cable specifications match the specifications for the printer and computer.
- Make sure the interface cable is directly connected to the computer without passing through any device, such as a printer switching device, or extension cable.

Your Epson printer is not selected as the default printer

Install the printer driver if it is not installed yet, and follow the steps below to select your Epson printer as the default printer.

For Windows XP x64 and XP

1. Click **Start**, click **Control Panel**, click **Printers and Other Hardware**, and then click **Printers and Faxes**.
2. Right-click **EPSON Stylus Pro 3800**.
3. Select **Set As Default Printer**, then close the window.

For Windows 2000

1. Click the **Start** button, point to **Settings** and select **Printers**.
2. Right-click **EPSON Stylus Pro 3800** in the Printers window.
3. Select **Set As Default**, then close the Printers window.

For Mac OS X

Make sure that the printer driver **Stylus Pro 3800** is correctly added to the Print Center (for Mac OS X 10.2.x) or Printer Setup Utility (for Mac OS X 10.3 or later), and the correct one is selected in the Print Center or the Printer Setup Utility.

Printer port setting does not match the printer connection port (for Windows only)

To select the printer port, follow the steps below.

For Windows XP x64 and XP

1. Click **Start**, click **Control Panel**, click **Printers and Other Hardware**, and then click **Printers and Faxes**.
2. Right-click **EPSON Stylus Pro 3800**, then select **Properties**.
3. Click the **Ports** tab.
4. Make sure that your printer port is selected.

For Windows 2000

1. Click **Start**, point to **Settings**, and then select **Printers**.
2. Right-click **EPSON Stylus Pro 3800** in the Printers window, then select **Properties**.
3. Click the **Ports** tab.
4. Make sure that your printer port is selected.

The printer sounds like it is printing, but nothing prints

Try one or more of these solutions:

- Run the Head Cleaning utility. For Windows, see “Cleaning the print head” on page 48. For Mac OS X, see “Cleaning the print head” on page 92.
- If the Head Cleaning utility does not work, replace the ink cartridges. See “Replacing Ink Cartridges” on page 133.

Printouts are not what you expected

Incorrect, garbled characters, or blank pages print

Try one or more of these solutions:

- For Windows, clear any stalled print jobs from the Progress Meter.
- If the problem persists, turn off the printer and computer. Make sure the printer's interface cable is plugged in securely.

Incorrect margins

Try one or more of these solutions:

- Check the margin settings in your application.
- Make sure the margins are within the printable area of the page. See “Printable area” on page 183.
- For Windows, check the **Borderless** setting in the Paper menu. Make sure they are correct for the paper size you are using. See “Making Settings on the Paper Menu” on page 32.

Inverted image

For Windows, turn off the **Flip Horizontal** setting in the Advanced menu. See “Making Advanced setting” on page 19.

For Mac OS X, turn off the **Flip Horizontal** setting in the Advanced Settings selected in the Print Settings selected in the Print dialog. See “Advanced Settings” on page 79.

Printed color differs from the color on the screen

Try one or more of these solutions:

- Adjust the **Color Density** in the Paper Configuration dialog. For Windows, see “Paper Configuration” on page 20. For Mac OS X, see “Paper Configuration” on page 83.
- Make sure the media type setting matches the paper being used.
- Since monitors and printers produce colors differently, printed colors will not always match on screen colors perfectly. However, the above color systems are provided to overcome color differences.

For Mac OS X, select **ColorSync** to color match your system in the Printer Color Management selected in the Print dialog. See “Printer Color Management” on page 80.

- You can produce sharper images with more vivid colors.

For Windows, select **PhotoEnhance** in the Advanced menu. See “Making Advanced setting” on page 19.

- For Windows, select **Color Controls** in the Advanced menu, and adjust color, brightness, etc. as required. See “Making Advanced setting” on page 19.

For Mac OS X, select **Color Controls** in the Printer Color Management selected in the Print dialog. See “Printer Color Management” on page 80.

A ruled line shifts

Perform the print head alignment. For Windows, see “Aligning the print head” on page 49. For Mac OS X, see “Aligning the print head” on page 93.

If the problem persists, perform the print head cleaning. For Windows, see “Cleaning the print head” on page 48. For Mac OS X, see “Cleaning the print head” on page 92.

Printout has smears on the bottom edge

Try one or more of these solutions:

- If the paper is curled towards the printable side, flatten it or curl it slightly to the opposite side.
- For Windows, if you use Epson special media, check the Media Type setting in the Main menu. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, if you use Epson special media, check the Media Type setting in the Print Settings selected in the Print dialog. See “Page Setup” on page 75.

For paper other than Epson's, register and select paper thickness in Menu mode. Make sure it is correct for the paper you are using. See "Making the paper settings" on page 113.

- ❑ Set the PLATEN GAP to WIDE in the PRINTER SETTING of Menu mode. See "PRINTER SETUP" on page 103.

Printouts are curled when they are ejected

If the printouts are curled on the output tray, remove the paper before the next sheet of paper is ejected.

Print Quality Could be Better

Click the caption under the illustration that best resembles your printout.

 <p>"Horizontal banding" on page 157</p>	 <p>"Vertical misalignment or banding" on page 157</p>
 <p>"Color documents print in black only" on page 159</p>	 <p>"Faint printout or gaps" on page 157</p>
 <p>"Blurry or smeared printout" on page 158</p>	

If you are having print quality problems, try the solutions offered here.

Horizontal banding

Try one or more of these solutions:

- For Windows, check the Media Type setting in the Main menu. Make sure it is correct for the paper you are using. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, check the Media Type setting in the Print Settings selected in the Print dialog. Make sure it is correct for the paper you are using, see “Page Setup” on page 75.

- Make sure the printable side of the paper is face-up.
- Run the Head Cleaning utility to clear any clogged ink nozzles. For Windows, see “Cleaning the print head” on page 48. For Mac OS X, see “Cleaning the print head” on page 92.

You can also clean the print head nozzles using the control panel. To clean the print head nozzles, press the **Menu/Right ►** button for 3 seconds.

- Check the Paper Feed value. Reduce the value to improve light banding, and increase it for dark banding. For Windows, “Paper Configuration” on page 20. For Mac OS X, see “Paper Configuration” on page 83.
- Check the ink status light. If necessary, replace ink cartridges. See “Replacing Ink Cartridges” on page 133.

Vertical misalignment or banding

Try one or more of these solutions:

- For Windows, turn off the **High Speed** setting in the Advanced menu. See “Making Advanced setting” on page 19.

For Mac OS X, turn off the **High Speed** setting in the Advanced Settings is selected in the Print Settings selected in the Print dialog. See “Advanced Settings” on page 79.

- Run the Print Head Alignment utility. For Windows, see “Aligning the print head” on page 49. For Mac OS X, see “Aligning the print head” on page 93.

Faint printout or gaps

Try one or more of these solutions:

- Make sure that the ink cartridges do not exceed the expiry date. The expiry date is labeled on the outside of the ink cartridge.

- ❑ For Windows, check the Media Type setting in the Main menu. Make sure it is correct for the paper you are using. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, check the Media Type setting in the Print Settings selected in the Print dialog. Make sure it is correct for the paper you are using. See “Page Setup” on page 75.

- ❑ Run the Head Cleaning utility to clear any clogged ink nozzles. For Windows, see “Cleaning the print head” on page 48. For Mac OS X, see “Cleaning the print head” on page 92.

You can also clean the print head nozzles using the control panel. To clean the print head nozzles, press the **Menu/Right ►** button for 3 seconds.

- ❑ Check the ink status light. If necessary, replace ink cartridges. See “Replacing Ink Cartridges” on page 133.
- ❑ Select **Standard** as Platen Gap in the Paper Configuration dialog box. For Windows, see “Paper Configuration” on page 20. For Mac OS X, see “Paper Configuration” on page 83.

Blurry or smeared printout

Try one or more of these solutions:

- ❑ For Windows, check the Media Type setting in the Main menu. Make sure it is correct for the paper you are using. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, check the Media Type setting in the Print Settings selected in the Print dialog. Make sure it is correct for the paper you are using. See “Page Setup” on page 75.

- ❑ If the paper you are using is not supported by the printer driver, make the paper thickness setting in Menu mode. See “CUSTOM PAPER” on page 104.
- ❑ Make sure your paper is dry and the printable side is face-up. Also, make sure you are using the correct type of paper. See “Paper” on page 186.
- ❑ Ink may have leaked inside the printer; wipe the inside of the printer with a soft, clean cloth.
- ❑ Run the Head Cleaning utility. For Windows, see “Cleaning the print head” on page 48. For Mac OS X, see “Cleaning the print head” on page 92.

You can also clean the print head nozzles using the control panel. To clean the print head nozzles, press the **Menu/Right ►** button for 3 seconds.

Color documents print in black only

Try one or more of these solutions:

- Make sure the color data settings in your application are correct.
- For Windows, make sure **Color** is set in the Main menu. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, make sure **Color** is set in the Print Settings selected in the Print dialog. See “Color” on page 76.

Printing could be faster

Try one or more of these solutions:

- Select **High Speed** on the Advanced dialog box. For Windows, see “Making Advanced setting” on page 19. For Mac OS X, see “Advanced Settings” on page 79.
- For Windows, select the **Automatic** mode and move the slider towards **Speed** in the Main menu to increase print speed. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, select **Automatic** mode and move the slider towards **Speed** in the Print Settings selected in the Print dialog to increase print speed. See “Mode” on page 76.

- Do not run too many applications at the same time. Close any applications you are not using.
- Change the interface card of your computer to USB 2.0.

Note:

USB 2.0 are available only with the following OS.

USB 2.0:

Windows XP x64, XP, or 2000

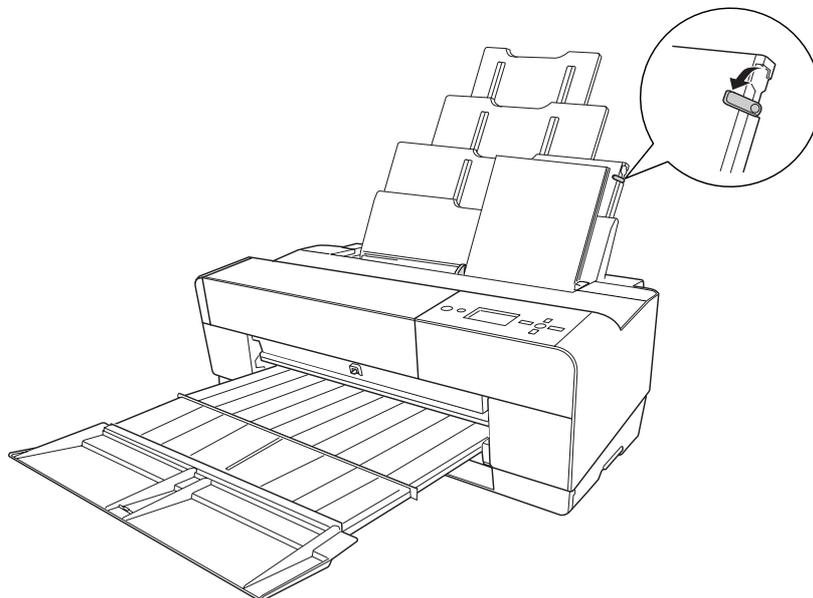
- Delete unnecessary files to make room on your hard disk drive.

Note for Windows:

Your computer may not have enough memory. For further tips, see “Increasing the Print Speed” on page 58.

Paper skew occurs when printing on A3 or larger plain paper

Use the edge guide located on the right side of the Auto Sheet Feeder to load the paper straight.



Paper feed or paper jam problems occur frequently

Try one or more of these solutions:

- Make sure the paper is not folded or wrinkled.
- Make sure the paper is flattened.
- Make sure printing occurs within the operational temperature range.
- Make sure the paper is not damp.
- Make sure the paper is not too thick or too thin. See “Paper” on page 186.
- Make sure no foreign objects are inside the printer.
- For Windows, check the Media Type setting in the Main menu. Make sure it is correct for the paper you are using. See “Making Settings on the Main Menu” on page 14.

For Mac OS X, check the Media Type setting in the Print Settings selected in the Print dialog. Make sure it is correct for the paper you are using. See “Page Setup” on page 75.

- Make sure that the platen gap setting matches your paper. You can change the platen gap setting in the **PRINTER SETUP** of Menu mode. See “**PLATEN GAP**” on page 103.

- ❑ For non-Epson special media, check the paper type selected in the CUSTOM PAPER of Menu mode. See “Making the paper settings” on page 113.

Whenever loading non-Epson special media, test if the paper can be loaded correctly before printing.

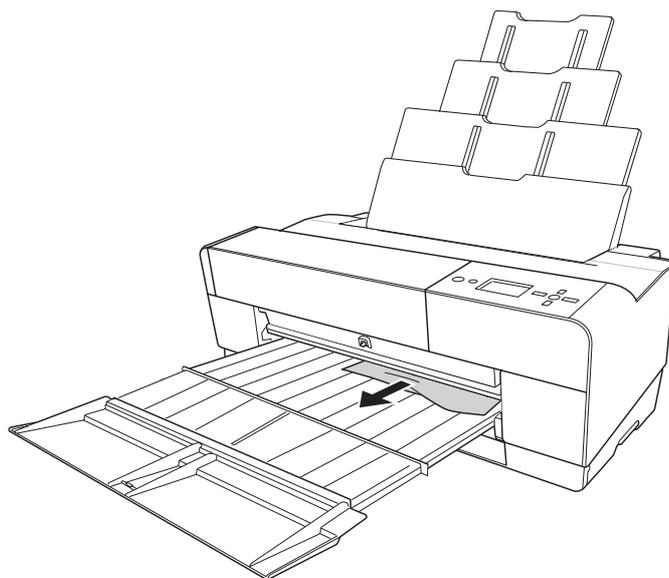
To clear Paper jams, see “Clearing paper jams” on page 161.

Clearing paper jams

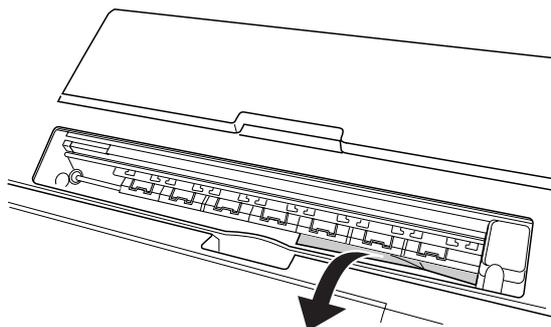
When paper loaded from the Auto Sheet Feeder is jammed

To remove jammed paper, follow the steps below.

1. Turn off the printer.
2. Carefully remove the jammed paper.



If necessary, open the top cover, and remove the jammed paper.

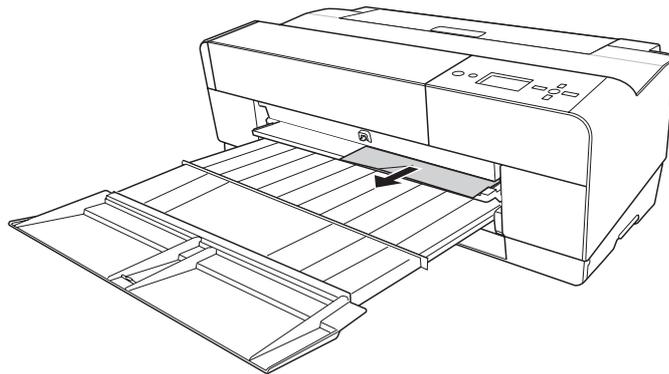


When paper loaded from the front manual feed slot is jammed

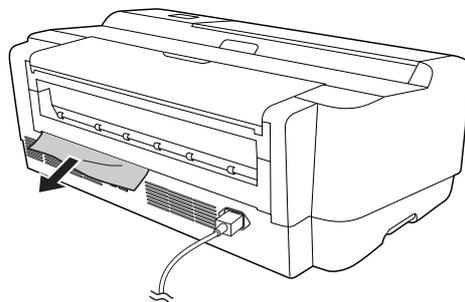
To remove jammed paper, follow the steps below:

1. Turn off the printer.
2. Remove the jammed paper from the front or rear side of the printer.

Front



Rear

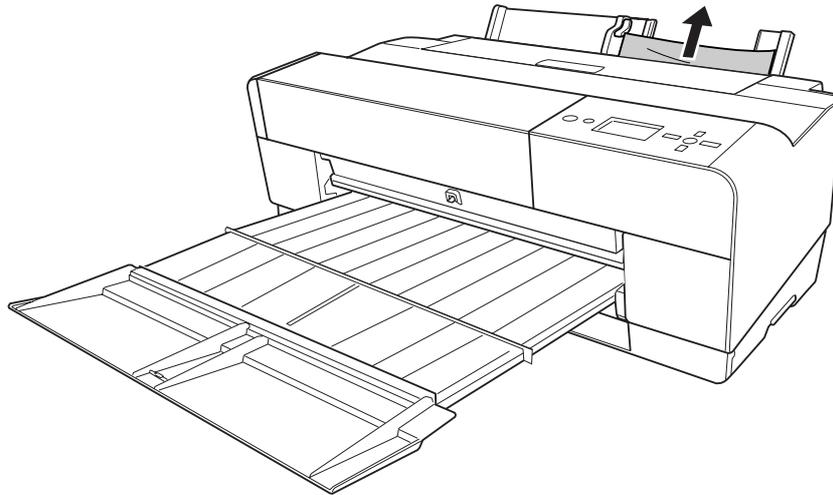


When paper loaded from the rear manual feed slot is jammed

To remove jammed paper, follow the steps below:

1. Make sure the printer is turned on.
2. Press the **Paper Feed/Down ▼** button to feed the paper back.

3. Remove the jammed paper from the back.



Color Management

The printer driver provides a setting for performing color management to printing data and a color adjustment that produces better looking prints by using only the printer driver. Color adjustment is performed without adjusting the color of the original data for printing.

Color Management

- Color management by driver ICM (Windows XP x64, XP, or 2000 only)
- Color management by Host ICM or ColorSync
- Color management by application

Color adjustment by the printer driver

- Color adjustment by the printer driver
For Windows users, see “Color Controls” on page 22.
For Mac OS X users, see “Color Controls” on page 80.
- Auto color adjustment by PhotoEnhance
For Windows users, see “PhotoEnhance” on page 23.

About color management system (CMS)

Since devices such as a digital camera, scanner, monitor, or printer produce color differently, the printing result looks different from the image you see on the display. To adjust the color between devices, use both the color management system prepared for the operating system and image editing software.

Each operating system supports the color management system, such as ICM for Windows and ColorSync for Mac OS. When performing color management using the printer driver, the color management system of the operating system is also used. In this color management system, a color definition file called the ICC profile is used to performing color matching between devices. The ICC profile is prepared for each printer model and each paper type. (For a digital camera, the color domain of sRGB, AdobeRGB, etc., may be specified as the profile.)

In a color management, the profile of an input device is called an input profile (or source profile), and an output device, such as a printer, is called a printer profile (or output profile).



Caution:

When you print an image taken by a digital camera or scanner, usually the printing result looks different from what you see on the display. This variance occurs because each device such as a digital camera, scanner, monitor, or printer, produces colors differently. In order to reduce the differences in color between each device, please perform color management between each device. If color management is not performed between an input device and the display, even if color management is performed between the input device and a printer, the printing result will differ from what you see on the display.

Methods for color management

Color management is performed with your printer by using the following three methods.

Color management	Input profile	Printer profile	Explanations
Driver ICM	Printer driver	Printer driver	Color management is performed by specifying all profiles by the printer driver. This is supported by Windows XP x64, XP, or 2000 only. Color management can be performed even if you print data from an application that does not support ICM color management. If an application supports a color management function, turn it off for printing. See "Color management by driver ICM (Windows XP x64, XP, or 2000 only)" on page 165 for details.

ICM/ColorSync	Application	Printer driver	<p>Since it prints using the color management function of operating systems, a difference may appear in a printing color between Windows and Mac OS.</p> <p>An application needs to support ICM or ColorSync color management.</p> <p>See "Color management by Host ICM or ColorSync" on page 167 for details.</p>
Application	Application	Application	<p>The color management is performed by specifying the all profiles by the application.</p> <p>Color compensation should be turned off (no color adjustment) in the printer driver.</p> <p>You can choose this method when an application supports its own color management function.</p> <p>See "Color management by application" on page 170 for details.</p>

Color management by driver ICM (Windows XP x64, XP, or 2000 only)

The input profile of printing image data and printer profile are managed by the printer driver.

When using this function with an application that supports a color management function, turn off the color management function of the application.

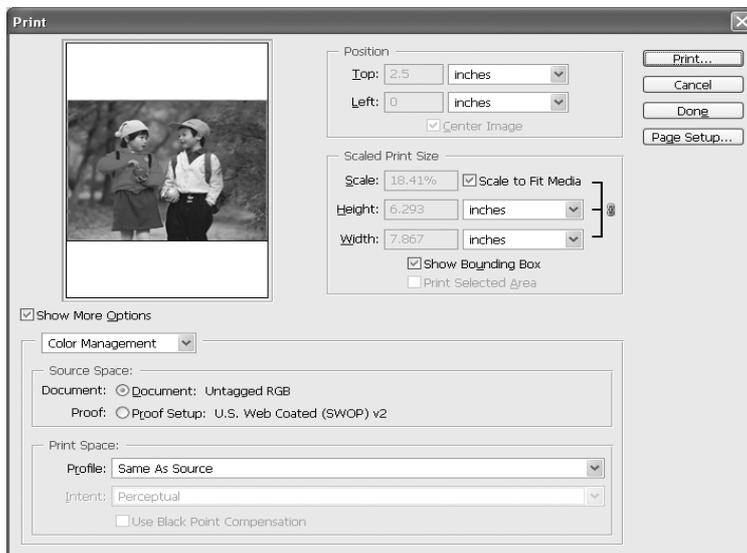
When using this function with an application which does not support a color management function, you need to perform the color matching process after step 4.

The following procedures are for Adobe Photoshop CS running on Windows XP.

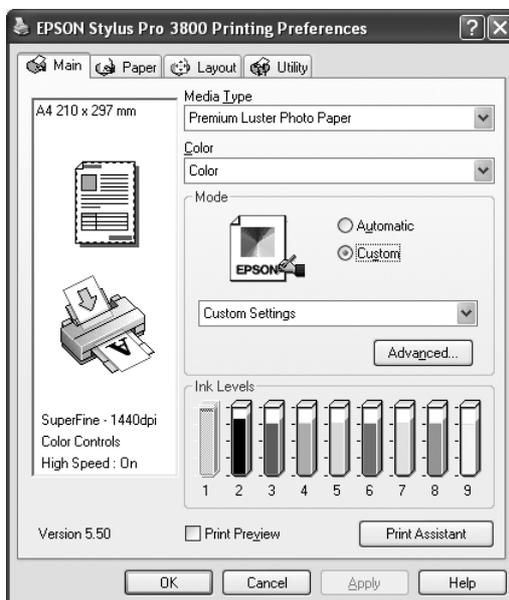
1. Run Adobe Photoshop CS.
2. From the File menu, select **Print with Preview**.
Select the **Show More Options** check box.



3. Select **Color Management**, and select **Document** for the Source Space. Select **Same As Source** for the Profile. Then click **Done**.

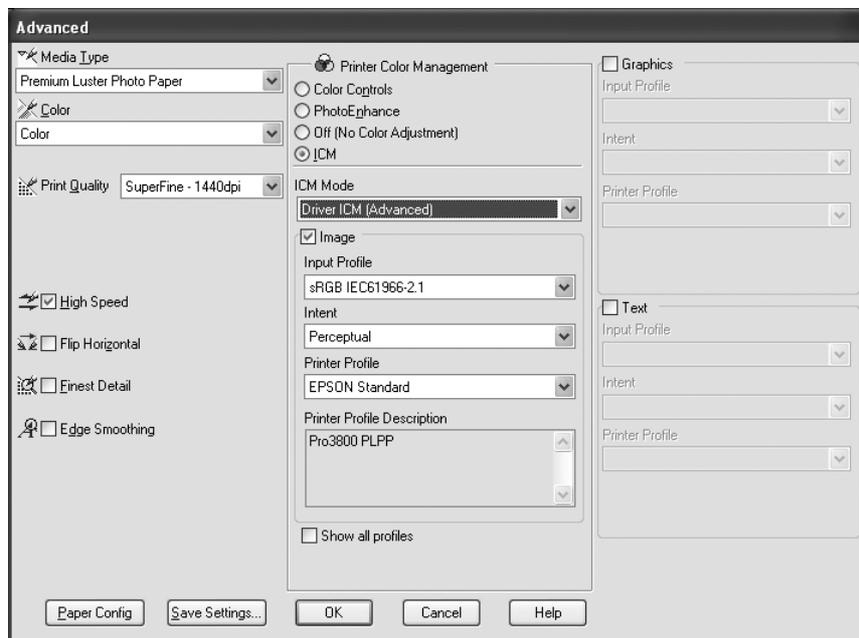


4. From the File menu, select **Print**.
Select the target printer, and then click **Properties**.
5. Select **Custom** for the Mode, and then click the **Advanced** button.



6. Select **ICM** for the Printer Color Management. Select **Driver ICM (Basic)** or **Driver ICM (Advanced)** for the ICM Mode.

For more detailed information, see "ICM" on page 25.



7. Make other settings, if necessary. Then click **OK**.

Color management by Host ICM or ColorSync

The color management of the operating system is performed by the printer driver. Image data needs color management to be performed according to the system or input equipment.



Caution:

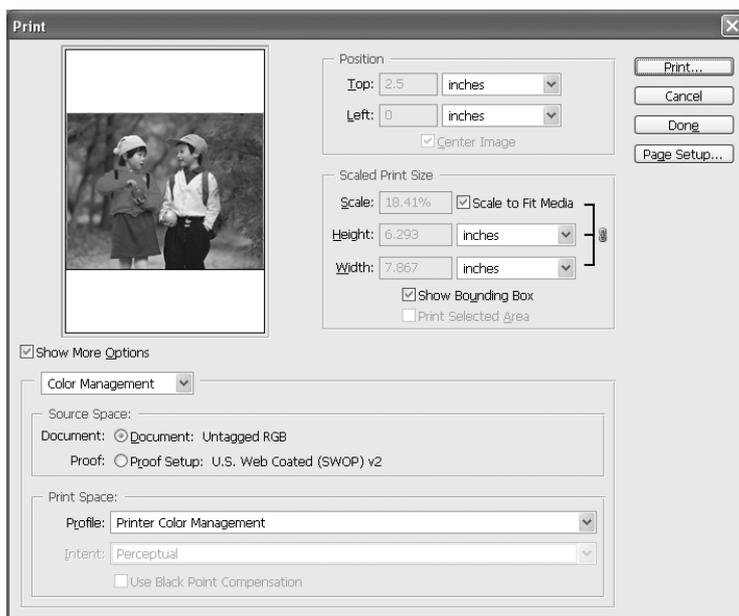
- ❑ Use image data in which an input profile has been embedded.
- ❑ The application needs to support ICM or ColorSync.

1. Run Adobe Photoshop CS.

- From the File menu, select **Print with Preview**.
Select the **Show More Options** check box.

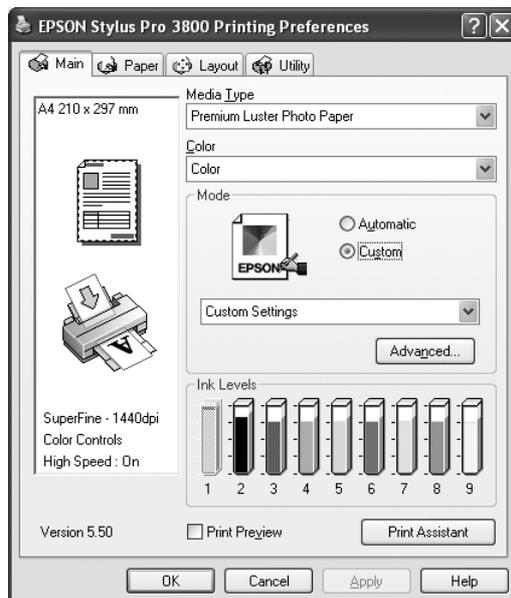


- Select **Color Management**, and then select **Document** for the Source Space. Select **Printer Color Management** for the Profile. Then click **Done**.



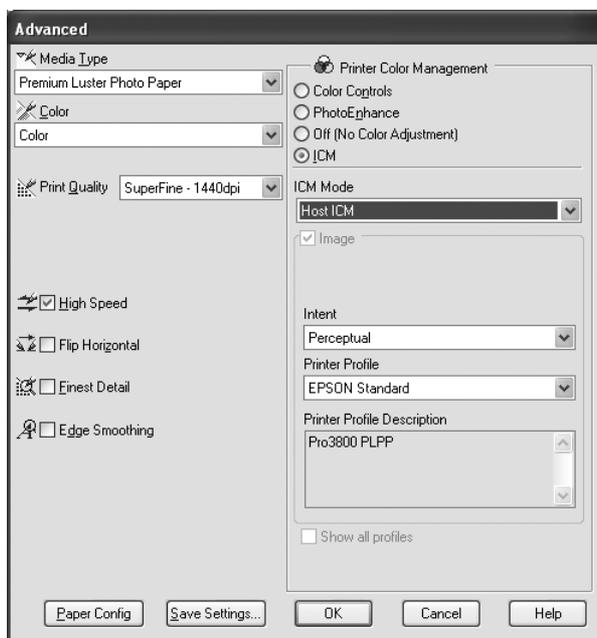
- From the File menu, select **Print**.
For Windows users, select the target printer, and then click **Properties**.

5. Select **Custom** for the Mode, and then click the **Advanced** button.



6. Select **ICM** (Windows) or **ColorSync** (Mac OS) for the Printer Color Management. If you are using Windows XP x64, XP, or 2000, select **Host ICM** for the ICM Mode.

In this case, the ICC profile that has been set by the application is set for the Input Profile. For the Printer Profile, the ICC profile that corresponds to the paper is automatically set.



7. Make other settings, if necessary. Then click **OK**.

Color management by application

If you use an application that supports a color management system, the input profile of printing image data and the printer profile are managed by the application.

In this case, you need to select **Off (No Color Adjustment)** for the Printer Color Management in the printer driver.

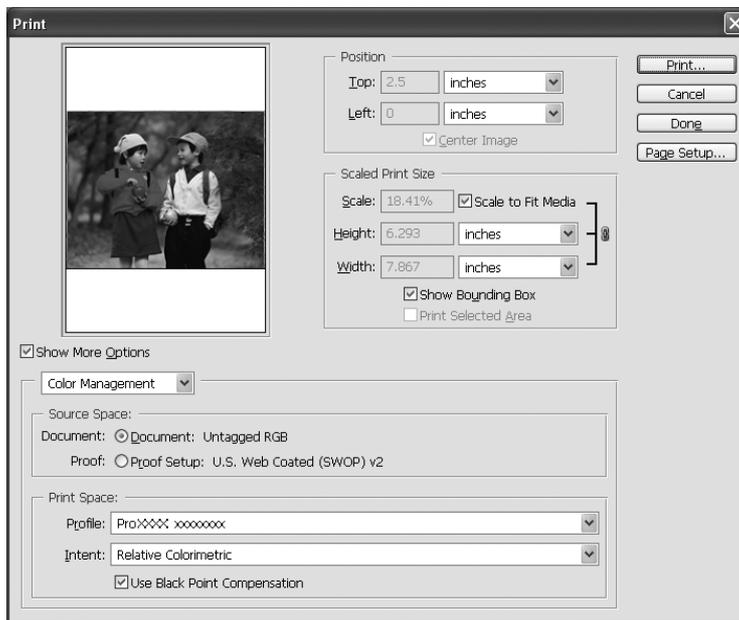
Since neither ColorSync of Mac OS nor ICM of Windows is used as a color management system, a difference may not appear in a printing result between operating systems. Refer to the application's user manual for details of the settings.

The basic procedures are as follows.

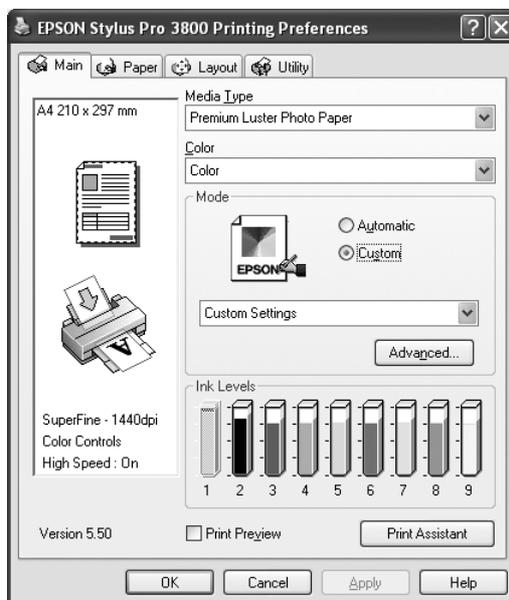
1. Set the input profile of image data and the printer profile with the application.
2. Select **Off (No Color Adjustment)** for the Printer Color Management in the printer driver.
3. Run Adobe Photoshop CS.
4. From the File menu, select **Print with Preview**.
Select the **Show More Options** check box.



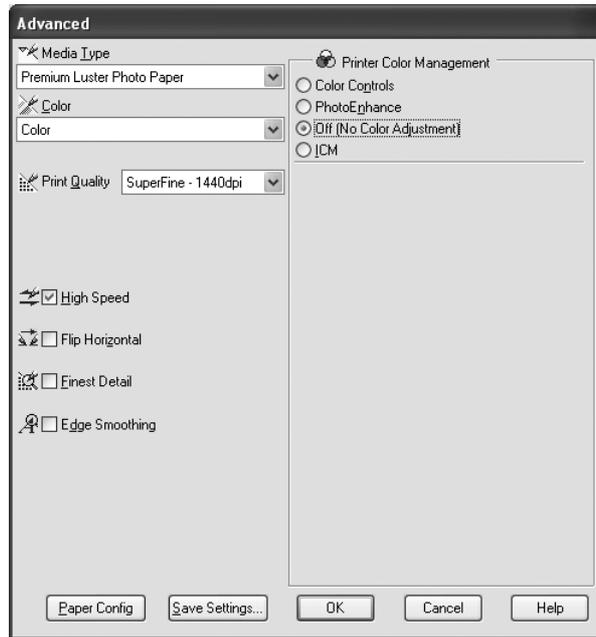
5. Select **Color Management**, and select **Document** for the Source Space. Select the profile of the paper and the intent. Then click **Done**.



6. From the File menu, select **Print**.
For Windows users, select the target printer, and then click **Properties**.
7. Select **Custom** for the Mode, and then click the **Advanced** button.



8. Select **Off (No Color Adjustment)** for the Printer Color Management.



9. Make other settings, if necessary. Then click **OK**.

Paper Information

Epson offers specially designed media for ink jet printers to meet most high-quality printing needs.

See “Epson Special Media” on page 191 for more detailed information on the Epson special media.

Paper settings

Media Name	Borderless Printing	ICC Profile
Premium Glossy Photo Paper	Supported	Pro38 PGPP.icc
Premium Luster Photo Paper	Supported	Pro38 PLPP.icc
Premium Semigloss Photo Paper	Supported	Pro38 PSPP.icc
EPSON Proofing Paper Semimatte (Commercial)	Not supported	Pro38 PPSmC.icc
Archival Matte Paper Enhanced Matte Paper	Supported	Pro38 ARMP.icc Pro38 EMP.icc
Photo Quality Ink Jet Paper	Not supported	Pro38 PQIJP_MK.icc
Singleweight Matte Paper	Supported	Pro38 SWMP.icc
Velvet Fine Art Paper	Supported	Pro38 VFAP.icc
UltraSmooth Fine Art Paper	Supported	Pro38 USFAP.icc
Watercolor Paper-Radiant White	Supported	Pro38 WCRW.icc

Technical Support Web Site

The Web site below provides the latest information for latest printer driver, firmware, and consumables for your printer. If you have a Web browser and can connect to the Internet, access the site at:

http://support.epson.net/index.htm?product=Stylus_Pro_3800

Contacting Customer Support

Before Contacting Epson

If your Epson product is not operating properly and you cannot solve the problem using the troubleshooting information in your product documentation, contact customer support services for assistance. If customer support for your area is not listed below, contact the dealer where you purchased your product.

Customer support will be able to help you much more quickly if you give them the following information:

- Product serial number
(The serial number label is usually on the back of the product.)
- Product model
- Product software version
(Click **About**, **Version Info**, or similar button in the product software.)
- Brand and model of your computer
- Your computer operating system name and version
- Names and versions of the software applications you normally use with your product

Help for Users in North America

Epson provides the technical support services listed below.

Internet Support

Visit Epson's support website at <http://support.epson.com> 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

Dial: (562) 276-1300 (U.S.), or (905) 709-9475 (Canada), 6 am to 6 pm, Pacific Time, Monday through Friday. Toll or long distance charges may apply.

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

- Product name
- Product serial number
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

Note:

For help using any other software on your system, see the documentation for that software for technical support information.

Purchase Supplies and Accessories

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

Help for Users in Europe

Check your **Pan-European Warranty Document** for information on how to contact EPSON Customer support.

Help for Users in Australia

Epson Australia wishes to provide you with a high level of customer service. In addition to your product documentation, we provide the following sources for obtaining information:

Your Dealer

Don't forget that your dealer can often help identify and resolve problems. The dealer should always be the first call for advise on problems; they can often solve problems quickly and easily as well as give advise on the next step to take.

Internet URL <http://www.epson.com.au>

Access the Epson Australia World Wide Web pages. Worth taking your modem here for the occasional surf! The site provides a download area for drivers, Epson contact points, new product information and technical support (e-mail).

Epson Helpdesk

Epson Helpdesk is provided as a final backup to make sure our clients have access to advice. Operators on the Helpdesk can aid you in installing, configuring and operating your Epson product. Our Pre-sales Helpdesk staff can provide literature on new Epson products and advise where the nearest dealer or service agent is located. Many types of queries are answered here.

The Helpdesk numbers are:

Phone: 1300 361 054

Fax: (02) 8899 3789

We encourage you to have all the relevant information on hand when you ring. The more information you prepare, the faster we can help solve the problem. This information includes your Epson product documentation, type of computer, operating system, application programs, and any information you feel is required.

Help for Users in Singapore

Sources of information, support, and services available from Epson Singapore are:

World Wide Web (<http://www.epson.com.sg>)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), Sales Enquiries, and Technical Support via e-mail are available.

Epson HelpDesk (Phone: (65) 6586 3111)

Our HelpDesk team can help you with the following over the phone:

- Sales enquiries and product information
- Product usage questions or problem
- Enquiries on repair service and warranty

Help for Users in Thailand

Contact for information, support, and services are:

World Wide Web (<http://www.epson.co.th>)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), and e-mail are available.

Epson Hotline (Phone: (66)2-670-0333)

Our Hotline team can help you with the following over the phone:

- Sales enquiries and product information
- Product usage questions or problem
- Enquiries on repair service and warranty

Help for Users in Vietnam

Contacts for information, support, and services are:

Epson Hotline (Phone): 84-8-823-9239

Service Center: 80 Truong Dinh Street, District 1, Hochiminh City Vietnam

Help for Users in Indonesia

Contacts for information, support, and services are:

World Wide Web (<http://www.epson.co.id>)

- Information on product specifications, drivers for download
- Frequently Asked Questions (FAQ), Sales Enquiries, questions through e-mail

Epson Hotline

- ❑ Sales enquiries and product information
- ❑ Technical support

Phone (62) 21-572 4350

Fax (62) 21-572 4357

Epson Service Center

Jakarta Mangga Dua Mall 3rd floor No 3A/B
 Jl. Arteri Mangga Dua,
 Jakarta
 Phone/Fax: (62) 21-62301104

Bandung Lippo Center 8th floor
 Jl. Gatot Subroto No.2
 Bandung
 Phone/Fax: (62) 22-7303766

Surabaya Hitech Mall It IIB No. 12
 Jl. Kusuma Bangsa 116 – 118
 Surabaya
 Phone: (62) 31-5355035
 Fax: (62)31-5477837

Yogyakarta Hotel Natour Garuda
 Jl. Malioboro No. 60
 Yogyakarta
 Phone: (62) 274-565478

Medan Wisma HSBC 4th floor
 Jl. Diponegoro No. 11
 Medan
 Phone/Fax: (62) 61-4516173

Makassar MTC Karebosi Lt. III Kav. P7-8
 Jl. Ahmad Yani No.49
 Makassar
 Phone: (62)411-350147/411-350148

Help for Users in Hong Kong

To obtain technical support as well as other after-sales services, users are welcome to contact Epson Hong Kong Limited.

Internet Home Page

Epson Hong Kong has established a local home page in both Chinese and English on the Internet to provide users with the following information:

- Product information
- Answers to Frequently Asked Questions (FAQs)
- Latest versions of Epson product drivers

Users can access our World Wide Web home page at:

<http://www.epson.com.hk>

Technical Support Hotline

You can also contact our technical staff at the following telephone and fax numbers:

Phone: (852) 2827-8911

Fax: (852) 2827-4383

Help for Users in Malaysia

Contacts for information, support, and services are:

World Wide Web (<http://www.epson.com.my>)

- Information on product specifications, drivers for download
- Frequently Asked Questions (FAQ), Sales Enquiries, questions through e-mail

Epson Trading (M) Sdn. Bhd.

Head Office.

Phone: 603-56288288

Fax: 603-56288388/399

Epson Helpdesk

- Sales enquiries and product information (Infoline)

Phone: 603-56288222

- Enquiries on repair services & warranty, product usage and technical support (Techline)

Phone: 603-56288333

Help for Users in India

Contacts for information, support, and services are:

World Wide Web (<http://www.epson.co.in>)

Information on product specifications, drivers for download, and products enquiry are available.

Epson India Head Office - Bangalore:

Phone: 30515000

Fax: 30515005/30515078

Epson India Regional Offices:

Mumbai	Phone: 28261516-17 Fax: 28257287
Delhi	Phone: 26447201/02/03/04/07/09 Fax: 26447205
Chennai	Phone: 28203940/41 -- 28218658/59 Fax: 28272463
Kolkata	Phone: 22831589/90 Fax: 22831591
Hyderabad	Phone: 55331738/39 Fax: 55328633
Cochin	Phone: 2357638/2356652 Fax: 2357950

Pune	Phone: 24335460/90 Ext 214 Fax: 24330881
Ahmedabad	Phone: 26407176/77 Fax: 26407347

Toll Free Telephone Support

To learn more about Epson products or to avail service support, please call 1600 440011. This is a toll-free number and can be accessed (9 A.M to 9 P.M) anywhere in the country.

Help for Users in the Philippines

To obtain technical support as well as other after sales services, users are welcome to contact the Epson Philippines Corporation at the telephone and fax numbers and e-mail address below:

Phone: (63) 2-813-6567
Fax: (63) 2-813-6545
E-mail: epchelpdesk@epc.epson.com.ph

World Wide Web (<http://www.epson.com.ph>)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), and E-mail Enquiries are available.

Epson Helpdesk (Phone: (63) 2-813-6567)

Our Hotline team can help you with the following over the phone:

- Sales enquiries and product information
- Product usage questions or problems
- Enquiries on repair service and warranty

Chapter 7

Product Information

Printer Specifications

Printing

Printing method	On-demand ink jet
Nozzle configuration	Black: 180 nozzles × 3 (Photo Black or Matte Black, Light Black, Light Light Black)
	Color: 180 nozzles × 5 (Cyan, Magenta, Light Cyan, Light Magenta, Yellow)

Character mode	Character Pitch	Printing Column
	10 cpi*	167

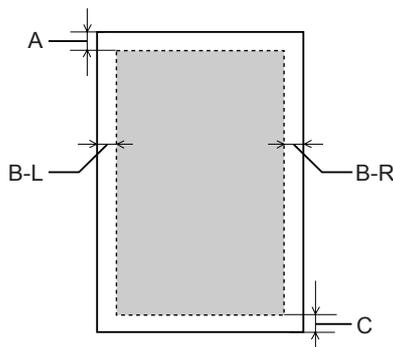
* characters per inch

Raster graphic mode	Horizontal resolution	Printable width	Available dots
	360 dpi*	441.8 mm (17.39 inches)	6262
	720 dpi	441.8 mm (17.39 inches)	12524
	1440 dpi	441.8 mm (17.39 inches)	25047
	2880 dpi	441.8 mm (17.39 inches)	50094

* dots per inch

Resolution	Maximum 2880 × 1440 dpi
Print direction	Bidirectional
Control code	ESC/P Raster
RAM	64 MB
Character tables	PC 437 (US, Standard Europe) PC 850 (Multilingual)
Character sets	EPSON Courier 10 cpi

Printable area



A	Cut sheets	The minimum top margin is 3.0 mm (0.12")
B-L	Cut sheets	The minimum left margin is 3.0 mm (0.12")
B-R	Cut sheets	The minimum right margin is 3.0 mm (0.12")
C	Cut sheets	The minimum bottom margin is 3.0 mm (0.12")

Note:

- The printer automatically detects the dimensions of the paper that is loaded. Print data that exceeds the printable area of the paper cannot be printed.
- When you use the front manual feed slot for printing, the top and bottom margins are always 20 mm.
- All four margins are set to 0 mm for the borderless printing.

Mechanical

Paper feed method	Friction
Paper path	Auto Sheet Feeder, front manual insertion, rear manual insertion
Dimensions	Width: 684 mm (27.36 inches) Depth: 376 mm (14.88 inches) Height: 257 mm (10.28 inches)
Weight	Approx. 19.6 kg (43.2 lb) with consumables

Electrical

	100-120 V Model	220-240 V Model
Input voltage range	90 to 132 V	198 to 264 V
Rated frequency range	50 to 60 Hz	50 to 60 Hz
Input frequency range	49.5 to 60.5 Hz	49.5 to 60.5 Hz
Rated current	0.6 A	0.3 A
Power consumption	Approx. 25 W Approx. 5 W in Low-power mode Approx. 0.3 W in Power off mode	Approx. 25 W Approx. 5.5 W in Low-power mode Approx. 0.4 W in Power off mode

Note:

Check the label on the back of the printer for voltage information.

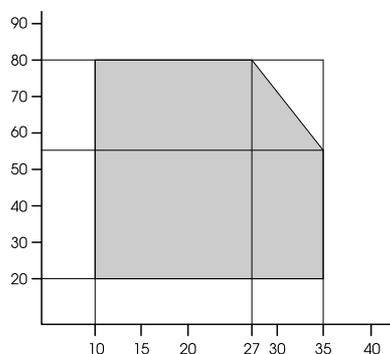
Environmental

Temperature	Operation	10 to 35°C (50 to 95°F)
	Print Quality Guarantee	15 to 25°C (59 to 77°F)
	Storage	-20 to 40°C (-4 to 104°F)
Humidity	Operation	20 to 80% RH*
	Print Quality Guarantee	40 to 60% RH*
	Storage	5 to 85% RH**

* Without condensation

** Stored in shipping container

Operational conditions (temperature and humidity):



Initialization

Hardware initialization at power on	The printer mechanism is set to its initial state.
	The input data buffer and print buffer are cleared.
	The printer returns to the default condition last set.
Software initialization when the ESC@ (initialize the printer) command is received	The print buffer is cleared.
	The printer returns to the default condition last set.
Panel button initialization by pressing the Cancel/Reset button on the control panel for 3 seconds, or SoftReset is specified from USB	Print head capping occurs.
	Paper is ejected, if any.
	The input data buffer and print buffer are cleared.
	The printer returns to the default condition last set.

Standards and Approvals

Safety	UL 60950-1	
	CSA 22.2 No. 60950-1	
	Low Voltage Directive 73/23/EEC	EN 60950-1
EMC	FCC part 15 subpart B class B	
	CSA C108.8 class B	
	AS/NZS CISPR 22 Class B	
	EMC Directive 89/336/ECC	EN 55022 Class B
		EN 55024
		EN 61000-3-2
		EN 61000-3-3

Paper

Size	Letter (8.5 × 11 inches, 215.9 × 279.4 mm)
	Legal (8.5 × 14 inches, 215.9 × 356 mm)
	Half Letter (5.5 × 8.5 inches, 139.5 × 215.9 mm)
	US B (11 × 17 inches, 279.4 × 431.8 mm)
	US C (17 × 22 inches, 431.8 × 558.8 mm)
	A6 (105 × 148 mm)
	A5 (148 × 210 mm)
	A4 (210 × 297 mm)
	A3 (297 × 420 mm)
	Super A3/B (329 × 483 mm)
	A2 (420 × 594 mm)
	B5 (182 × 257 mm)
	B4 (257 × 364 mm)
	B3 (364 × 514 mm)
	3.5 × 5 inches, 89 × 127mm
	4 × 6 inches, 102 × 152 mm
	5 × 7 inches, 127 × 178 mm
	16:9 wide size (102 × 181 mm)
	8 × 10 inches, 203 × 254 mm
	10 × 12 inches, 254 × 305 mm
11 × 14 inches, 279 × 356 mm	
12 × 12 inches, 305 × 305 mm	
16 × 20 inches, 406 × 508 mm	
Paper types	Plain paper, special papers distributed by Epson

Note:

- ❑ *Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, Epson cannot attest to the quality of any non-Epson brand or type of paper. Always test samples of paper before purchasing large quantities or printing large jobs.*
- ❑ *Poor quality paper may reduce print quality and cause paper jams or other problems. If you encounter problems, switch to a higher grade of paper.*
- ❑ *When the paper is curled or folded, flatten them before loading.*

Ink cartridges

Colors	Photo Black	
	Matte Black	
	Light Black	
	Light Light Black	
	Cyan	
	Magenta	
	Yellow	
	Light Cyan	
	Light Magenta	
Cartridge life	2 years from production date if unopened.	
	Within 6 months after opening package.	
Temperature	Storage (uninstalled)	-20 to 40°C (-4 to 104°F)
		1 month at 40°C (104°F)
	Storage (installed)	-20 to 40°C (-4 to 104°F)
		1 month at 40°C (104°F)
Capacity	80 ml	
Dimensions	30.1 mm (W) × 93.4 mm (D) × 70.2mm (H)	

Note:

- ❑ *The ink cartridges packaged with your printer are partly used during initial setup. In order to produce high quality printouts, the print head in your printer will be fully charged with ink. This one-off process consumes a quantity of ink and subsequent cartridge sets will last for their full rated life.*
- ❑ *Quoted yields may vary depending on the images that you are printing, the paper type that you are using, the frequency of your prints and environmental conditions such as temperature.*
- ❑ *To ensure you receive premium print quality and to help protect your print head, a variable ink safety reserve remains in the cartridge when your printer indicates to replace the cartridge. The yields quoted for you do not include this reserve.*

System Requirements

To use your printer with Windows

Your computer should meet the following system requirements:

Minimum system
Pentium 4.1.4 MHz or higher processor for Windows XP x64, XP, and 2000
256 MB RAM or more
8 GB or more free hard disk space
VGA monitor

Your computer dealer can help you update your system if it does not meet these requirements.

To use your printer with Mac OS X

Your computer should meet the following system requirements:

Minimum system
PowerPC G4 867 MHz or higher processor
PowerPC-based Macintosh computers running Mac OS X 10.2.8 or later Intel-based Macintosh computers with Rosetta
256 MB or more available memory
3 GB or more free disk space

Note:

To see how much memory is available, choose **About this Mac** from the Apple menu.

Interface Specifications

Your printer is equipped with a USB interface and an Ethernet interface.

USB interface

The printer's built-in USB interface is based on the standards specified in the Universal Serial Bus Specifications Revision 2.0, the Universal Serial Bus Specification Revision 1.1, and the Universal Serial Bus Device Class Definition for Printing Devices Version 1.1. This interface has the following characteristics.

Standard	Based on Universal Serial Bus Specifications Revision 2.0, Universal Serial Bus Specification Revision 1.1, Universal Serial Bus Device Class Definition for Printing Devices Version 1.1
Bit rate	480 Mbps (High Speed Mode) 12 Mbps (Full Speed Device)
Data encoding	NRZI
Adaptable connector	USB Series B

Note:

Only computer equipped with a USB connector and running Windows XP x 64, XP, 2000, or Mac OS X.10.x support the USB interface.

Ethernet interface

The printer has a built-in Ethernet interface. Use a 10Base-T and 100Base-TX STP (shielded twisted-pair) cable via the RJ-45 connector to connect to the network.

Chapter 8

Options and Consumable Products

Consumable Products

The following consumable products are available for use with your printer.

Maintenance cartridge

The Maintenance cartridge absorbs discharged liquid. If it becomes full, you need to replace it. See “Replacing the Maintenance Cartridge” on page 138.

Maintenance cartridge	T5820
-----------------------	-------

Ink cartridges

To replace ink cartridges, see “Replacing Ink Cartridges” on page 133.

Note:

The product number varies by country.

Ink cartridge (Photo Black)	T5801	T5811	T5891
Ink cartridge (Cyan)	T5802	T5812	T5892
Ink cartridge (Magenta)	T5803	T5813	T5893
Ink cartridge (Yellow)	T5804	T5814	T5894
Ink cartridge (Light Cyan)	T5805	T5815	T5895
Ink Cartridge (Light Magenta)	T5806	T5816	T5896
Ink cartridge (Light Black)	T5807	T5817	T5897
Ink cartridge (Matte Black)	T5808	T5818	T5898
Ink cartridge (Light Light Black)	T5809	T5819	T5899

Epson Special Media

Most plain paper works well in your printer. In addition, Epson offers specially designed media for ink jet printers to meet most high-quality printing needs.

Note:

- ❑ *The availability of special media varies by country.*
- ❑ *The names of some special media vary by country. Use the product number to confirm the type of special media you need or have.*
- ❑ *For the latest information on media available in your area, contact Epson customer support web site. See "Contacting Customer Support" on page 174.*

Cut sheets

Media Name	Size	Recommended Application
Premium Glossy Photo Paper	3R (89 × 127 mm)	Photo
	5 × 7 in	
	8 × 10 in	
	4 × 6 in	
	11 × 14 in	
	LTR	
	A4	
	A3	
	Super A3/B	
	A2	
Premium Luster Photo Paper	US C	
	LTR	
	A3	
	Super A3/B	
	US C	

Premium Semigloss Photo Paper	4 × 6 in	
	A4	
	LTR	
	A3	
	Super A3/B	
	A2	
EPSON Proofing Paper Semimatte (Commercial)	Super A3/B	Contract Proofing
Archival Matte Paper Enhanced Matte Paper	LTR	POP 3D CAD/GIS Photo/Fine Art
	A4	
	A3	
	Super A3/B	
	A2	
	US C	
Photo Quality Ink Jet Paper	LTR	POP 2D CAD/GIS Imposition Proofing
	A4	
	LGL	
	US B	
Singleweight Matte Paper	Super A3/B	
	A2	
	US C	
Velvet Fine Art Paper	LTR	Photo/Fine Art
	Super A3/B	
	A2	
	US C	
UltraSmooth Fine Art Paper	Super A3/B	
	A2	
	US-C	
Watercolor Paper-Radiant White	Super A3/B	

Safety Instructions

Important Safety Instructions

Read all of these instructions before using this product. Also be sure to follow all warnings and instructions marked on the printer.

When choosing a place for this product

- Place this product on a flat, stable surface that is larger than this product. This product will not operate properly if it is tilted or at an angle.
- Avoid places subject to rapid changes in temperature and humidity. Also keep it away from direct sunlight, strong light, or heat sources.
- Avoid places subject to shocks and vibrations.
- Keep this product away from dusty areas.
- Place this product near a wall outlet where the plug can be easily unplugged.

When setting up this product

- Do not block or cover the openings in this product's cabinet.
- Do not insert objects through the slots. Take care not to spill liquid on this product.
- This product's power cord is for use with this product only. Use with other equipment may result in fire or electric shock.
- 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.
- Avoid electrical outlets controlled by wall switches or automatic timers.
- Keep the entire computer system away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.
- Use only the type of power source indicated on the product's label.

- Use only the power cord that comes with this product. Use of another cord may result in fire or electric shock.
- Do not use a damaged or frayed power cord.
- If you use an extension cord with this product, 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 wall outlet's ampere rating.
- Do not attempt to service this product yourself.
- Unplug this product and refer servicing to qualified service personnel under the following conditions:

The power cord or plug is damaged; liquid has entered the product; the product has been dropped or the cabinet damaged; the product does not operate normally or exhibits a distinct change in performance.

- If you plan to use the printer in Germany, observe the following:

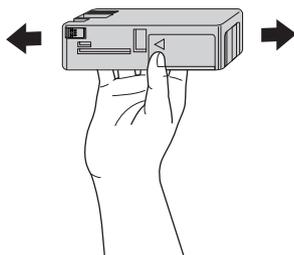
To provide adequate short-circuit protection and over-current protection for this printer, the building installation must be protected by a 10 or 16 amp circuit breaker.

When using this product

- Do not put your hand inside this product or touch the ink cartridges during printing.
- Do not move the print heads by hand; otherwise you may damage this product.
- Always turn the product off using the **Power** button on the control panel. When this button is pressed, the **Power** light flashes briefly then goes off. Do not unplug the power cord or turn off the product until the **Power** light stops flashing.

When handling the ink cartridges

- Keep ink cartridges out of the reach of children and do not drink.
- If ink gets on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Shake the ink cartridge well before installing it for best results.

**Caution:**

Do not shake cartridges (that have been installed previously) with too much force.

- Do not use an ink cartridge beyond the date printed on the cartridge carton.
- Use up the ink cartridge within six months of installation for best results.
- Do not dismantle the ink cartridges or try to refill them. This could damage the print head.
- Store ink cartridges in a cool, dark place.
- 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.
- Do not touch the green IC chip on the side of the cartridge. This may affect normal operation and printing.
- The IC chip on this ink cartridge retains a variety of cartridge related-information, such as the ink cartridge status, so that the cartridge may be removed and reinserted freely. However, each time the cartridge is inserted, some ink is consumed because the printer automatically performs a reliability check.
- 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 this product. 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 supply port or surrounding area.

When transporting this product

- Before transporting the printer, make sure the print heads are in the home (far right) position.

Warning, Cautions, and Notes



Warnings

must be followed carefully to avoid bodily injury.



Cautions

must be observed to avoid damage to your equipment.

Notes

contain important information and useful tips on the operation of this printer.

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