



# Epson Stylus® Pro 3880

# User's Guide

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NPD4043-00 EN

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## Chapter 1

# Using the Printer Software (Windows)

## Printer Software Introduction

The printer software CD-ROM includes the following software. See the *Start Here* for installing the software, and see its online help for detailed information for each software.

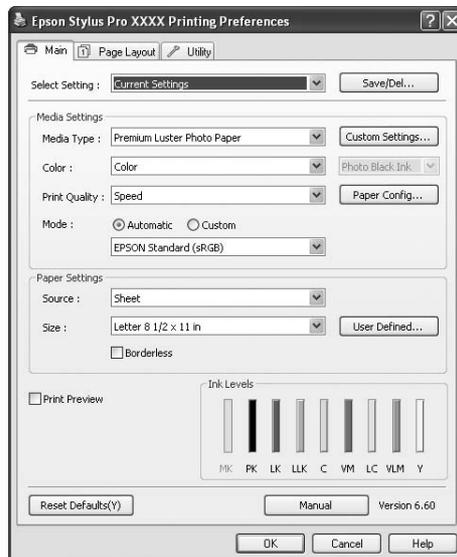
- Printer driver
- EPSON Status Monitor 3
- EPSON LFP Remote Panel

## Printer driver

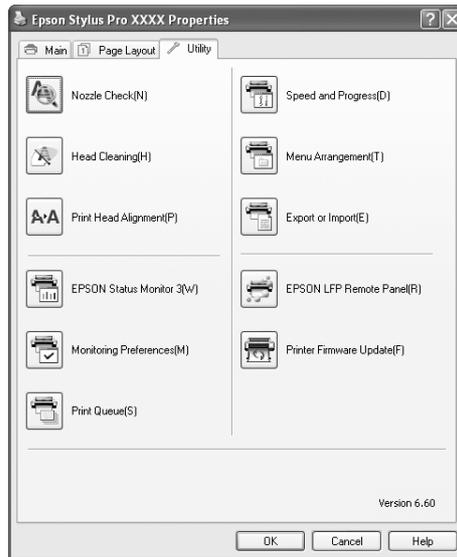
The printer driver lets you print documents from applications to the printer.

The following are the main functions of the printer driver:

- Sends the print data to the printer.
- Makes the printer settings, such as the media type, paper size. You can register these settings, and you can also easily import or export these registered settings.

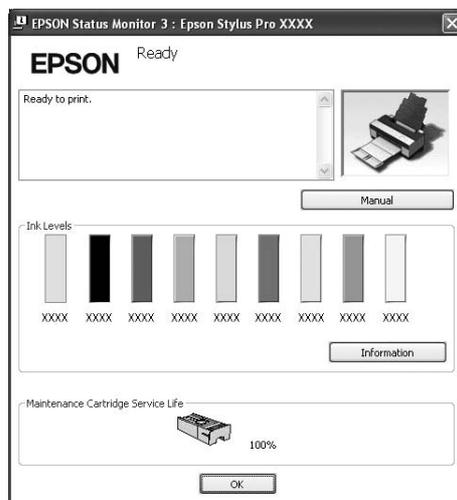


- ❑ Executes the printer maintenance functions and sets the operation of the printer driver in the **Utility** tab. You can also import or export printer settings.



### 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. EPSON Status Monitor 3 is installed with the printer driver automatically.



## ***EPSON LFP Remote Panel***

EPSON LFP Remote Panel gives the user a broad range of control over the printer, to obtain better print quality in printing on various media.



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## ***Accessing the Printer Driver***

You can access the printer driver in the following ways:

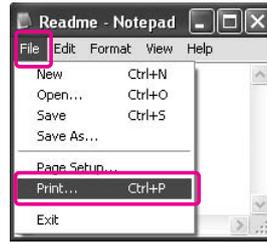
- From Windows applications
- From the Printer icon

### ***From Windows applications***

Access the printer driver from your application when you make the print settings.

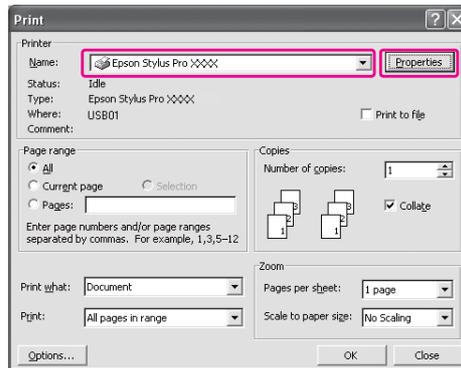
The following procedures may differ depending on the application you use.

1. From the File menu, select **Print** or **Page Setup**.

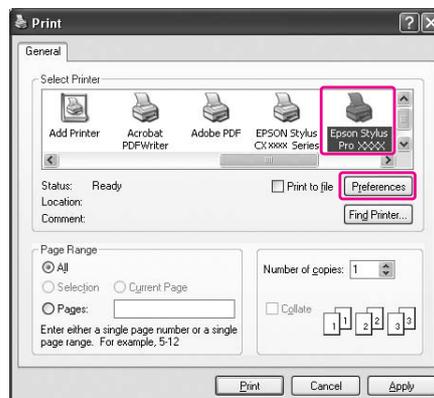


2. Make sure your printer is selected, and click **Printer, Setup, Options, Properties, or Preferences**.

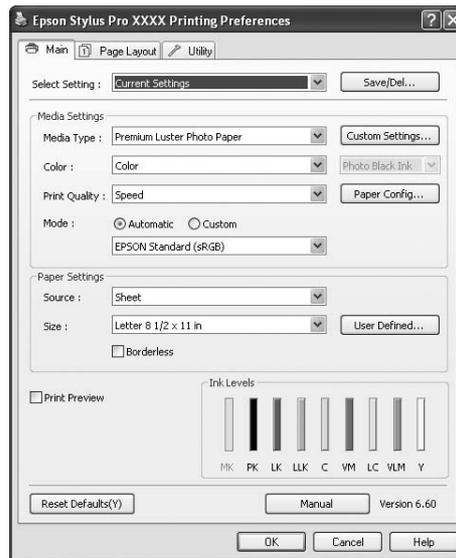
Example:



Example:



The printer driver window appears.



Make the settings as necessary, and then start printing.

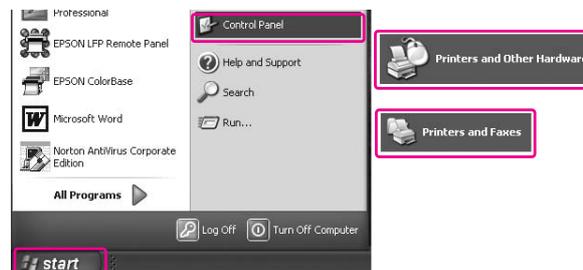
## From the Printer icon

When you make common settings or perform printer maintenance, such as Nozzle Check, Head Cleaning, access the printer driver from the Printer icon.

1. Open the **Printers and Faxes** or **Printers** folder.

For Windows XP:

Click **Start**, click **Control Panel**, and then click **Printers and Faxes**.



### Note:

If your Control Panel is in the Classic View, click **Start**, click **Control Panel**, and then click **Printers and Faxes**.

For Windows Vista:

Click , click **Control Panel**, click **Hardware and Sound**, and then click **Printers**.

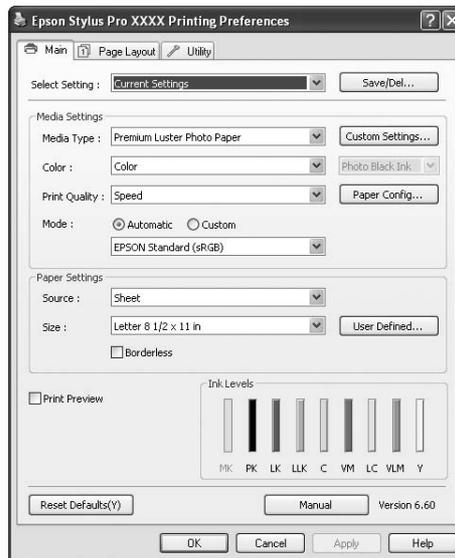
For Windows 2000:

Click **Start**, point to **Settings**, and then select **Printers**.

2. Right-click your printer icon, and click **Printing Preferences**.



The printer driver window appears.

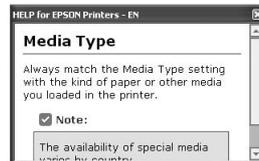
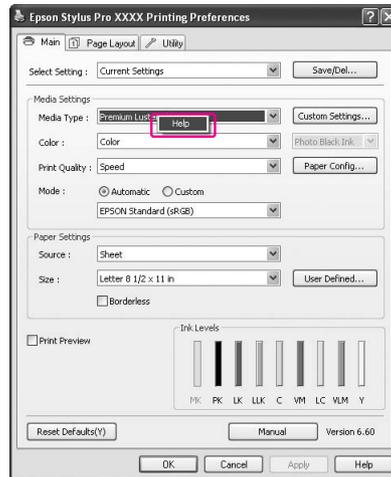


The settings you make here become the default settings of the printer driver.

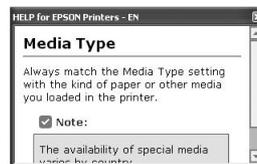
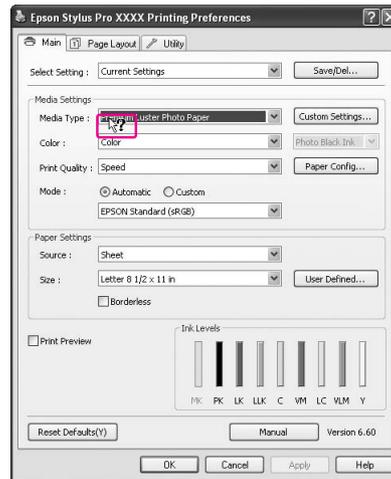
## Getting Information Through Online Help

You can view a detailed explanation using the following ways.

- ❑ Right-click the item, and then click **Help**.



- ❑ For Windows XP/2000, click the  button on the top right of the printer driver window, and then click the item.



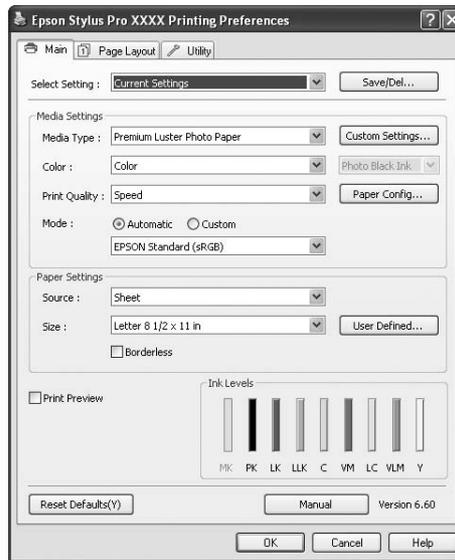
## Basic Settings

This section describes how to print your data from an application using the Epson printer driver.

## Setting the printer driver

First, make the print data using the application software.

Before printing, open the printer driver window, and confirm the print settings such as the media type, paper size.

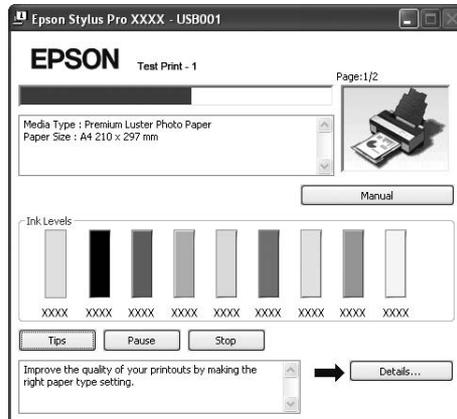


## Checking the printer status

When you send a print job to the printer, you can monitor the printer status in the following windows.

## Progress Meter

The Progress Meter appears on your display when you start printing. It indicates the progress of the current print job and provides printer status information such as ink remaining and product number of the ink cartridges. Also, you can cancel a print job using Progress Meter.



## Print queue window

You can check a list of all jobs waiting and its information, and also you can cancel print jobs. The print queue window appears when you double-click the printer icon on the task bar. This is a function of the Windows operating system.



## Canceling printing

You can cancel a print job waiting from the computer. If the printing is already started, you need to cancel printing by the printer.

### Canceling printing by the printer

Press and hold the **Cancel/Reset**  button for 3 seconds to reset the printer.

Even when it is printing a job, the printer is reset. After resetting, it takes a while before the printer is in the ready state.

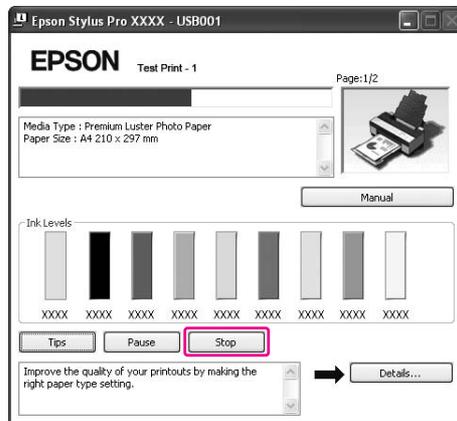
**Note:**

You cannot cancel a job waiting in the computer. To cancel a job waiting in the computer, see the next section “Canceling printing by the computer” on page 19.

## Canceling printing by the computer

### Canceling printing

Click **Stop** on the EPSON Progress Meter dialog box.

**Note:**

- The Progress Meter shows the progress of the current print job. It disappears when the job has been sent to the printer.
- You cannot cancel a print job that has been sent to the printer. In this case, cancel the print job by the printer.

### Deleting a print job waiting

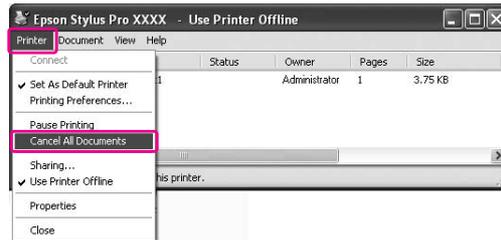
You can delete the jobs waiting stored in the computer.

1. Double-click the printer icon on the task bar.



2. From the Printer menu, select **Cancel all documents**.

If you want to delete a specific job, select the job and select **Cancel** from the Document menu.



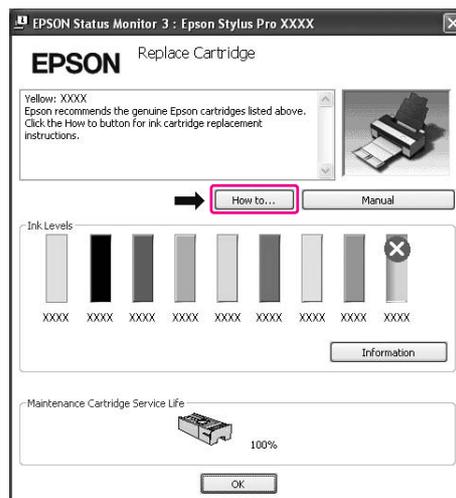
**Note:**

- The print queue window shows the progress of each print job. Print job disappears when the job has been sent to the printer.
- You cannot cancel a print job that has been sent to the printer. In this case, cancel the print job by the printer.

## When problem occurs during printing

If a problem occurs during printing, an error message appears in the EPSON Status Monitor 3 window.

Click **How to**, and EPSON Status Monitor 3 will lead you step by step through a procedure to solve a problem.



## Using the Printer Utilities

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



### Nozzle Check

This utility checks the print head nozzles to see if they are clogged and need to be cleaned. Check the nozzles when you notice the print quality has declined and after cleaning to confirm that the print head nozzles have been cleaned. If the print head nozzles are clogged, perform head cleaning.

### Head Cleaning

This utility cleans the color and black print heads. You may need to clean the print head if you notice the print quality has declined.

#### **Note:**

*The cleaning process consumes ink of all ink cartridges at the same time. Even if you are using only black inks, the head cleaning also consumes color inks.*

### 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.

### **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. See “Using EPSON Status Monitor 3” on page 23.

### **Monitoring Preferences**

This function lets you specify the monitoring feature of EPSON Status Monitor 3. See “Using Monitoring Preferences” on page 24.

### **Print Queue**

This function displays the job waiting list.

You can check the list of all jobs waiting and their information, and also cancel or restart print jobs.

### **Speed and Progress**

You can make settings related to print speed and progress.

### **Menu Arrangement**

You can arrange the Select Setting, Media Type, and Paper Size list items. Arrange the items as you prefer, or classify the items into groups. You can also hide the items you are not using.

### **Export or Import**

You can export or import the printer driver settings. It is convenient to use this function when you want to make the same printer driver settings to multiple computers.

### **EPSON LFP Remote Panel**

This utility lets you optimize your printer. You can start this utility only if it is installed. See the EPSON LFP Remote Panel online help for detailed information.

### **Printer Firmware Update**

EPSON LFP Remote Panel is started and updates the printer firmware.

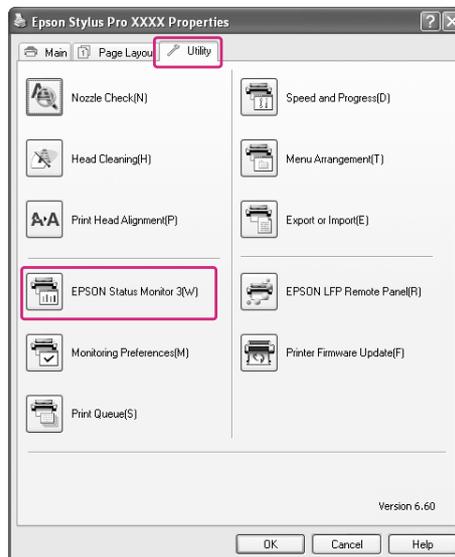
To use this function, you need to download the latest firmware from the Epson Web site beforehand.

## Using EPSON Status Monitor 3

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. To know the detailed status of the printer, open the printer detailed window. EPSON Status Monitor 3 starts to monitor the printer status when the printing begins, and if there are any problems, it shows an error message and its solutions. You can also access EPSON Status Monitor 3 from the printer driver or the shortcut icon by double-clicking the printer-shaped icon on the Windows taskbar to check the status of the printer.

## Accessing EPSON Status Monitor 3

Open the printer driver window, and click the **Utility** tab, and then click **EPSON Status Monitor 3**.



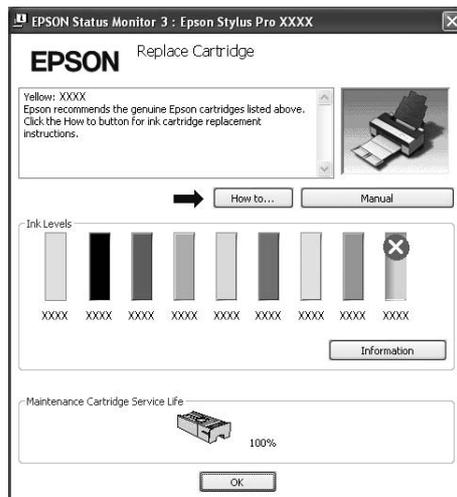
**Note:**

In the *Monitoring Preferences* dialog box, select the **Shortcut Icon** check box to display a shortcut icon on your Windows taskbar. Right-click the shortcut icon, and select the printer name to display the *EPSON Status Monitor 3* dialog box. See “Viewing information in *Monitoring Preferences*” on page 26.



### Viewing information in EPSON Status Monitor 3

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 a problem occurs during printing, an error message appears. Check the message and solve the problem accordingly.

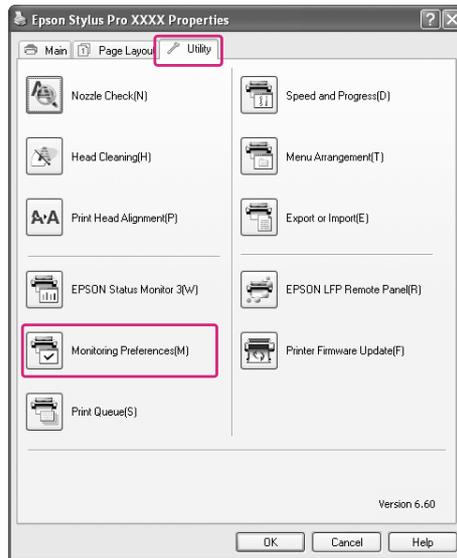


### Using Monitoring Preferences

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

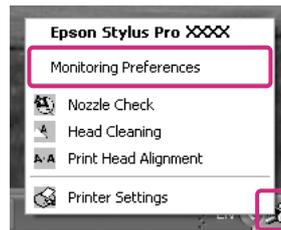
## Accessing Monitoring Preferences

Open the printer driver window, click the **Utility** tab, and then click **Monitoring Preferences**.



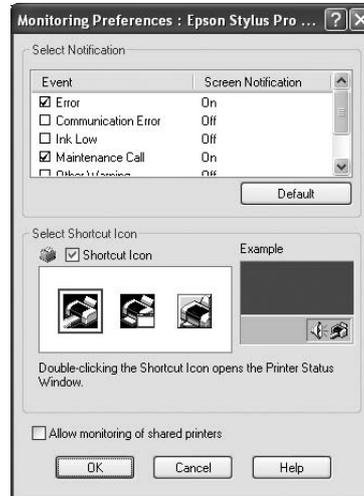
### Note:

In the *Monitoring Preferences* dialog box, select the **Shortcut Icon** check box to display a shortcut icon on your Windows taskbar. Right-click the shortcut icon, and select **Monitoring Preferences** to open the *Monitoring Preferences* dialog box.



### Viewing information in Monitoring Preferences

In the Monitoring Preferences dialog box, you can select error types for which you wish to receive notification, and you can make the shortcut icon setting and monitoring of shared printers setting.



## Uninstalling the Printer Software

This section describes how to uninstall the printer software from your computer.

### Note:

- ❑ For Windows XP/Vista, you must log in as a user with an Administrator account. When you uninstall the printer software from Windows Vista, the password may be required. If you are asked for the password, enter it and continue the operation.
- ❑ For Windows 2000, you must log in as a user with administrator rights (a user belonging to the Administrators group).

## Uninstalling the printer driver

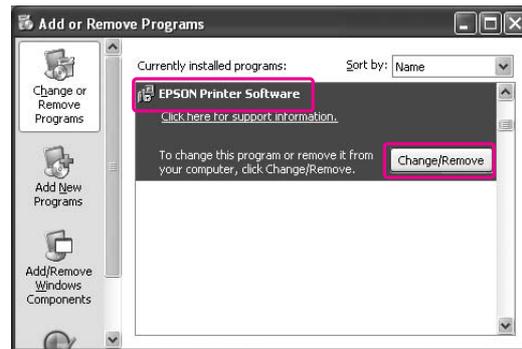
To uninstall the printer driver, follow the steps below.

1. Turn off the printer, and unplug the interface cable connected with the computer and printer.
2. Click **Add or Remove Programs** (or **Add/Remove Programs**) in the Control Panel.

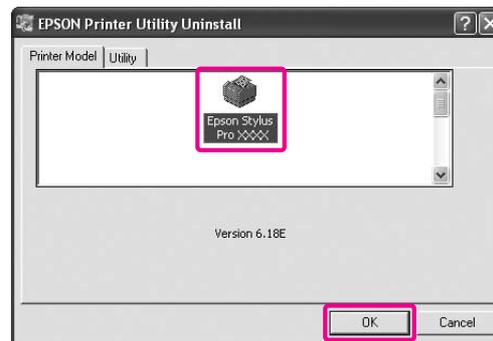
For Windows Vista, click **Programs**, and then **Programs and Features** in the Control Panel.



3. Select **EPSON Printer Software**, and then click **Change/Remove** (or **Uninstall/Change**).



4. Select the target printer icon, and then click **OK**.



5. Follow the on-screen instructions to complete uninstallation.

When the confirmation message appears, click **Yes**.

Restart the computer when you reinstall the printer driver.

## ***Uninstalling EPSON LFP Remote Panel***

EPSON LFP Remote Panel can be uninstalled from **Add or Remove Programs** (or **Add/Remove Programs**) in the Control Panel. For detailed information, see the EPSON LFP Remote Panel online help.

## Chapter 2

# Using the Printer Software (Mac OS X)

## Printer Software Introduction

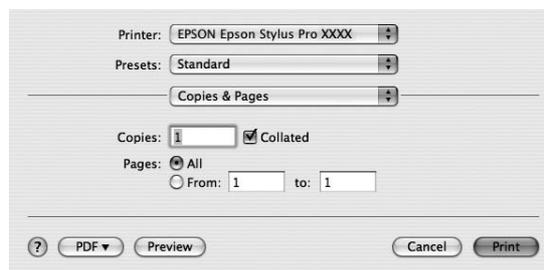
The printer software CD-ROM includes the following software. See the *Start Here* for installing the software and its online help for detailed information for each software.

- Printer driver
- EPSON Printer Utility3
- EPSON StatusMonitor
- EPSON LFP Remote Panel

## Printer driver

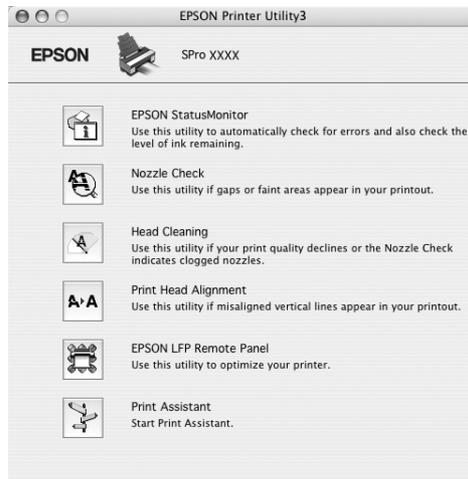
The printer driver lets you print documents from applications to the printer. The following are main functions of the printer driver:

- Sends the print data to the printer.
- Makes the printer settings, such as the media type, paper size. You can register these settings, and you can also easily import or export these registered settings.



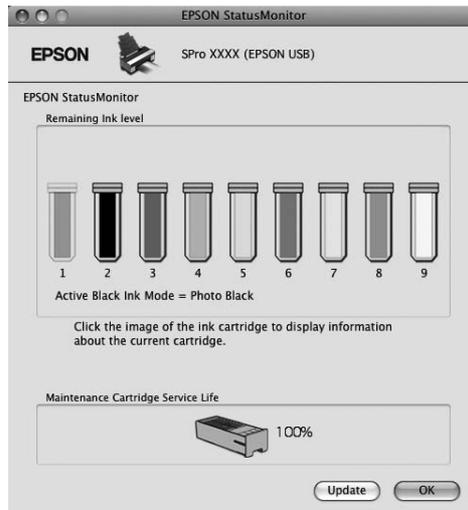
## EPSON Printer Utility3

You can execute the printer maintenance functions, such as Nozzle Check, Head Cleaning. EPSON Printer Utility3 is installed with the printer driver automatically.



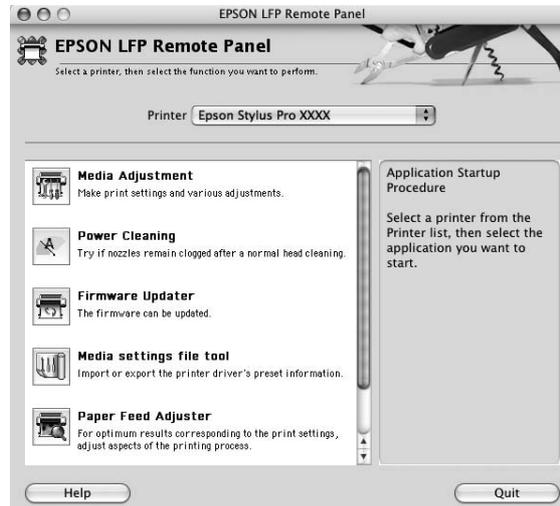
## EPSON StatusMonitor

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



## EPSON LFP Remote Panel

EPSON LFP Remote Panel gives the user a broad range of control over the printer, to obtain better print quality in printing on various media.



---

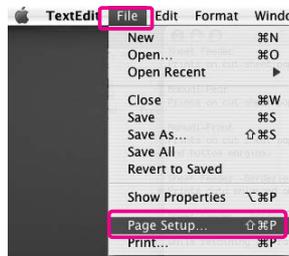
## Accessing the Printer Driver

To access the printer driver, follow the steps below. The following procedures may differ depending on the application you use.

- Page Setup dialog  
You can make the paper settings, such as media type, paper size.
- Print dialog  
You can make the settings related to print quality.

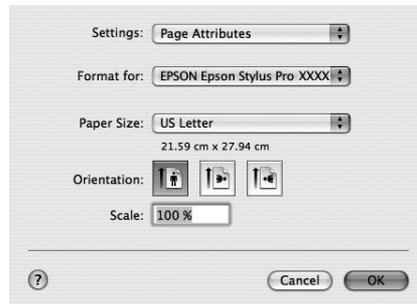
## Accessing the Page Setup dialog

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



The Page Setup dialog is displayed.

You can select a paper size, borderless printing, a paper source, and a print area in the Paper Size setting.

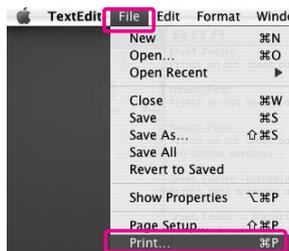


### *Note for Mac OS X 10.5 or later:*

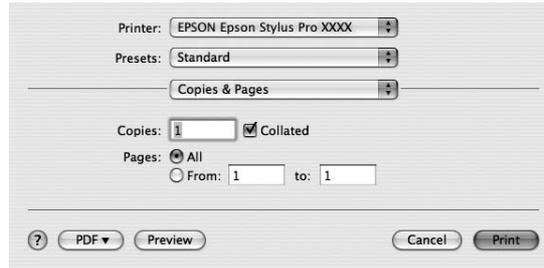
*Depending on your application, the Page Setup menu may not appear on the File menu. If so, click **Print** on the File menu of your application, select the appropriate settings.*

## Accessing the Print dialog

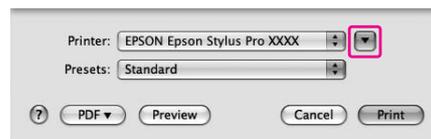
To access the Print dialog, click **Print** on the File menu of your application.



The Print dialog is displayed.



For Mac OS X (10.5 or later), click the  button.



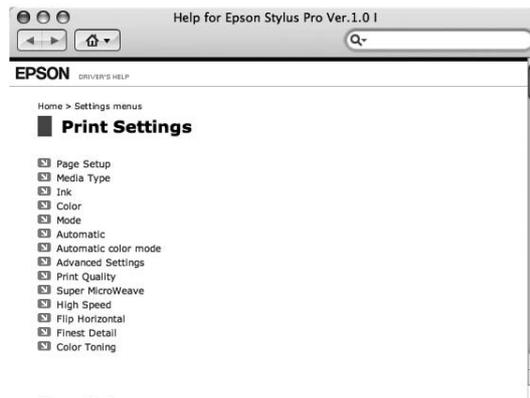
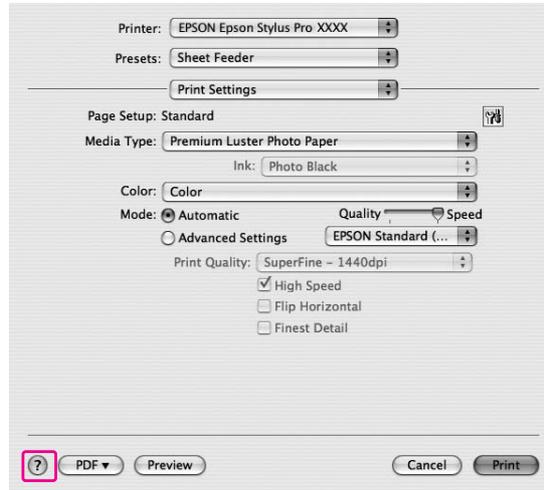
Make the settings as necessary, and then start printing.

**Note for Mac OS X 10.5 or later:**

*Depending on your application, you may have some of the same setting items as the Page Setup dialog.*

## Getting Information Through Online Help

To access the online help, click the  button in the dialog of the printer driver.

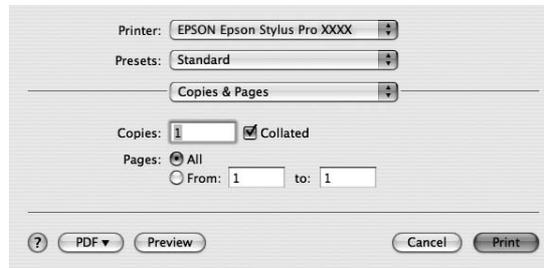
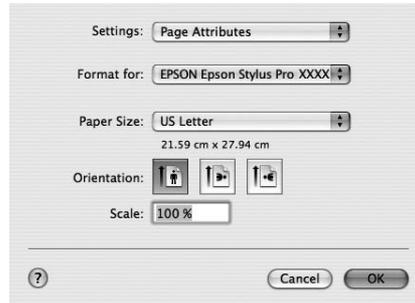


## Basic Settings

This section describes how to print your data from an application using the Epson printer driver.

## Setting the printer driver

First, make the print data using the application software.  
Before printing, open the printer driver window, and confirm the print settings such as the media type, paper size.

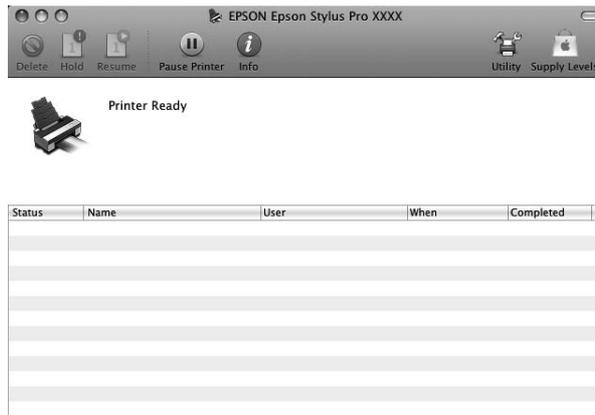


## Checking the printer status

1. Click the Printer icon in the Dock.



2. You can check the jobs waiting and their information, and also cancel the printing.



## Canceling printing

You can cancel a print job waiting from the computer. If the printing is already started, you can cancel printing by the printer.

### Canceling printing by the printer

Press and hold the **Cancel/Reset**  button for 3 seconds to reset the printer.

Even when it is printing a job, the printer is reset. After resetting, it takes a while before the printer is in the ready state.

#### **Note:**

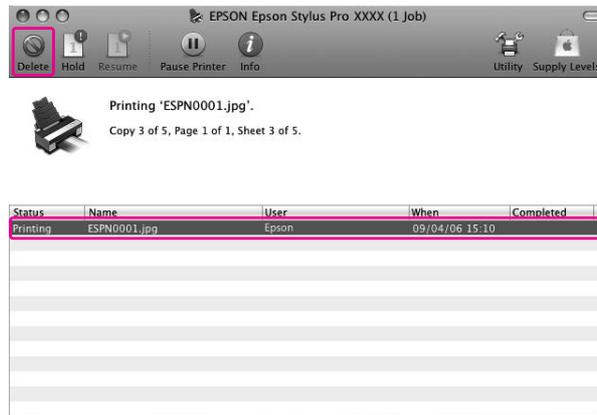
*You cannot cancel a job waiting in the computer. To cancel a job waiting in the computer, see the next section “Canceling printing by the computer” on page 35.*

### Canceling printing by the computer

1. Click the Printer icon in the Dock.



2. Click the job you want to delete, and then click **Delete**.



**Note:**

- You can delete a job waiting with the same procedures above.
- You cannot cancel a print job that has been sent to the printer. In this case, cancel the print job by the printer.

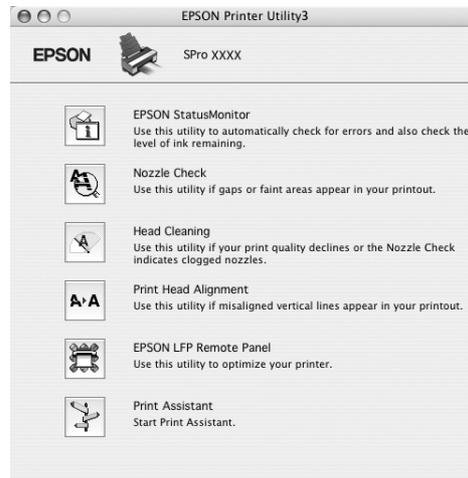
## When problem occurs during printing

If a problem occurs during printing, an error message appears. If you are not sure how to solve the problem, cancel printing, and then start EPSON StatusMonitor that leads you step by step through a procedure to solve a problem.



## Using Printer Utilities

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



### EPSON StatusMonitor

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

### Nozzle Check

This utility checks the print head nozzles to see if they are clogged and need to be cleaned. Check the nozzles when you notice the print quality has declined and after cleaning to confirm that the print head nozzles have been cleaned. If the print head nozzles are clogged, perform head cleaning.

### Head Cleaning

This utility cleans the color and black print heads. You may need to clean the print head if you notice the print quality has declined.

**Note:**

*The cleaning process consumes ink of all ink cartridges at the same time. Even if you are using only black inks, the head cleaning also consumes color inks.*

### 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.

### **EPSON LFP Remote Panel**

This utility lets you optimize your printer. You can start this utility only if it is installed. See the EPSON LFP Remote Panel online help for detailed information.

### **Print Assistant**

You can access the *User's Guide*. If the *User's Guide* is not installed, it will access a technical support Web site.

## ***Accessing EPSON Printer Utility3***

You can access the EPSON Printer Utility3 using the following way.

- ❑ Double-click the **Applications** folder, and then double-click the **EPSON Printer Utility3** icon.

## ***Using EPSON StatusMonitor***

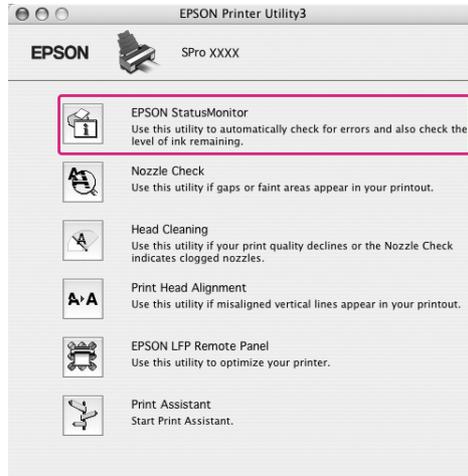
EPSON StatusMonitor provides you with detailed printer status information, a graphic display of the ink cartridge status and the free space of the maintenance cartridge, and status messages.

### ***Note:***

*The printer error message appears automatically on your screen even if EPSON StatusMonitor is not opened.*

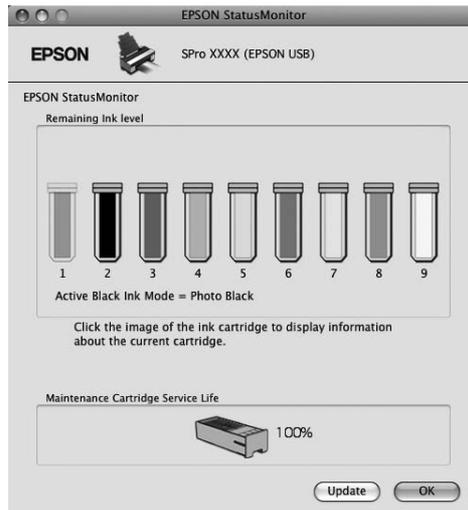
## Accessing EPSON StatusMonitor

Open the EPSON Printer Utility3 window, and then click **EPSON StatusMonitor**.



## Viewing information in EPSON StatusMonitor

EPSON StatusMonitor 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 a problem occurs during printing, an error message appears. Check the message and solve the problem accordingly.



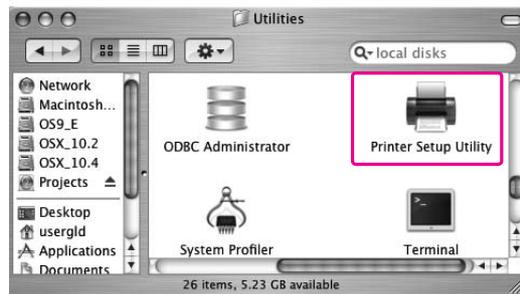
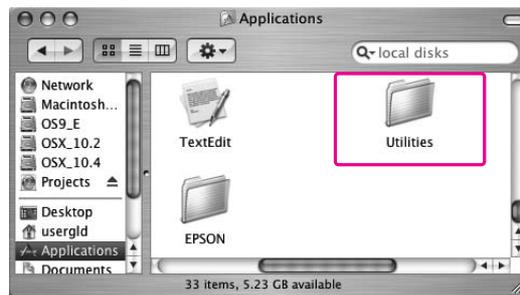
## Uninstalling the Printer Software

To uninstall the printer software, follow the steps below.

## Uninstalling the printer driver

To uninstall the printer driver and EPSON Printer Utility3, follow the steps below.

1. Turn off the printer, and unplug the interface cable connected with the computer and printer.
2. Close the all application software.
3. For Mac OS X (10.3.9 to 10.4):  
Double-click the **Applications** folder, and then double-click the **Utilities** folder. Double-click **Printer Setup Utility** icon.



For Mac OS X (10.5 or later):

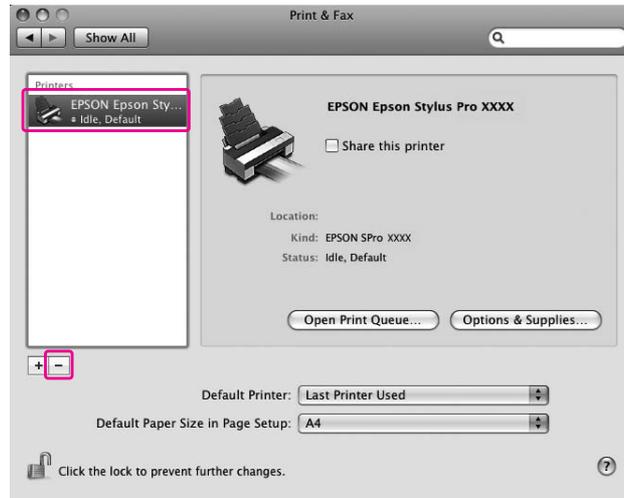
Double-click the **Applications** folder, and then double-click the **System Preferences** folder. Then double-click the **Print & Fax** folder.



4. For Mac OS X (10.3.9 to 10.4):  
Select the printer, and then click **Delete**.

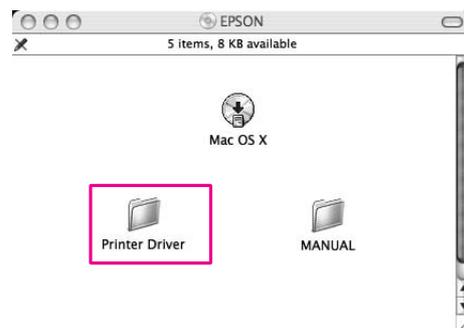


For Mac OS X (10.5 or later):  
Select the printer, and then click -.



After clicking **Delete**, close the dialog.

5. Insert the printer software CD-ROM into the CD-ROM drive.
6. Double-click the **Printer Driver** folder.



**Note:**

*If the folder does not appear, double-click the **EPSON** icon on the desk top.*



7. Double-click the **EPSON\_IJ\_Printer** icon.



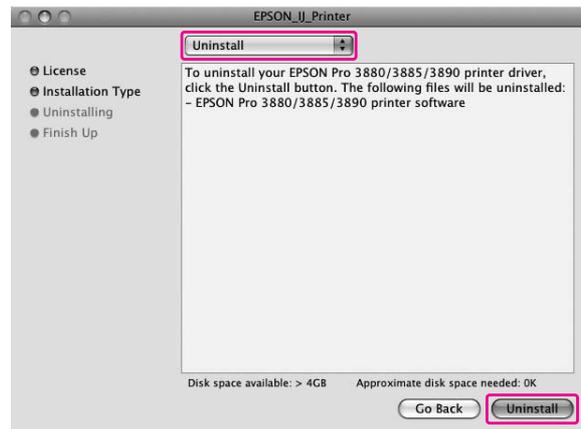
8. If the Authenticate dialog appears, enter the password or phrase and then click **OK**.

To uninstall the printer driver, you must log in as a user with administrator rights.



9. Click **Continue**, and then click **Agree**.

10. Select **Uninstall** from the pull-down menu, and then click the **Uninstall** button.



11. Follow the on-screen instructions to uninstall the printer driver.

## ***Uninstalling EPSON LFP Remote Panel***

Drag the **EPSON LFP Remote Panel** folder to the Trash. See the EPSON LFP Remote Panel online help for more information.

## Chapter 3

### Variety of Printings

#### Auto Color Adjustment by PhotoEnhance (Windows only)

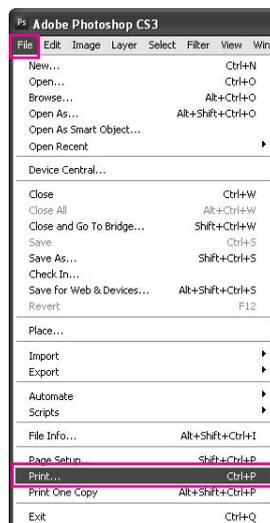
When using PhotoEnhance, you can adjust the color of the prints depending on the types of subject, such as people, landscape, or night scene. It can also convert color data to gray print or sepia print. The printer driver performs color adjustment automatically when selecting your desired mode. PhotoEnhance is Epson's proprietary technology that uses the color reproduction range of the printer effectively to ensure the image data is output with beautiful balanced color.

1. If the application supports color management, refer to the table below to adjust color management settings in the application.

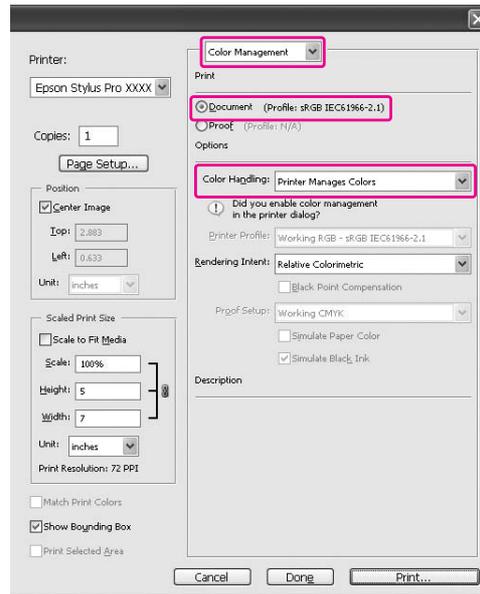
Application	Setting of Color management
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6/7	Printer Manages Colors
Other Applications	No Color Management

#### Using Adobe Photoshop CS3

2. Open the File menu and select **Print**.



3. Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.

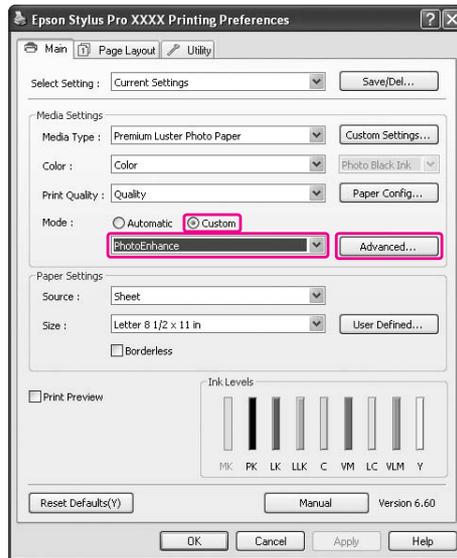


When using this function with an application which does not support a color management function, you need to perform the color matching process from step 4.

4. Open the printer driver window.

See "From Windows applications" on page 11

- Click **Custom** for the Mode in the Main menu, and select **PhotoEnhance**, and then click **Advanced**.



- In the PhotoEnhance dialog box, select the effect settings.

See the online help of the printer driver for detailed information.



- Check other settings, and then start printing.

## Color Adjustment by the Printer Driver

You can adjust colors using the printer driver during printing by setting one of the following two color systems.

- EPSON Standard (sRGB)
- Adobe RGB

Furthermore, when you set manual color adjustment (by selecting Custom for Windows or Advanced Settings for Mac OS X), you can perform fine tuning of the color and brightness. Use this function if the application does not support color management.

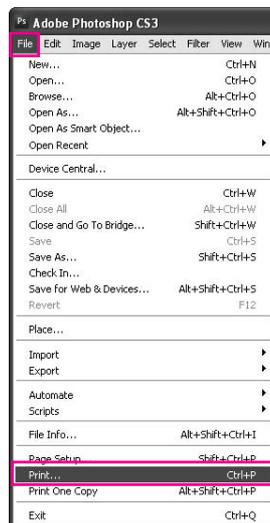
## For Windows

1. If the application supports color management, refer to the table below to adjust color management settings in the application.

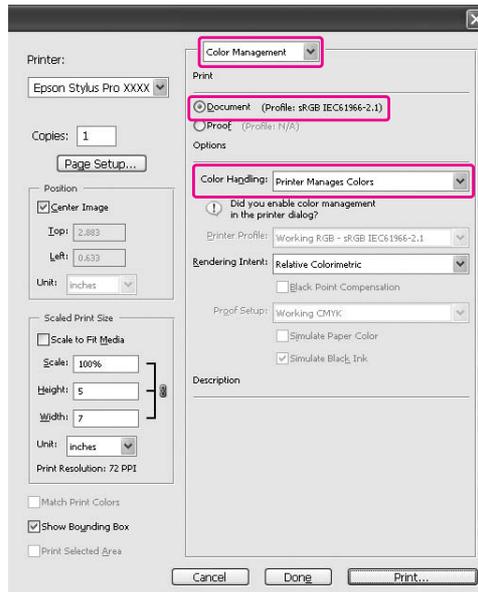
Application	Setting of Color management
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6/7	Printer Manages Colors
Other Applications	No Color Management

## Using Adobe Photoshop CS3

2. Open the File menu and select **Print**.



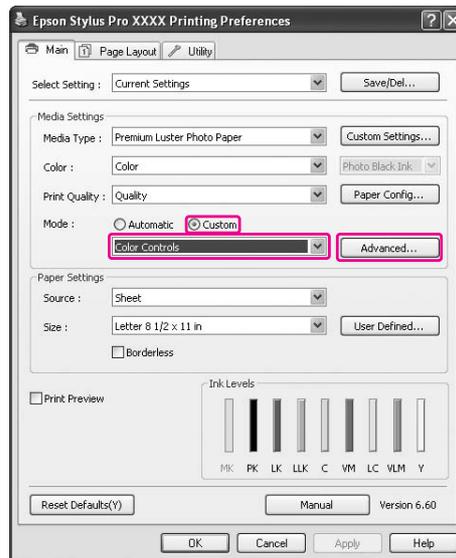
3. Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.



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

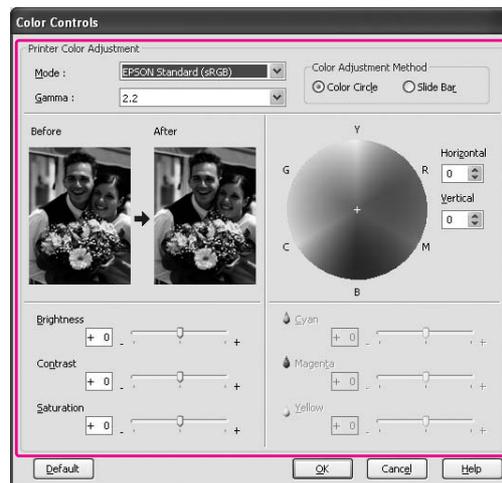
4. Open the printer driver window.  
See “From Windows applications” on page 11
5. In the Main menu, select **Automatic** or **Custom**.
6. Select the method for the color adjustment.

If you select **Custom** for the Mode to set manually, select **Color Controls**, and then click **Advanced**.



7. Make the necessary settings.

See the online help of the printer driver for detailed information.



**Note:**

You can perform the color adjustment by checking the sample image on the left side of the window. You can also use the color circle for the fine color adjustment.

8. Check other settings, and then start printing.

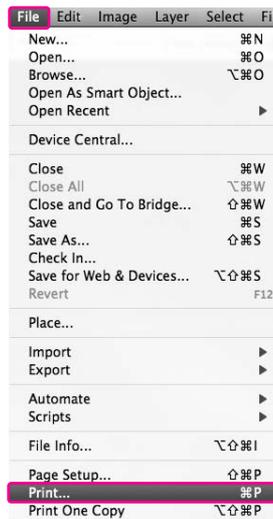
## For Mac OS X

1. If the application supports color management, refer to the table below to adjust color management settings in the application.

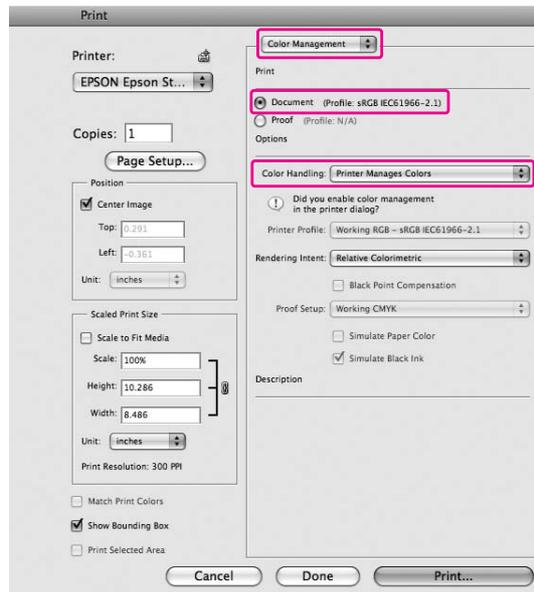
Application	Setting of Color management	
	Mac OS X v10.5	Mac OS X v10.3.9 to v10.4
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6	Printer Manages Colors	No Color Management
Other Applications	No Color Management	No Color Management

### Using Adobe Photoshop CS3

2. Open the File menu and select **Print**.



3. Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.

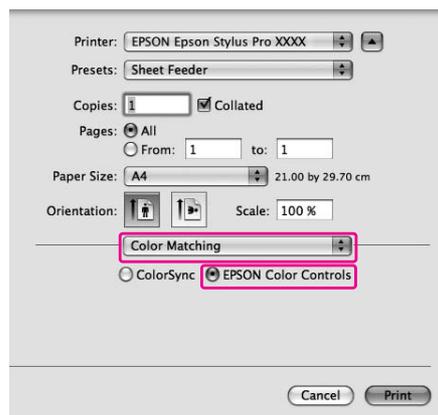


When using this function with an application which does not support a color management function, you need to perform the color matching process from step 4.

4. Open the Print dialog.

See “Accessing the Print dialog” on page 31

5. For Mac OS X 10.5, select **Color Matching**, and then select **EPSON Color Controls**.



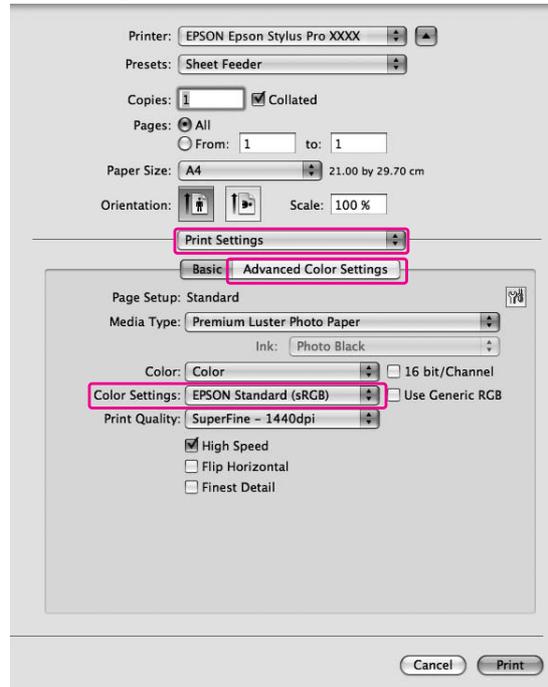
**Note:**

When using Adobe Photoshop CS3/CS4, Adobe Photoshop Lightroom and Adobe Photoshop Elements 6 in Mac OS X 10.5, select EPSON Color Controls in Step 1.

- Open the advanced settings dialog.

For Mac OS X 10.5:

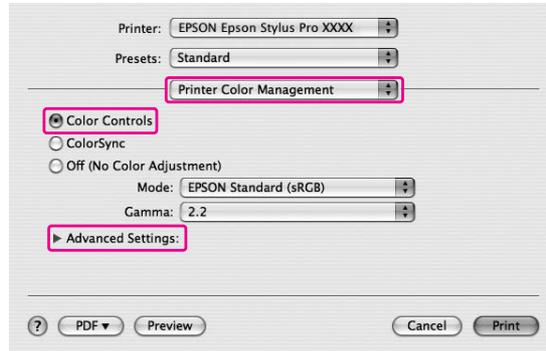
Select **Print Settings**, and change Color Settings if necessary. If you adjust the color manually, click **Advanced Color Settings**.

**Note:**

If you use Adobe Photoshop CS3/CS4, Adobe Photoshop Lightroom and Adobe Photoshop Elements 6 for Mac OS X 10.5, clear the Use Generic RGB checkbox. When you use another application, select the checkbox.

For Mac OS X 10.3.9 to 10.4:

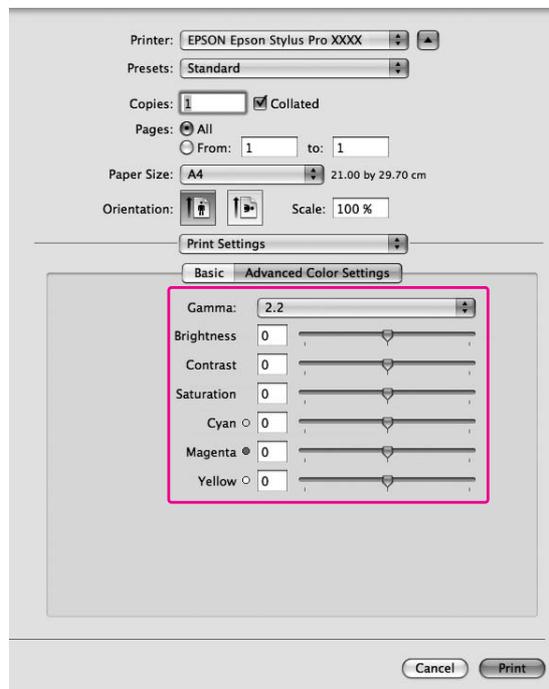
Select **Printer Color Management**, and click **Color Controls**, and then click **Advanced Settings**.



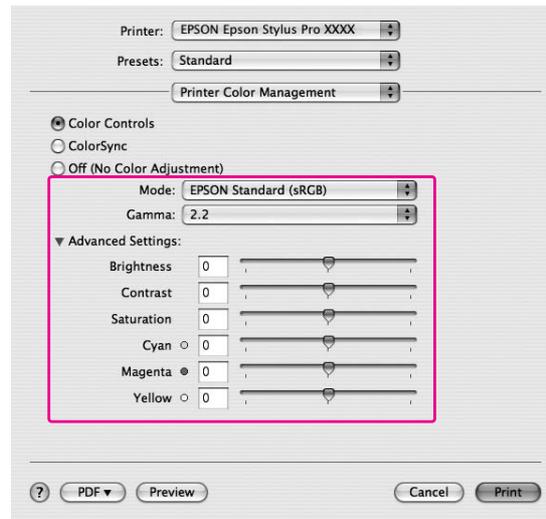
7. Make the necessary settings.

See the online help of the printer driver for detailed information.

For Mac OS X 10.5:



For Mac OS X 10.3.9 to 10.4:



8. Check other settings, and then start printing.

## Black-and-White Photo Printing

Advanced black-and-white photo printing is available in the Color Controls dialog, allowing color images to be printed in black-and-white without first converting them to monochrome in the imaging application. The print image is adjusted without affecting the original data.

### Note:

Even in **Advanced B&W Photo** and **Black** modes, ink from all cartridges is used to keep the print heads in good condition.

You need to use the media that is suitable for black-and-white photo printing. See “Paper Information” on page 194 for detailed information.

## For Windows

1. If the application supports color management, refer to the table below to adjust color management settings in the application.

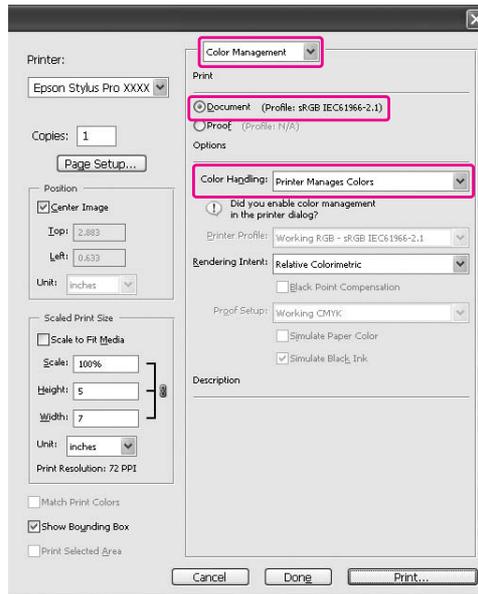
Application	Setting of Color management
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6/7	Printer Manages Colors
Other Applications	No Color Management

## Using Adobe Photoshop CS3

- Open the File menu and select **Print**.



3. Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.

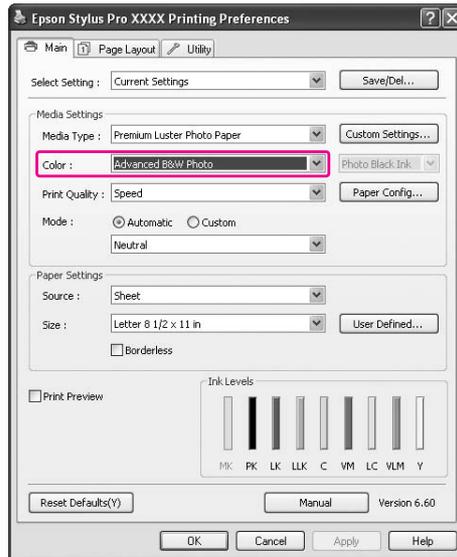


When using this function with an application which does not support a color management function, you need to perform the color matching process from step 4.

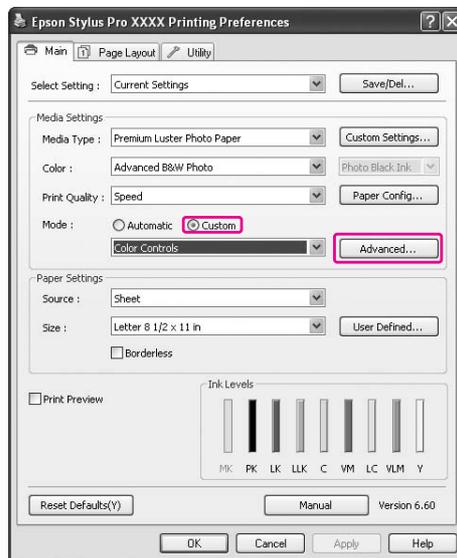
4. Open the printer driver window.

See “From Windows applications” on page 11

5. Select **Advanced B&W Photo** for the Color.

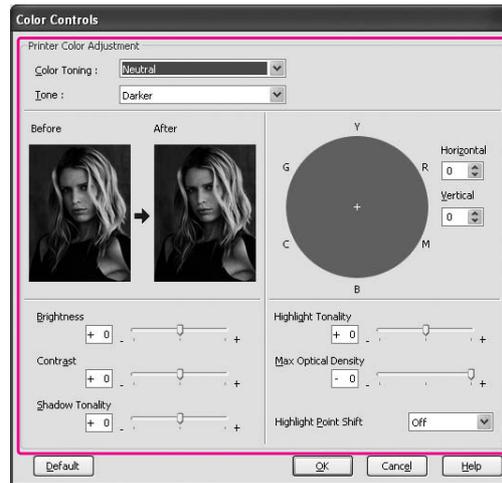


6. Click **Custom** for the Mode in the Main menu, and select **Color Controls**, and then click **Advanced**.



7. Make the necessary settings, and then start printing.

For more detailed information, see the online help of the printer driver.



8. Check other settings, and then start printing.

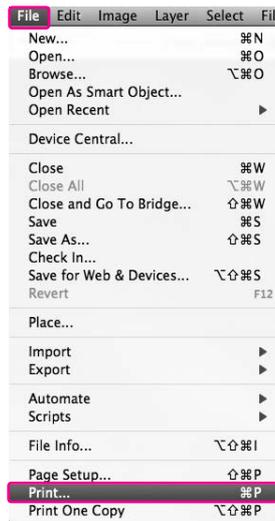
## For Mac OS X

1. If the application supports color management, refer to the table below to adjust color management settings in the application.

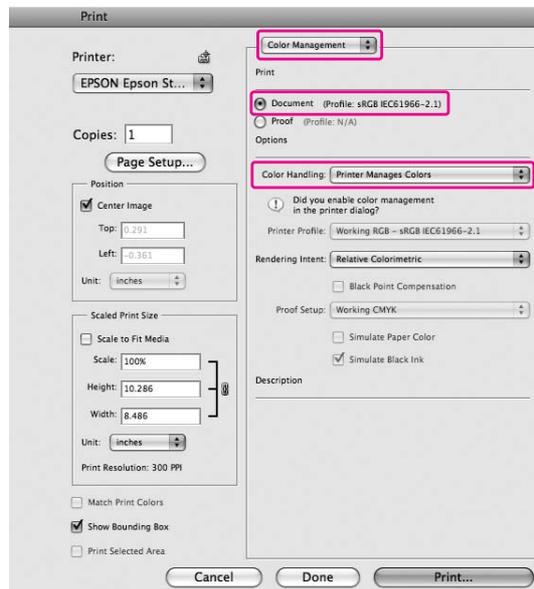
Application	Setting of Color management	
	Mac OS X v10.5	Mac OS X v10.3.9 to v10.4
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6	Printer Manages Colors	No Color Management
Other Applications	No Color Management	No Color Management

## Using Adobe Photoshop CS3

- Open the File menu and select **Print**.



- Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.



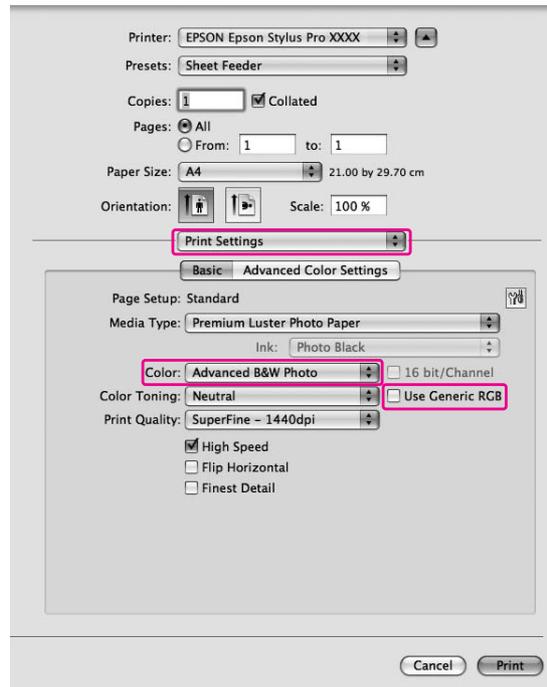
When using this function with an application which does not support a color management function, you need to perform the color matching process from step 4.

- Open the Print dialog.

See “Accessing the Print dialog” on page 31

5. Select **Print Settings**, and select **Advanced B&W Photo** for the Color.

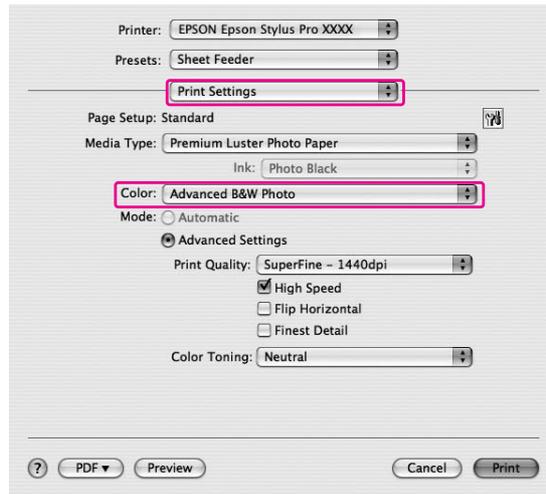
For Mac OS X 10.5:



**Note:**

*If you use Adobe Photoshop CS3/CS4, Adobe Photoshop Lightroom and Adobe Photoshop Elements 6 for Mac OS X 10.5, clear the Use Generic RGB checkbox. When you use another application, select the checkbox.*

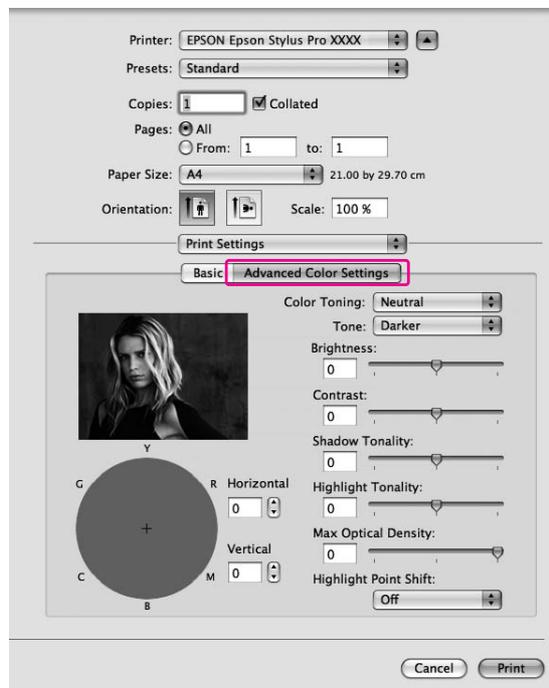
For Mac OS X 10.3.9 to 10.4:



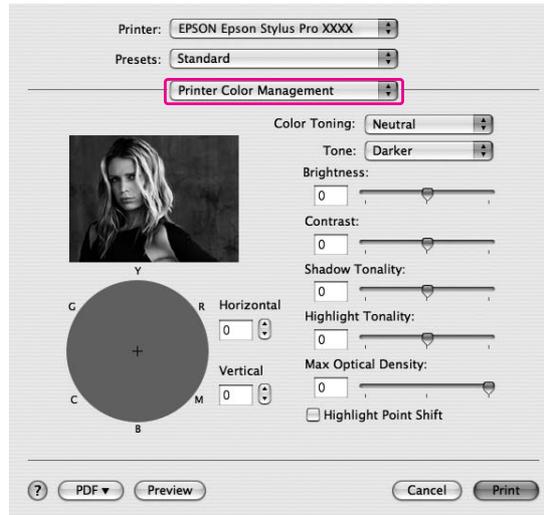
- Open the advanced settings dialog.

For Mac OS X 10.5:

Click **Advanced Color Settings**.



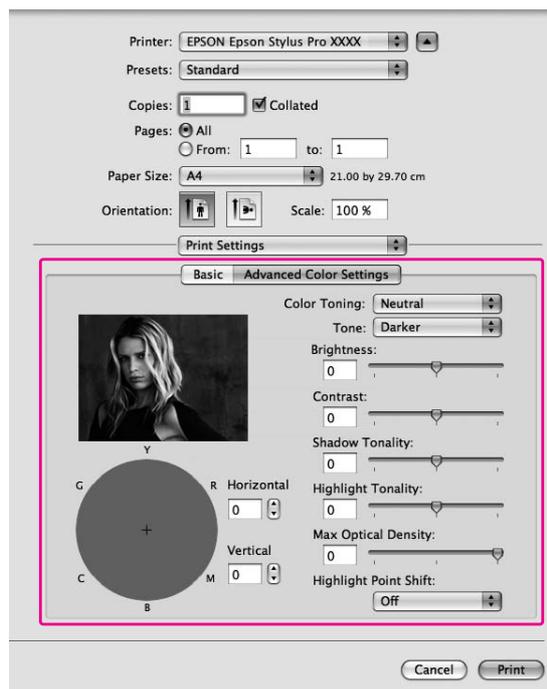
For Mac OS X 10.3.9 to 10.4:  
Select **Printer Color Management**.



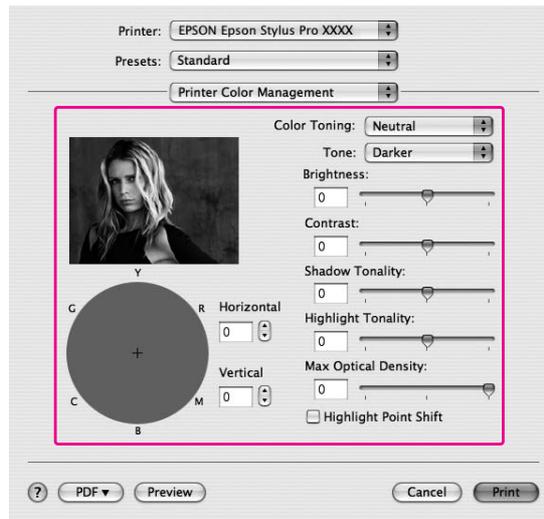
7. Make the necessary settings.

For more detailed information, see the online help of the printer driver.

For Mac OS X 10.5:



For Mac OS X 10.3.9 to 10.4:



8. Check other settings, and then start printing.

## Borderless Printing

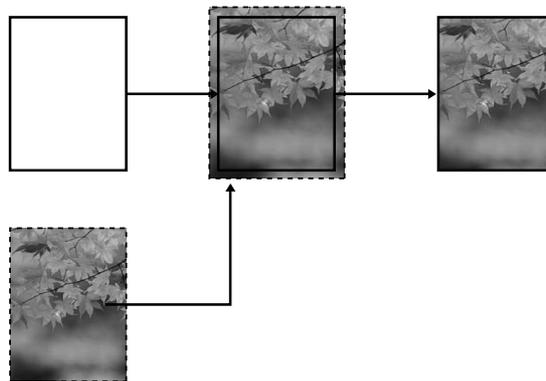
You can print your data without margins on paper. There are two types of borderless printing.

### Note:

*All four sides can be borderless on a sheet of paper.*

#### Auto Expand

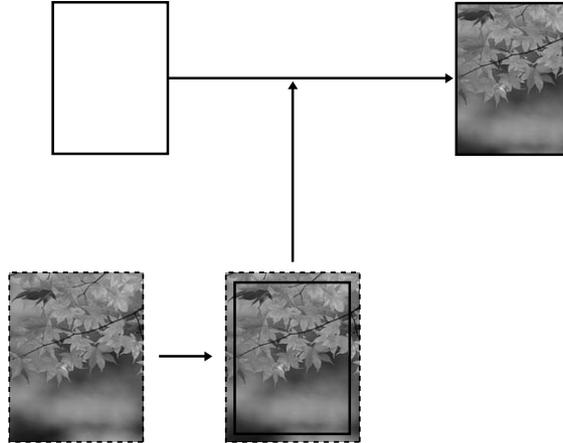
Enlarge the size of print data automatically and print without margins. Enlarged areas that exceed the paper size will not be printed on the paper.



Retain Size

Using an application, enlarge your image data to exceed the paper width and height, to avoid unprinted areas appearing along the four edges. The printer driver does not enlarge the image data.

Select this setting if you do not want to change the ratio of your print data by the printer driver.



## ***Supported media type***

The following media sizes are supported for borderless printing.

<b>Paper width</b>
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)

Paper width
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.

Depending on the media type, the print quality may decline or the borderless printing is not supported. See "Paper Information" on page 194 for detailed information.

## Application settings

Set the size of the image data using the Page Setting dialog box of the application software.

### For Auto Expand

- Set the same paper size as used for printing.
- If your application has margin settings, set the margin to 0 mm.
- Make the image data as large as the paper size.

### For Retain Size

- Set the Image size 5 mm wider in all four directions using the application that created the data.
- If your application has margin settings, set the margin to 0 mm.
- Make the image data as large as the paper size.

## Printer driver settings

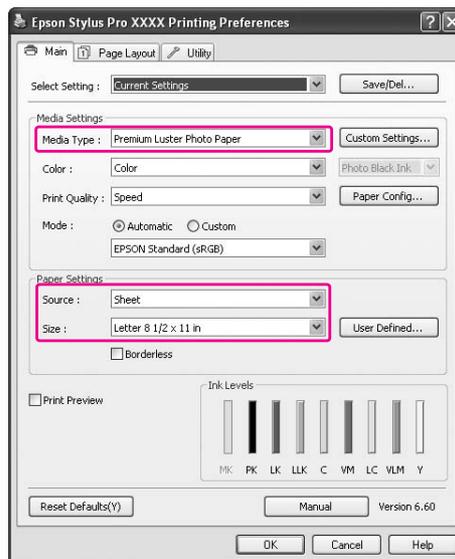
To print your data with this feature, follow the steps below.

### For Windows

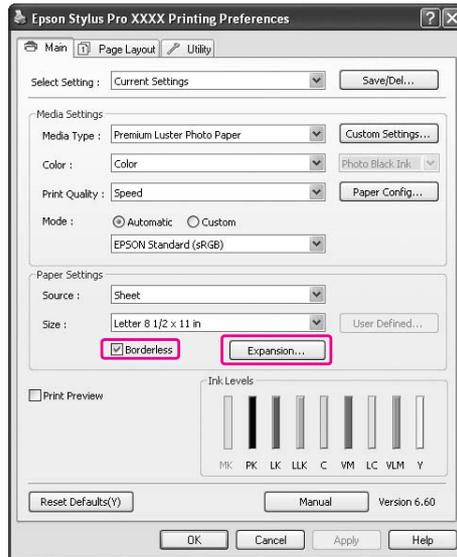
1. Open the printer driver window.

See “Accessing the Printer Driver” on page 11.

2. In the Main menu, select the media type, paper source, page size, or paper size.



3. Select **Borderless**, and then click **Expansion**.



4. Select **Auto Expand** or **Retain Size**. If you select **Auto Expand**, you can change the amount of enlargement.

Max	In the case of A2 size, about 5 mm for bottom, 3.3 mm for top, and 4.5 mm for left and right
Mid	Half of Max
Min	0 mm



**Note:**

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.

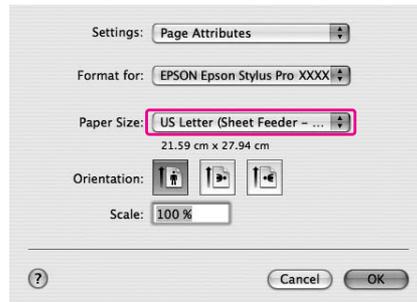
5. Check the other settings, and then start printing.

**For Mac OS X**

1. Open the Page Setup dialog.

See “Accessing the Printer Driver” on page 30.

2. Select the paper size and borderless printing such as **Auto Expand** or **Retain Size**, and then click **OK**.



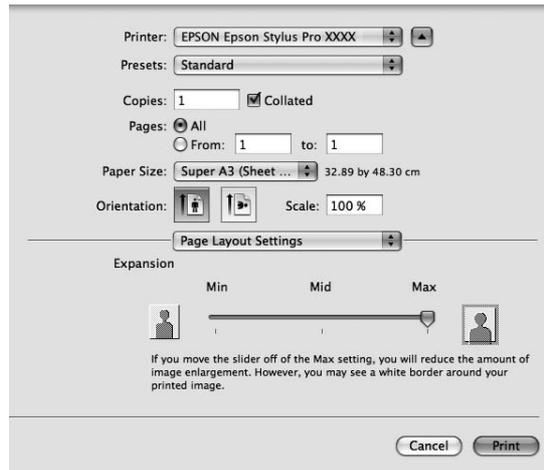
3. Open the Print dialog.

See “Accessing the Printer Driver” on page 30.

4. If **Auto Expand** is selected, you can change the amount of the enlargement in the Print Layout Settings dialog (10.5 or later) or Expansion dialog (10.3.9 to 10.4).

Max	In the case of A2 size, about 5 mm for bottom, 3.3 mm for top, and 4.5 mm for left and right
Mid	Half of Max
Min	0 mm

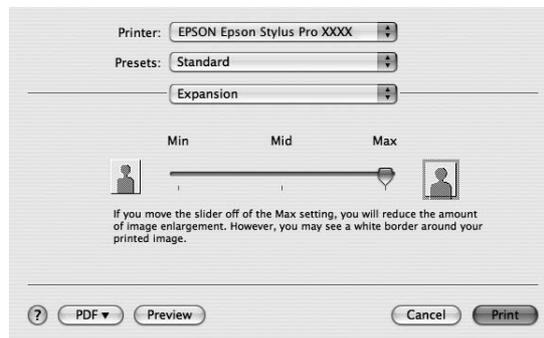
Mac OS X (10.5 or later)



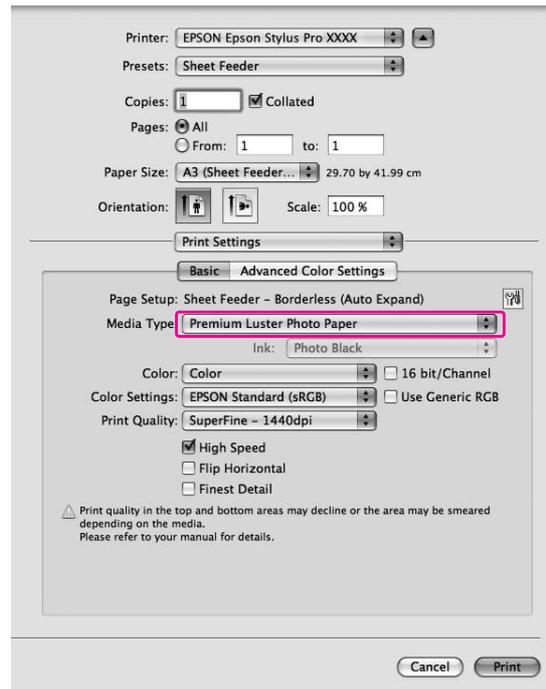
**Note:**

*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.*

Mac OS X (10.3.9 to 10.4)



5. In the Print Settings dialog, select the media type.



6. Check the other settings, and then start printing.

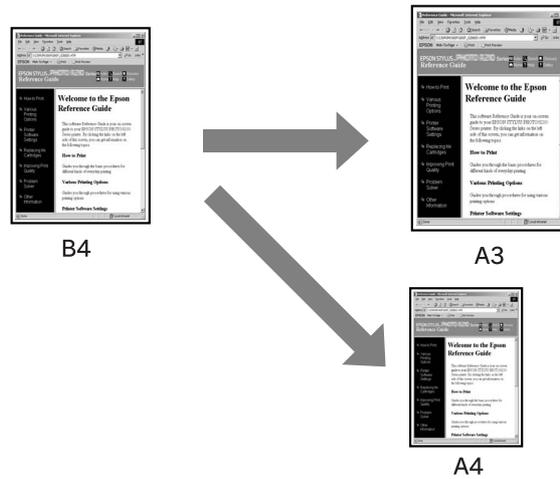
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## ***Enlarge or Reduce Size Printing***

You can fit the size of your data to the size of paper you print on. There are two ways to enlarge or reduce the size of your data.

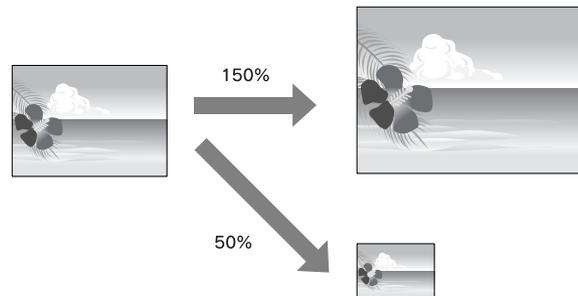
**Fit to Page (Windows only)**

Proportionally enlarges or reduces the size of your data to make it fit the paper size you have selected in the Output Paper list.



**Custom**

Lets you define the percentage you want to enlarge or reduce a data.



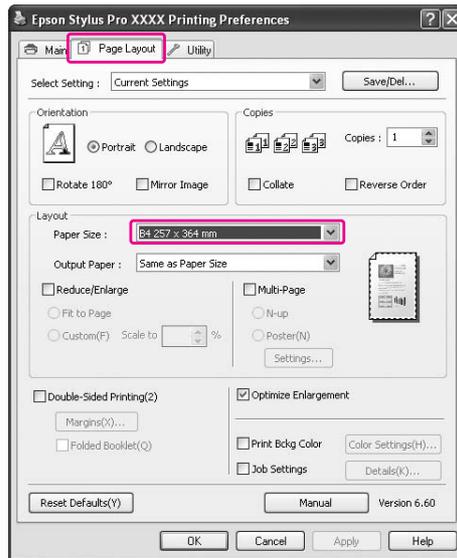
### ***Fit to Page (Windows only)***

You can fit the size of your data to the size of paper you to print on.

1. Open the printer driver window.

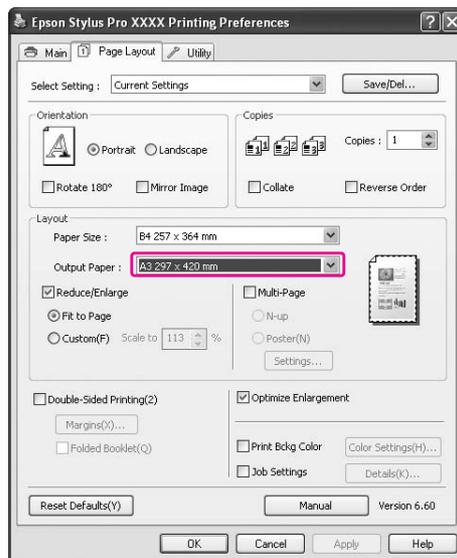
See “Accessing the Printer Driver” on page 11.

- Click the **Page Layout** tab, and then select the same paper size as the paper size of the data.



- Select the paper size that is loaded in the printer from the Output Paper list.

Proportionally enlarges or reduces the size of your data to make it fit the paper size you have selected for the Output Paper.



- Check the other settings, and then start printing.

## Custom

Lets you define the percentage you want to reduce or enlarge.

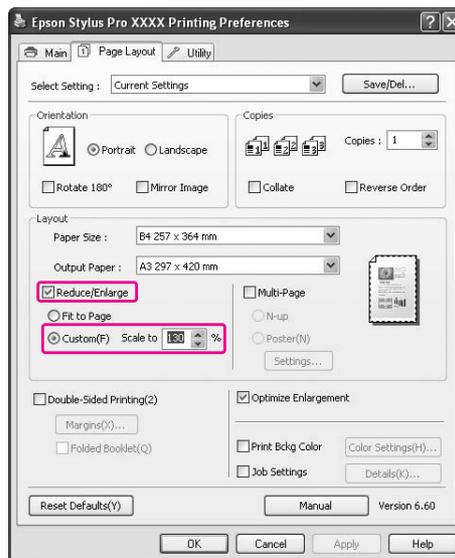
### For Windows

1. Open the printer driver window.

See “Accessing the Printer Driver” on page 11.

2. Click the **Page Layout** tab, and then select the same paper size as the paper size of the data.
3. Select the paper size that is loaded in the printer from Output Paper.
4. Select **Reduce/Enlarge**, and then click **Custom**.

Click the arrows next to the Scale box to select a proportion from 10 to 650%.



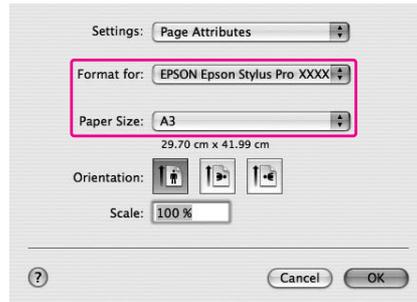
5. Check the other settings, and then start printing.

### For Mac OS X

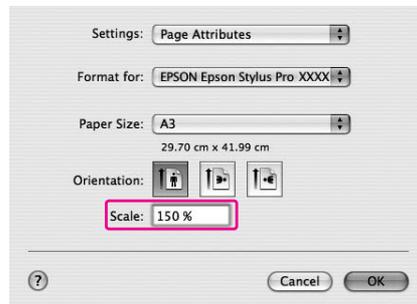
1. Open the Page Setup dialog.

See “Accessing the Printer Driver” on page 30.

2. Select the printer and paper size that is loaded in the printer.



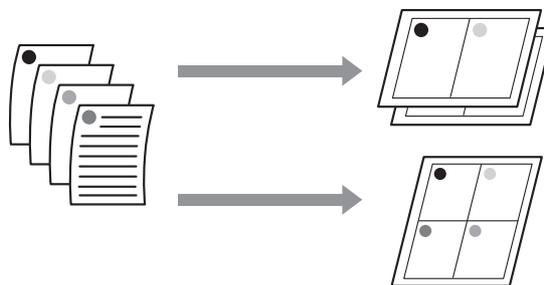
3. Set the value for Scale.  
For Mac OS X 10.5: 1 to 10000%  
For Mac OS X 10.3.9 to 10.4: 1 to 400%



4. Check the other settings, and then start printing.

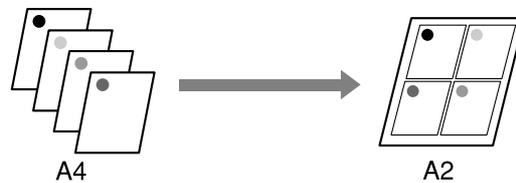
## Pages Per Sheet Printing

You can print two or four pages of your document on one sheet of paper.  
If you print continuous layout data prepared at A4 size, it will be printed as shown below.



**Note:**

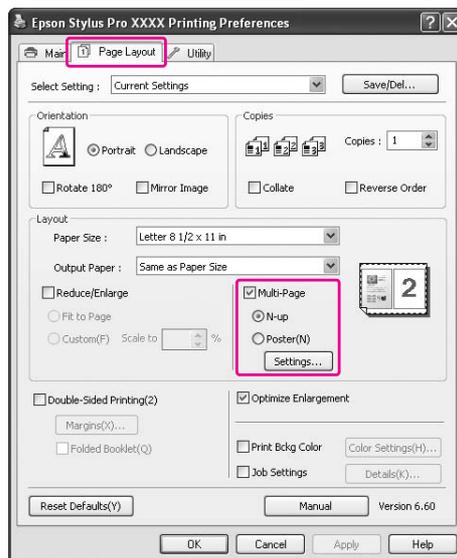
- ❑ For Windows users, use the printer driver's function for layout printing. For Mac OS X, use the standard feature of the operating system for layout printing.
- ❑ You cannot use the Multi-Page function of Windows printer driver if you are using borderless printing.
- ❑ For Windows users, using the Fit to Page function, you can print the data on different sizes of paper.  
See "Enlarge or Reduce Size Printing" on page 72.

**For Windows**

1. Open the printer driver window.

See "Accessing the Printer Driver" on page 11.

2. Click the **Page Layout** tab, select the **Multi-Page** check box, select **N-up**, and then click **Settings**.



3. In the Print Layout dialog box, specify the order in which the pages will be printed.

To print frames around the pages printed on each sheet, check the **Print page frames** check box.

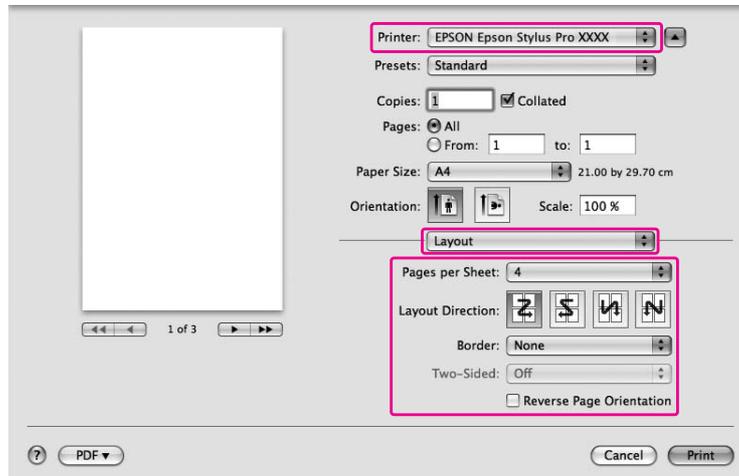
4. Check the other settings, and then start printing.

## For Mac OS X

1. Open the Print dialog.

See “Accessing the Printer Driver” on page 30.

2. Select **Layout** from the list to specify the order in which the pages will be printed.



### Note:

If you select other than **None** for Border, the frames around the pages are printed on each sheet.

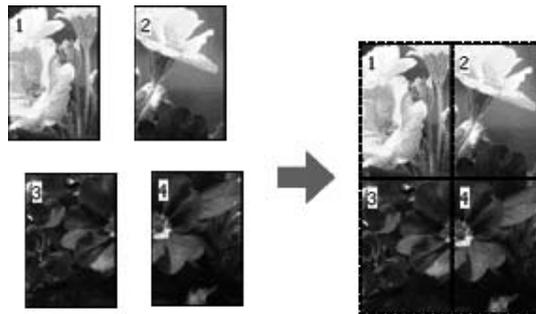
3. Check the other settings, and then start printing.

## Poster Printing (Windows only)

The poster printing function allows you to print poster-size images by enlarging one page to cover several sheets of paper. This function is supported by Windows only. You can make a poster or a calendar by joining the several printed sheets of paper together. Poster printing is available up to 16-fold of the normal printing (four sheets by four sheets.) The poster printing supports following two types.

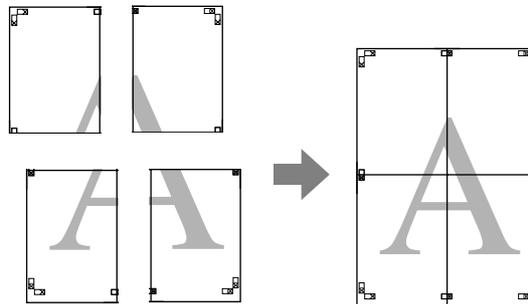
### Borderless poster printing

You can print a borderless poster-size image by automatically enlarging one page to cover several sheets of paper. You can make a poster just by joining the several printed sheets of paper together.



### Poster printing with margins

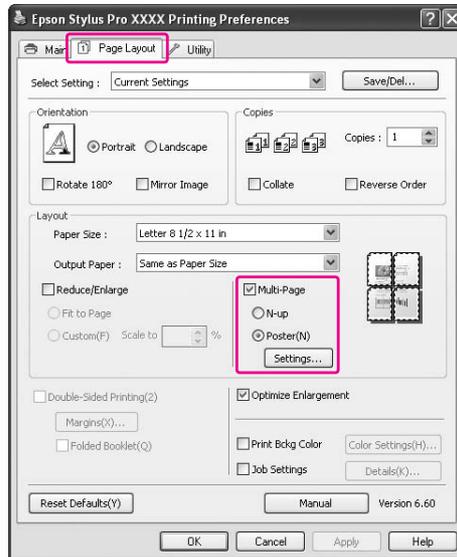
You can print a poster-size image by automatically enlarging one page to cover several sheets of paper. You need to cut the margins and then join the several sheets of paper together to make a poster.



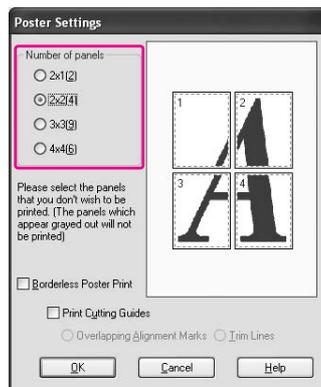
1. Prepare the print data by using an application.  
The printer driver automatically enlarges the image data during printing.
2. Open the printer driver window.

See “Accessing the Printer Driver” on page 11.

3. Click the **Page Layout** tab, select the **Multi-Page** check box, select **Poster**, and then click **Settings**.



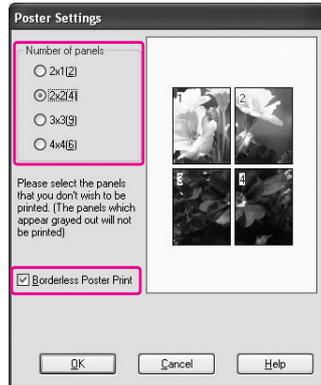
4. In the Poster Settings dialog box, select the number of printed pages you want the poster to cover.



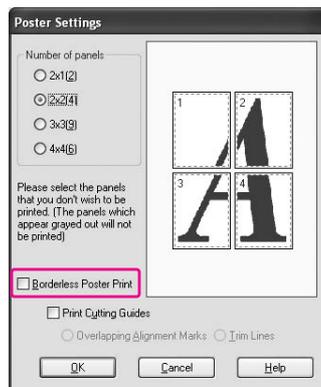
**Note:**

*You can make a larger poster if you select a greater number for division.*

- When you want to print a borderless poster, select the **Borderless Poster Print** check box, and select the panels that you do not want to print, and then click **OK**. Then go to step 6.



- If you want margins around the poster, make sure the **Borderless Poster Print** check box is cleared, and make the other settings as necessary.



**Note:**

*Regarding the size when the parts are joined together:*

*The finished size whether **Trim Lines** is selected or not is the same. However, if **Print Cutting Guides** is selected, the finished size is smaller by the amount of the overlap.*

- Check the other settings, and then start printing.

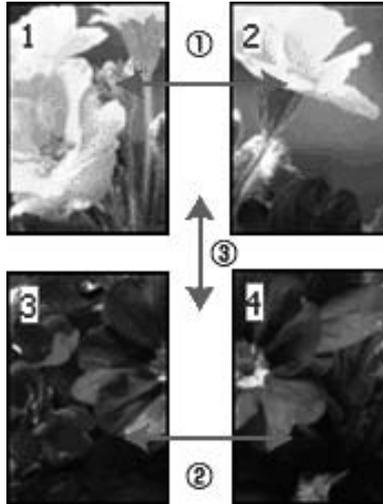
## **Joining the sheets together along the guide**

The steps to join the sheets together are different whether the printed sheets are borderless or not.

### ***For borderless poster printing***

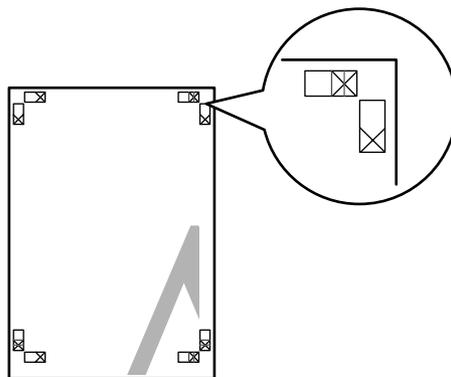
This section explains how to join the four printed pages together. Join the printed pages together appropriately, and stick them on the back of sheets using the cellophane tape. Join them by the following order indicated in the illustration below.

Borderless poster printing may not produce a set of complete partial images which can be used to assemble a poster. If you want a more complete poster, try the Poster printing with margins feature.

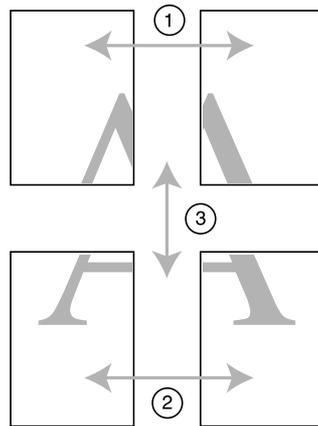


### ***For poster printing with margins***

When you select **Overlapping Alignment Marks**, the following marks are printed on the paper. See the procedures below to join the four printed pages together using the alignment marks.

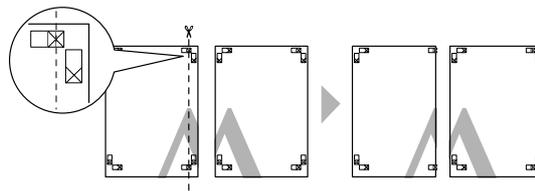


The four sheets are joined together by the following order.

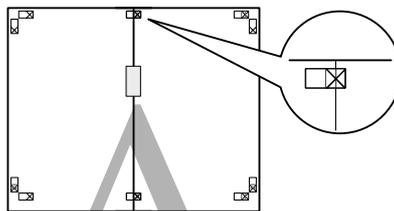


1. Cut the upper left sheet along the alignment mark (vertical blue line).

The guide is black for the black-and-white printing.

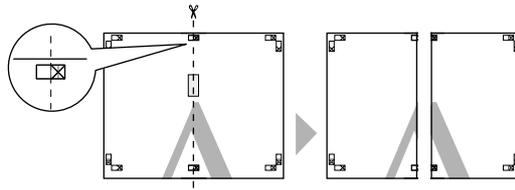


2. Lay the upper left sheet on top of the upper right sheet. The X marks should be matched as in the illustration below, and join the upper left sheet to the upper right sheet with cellophane tape temporarily.

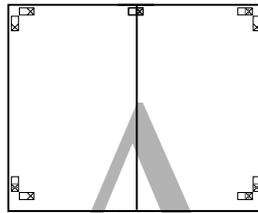


3. Cut the upper sheets along the alignment mark (vertical red line).

The guide is black for the black-and-white printing.

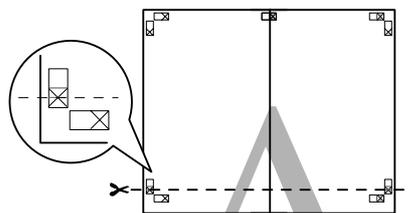


4. Join the upper left and right sheets together with cellophane tape on the back of the sheets.

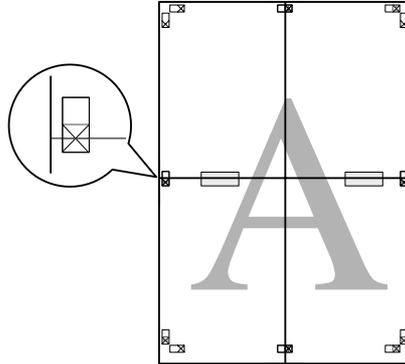


5. Try step 1 to 4 for the lower sheets.
6. Cut the bottom of upper sheets along the alignment mark (horizontal blue line).

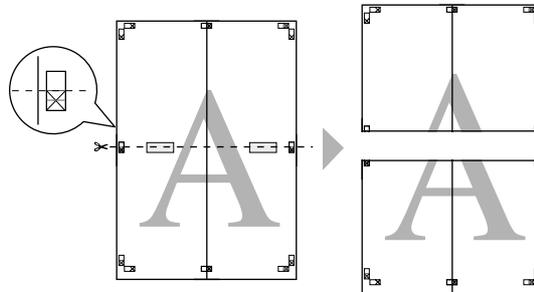
The guide is black for the black-and-white printing.



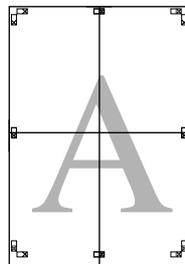
7. Lay the upper sheets on top of the lower sheets. The X marks should be matched as in the illustration below, and join the upper sheets and lower sheets together with cellophane tape temporarily.



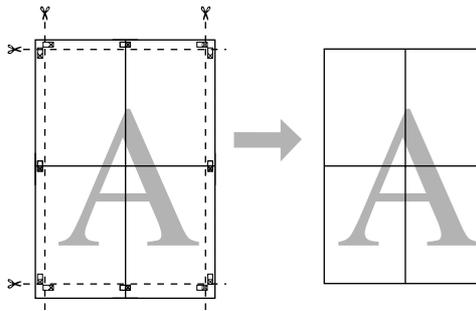
8. Cut the sheets along the alignment mark (horizontal red line).  
The guide is black for black-and-white printing.



9. Join the upper sheets and lower sheets together with cellophane tape on the back of the sheets.



- After joining all the sheets together, cut the margins along the outer guide.



## Double-Sided Printing

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 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.*

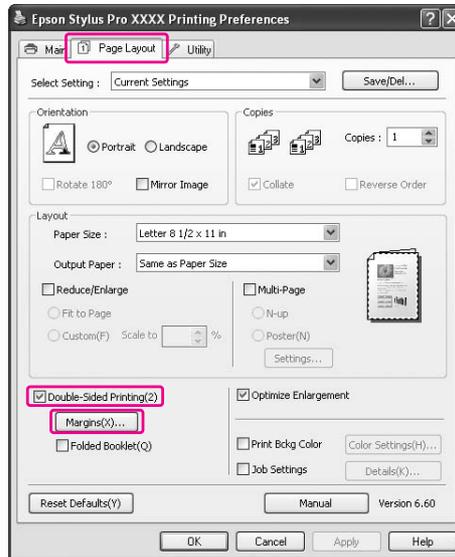
## Standard double-sided printing

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

- Open the printer driver window.

See “Accessing the Printer Driver” on page 11.

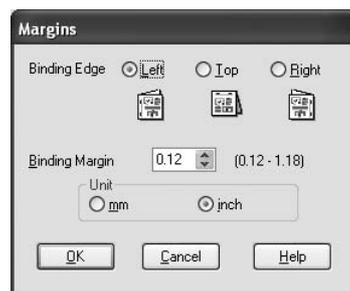
2. Click the **Page Layout** tab, select the **Double-Sided Printing** check box, and then click **Margins**.



3. Specify the edge of the paper where binding will be placed. You can choose **Left**, **Top**, or **Right**. Then, specify the width of the binding margin, using the Binding Margin text box. You can specify any width from 3 to 30 mm (0.12 to 1.18 inches).

**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.*



4. Click **OK** to return to the Page Layout menu, and then click **OK** to save your settings.
5. 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.

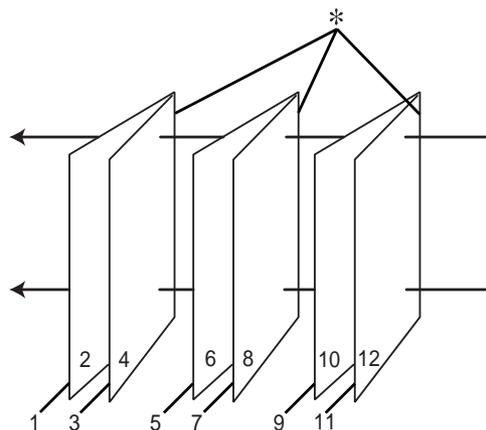
**Note:**

- ❑ *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 191.*

- 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.

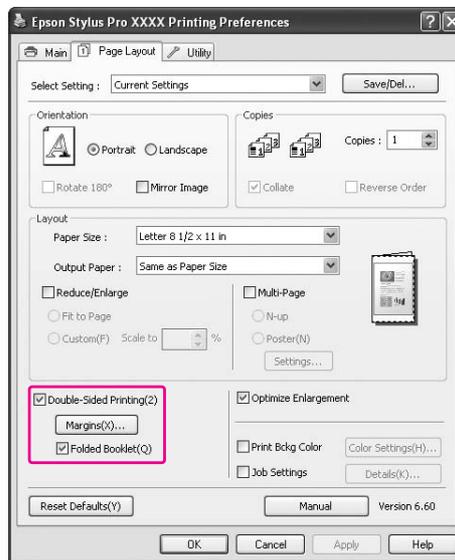


\* Binding Edge

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**, and then click **Margins**.



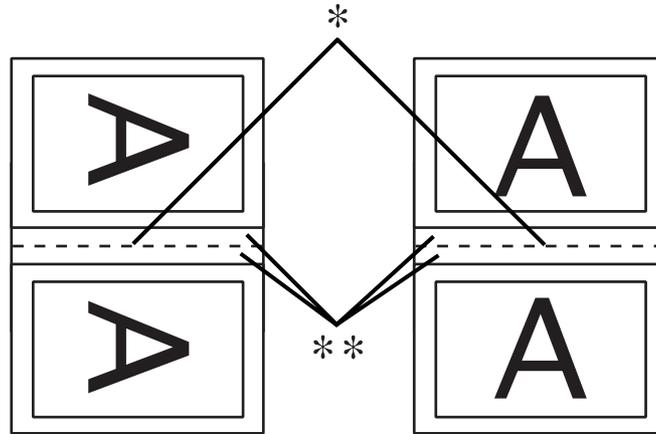
2. Specify the edge of the paper where binding will be placed. You can choose **Left**, **Top**, or **Right**.

**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.

## Printing on Custom Paper

You can also print on a custom paper, using the steps below. The sizes available depend on the sheet feeder used.



	Sheet Feeder	Manual-Rear	Manual-Front
<b>Paper width</b>	89 to 432 mm	204 to 432 mm	210 to 420 mm
<b>Paper height</b>	127 to 950 mm	254 to 950 mm	279 to 594 mm

### Note:

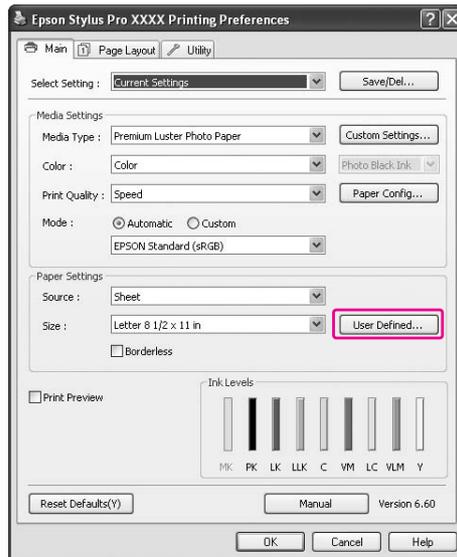
- For Mac OS X, you can set a larger size in the Custom Paper Size than the size that you can set in the printer; however, it does not print correctly.
- The available output size may be limited depending on the application software.

## For Windows

- Open the printer driver window.

See “Accessing the Printer Driver” on page 11.

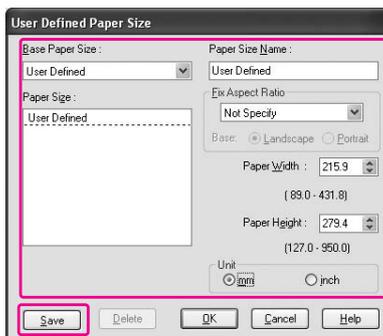
- Click **User Defined** in the Main menu.



**Note:**

You cannot select **User Defined** if **Borderless** is selected for Paper Settings.

- Set the custom paper size you want to use, and then click **Save**.
  - You can enter up to 24 characters for the Paper Size Name.
  - You can easily change the size by selecting the paper size close to the size you want to set in the Base Paper Size.
  - If the ratio is same as the defined paper size, select the ratio from the Fix Aspect Ratio and select either **Landscape** or **Portrait** for the Base. In this case, you can only adjust either the Paper Width or Paper Height.



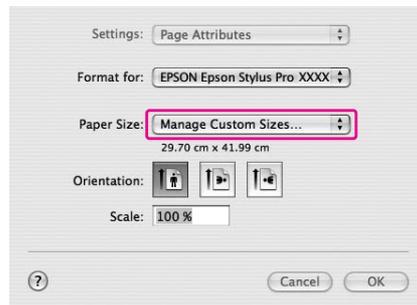
**Note:**

- ❑ *To change the paper size you have registered, select the paper size name in the list, and then change the size.*
  - ❑ *To delete the user-defined size you have registered, select the paper size name in the list, and then click **Delete**.*
  - ❑ *You can register up to 100 paper sizes.*
4. Click **OK** to save the custom paper size.

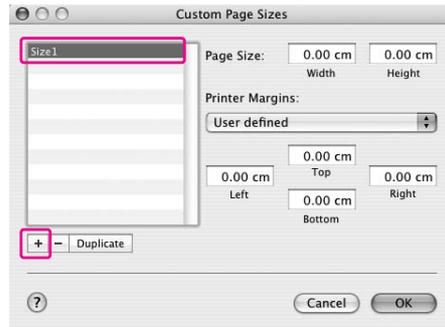
The custom paper size is registered in the Paper Size.  
Now, you can print by taking the same steps as usual.

**For Mac OS X**

1. Open the Page Setup dialog.  
  
See “Accessing the Printer Driver” on page 30.
2. Select **Manage Custom Sizes** in Paper Size.



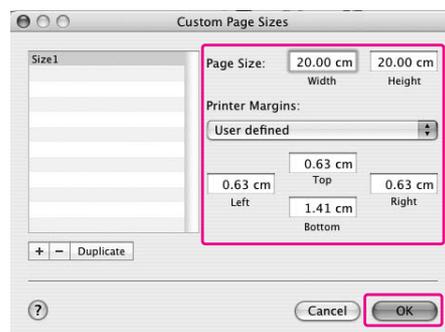
3. Click **+**, and enter the paper size name.



4. Enter the paper width, paper height, and margins, and then click **OK**.

The paper size and printer margin you can set is as follow.

Printer	Description
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.



**Note:**

- ❑ To change the setting you have registered, click the paper size name from the list.

- ❑ *To duplicate the paper size you have registered, click the paper size name from the list, and then click **Duplicate**.*
  - ❑ *To delete the paper size you have registered, click the paper size name from the list, and then click -.*
  - ❑ *The custom paper size setting is different depending on the version of the operating system. See your operating system's documentation for details.*
5. Click **OK**.

The custom paper size is registered in the Paper Size pop-up menu. Now, you can print by taking the same steps as usual.

---

## **Customize the Items of the Printer Driver**

You can save the settings or change the display items as you prefer. You can also export the settings as a file and make the same printer driver settings to multiple computers.

### ***Saving the printer driver settings***

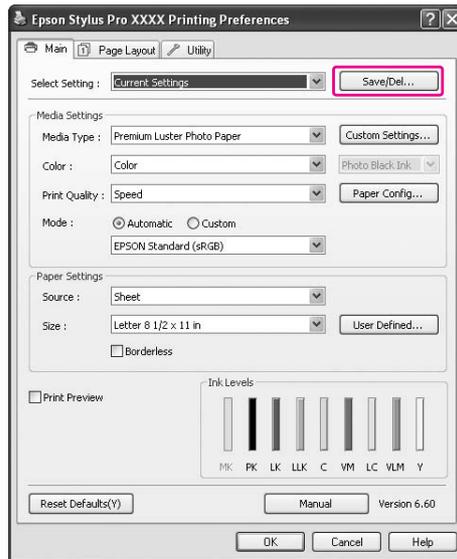
You can save up to 100 settings.

### ***Saving as a favorite***

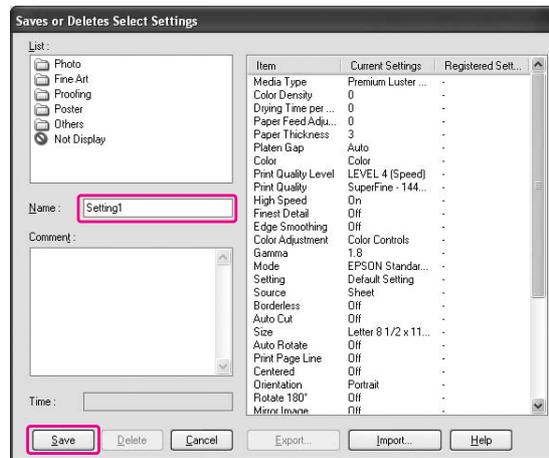
You can save all the setting items of the printer driver.

1. Change the settings in the Main and Page Layout menu.

2. Click **Save/Del...** in the Main or Page Layout menu.



3. Enter the name in the Name box, and then click **Save**.

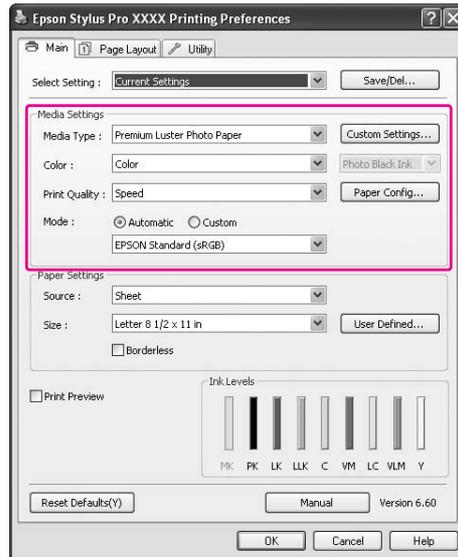


You can choose a setting you have registered from the Select Setting list box.

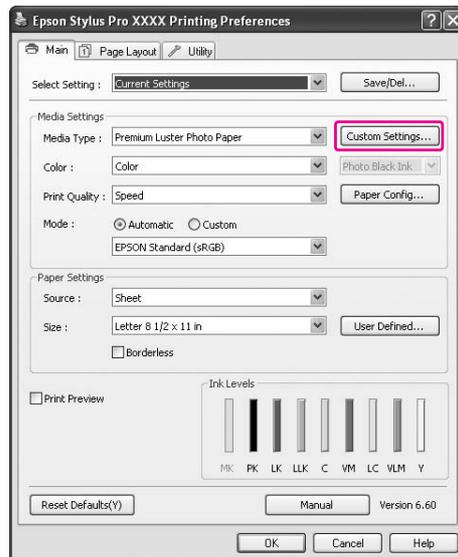
### ***Saving as a custom media***

You can save the items of the Media Settings in the Main menu.

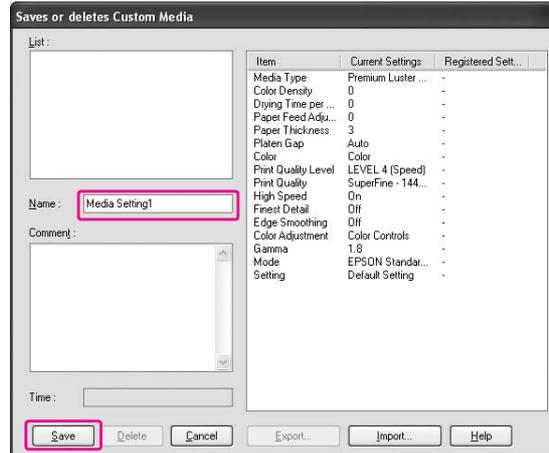
1. Change the Media Settings items in the Main menu.



2. Click **Custom Settings**.



3. Enter the name in the Name box, and then click **Save**.

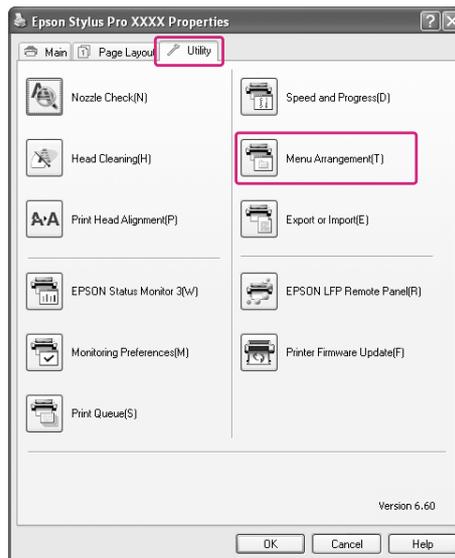


You can choose a setting you have registered from the Media Type list box.

## Menu arrangement

You can arrange the Select Setting, Media Type, and Paper Size items.

1. Click the **Utility** tab, and then click **Menu Arrangement**.

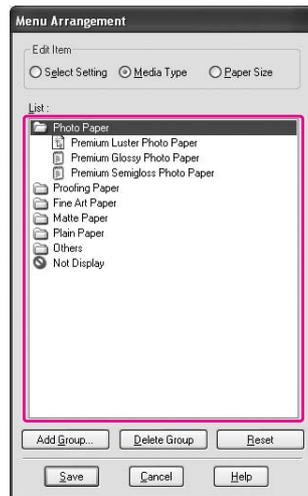


2. Select the edit item.



3. In the List box, arrange the items as you prefer, or classify the items into groups.

- You can arrange the list items by drag-and-drop operation.
- To add a new group, click **Add Group**.
- To delete the group, click **Delete Group**.
- Move the unused items into the **Not Display** group.



**Note:**  
You cannot delete the default items.

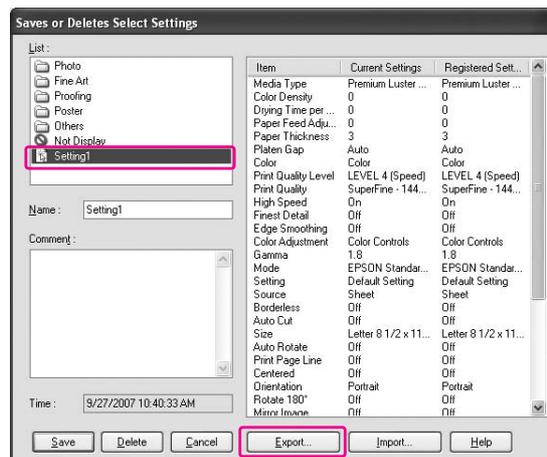
4. Click **Save**.

## Exporting or Importing

You can export or import the settings you have registered as a file.

### Exporting the settings

1. Open the Save or Deletes Select Settings dialog box or the Saves or deletes Custom Media dialog box.
2. Select the setting in the List box, and click **Export**.

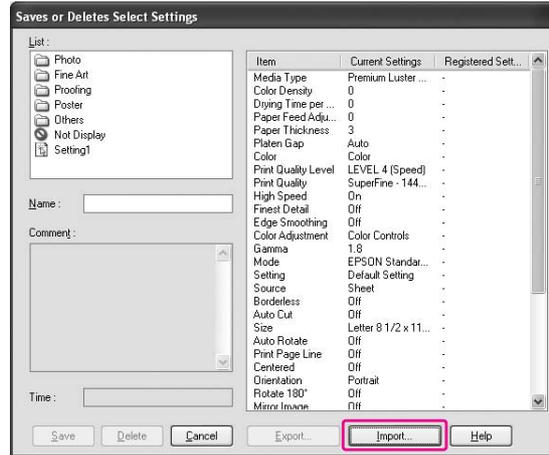


3. Select the location, and enter the file name, and then click **Save**.

### Importing the settings

1. Open the Save or Deletes Select Settings dialog box or the Saves or deletes Custom Media dialog box.

2. Click **Import**.

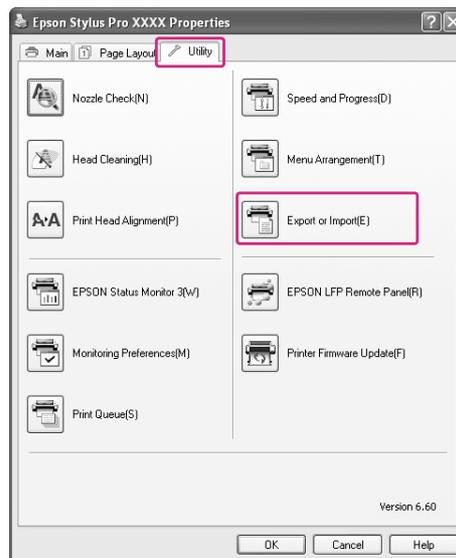


3. Select the file you want to import, and then click **Open**.

### **Exporting or importing all settings**

You can export or import the all of the printer driver settings as a file.

1. Click the **Utility** tab, and then click **Export or Import**.



2. Click **Export** or **Import**.



3. To export the setting, enter the file name and then click **Save**. To import the setting, select the file you want to import and then click **Open**.

## Using Color Management

You can perform color management by the printer driver in the following three ways.

- ❑ **Color management by Driver ICM (Windows only)**  
You can perform color management by using the printer driver only. It is useful when you use an application that does not support this function. It prints using the color management function of the operating system.
- ❑ **Color management by Host ICM/ ColorSync**  
An application needs to support a color management system. Since it prints using the color management function of the operating system, you can obtain the prints by the same color management system even when performing the function using different applications. However, the printed colors may differ depending on the version of the operating system.
- ❑ **Color management by application**  
An application needs to support a color management system. Since it prints using the color management function of an application in common, you can obtain the print results by using the same color management system even when performing the function with a different operation system.

### Setting profiles

Setting for an input profile, printer profile, and intent vary depending on each color management system. This is because the usage of color management is different between the engines.

	<b>Input profile</b>	<b>Output profile</b>	<b>Intent setting</b>
<b>Driver ICM</b>	Printer driver	Printer driver	Printer driver
<b>Host ICM (Windows)</b>	Application	Printer driver	Printer driver
<b>ColorSync (Mac OS)</b>	Application	Printer driver	Application

	<b>Input profile</b>	<b>Output profile</b>	<b>Intent setting</b>
<b>Application</b>	Application	Application	Application

The printer profile for each sheet that is needed when performing color management is installed with the printer driver of this product. You can select the profile in the settings dialog box of the printer driver.

See the following for detailed information.

See “Color management by Driver ICM (Windows only)” on page 104

See “Color management by Host ICM (Windows)” on page 107

See “Color management by ColorSync (Mac OS X)” on page 110

See “Color management by application” on page 112

**Note:**

*Even when you use the same image data, it looks different between an original image and a displayed image. The printing result may look different as well from the image you see on the display. This occurs from the difference of characteristics between the input and output devices. Input devices such as a scanner or digital camera import the color as electronic data while output devices reproduce an image based on the color data. To adjust the color between the devices, use a color management system. Each operating system is equipped with a color management system, such as ICM for Windows and ColorSync for Mac OS X. Also, some image editing software support color management systems.*

*In a color management system, a color definition file called "Profile" is used for performing color matching between devices. (This file is also called an ICC profile.) 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). The profile is prepared for each printer model and each media type. The color conversion area by an input device and the color reproducing area by an output device are different. As a result, there exists a color area that fails to match even if performing "color matching" by using the profile. In the color management system, specify the condition of conversion for the area that fails to match as "Intent" other than specifying profiles. The name and type of intent vary depending on the color management system you are using.*

*If you perform the color management between an input device and the printer, you cannot match the color of the printing result and image you see on the display. To match both colors, you need to perform the color management between the input device and the display as well.*

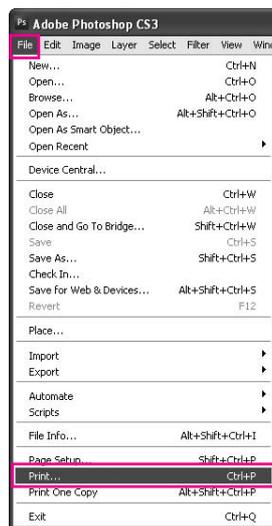
## Color management by Driver ICM (Windows only)

1. If the application supports color management, refer to the table below to adjust color management settings in the application.

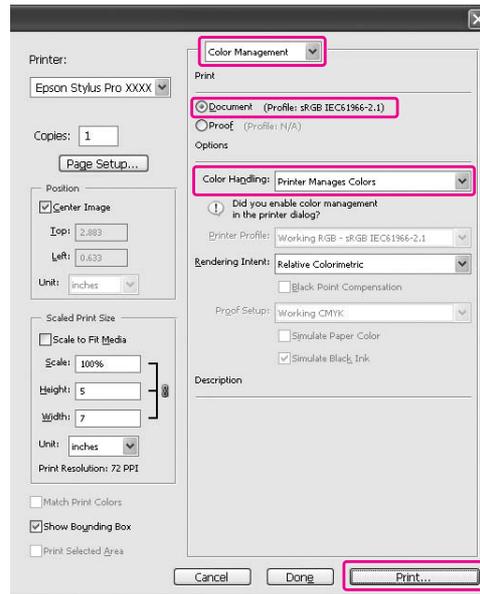
Application	Setting of Color management
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6/7	Printer Manages Colors
Other Applications	No Color Management

### Using Adobe Photoshop CS3

2. From the File menu, select **Print**.



3. Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.

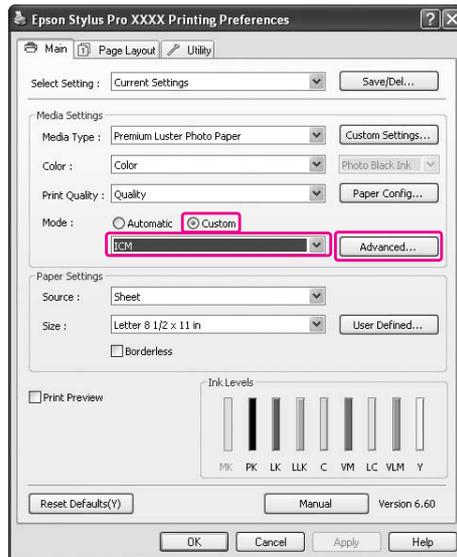


When using this function with an application which does not support a color management function, you need to perform the color matching process from step 4.

4. Open the printer driver window.

See “From Windows applications” on page 11

5. Select **Custom** for the Mode in the Main menu, and select **ICM**, and then click **Advanced**.

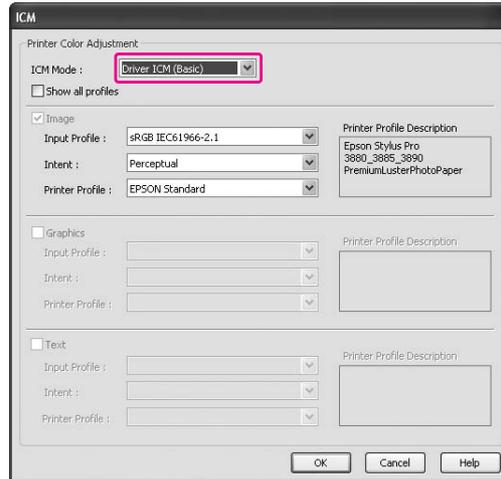


6. In the ICM dialog box, select **Driver ICM (Basic)** or **Driver ICM (Advanced)** for the ICM Mode.

If you select **Driver ICM (Advanced)**, you can specify the profiles and intent for image, graphics, and text data individually.

Intent	Explanation
Saturation	Performs conversion, keeping the current saturation unchanged.
Perceptual	Performs conversion so that a more visually natural image is produced. This feature is used when a wider gamut of color is used for image data.
Relative Colorimetric	Performs conversion so that a set of color gamut coordinates and white point (or color temperature) coordinates in original data match their corresponding print coordinates. This feature is used for many types of color matching.

Intent	Explanation
Absolute Colorimetric	Assigns absolute color gamut coordinates to both of original and print data and performs conversion. Therefore, color tone adjustment is not performed on any white point (or color temperature) for the original or print data. This feature is used for special purposes such as logo color printing.



7. Check other settings, and then start printing.

## Color management by Host ICM (Windows)

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

When using Adobe Photoshop CS3/CS4, Adobe Photoshop Lightroom and Adobe Photoshop Elements 6 in Mac OS X 10.5, the color management by the Host ICM or ColorSync cannot be used. Use the color management function of the application.

1. Refer to the table below to adjust color management settings in the application.

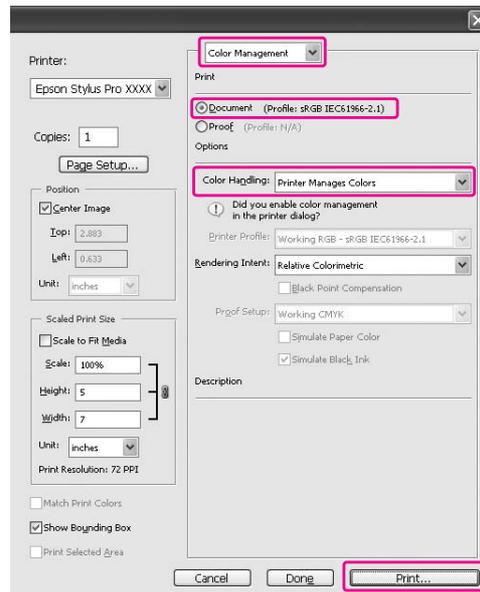
Application	Setting of Color management
Adobe Photoshop CS3/CS4 Adobe Photoshop Lightroom Adobe Photoshop Elements 6/7	Printer Manages Colors
Other Applications	No Color Management

### Using Adobe Photoshop CS3

- From the File menu, select **Print**.



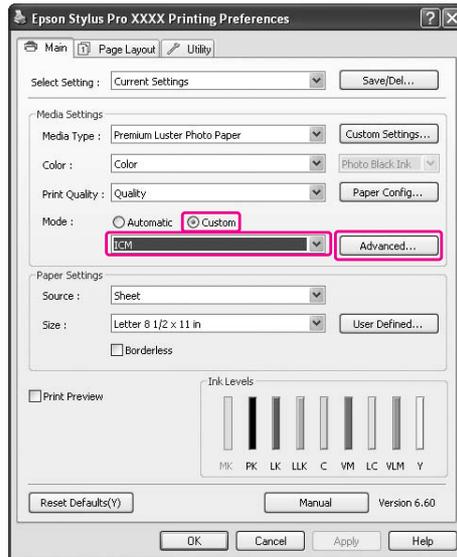
- Select **Color Management**. In the Print section, select **Document** and choose **Printer Manages Colors** for Color Handling. Click **Print**.



- Open the printer driver window.

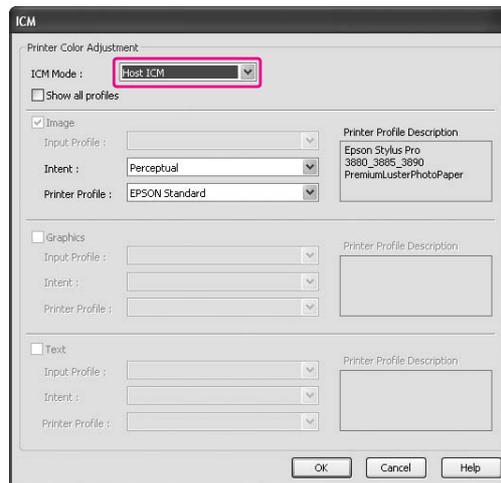
See “From Windows applications” on page 11

5. Select **Custom** for the Mode in the Main menu, and select **ICM**, and then click **Advanced**.



6. Select **Host ICM**.

The printer profile is selected automatically. You can change it by selecting the Show all profiles check box.



7. Check other settings, and then start printing.

## Color management by ColorSync (Mac OS X)

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

### For Mac OS X 10.5

When you want to perform color management by the ColorSync using an application other than Adobe Photoshop CS3/CS4, Adobe Photoshop Lightroom and Adobe Photoshop Elements 6, make the following settings.

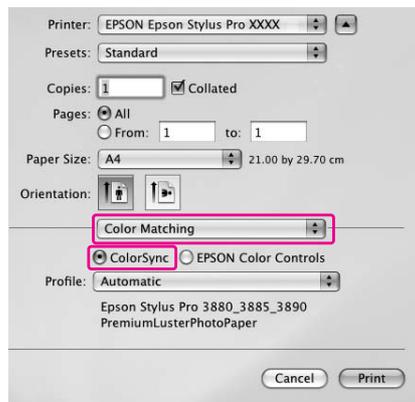
**Note:**

*This procedure can not be used to adjust color management settings in Adobe Photoshop CS3/CS4, Adobe Photoshop Lightroom and Adobe Photoshop Elements 6.*

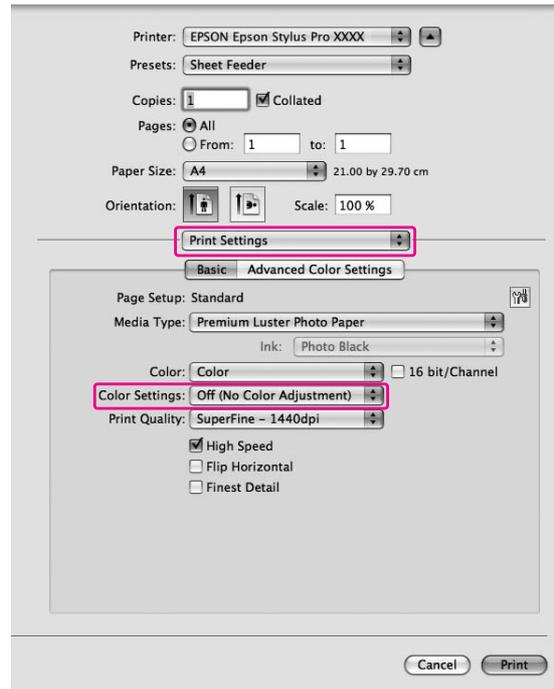
1. Disable color management in the application.
2. Open the Print dialog.

See “Accessing the Print dialog” on page 31

3. In the Print dialog box, select **Color Matching**, and then select **ColorSync**.



4. Select **Print Settings** from the list, and select **Off (No Color Adjustment)** for the Color Settings.



### **For Mac OS X 10.3.9 to 10.4**

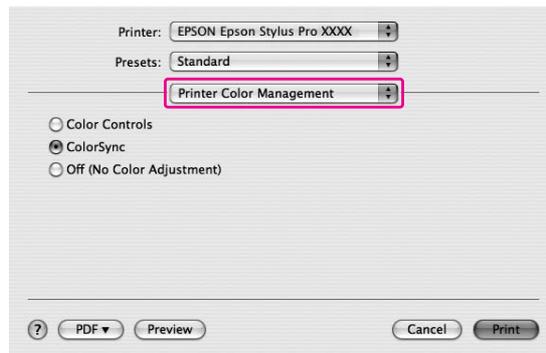
1. Disable color management in the application.

#### **Using Adobe Photoshop CS3**

2. Select **Print** in the application File menu.
3. Select **Color Management** and choose **No Color Management** for Color Handling. Click **Print**.
4. Open the Print dialog.

See “Accessing the Print dialog” on page 31

5. Select **Printer Color Management**, and then select **ColorSync**.



6. Check other settings, and then start printing.

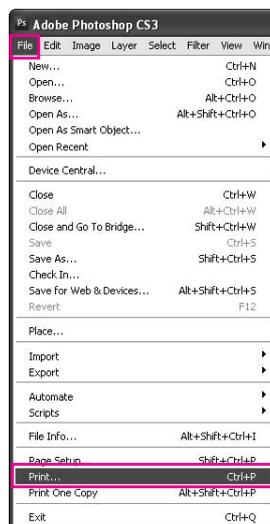
## Color management by application

The following procedure is for applications that support color management.

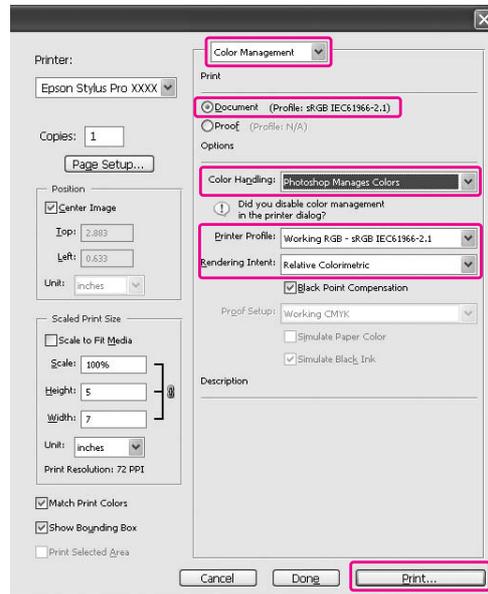
1. Set the color management setting in the application.

### Using Adobe Photoshop CS3

2. From the File menu, select **Print**.



3. Select **Color Management**, and select **Document** for the Print. Select **Photoshop Manages Colors** for the Color Handling. Select the Printer Profile and the Rendering Intent. Then click **Print**.



4. Open the printer driver window (Windows) or the Print dialog (Mac OS X).

Windows

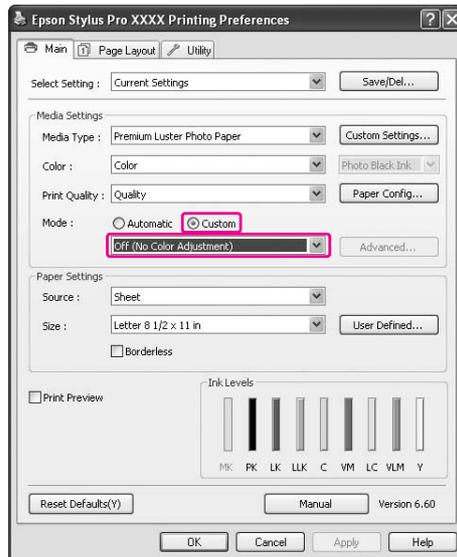
See “From Windows applications” on page 11

Mac OS X

See “Accessing the Print dialog” on page 31

5. Set the color management to off.

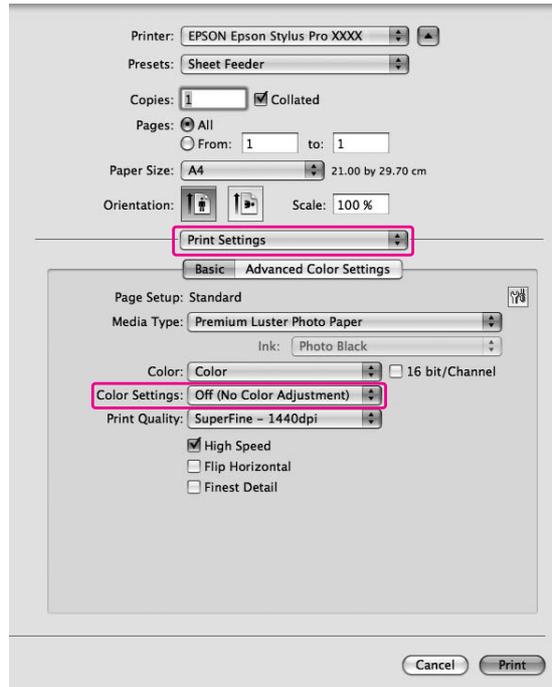
For Windows, select **Custom** for the Mode in the Main menu, and then select **Off (No Color Adjustment)**.



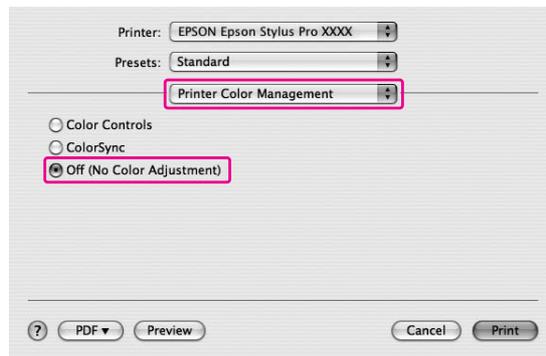
**Note:**

*When using Windows Vista/Windows XP Service Pack 2 or later and .NET 3.0, **Off (No Color Adjustment)** is automatically selected.*

For Mac OS X 10.5, select **Print Settings** and select **Off (No Color Adjustment)** for the Color Settings.



For Mac OS X 10.3.9 to 10.4, select **Off (No Color Adjustment)** in the Printer Color Management dialog.



6. Check other settings, and then start printing.

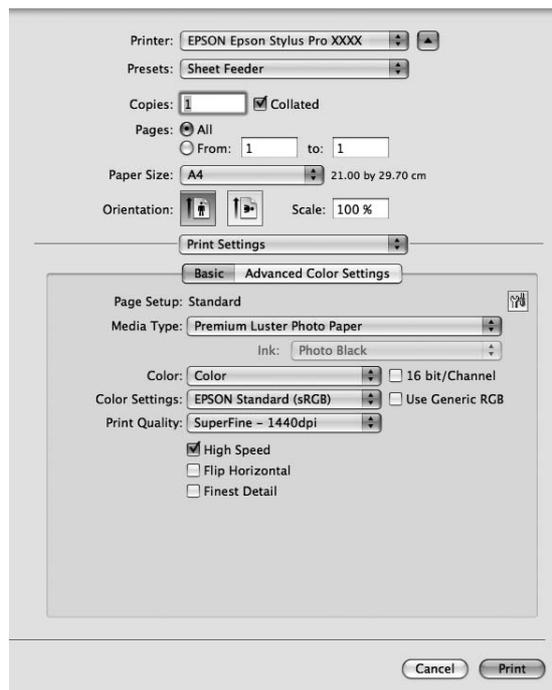
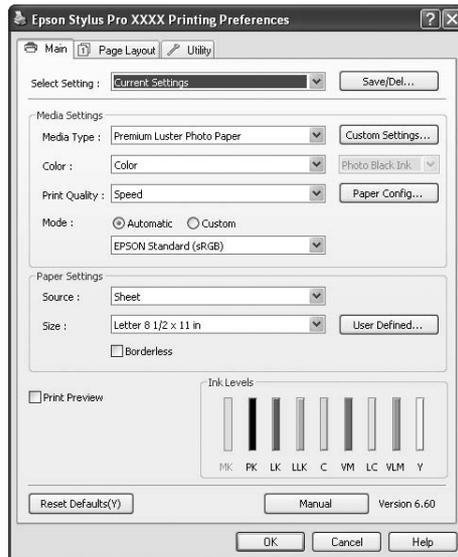
## ***Changing the Black Ink***

Both Photo and Matte Black ink are installed in this printer.

Photo Black ink can be used for most media types with professional quality results. Matte Black ink significantly increases black optical density when printing on matte and fine art type papers. These black inks are switched automatically according to the media type.

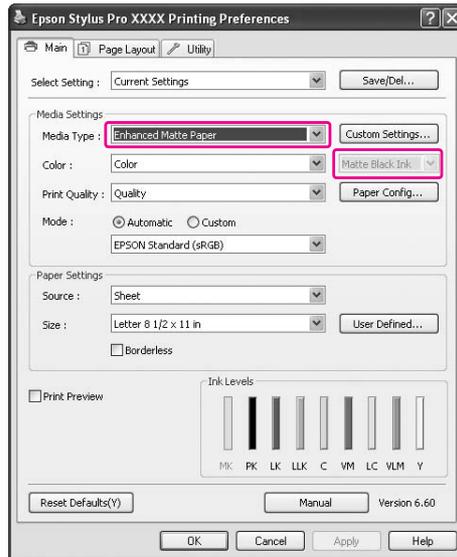
See “Paper Information” on page 194 for the suitable black ink for the media type.

1. Open the **Main** menu (Windows) or the Print Settings dialog (Mac OS X).



2. Select the paper from the Media Type.

The black inks are switched automatically according to the media type.



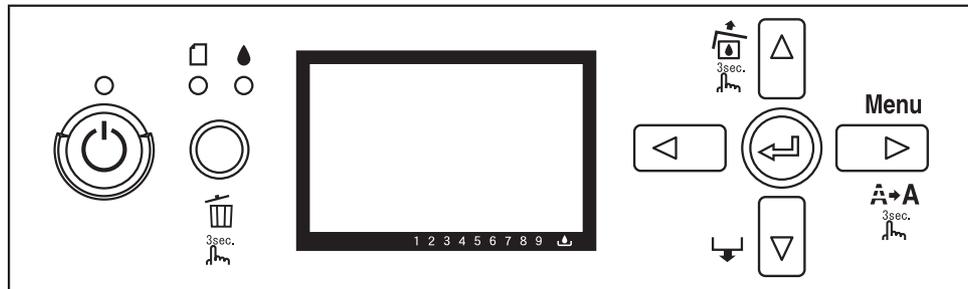
3. Check the other settings, and then start printing.

## Chapter 4

# 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.

Button		Description
5	Paper Feed/Down button ▼	<p>Feeds the paper in forward direction.</p> <p>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.</p> <p>Loads a sheet from the paper source to the printing position automatically.</p> <p>Changes the parameters in forward order when selecting a desired parameter in Menu mode.</p>
6	Menu/Right button ►	<p>Enters Menu mode when pressed in the READY state. When pressed in Menu mode, a desired menu can be selected.</p> <p>Enters PRINTER STATUS menu if pressed during printing.</p> <p>Cleans the print head if pressed and held for 3 seconds.</p>
7	Enter button ↵	<p>Sets the selected parameter in the selected item in Menu mode.</p> <p>Executes the item if the selected item is for execution only.</p>

## 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)	<p>On: The printer is in the READY status.</p> <p>Flashing: The printer is printing. The printer is cleaning the print head. The printer is drying ink on the printed paper.</p> <p>Off: The printer is off.</p>
9	Paper status light (orange) 	<p>On: No paper is loaded in the paper source. The loaded paper is too thick for head cleaning.</p> <p>Flashing: Paper is jammed. Paper is not loaded straight. Paper is not detected. Cut sheet is not ejected correctly.</p>

Light		Description
10	Ink status light (orange) 	<p>On:</p> <p>The installed ink cartridge is expended.  The installed ink cartridges cannot be used with this printer.  The maintenance cartridge is full.</p> <p>Flashing:</p> <p>The installed ink cartridge is nearly expended.  The maintenance cartridge is nearly full.</p>

**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 177.

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.

Message	Description
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

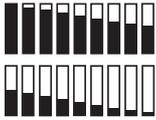
Icons	Description
	Sheet

### Platen Gap icon

Icons	Description
	Widest
	Wider
	Wide
	Narrow

### Ink cartridge status icon

Displays the ink cartridge status.

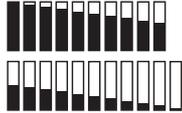
Icons	Description
	Ink cartridge status, 100 - 1%
	Ink expended
	Cartridge error or no cartridge
	Unselected Photo Black or Matte Black cartridge.

**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.

**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

#### PRINTER SETUP

Item	Parameter
"PLATEN GAP" on page 128	NARROW, STANDARD, WIDE, WIDER, WIDEST
"PAPER SIZE CHECK" on page 128	ON, OFF
"INITIALIZE SETTINGS" on page 129	EXECUTE

#### TEST PRINT

Item	Parameter
"NOZZLE CHECK" on page 129	MANUAL, AUTO
"STATUS SHEET" on page 129	PRINT
"NETWORK STATUS SHEET" on page 129	PRINT
"JOB INFORMATION" on page 129	PRINT
"CUSTOM PAPER" on page 129	PRINT

#### PRINTER STATUS

Item	Parameter
"VERSION" on page 129	xxxxxx-xx xx ICBS
"PRINTABLE PAGES" on page 130	MATTE BLACK nnnnnnn PAGES
	PHOTO BLACK nnnnnnn PAGES
	LIGHT BLACK nnnnnnn PAGES
	LIGHT LIGHT BLACK nnnnnnn PAGES
	CYAN nnnnnnn PAGES
	VIVID MAGENTA nnnnnnn PAGES
	LIGHT CYAN nnnnnnn PAGES
	VIVID LIGHT MAGENTA nnnnnnn PAGES
	YELLOW nnnnnnn PAGES
"INK LEVEL" on page 130	MATTE BLACK nn%
	PHOTO BLACK nn%
	LIGHT BLACK nn%
	LIGHT LIGHT BLACK nn%
	CYAN nn%
	VIVID MAGENTA nn%
	LIGHT CYAN nn%
	VIVID LIGHT MAGENTA nn%
YELLOW nn%	
"MAINTENANCE CART." on page 130	MAINTENANCE CART. nn%
"USAGE COUNT" on page 130	INK xxxxx.xml
"CLEAR USAGE COUNT" on page 130	EXECUTE
"JOB HISTORY" on page 130	No. 0-No. 9
"TOTAL PRINTS" on page 130	nnnnnn PAGES

## CUSTOM PAPER

Item	Parameter
"PAPER NUMBER" on page 130	STANDARD, PAPER NO.1-10
"PAPER TYPE" on page 131	MATTE THICK, MATTE THIN, PHOTO PAPER, FINE ART PAPER, REMOTE PANEL PAPER
"PLATEN GAP" on page 131	NARROW, STANDARD, WIDE, WIDER
"THICKNESS PATTERN" on page 131	PRINT
"THICKNESS NUMBER" on page 131	1 - 15
"PAPER FEED ADJUST A " on page 131	-0.70% - 0.70%
"PAPER FEED ADJUST B" on page 132	-0.70% - 0.70%
"DRYING TIME" on page 132	0.0 SEC- 10.0 SEC

## MAINTENANCE

Item	Parameter
"BLACK INK CHANGE" on page 132	EXECUTE
"POWER CLEANING" on page 132	EXECUTE
"CLOCK SETTING" on page 132	YY/MM/DD HH:MM MM/DD/YY HH:MM
"CONTRAST ADJUSTMENT" on page 132	-20 - 0 - +20

## HEAD ALIGNMENT

Item	Parameter
"AUTO" on page 132	PREM. GLOSSY/LUSTER PQ INK JET PAPER ENHANCED MATTE PAPER
"MANUAL" on page 132	0.1 - 0.5 mm

## NETWORK SETUP

Item	Parameter
"NETWORK SETUP" on page 133	DISABLE, ENABLE

Item	Parameter
"IP ADDRESS SETTING" on page 133	AUTO, PANEL, PING
"IP, SM, DG SETTING" on page 133	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 133	ON, OFF
"MS NETWORK" on page 133	ON, OFF
"BONJOUR" on page 133	ON, OFF
"INIT NETWORK SETTING" on page 133	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 134.

#### **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 “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37.*

### STATUS SHEET

You can print the current printer status. For details, see “Printing a status sheet” on page 141.

### 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 CART.

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 137.

### 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 PAPER, 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 135.

## **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:**

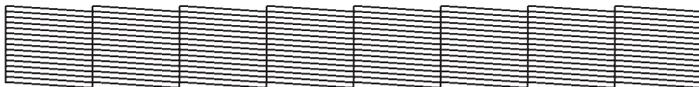
*When you select AUTO, the printer not only checks for clogged nozzles, but also performs head cleaning automatically. If you just want to print a nozzle check pattern to see whether nozzles are clogged, select MANUAL.*

6. Press the **Menu/Right ▶** button to display PRINT.
7. 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 “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37.

## 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

1. 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.
2. Press the **Menu/Right ►** button to enter Menu mode.
3. 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.

<b>PREM._GLOSSY/LUSTER</b>	Premium Glossy Photo Paper
	Premium Luster Photo Paper
<b>P_Q_INK_JET_PAPER</b>	Photo Quality Ink Jet Paper

<b>ENHANCED_MATTE_PAPER</b>	Enhanced Matte Paper
	Archival Matte Paper

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

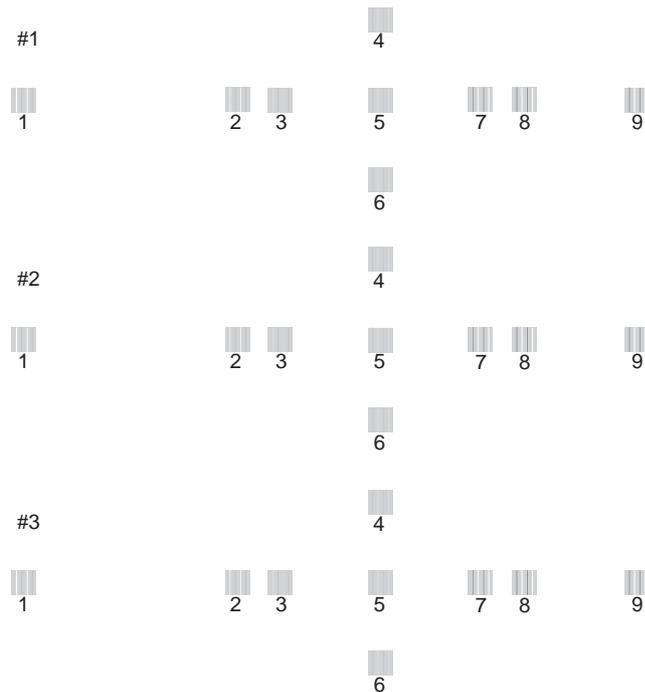
After the head alignment is completed, the printer exits Menu mode and returns to the **READY** status.

### ***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.

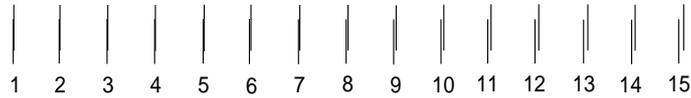
1. Load the paper that you want to check.
2. Press the **Menu/Right ▶** button to enter Menu mode.
3. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to display `CUSTOM PAPER`.
4. Press the **Menu/Right ▶** button to display `PAPER NUMBER`.
5. Press the **Menu/Right ▶** button, and 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.

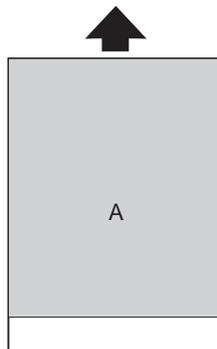
6. Press the **Enter ↵** button to register the paper number.
7. Select `PAPER TYPE`, and then press the **Menu/Right ▶** button. Press the **Paper Feed/Down ▼** or **Ink Cover Open/Up ▲** button to select `MATTE THICK`, `MATTE THIN`, `PHOTO PAPER`, or `FINE ART PAPER`. Then press the **Enter ↵** button.
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. %, the control panel settings override the driver settings.
4. Press the **Enter ↵** button. If you select No. %, 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.

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## 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** 𐄂 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 142	ENGLISH, FRENCH, ITALIAN, GERMAN, SPANISH, PORTUGUE, DUTCH	-
"UNIT" on page 143	METRIC, FEET/INCH	-
"DEFAULT PANEL" on page 143	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 5

### 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. For information on Epson special media, see “Epson Special Media” on page 221.

**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 White Semimatte
	Archival (Enhanced) 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.

<b>Epson special media</b>	<b>Size</b>	<b>Loadable capacity in the Auto Sheet Feeder</b>
Premium Glossy Photo Paper	89 × 127 mm	20
	5 × 7 in	20
	102 × 181 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
	USC	1
Premium Luster Photo Paper	LTR	20
	A3	10
	Super A3/B	10
	A2	1
	US C	1

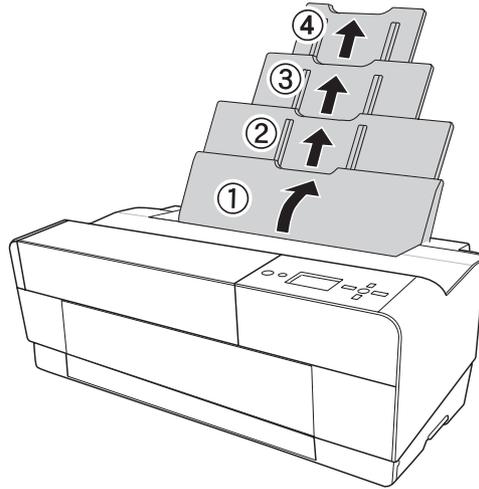
<b>Epson special media</b>	<b>Size</b>	<b>Loadable capacity in the Auto Sheet Feeder</b>
Photo Quality Ink Jet Paper	A4	60
	LTR	60
	LGL	50
	US B	50
	A3	50
	Super A3	50
	A2	10
	US C	10
Epson Proofing Paper White Semimatte	Super A3/B	1
Archival (Enhanced) Matte Paper	LTR	20
	A4	20
	A3	10
	Super A3/B	10
	A2	1
	US C	1

### ***Loading paper from the Auto Sheet Feeder***

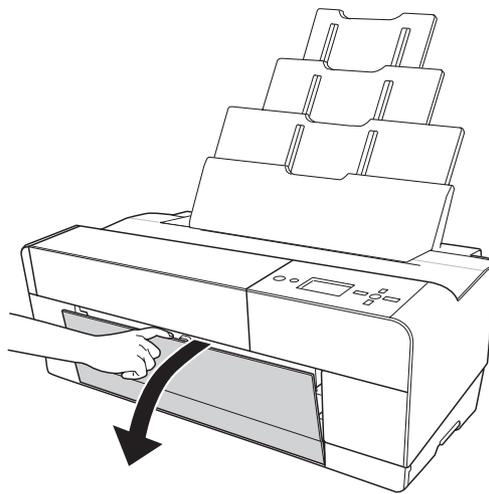
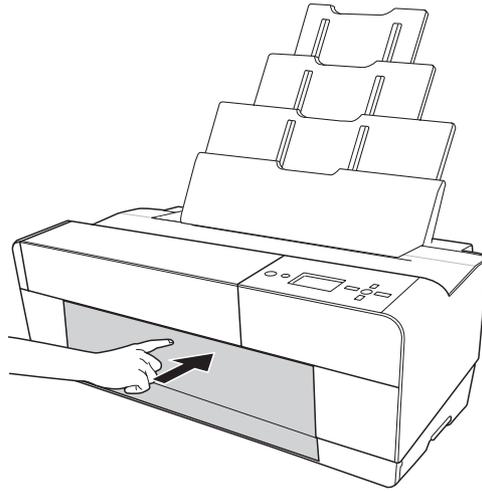
Follow the steps below to load the paper from the Auto Sheet Feeder.

1. Make sure the printer is on and in the **READY** state.

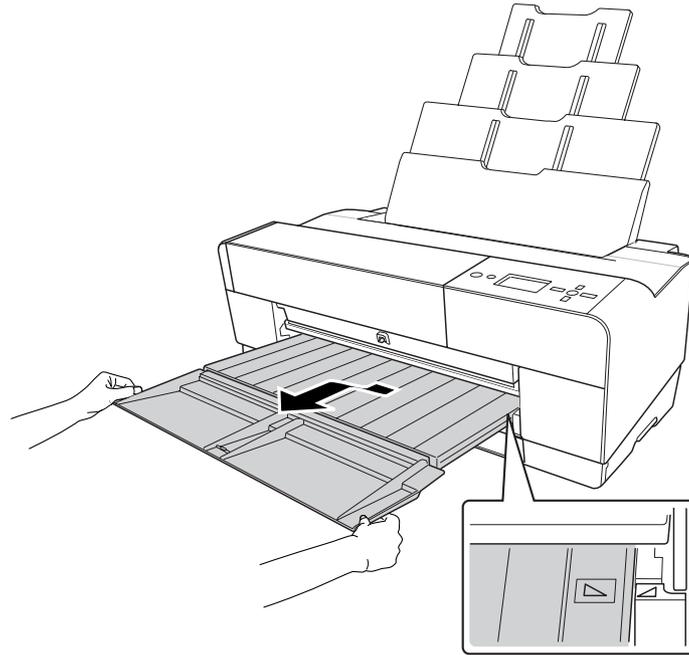
2. Extend the paper guide according to the paper size.



3. Push the output tray cover, and then open it by hand fully.



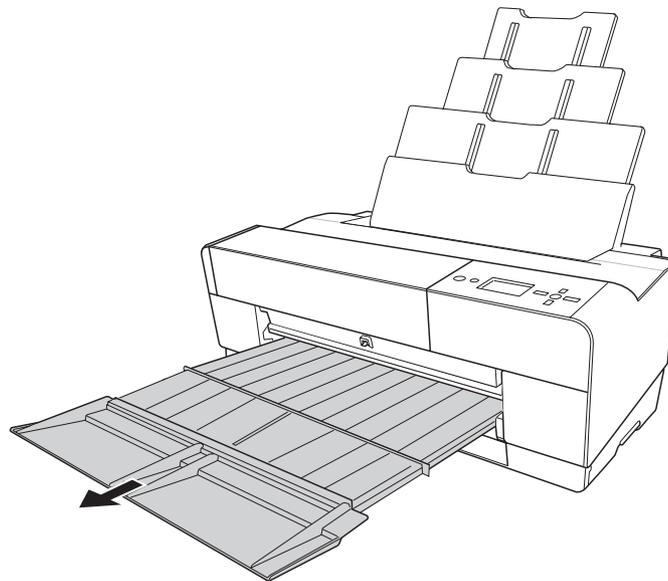
4. Raise and pull out the output tray extension while pulling it out.



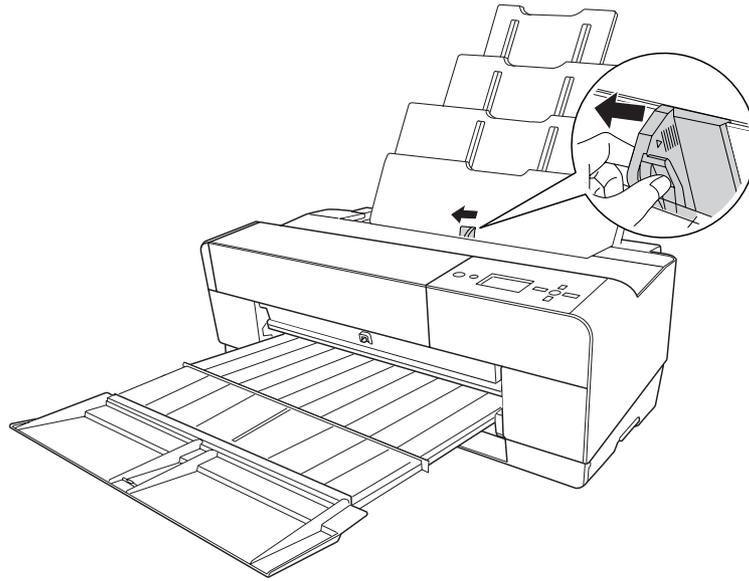
**Note:**

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

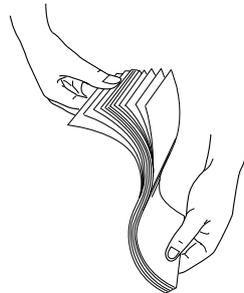
5. Pull out the output tray extension according to the paper size. If you do not extend it properly, the printout may fall.



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

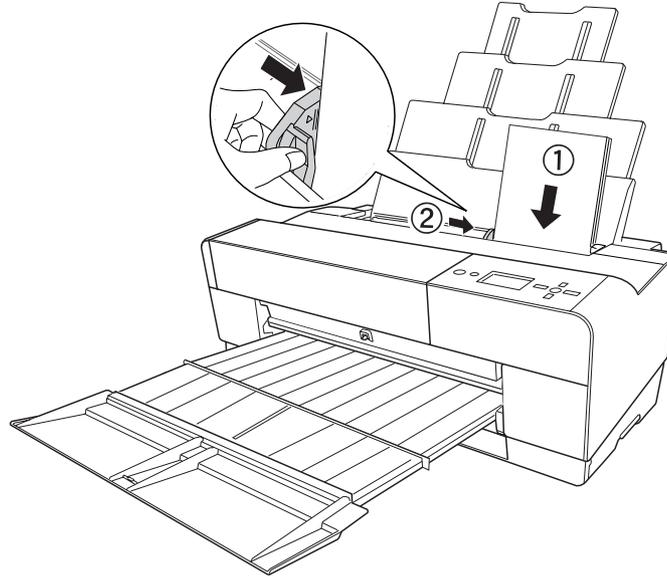


- Fan a stack of paper, and then tap it on a flat surface to even the edges.



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.

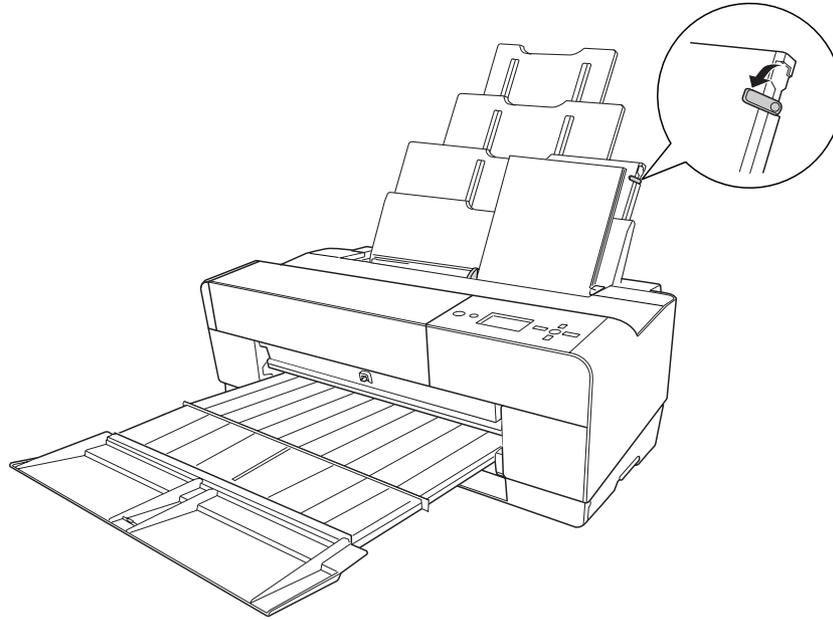


**Caution:**

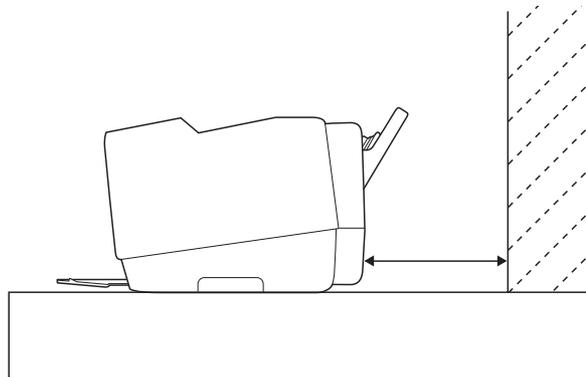
- During printing the edge guide automatically moves 3 mm to the outside. Do not move it back manually.*
- Do not leave the paper in the printer for a long period of time; its quality will deteriorate. We recommend that you remove the paper from the printer after printing.*

**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.



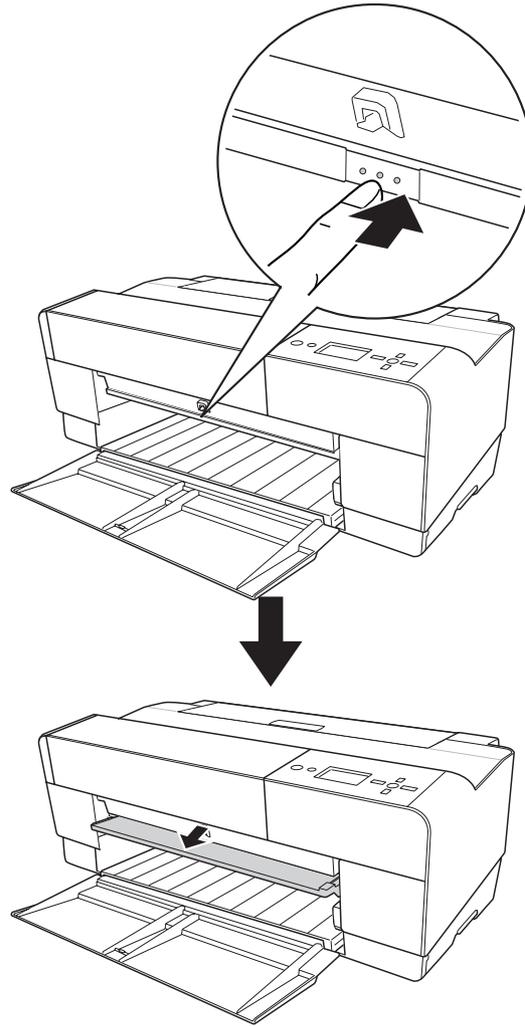
Paper size	Space
A2	450 mm
Super A3/B	340 mm

A3	280 mm
A4	160 mm

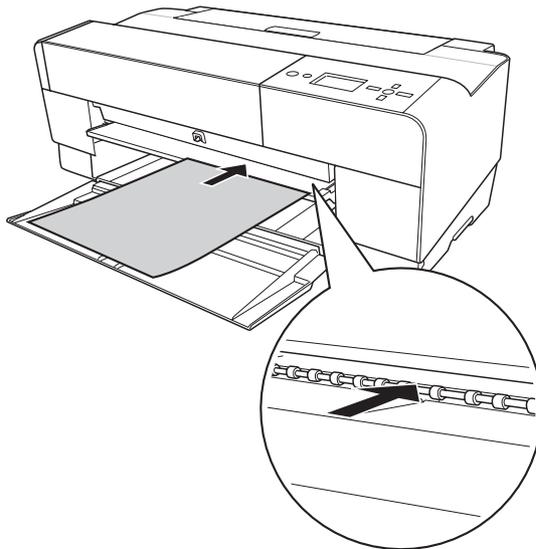
**Note:**

- 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 128 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.

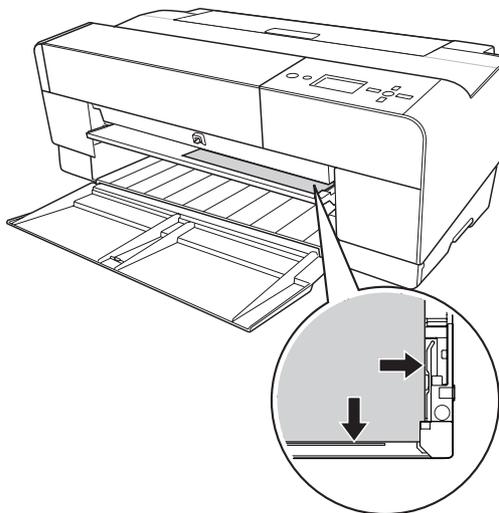
2. Push the front manual tray a little harder, then the front manual tray is pushed out.



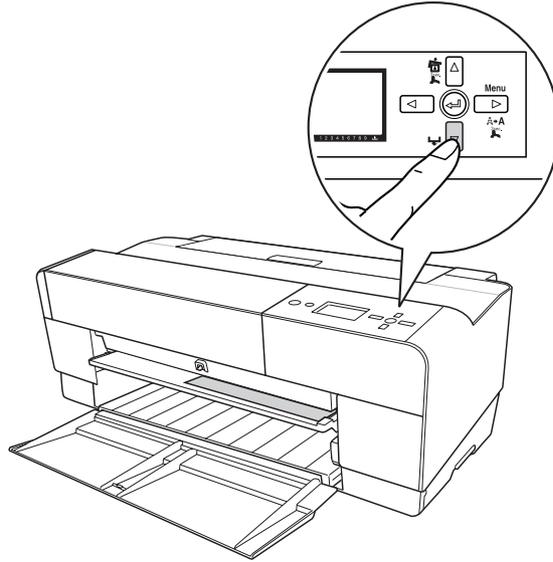
3. Insert a sheet to where paper is usually ejected.



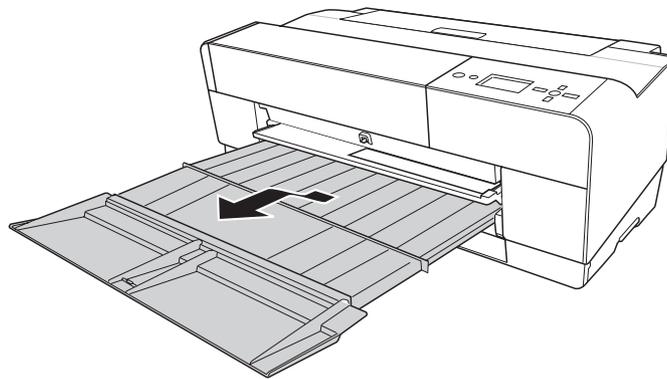
4. Adjust the right edge of the paper resting against the right side of the front manual tray, and also align the bottom edge of the paper with the white line.



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.*

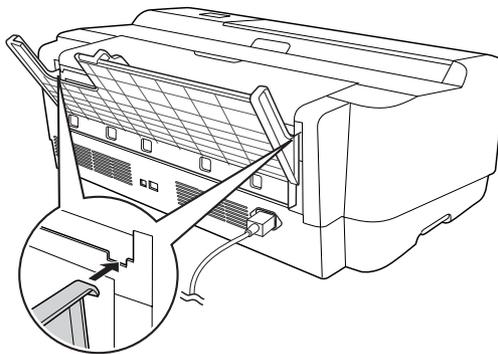
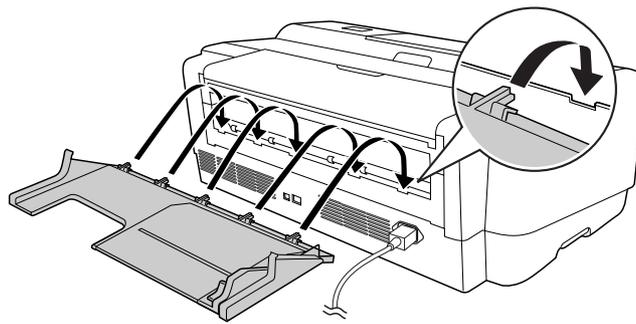
**Note:**

*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.



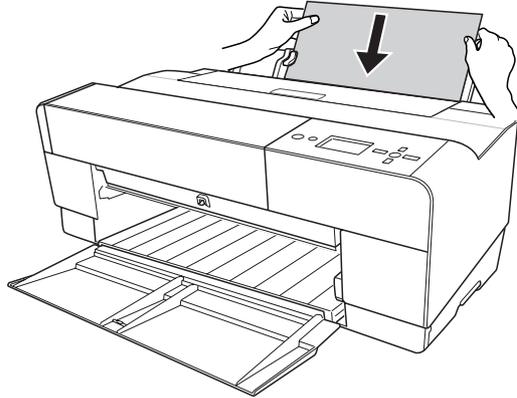
3. Slide the edge guide to the left so it is slightly wider than the width of your paper.



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.

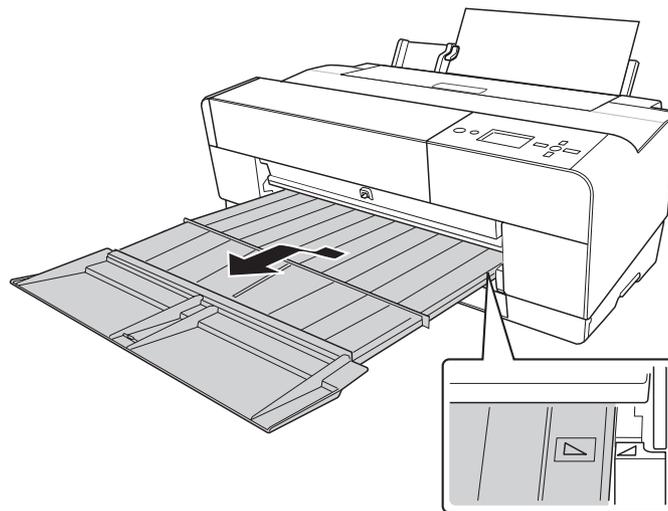


The printer automatically feeds the paper to the printing position.

**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 6

# 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.*
- ❑ *The printer consumes ink from all cartridges during start up and periodically during printing to keep the print head nozzles from clogging.*

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 220.

To replace an ink cartridge, follow the steps below.



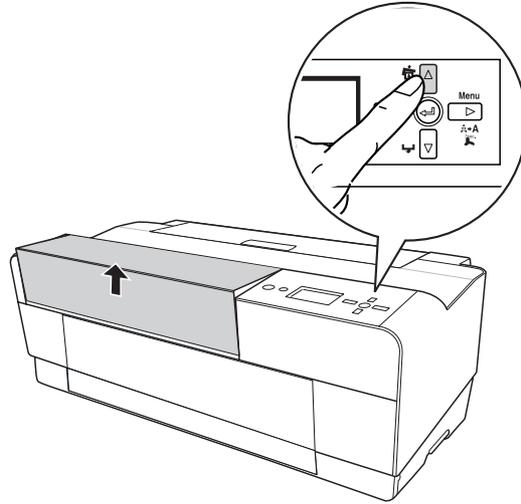
**Caution:**

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

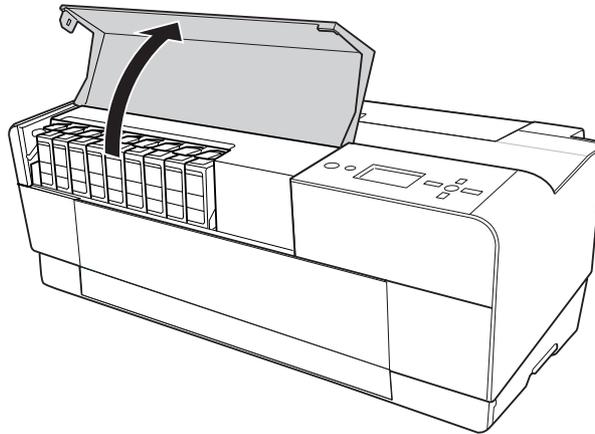
1. Make sure the printer is on. Find out which cartridge needs to be replaced, as indicated by the ink icon on the printer's control panel.
2. Press the **Ink Cover Open/Up ▲** button for 3 seconds to unlock the ink cover.

**Note:**

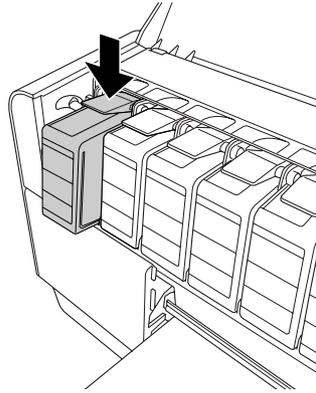
When ink is expended (INK CARTRIDGE REPLACE INK CARTRIDGE appears on the LCD panel), the ink cover opens simply by pressing the Ink Cover Open/Up ▲ button.



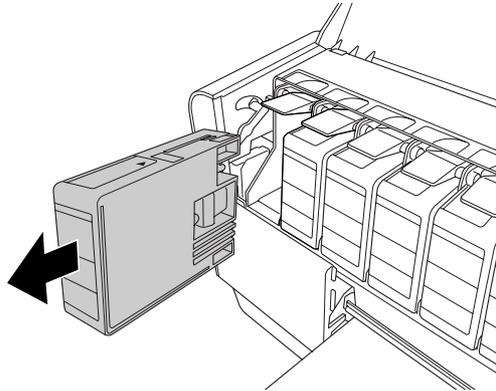
3. Open the ink cover.



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.*

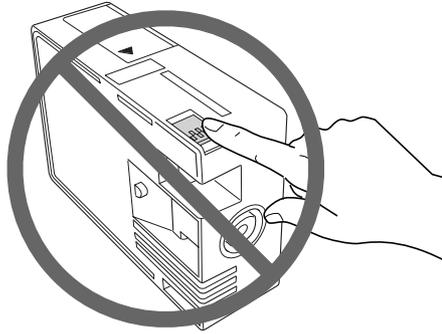
**Caution:**

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

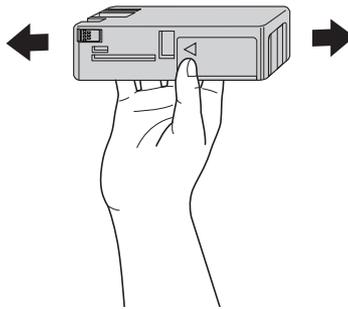
6. Make sure the replacement ink cartridge is the correct color, and remove it from the package.

**Caution:**

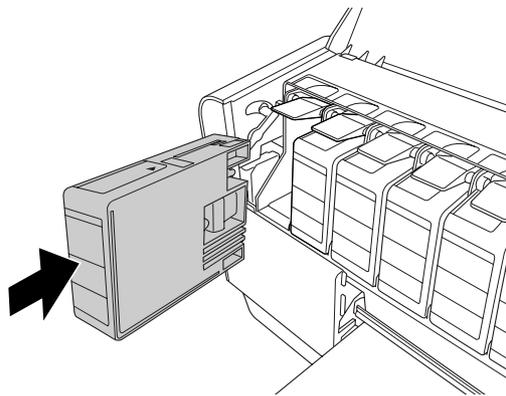
*Do not touch the green chip on the side of the cartridge. Doing so may prevent normal operation and printing.*



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



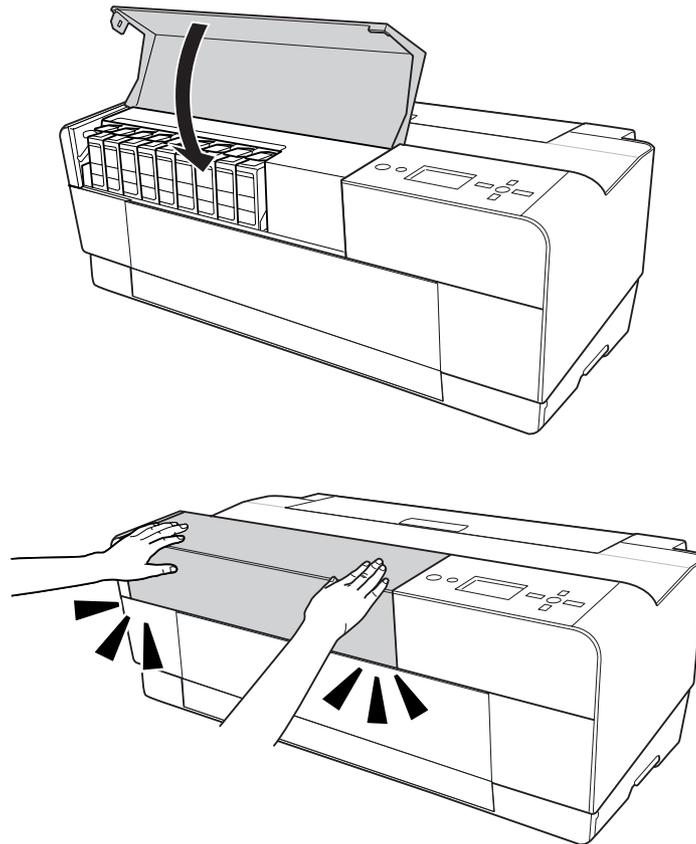
8. Hold the ink cartridge with the arrow mark facing up and pointing to the rear of the printer, and then insert it into the slot as far as it will go until it clicks.



**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.



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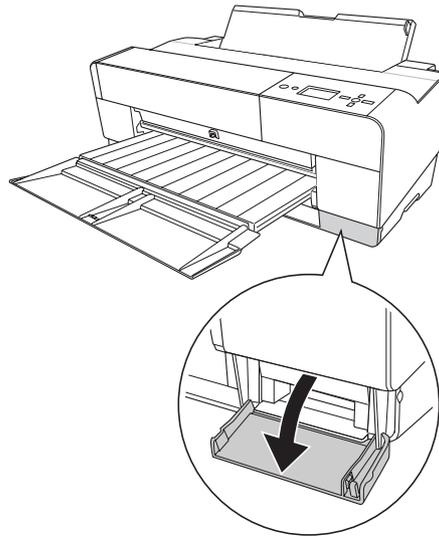
## Replacing the Maintenance Cartridge

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

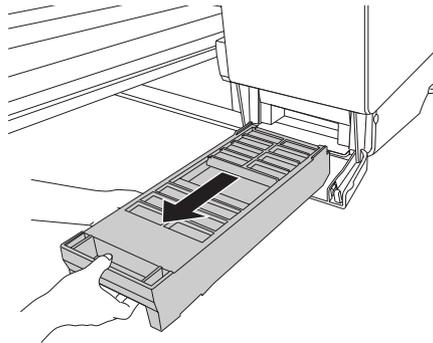
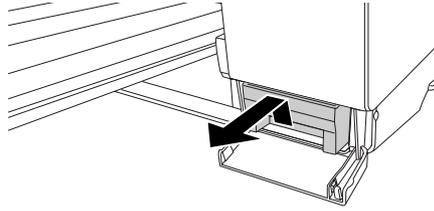
To check the product code of the maintenance cartridge, see “Consumable Products” on page 220.

To replace the maintenance cartridge, follow the steps below.

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

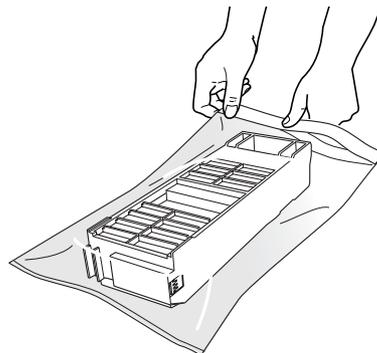


- Put your hand on the handle of the maintenance cartridge, then push up the maintenance cartridge and gently pull it outward.

**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.



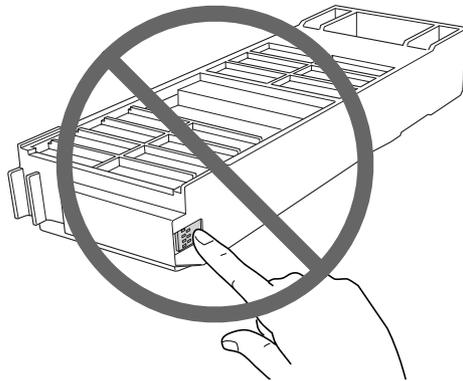
**Note:**

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

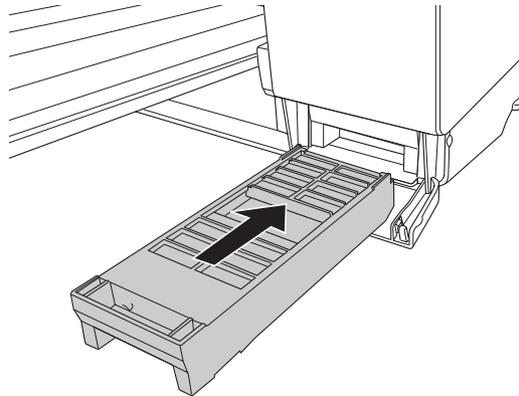
5. Remove the replacement maintenance cartridge from its package.

**Caution:**

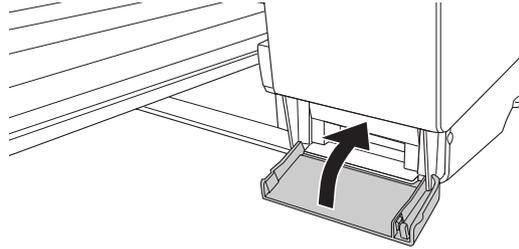
*Do not touch the green chip on the side of the cartridge. Doing so may prevent normal operation.*



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



7. Close the maintenance cartridge cover.



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## 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.*



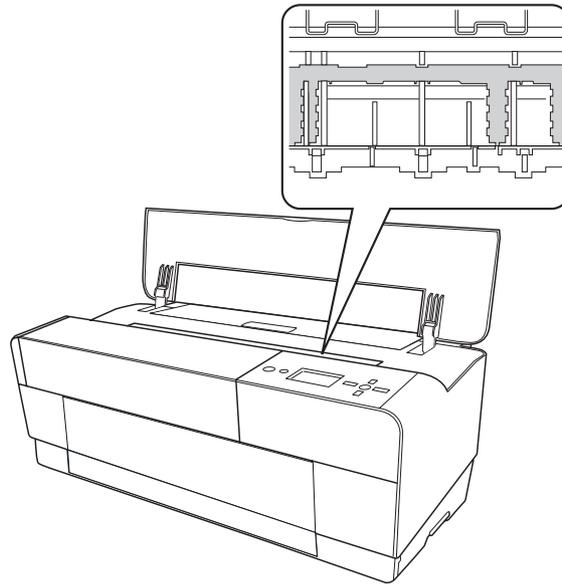
**Caution:**

- 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 201.*
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.

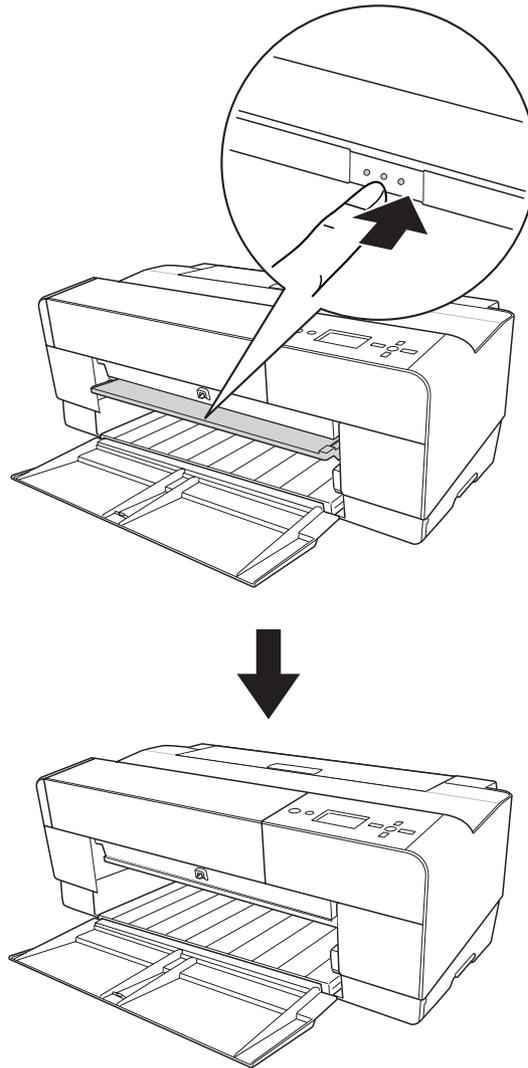


**Caution:**

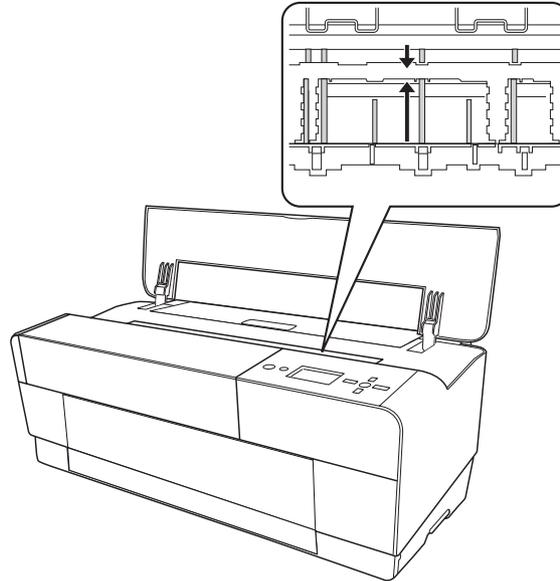
*Do not touch the ink absorption (the light magenta part); otherwise, printouts may be soiled.*



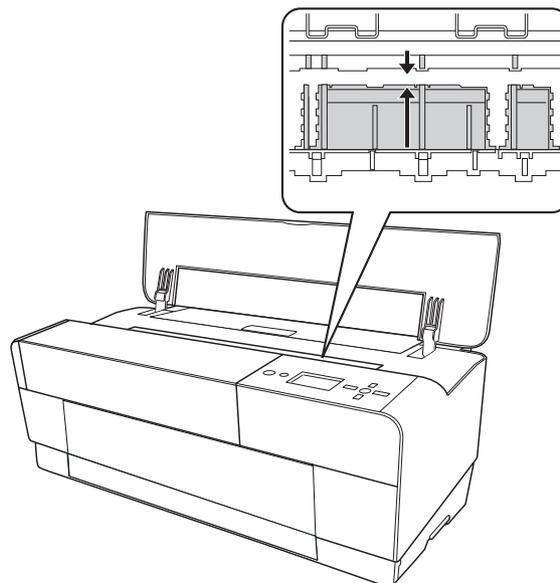
2. If the front manual tray is pushed out, store it by pushing it in.



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 134.

To perform a nozzle check using the printer software, see “Using the Printer Utilities” on page 21 for Windows, or “Using Printer Utilities” on page 37 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 “Using the Printer Utilities” on page 21 for Windows, or “Using Printer Utilities” on page 37 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 201.

### ***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 134.

To perform a nozzle check using the printer software, see “Using the Printer Utilities” on page 21 for Windows, or “Using Printer Utilities” on page 37 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 “Using the Printer Utilities” on page 21 for Windows, or “Using Printer Utilities” on page 37 for Mac OS X.

To realign the print head using the control panel, see “Aligning the print head” on page 135.

To realign the print head using the printer software, see “Using the Printer Utilities” on page 21 for Windows, or “Using Printer Utilities” on page 37 for Mac OS X.

## Chapter 7

### 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 120.

For other messages not included in the following table, see “Messages” on page 121.

##### Error messages

Message	Description	What to do
REPLACE MAINTENANCE CARTRIDGE SOON	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 166.
NOT ENOUGH EMPTY SPACE REPLACE THE MAINTENANCE CARTRIDGE	The maintenance cartridge is almost full.	Replace the maintenance cartridge with a new one. See “Replacing the Maintenance Cartridge” on page 166.
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.

Message	Description	What to do
MAINTENANCE REQUEST NNNN	A part used in the printer has nearly reached the end of its life. "NNNN" shows the code of the part.	Note the code and contact your dealer. See "Contacting Customer Support" on page 201.
CLEANING ERROR PRESS THE DOWN BUTTON AND REMOVE THICK PAPER	Cleaning cannot be executed because thick paper is loaded.	Remove the thick paper.
PAPER REMOVE REMOVE PAPER FROM THE REAR	The paper is removed from the rear manual feed slot.	Remove the paper from the rear manual feed slot.
PAPER FEED ERROR LOAD PAPER CORRECTLY PRESS THE DOWN BUTTON	Double-sided printing has been performed, and the printer could not feed the paper correctly.	Load the paper which just has been ejected, and then press the Paper Feed/Down ▼ button.
PAPER EJECT ERROR PRESS THE DOWN BUTTON AND REMOVE PAPER	The printer could not eject the printout.	Press the Paper Feed/Down ▼ button, and then remove the printout.
PAPER JAM REMOVE PAPER	The paper is jammed.	Remove the jammed paper. See "Clearing paper jams" on page 191 for details.
CLEANING ERROR PRESS THE CANCEL/RESET BUTTON	The nozzles are still clogged.	Press the Cancel/Reset ⏏ button. Then, run the Head Cleaning utility. For Windows, see "Using the Printer Utilities" on page 21. For Mac OS X, see "Using Printer Utilities" on page 37.
PAPER SENSOR ERROR PRESS THE ⏏ BUTTON. LOAD THE CORRECT PAPER	The loaded paper does not match the paper type selected for the Auto Head Alignment.	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 135 for details.
PAPER SENSOR ERROR PRESS THE ⏏ BUTTON LOAD DIFFERENT PAPER	The loaded paper does not match the paper type selected.	Press the Cancel/Reset ⏏ button, and then load the paper that matches with the paper type. See "Aligning the print head automatically" on page 135 for details.
PAPER SIZE ERROR LOAD THE CORRECT SIZE PAPER	The loaded paper size does not match the data size.	Match the loaded paper size to the data size.

Message	Description	What to do
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 "Borderless Printing" on page 65.
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 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 220.

Message	Description	What to do
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 220.
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 162 and "Consumable Products" on page 220.
INK CARTRIDGE NON-GENUINE CARTRIDGE! QUALITY OF NON-GENUINE INK MAY VARY.  ▼  INK CARTRIDGE THIS MAY NOT PERFORM AT OPTIMUM. CONTINUE?  <ACCEPT DECLINE>	Non-genuine ink cartridge is installed.	Select DECLINE (press the Menu/Right ► button) to replace the ink cartridge with a genuine Epson ink cartridge. See "Replacing Ink Cartridges" on page 162. Otherwise, select ACCEPT (press the Back/Left ◀ button).
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 162.
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 AND 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.

Message	Description	What to do
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 CART. REPLACE MAINTENANCE CARTRIDGE	The maintenance cartridge is full.	Replace the maintenance cartridge with a new one. See "Replacing the Maintenance Cartridge" on page 166.
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 166 and "Consumable Products" on page 220.
MAINTENANCE NON-GENUINE MAINTENANCE CARTRIDGE INSTALLED.  ▼  MAINTENANCE CAPACITY TO ABSORB INK MAY VARY. 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 166. Otherwise, select YES (press the Back/Left ◀ button).
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 162 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.

Message	Description	What to do
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 191 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	Print head is locked.	Remove the protective materials from the print head to release the print head.
PLEASE CONTACT TO THE REPAIR CENTER	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 201.

### ***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 201.

**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**, and then click **Printers and Faxes**.
2. Right-click **EPSON Stylus Pro XXXX**.
3. Select **Set As Default Printer**, then close the window.

#### *For Windows Vista*

1. Click , click **Control Panel**, click **Hardware and Sound**, and then click **Printers**.

2. Right-click **EPSON Stylus Pro XXXX**.
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 XXXX** in the Printers window.
3. Select **Set As Default**, then close the Printers window.

#### *For Mac OS X*

Make sure that the printer driver **Epson Stylus Pro XXXX** is correctly added to the Printer Setup Utility (for Mac OS X 10.3.9 or later), or Printer & Fax (for Mac OS X 10.5 or later) and the correct one is selected.

#### ***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**, and then click **Printers and Faxes**.
2. Right-click **EPSON Stylus Pro XXXX**, then select **Properties**.
3. Click the **Ports** tab.
4. Make sure that your printer port is selected.

#### *For Windows Vista*

1. Click , click **Control Panel**, click **Hardware and Sound**, and then click **Printers**.
2. Right-click **EPSON Stylus Pro XXXX**, 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 XXXX** 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 “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37.
- If the Head Cleaning utility does not work, replace the ink cartridges. See “Replacing Ink Cartridges” on page 162.

### ***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 211.
- For Windows, check the **Borderless** check box in the Main menu. Make sure they are correct for the paper size you are using. See “Borderless Printing” on page 65.

- ❑ Make sure the paper set position is correct. See “Using Cut Sheet Media” on page 145.

### ***Inverted image***

For Mac OS X, turn off the **Flip Horizontal** setting in the Print Settings dialog. See the online help for more information.

### ***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. See the online help for more information.
- ❑ 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 the online help for more information.
- ❑ You can produce sharper images with more vivid colors.  
For Windows, click **Custom** for the Mode in the Main menu, and select **Photo Enhance**, and then click **Advanced** to make the Photo Enhance setting. See the online help for more information.
- ❑ For Windows, click **Custom** for the Mode in the Main menu, and select **Color Controls**, and then click **Advanced** to adjust color, brightness, etc. as required. See the online help for more information.  
For Mac OS X, select **Color Controls** in the Printer Color Management selected in the Print dialog. See the online help for more information.

### ***A ruled line shifts***

Perform the print head alignment. If the problem persists, perform the print head cleaning. For Windows, see “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37.

### ***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 the online help for more information.  
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 the online help for more information.  
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 137.
- ❑ Set the PLATEN GAP to WIDE in the PRINTER SETTING of Menu mode. See "PRINTER SETUP" on page 128.

### ***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 188</p>	 <p>"Vertical misalignment or banding" on page 188</p>
 <p>"Color documents print in black only" on page 189</p>	 <p>"Faint printout or gaps" on page 188</p>
 <p>"Blurry or smeared printout" on page 189</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 the online help for more information.  
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 the online help for more information.
- 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 “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37.  
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. See the online help for more information.
- Check the ink status light. If necessary, replace ink cartridges. See “Replacing Ink Cartridges” on page 162.

### **Vertical misalignment or banding**

Try one or more of these solutions:

- For Windows, turn off the **High Speed** setting in the Quality Options dialog box. See the online help for more information.  
For Mac OS X, turn off the **High Speed** setting in the Print Settings selected in the Print dialog. See the online help for more information.
- Run the Print Head Alignment utility. For Windows, see “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37.

### **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 the online help for more information.  
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 the online help for more information.

- ❑ Run the Head Cleaning utility to clear any clogged ink nozzles. For Windows, see “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37. 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 162.
- ❑ Select **Standard** as Platen Gap in the Paper Configuration dialog box. See the online help for more information.

### ***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 the online help for more information. 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 the online help for more information.
- ❑ 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 129.
- ❑ 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 215.
- ❑ 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 “Using the Printer Utilities” on page 21. For Mac OS X, see “Using Printer Utilities” on page 37. 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 the online help for more information. For Mac OS X, make sure **Color** is set in the Print Settings selected in the Print dialog. See the online help for more information.

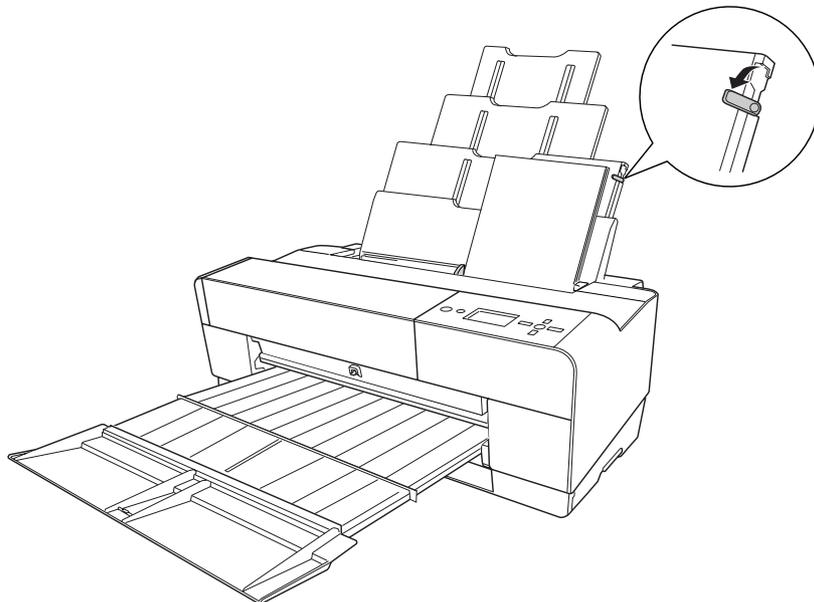
## ***Printing could be faster***

Try one or more of these solutions:

- For Windows, select the **High Speed** check box in the Quality Options dialog box. See the online help for more information.  
For Mac OS X, select the **High Speed** check box in the Print Settings selected in the Print dialog. See the online help for more information.
- For Windows, select **Quality Options** for the Print Quality in the Main menu. In the Quality Options dialog box, move the slider towards **Speed** to increase print speed. See the online help for more information.  
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 the online help for more information.
- 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.
- Delete unnecessary files to make room on your hard disk drive.

## ***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 215.
- 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 the online help for more information.  
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 the online help for more information.
- 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 128.
- For non-Epson special media, check the paper type selected in the **CUSTOM PAPER** of Menu mode. See “Making the paper settings” on page 137.  
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 191.

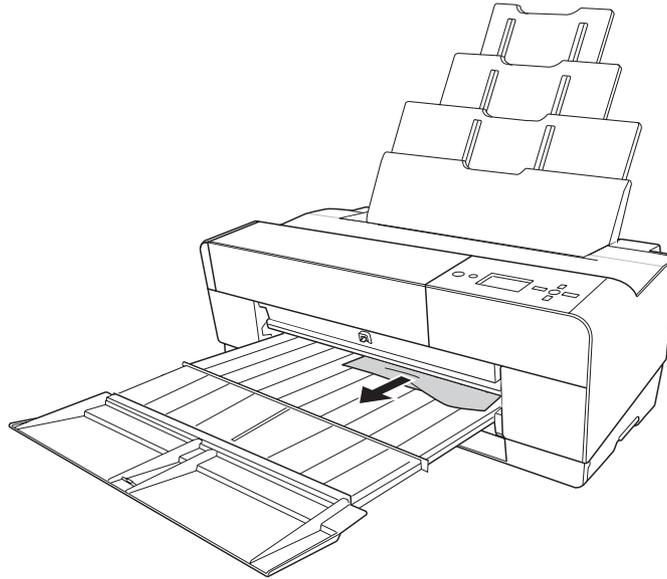
## ***Clearing paper jams***

### ***When paper loaded from the Auto Sheet Feeder is jammed***

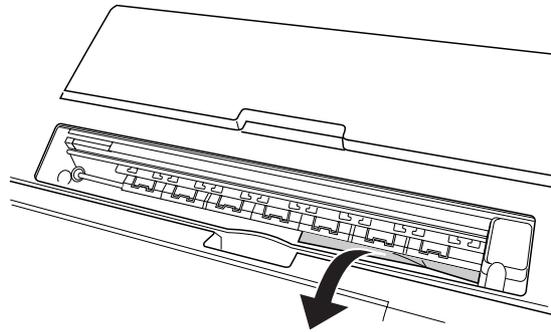
To remove jammed paper, follow the steps below.

1. Turn off the printer.

2. Carefully remove the jammed paper.



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

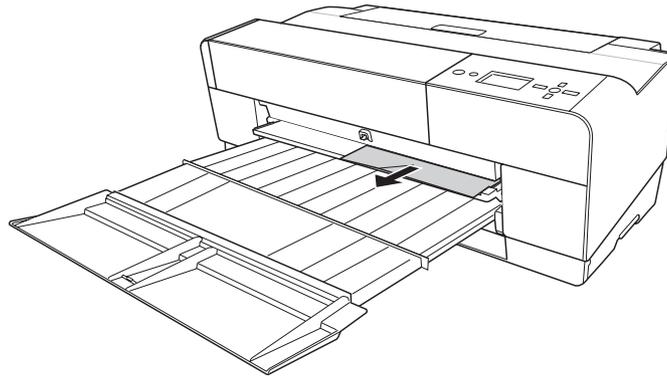


***When paper loaded from the front manual feed slot is jammed***

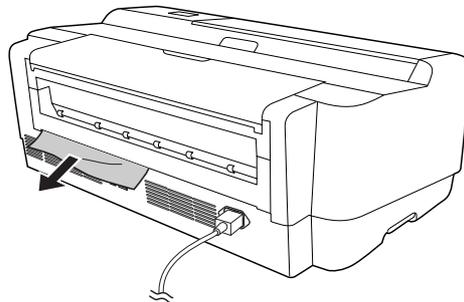
To remove jammed paper, follow the steps below:

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

Front



Rear

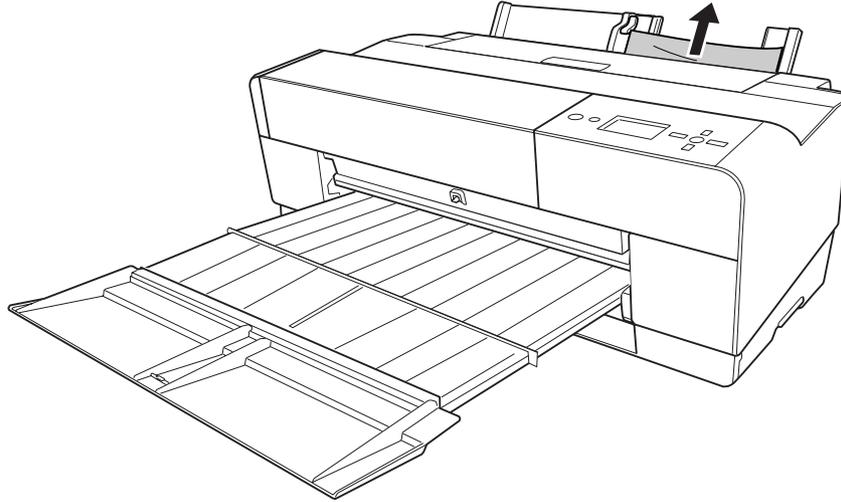


***When paper loaded from the rear manual feed slot is jammed***

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.



## Paper Information

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

Item	Explanation
Media name	Describes the media name.
Recommended application	Describes the recommended application for the media.
Size	Describes the paper size for cut sheet media.
Thickness	Describes the thickness of each media.
Borderless	<p>Describes whether borderless printing is available.</p> <p>Recommended: The recommended paper for borderless printing. Possible: Borderless printing is possible.* Impossible: Borderless printing is not supported.</p> <p>* You can print without margins on paper; however, it may deteriorate print quality, or may produce unwanted margins due to paper expansion or shrinkage. Also, some ordinary paper products cannot be used for borderless printing.</p>
ICC profile	Describes the ICC profile of the media type. It is shown as the profile name in the printer driver or the application. The file name of the profile is used as the profile name in the printer driver or the application. Each profile is provided for the paper products for which both Photo Black ink and Matte Black ink can be used.

Item	Explanation
Media type of the printer driver	Describes the Media Type of the printer driver. Be sure to match the media type you set in the printer driver and the paper loaded in the printer; otherwise, the print quality may decline.

## Cut sheet

Premium Luster Photo Paper			
<b>Recommended application</b>		Photograph / Contact Proof	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>
Letter		Possible	0.27 mm
A3			
Super A3/B			
A2			
US C			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Photo Paper	Premium Luster Photo Paper
Epson Stylus Pro 3880_3885_3890 PremiumLusterPhotoPaper.icc	-		

Premium Glossy Photo Paper			
<b>Recommended application</b>		Photograph / Contact Proof	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>

<b>Premium Glossy Photo Paper</b>			
89 × 127 mm (3.5" × 5")		Possible	0.27 mm
102 × 152 mm (4" × 6")			
127 × 178 mm (5" × 7")			
16:9 wide size (102 × 181 mm)			
203 × 254 mm (8" × 10")			
279 × 356 mm (11" × 14")			
Letter			
A4			
A3			
Super A3/B			
A2			
US C			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Photo Paper	Premium Glossy Photo Paper
Epson Stylus Pro 3880_3885_3890 PremiumGlossyPhotoPaper.icc	-		

<b>Premium Semigloss Photo Paper</b>		
<b>Recommended application</b>	Photograph / Contact Proof	
<b>Size</b>	<b>Borderless</b>	<b>Thickness</b>

<b>Premium Semigloss Photo Paper</b>			
102 × 152 mm (4" × 6")		Possible	0.27 mm
A4			
Letter			
A3			
Super A3/B			
A2			
US C			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Photo Paper	Premium Semigloss Photo Paper
Epson Stylus Pro 3880_3885_3890 PremiumSemiglossPhoto Paper.icc	-		

<b>Epson Proofing Paper White Semimatte</b>			
<b>Recommended application</b>		Contact Proof	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>
Super A3/B		Impossible	0.25 mm
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Proofing Paper	Epson Proofing Paper White Semimatte
Epson Stylus Pro 3880_3885_3890 EpsonProofingPaperWhit eSemimatte.icc	-		

<b>Velvet Fine Art Paper</b>			
<b>Recommended application</b>		Photograph / Fine Art Reproduction	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>

<b>Velvet Fine Art Paper</b>			
Letter		Possible	0.48 mm
Super A3/B			
A2			
US C			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Fine Art Paper	Velvet Fine Art Paper
-	Epson Stylus Pro 3880_3885_3890 VelvetFineArtPaper.icc		

<b>UltraSmooth Fine Art Paper</b>			
<b>Recommended application</b>		Photograph / Fine Art Reproduction	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>
Super A3		Possible	0.46 mm
A2			
US C			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Fine Art Paper	UltraSmooth Fine Art Paper
-	Epson Stylus Pro 3880_3885_3890 UltraSmoothFineArtPaper.icc		

<b>Watercolor Paper - Radiant White</b>			
<b>Recommended application</b>		Photograph / Fine Art Reproduction	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>
Super A3/B		Possible	0.29 mm
<b>ICC profile</b>		<b>Media type of the printer driver</b>	

<b>Watercolor Paper - Radiant White</b>			
Photo Black	Matte Black	Fine Art Paper	Watercolor Paper - Radiant White
-	Epson Stylus Pro 3880_3885_3890 WatercolorPaper-Radiant White.icc		

<b>Enhanced Matte Paper</b>			
<b>Recommended application</b>		Indoor Signage / Photograph / Fine Art Reproduction / Proof	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>
Letter		Possible	0.26 mm
A3			
Super A3/B			
US C			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	
Photo Black	Matte Black	Matte Paper	Enhanced Matte Paper
-	Epson Stylus Pro 3880_3885_3890 EnhancedMattePaper.icc		

<b>Archival Matte Paper</b>			
<b>Recommended application</b>		Indoor Signage / Photograph / Fine Art Reproduction / Proof	
<b>Size</b>		<b>Borderless</b>	<b>Thickness</b>
A4		Possible	0.26 mm
A3			
Super A3/B			
A2			
<b>ICC profile</b>		<b>Media type of the printer driver</b>	

<b>Archival Matte Paper</b>			
Photo Black	Matte Black	Matte Paper	Archival Matte Paper
-	Epson Stylus Pro 3880_3885_3890 ArchivalMattePaper.icc		

<b>Photo Quality Ink Jet Paper</b>			
<b>Recommended application</b>		Indoor Signage / Proof	
<b>Size</b>	<b>Borderless</b>	<b>Thickness</b>	
A4	Impossible	0.12 mm	
Letter			
Legal			
USB			
A3			
Super A3			
A2			
USC			
<b>ICC profile</b>			
Photo Black	Matte Black	Matte Paper	Photo Quality Ink Jet Paper
-	Epson Stylus Pro 3880_3885_3890 PhotoQualityInkJetPaper. icc		

## ***Technical Support Web Site***

Epson's Technical Support Web Site provides help with problems that cannot be solved using the troubleshooting information in your product documentation. If you have a Web browser and can connect to the Internet, access the site at:

<http://support.epson.net/>

If you need the latest drivers, FAQs, manuals, or other downloadables, access the site at:

<http://www.epson.com>

Then, select the support section of your local Epson Web site.

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## **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://epson.com/support> and select your product for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

## **Speak to a Support Representative**

Dial: (562) 276-1300 (U.S.), or (905) 709-9475 (Canada), 6 am to 6 pm, Pacific Time, Monday through Friday. Days and hours of support are subject to change without notice. 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 advice on problems; they can often solve problems quickly and easily as well as give advice 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 problems
- Enquiries on repair service and warranty

**Help for Users in Thailand**

Contacts 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)2685-9899)**

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

**Help for Users in Vietnam**

Contacts for information, support, and services are:

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

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: 080-30515000

Fax: 30515005

**Epson India Regional Offices:**

Location	Telephone number	Fax number
Mumbai	022-28261515 /16/17	022-28257287
Delhi	011-30615000	011-30615005
Chennai	044-30277500	044-30277575
Kolkata	033-22831589 / 90	033-22831591
Hyderabad	040-66331738/ 39	040-66328633
Cochin	0484-2357950	0484-2357950
Coimbatore	0422-2380002	NA
Pune	020-30286000 /30286001/30286002	020-30286000
Ahmedabad	079-26407176 / 77	079-26407347

**Helpline**

For Service, Product info or to order a cartridge - 18004250011 (9AM - 9PM) - This is a Toll-free number.

For Service (CDMA & Mobile Users) - 3900 1600 (9AM - 6PM) Prefix local STD code

**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:

Trunk Line: (63-2) 706 2609

Fax: (63-2) 706 2665

Helpdesk Direct (63-2) 706 2625  
Line:

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.

**Toll-Free No. 1800-1069-EPSON(37766)**

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 8

### Product Information

#### Printer Specifications

##### Printing

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

<b>Character mode</b>	Character Pitch	Printing Column
	10 cpi*	167

\* characters per inch

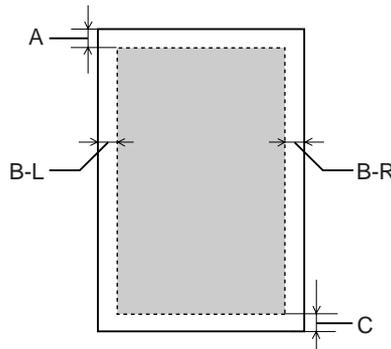
<b>Raster graphic mode</b>	Horizontal resolution	Printable width	Available dots
	360 dpi*	441.8 mm (17.39 inches)	6262
	720 dpi	441.8 mm (17.39 inches)	12524
	1440 dpi	441.8 mm (17.39 inches)	25047
	2880 dpi	441.8 mm (17.39 inches)	50094

\* dots per inch

<b>Resolution</b>	Maximum 2880 × 1440 dpi
<b>Print direction</b>	Bidirectional
<b>Control code</b>	ESC/P Raster
<b>RAM</b>	64 MB

<b>Character tables</b>	PC 437 (US, Standard Europe) PC 850 (Multilingual)
<b>Character sets</b>	EPSON Courier 10 cpi

## Printable area



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

<b>Paper feed method</b>	Friction
<b>Paper path</b>	Auto Sheet Feeder, front manual insertion, rear manual insertion

<b>Dimensions</b>	Width: 684 mm (27.36 inches) Depth: 376 mm (14.88 inches) Height: 257 mm (10.28 inches)
<b>Weight</b>	Approx. 19.6 kg (43.2 lb) with consumables

## Electrical

	<b>100/120 V Model</b>	<b>220/240 V Model</b>
<b>Rated voltage</b>	100 V model: 100 V 120 V model: 120 V	220 V to 240 V
<b>Rated frequency range</b>	50 to 60 Hz	50 to 60 Hz
<b>Rated current</b>	0.6 A	0.3 A
<b>Power consumption</b>	100 V model: Approx. 25 W Approx. 5 W in Sleep mode Approx. 0.2 W in Power off mode  120 V model: Approx. 25 W Approx. 5 W in Sleep mode Approx. 0.3 W in Power off mode	Approx. 25 W Approx. 5.5 W in Sleep mode Approx. 0.4 W in Power off mode

**Note:**

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

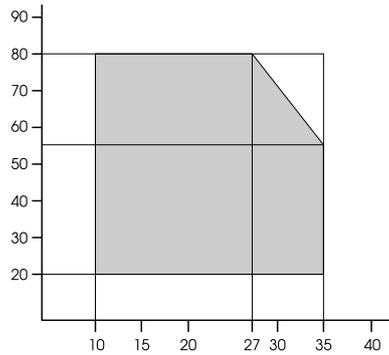
## Environmental

<b>Temperature</b>	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)
<b>Humidity</b>	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

<b>Hardware initialization at power on</b>	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.
<b>Software initialization when the ESC@ (initialize the printer) command is received</b>	The print buffer is cleared.
	The printer returns to the default condition last set.
<b>Panel button initialization by pressing the Cancel/Reset button on the control panel for 3 seconds, or SoftReset is specified from USB</b>	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

<b>Safety</b>	UL 60950-1	
	CAN/CSA C22.2 No.60950-1	
	Low Voltage Directive 20006/95/EC	EN 60950-1

<b>EMC</b>	FCC part 15 subpart B class B	
	CAN/CSA-CEI/IEC CISPR22 Class B	
	AS/NZS CISPR 22 Class B	
	EMC Directive 2004/108/EC	EN 55022 Class B
		EN 55024
		EN 61000-3-2
		EN 61000-3-3

## Paper

<b>Size</b>	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 × 127 mm
	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	
<b>Paper types</b>	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**

<b>Colors</b>	Photo Black	
	Matte Black	
	Light Black	
	Light Light Black	
	Cyan	
	Vivid Magenta	
	Yellow	
	Light Cyan	
	Vivid Light Magenta	
<b>Cartridge life</b>	2 years from production date if unopened.	
	Within 6 months after opening package.	
<b>Temperature</b>	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)
<b>Capacity</b>	80 ml	
<b>Dimensions</b>	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 prints, the print head in your printer will be fully charged with ink. This one-off process consumes a quantity of ink and therefore these cartridges may print fewer pages compared to subsequent ink cartridges.*
- ❑ *Actual ink consumption may vary depending on the images that you are printing, the paper type that you are using, the frequency of your printings 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.*
- ❑ *Ink is consumed during the following operations: print head cleaning and ink charging when an ink cartridge is installed.*
- ❑ *To maintain print quality, we recommend printing a few pages on a regular basis.*
- ❑ *Although the ink cartridges may contain recycled materials, this does not effect product function or performance.*
- ❑ *Do not disassemble or remodel the ink cartridge, otherwise you may not be able to print normally.*

---

## **System Requirements**

### **To use your printer with Windows**

Your computer should meet the following system requirements:

<b>Minimum system</b>
Pentium 4 1.4GHz or higher processor for Windows Vista x64, Vista, XP x64, XP, and 2000
512 MB RAM or more
8 GB or more free hard disk space
XGA (1024 × 768) or higher resolution

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:

<b>Minimum system</b>
PowerPC G4 1.67 GHz or Intel CPU or higher processor
PowerPC-based Macintosh computers running Mac OS X 10.3.9 or later Intel-based Macintosh computers with Rosetta
512 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.

<b>Standard</b>	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
<b>Bit rate</b>	480 Mbps (High Speed Mode) 12 Mbps (Full Speed Device)
<b>Data encoding</b>	NRZI
<b>Adaptable connector</b>	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 9

# 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 166.

Maintenance cartridge	T5820
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### Ink cartridges

To replace ink cartridges, see “Replacing Ink Cartridges” on page 162.

**Note:**

*The product number varies by country.*

Ink cartridge (Photo Black)	T5801	T5811	T5891
Ink cartridge (Cyan)	T5802	T5812	T5892
Ink cartridge (Vivid Magenta)	T580A	T581A	T589A
Ink cartridge (Yellow)	T5804	T5814	T5894
Ink cartridge (Light Cyan)	T5805	T5815	T5895
Ink cartridge (Vivid Light Magenta)	T580B	T581B	T589B
Ink cartridge (Light Black)	T5807	T5817	T5897
Ink cartridge (Matte Black)	T5808	T5818	T5898

Ink cartridge (Light Light Black)

T5809

T5819

T5899

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## ***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. For detailed information, see “Paper Information” on page 194.

**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 201.*

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## ***Safety Instructions***

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### ***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.

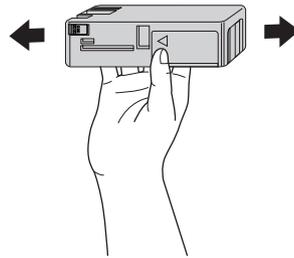
### ***When using this product***

- ❑ 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.
- ❑ Although nothing may be printed, the printer uses ink from all cartridges during head cleaning and other maintenance operations to keep the print heads in good condition.

### **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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