



EPSON Stylus COLOR 900
Manual

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Introduction

Your EPSON Stylus® COLOR 900 printer is the ideal output device for business graphics, digital photographs, newsletters, and more. With resolutions up to 1440 by 720 dpi and EPSON's unique variable micro droplet technology, you get amazingly realistic photographic images, vivid color graphics, and sharp black text—all at unprecedented speeds.

The printer software for Microsoft® Windows® and Apple® Macintosh® provides advanced color management with adjustable levels of brightness, contrast, sharpness, and other settings. You get even more precise color matching with ColorSync™ 2.01 and two Windows color management systems.

EPSON's specially formulated ink cartridges and wide variety of ink jet papers offer the most flexibility for getting the results you want. With standard parallel, serial, and high-speed USB (Universal Serial Bus) ports, setting up your printer is fast and easy.

This chapter gives general printer information in these sections:

- ▶ [Windows System Requirements](#)
- ▶ [Macintosh System Requirements](#)
- ▶ [How To Use Your Manuals](#)
- ▶ [ENERGY STAR Compliance](#)
- ▶ [Year 2000 Ready](#)
- ▶ [Important Safety Instructions](#)

Windows System Requirements

To use your printer and its software with a PC, your system should have:

- ▶ An IBM®-compatible PC with at least a 386/25 MHz (for Windows 3.1x), 486/25 MHz (for Windows 95 or Windows NT® 4.0), or 486/66 MHz (for Windows 98) processor
- ▶ DOS, Windows 3.1x, Windows 95, Windows 98, or Windows NT 4.0
- ▶ At least 16MB of RAM (32MB for Windows 3.1, 95, or 98 or 64MB for Windows NT 4.0 recommended)
- ▶ At least 50MB of free hard disk space for storing images (100MB recommended)
- ▶ VGA, Super VGA, or better display adapter and monitor
- ▶ Double-speed (2X) CD-ROM drive (quad-speed [4X] or faster recommended) for installing the printer software
- ▶ For parallel connection, a high-speed, bidirectional, IEEE-1284 compliant parallel cable (6 to 10 feet long); the cable must have a D-SUB, 25-pin, male connector for your computer and a 36-pin, Centronics® compatible connector for the printer.

For USB connection to a computer running Windows 98 with a Windows 98 compliant USB port, a shielded USB “AB” interface cable, from Series A (computer) to Series B (printer), up to 6.5 feet (2.0 meters) long.



Using an improperly shielded USB cable—especially a cable more than 6.5 feet (2.0 meters) long—may cause the printer to malfunction.

Macintosh System Requirements

To use your printer and its software with a Macintosh, your system should have:

- ▶ One of the following Macintosh models:
 - LC475, LC575, LC630
 - Quadra series
 - Centris series
 - PowerBook® series (190, 520, 540, 550, or later)
 - PowerBook Duo 280, 2300c/100
 - Performa® 475, 575, 588, 630, 5210 or later
 - Power Macintosh® series
 - iMac™ series (for USB connection only)
- ▶ For serial connection: System 7.5.1 or later (7.6 or later recommended)
For USB connection: iMac with System 8.1 or later
- ▶ At least 16MB of available RAM (32MB recommended)
- ▶ At least 50MB of free hard disk space (100MB recommended)
- ▶ RGB display or better
- ▶ Double-speed (2X) CD-ROM drive (quad-speed [4X] or faster recommended) for installing the printer software
- ▶ For serial connection: an ImageWriter® II serial cable or equivalent (8-pin mini DIN male/male, Belkin brand recommended; EPSON part number: F2V024-06)
For USB connection to an iMac computer: a shielded USB “AB” interface cable, from Series A (computer) to Series B (printer), up to 6.5 feet (2.0 meters) long.



Using an improperly shielded USB cable—especially a cable more than 6.5 feet (2.0 meters) long—may cause the printer to malfunction.

How To Use Your Manuals

To set up your printer and install the printer software, see the *Start Here* card. This manual contains the following information:

Basic Printing covers the basics of printing with Windows or Macintosh.

Advanced Printing tells you how to print using custom settings for print quality, color management, and distinctive layouts.

Printing on Special Media gives guidelines for selecting the right paper or other media for your print job and instructions for loading it in your printer.

Managing Print Jobs explains how to control print jobs and check printer status while you're printing.

Network Printing describes how to set up your computers so you can use your printer on a network.

Optional Interfaces gives instructions on how to install and use EPSON interface boards.

Maintenance and Transportation gives instructions for replacing ink cartridges, cleaning and aligning the print head, and cleaning and transporting the printer.

Troubleshooting provides solutions for any problems you may have with your printer or software.

Specifications provides the technical details on your printer, ink cartridges, and EPSON papers.

To go right to the section you need, see the Index.

Using Links

Green, underlined text indicates that the text is a link (cross-reference) to other parts of this manual. Click on the text with the mouse pointer to view the referenced information.

Warnings, Cautions, Notes, and Tips

You'll find this information throughout your manual:



Warnings must be followed carefully to avoid bodily injury.



Cautions must be observed to avoid damage to your equipment.



Notes contain important information about your printer.



Tips contain additional hints for better printing.



ENERGY STAR Compliance

As an ENERGY STAR Partner, EPSON has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

The EPA ENERGY STAR Office Equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.

Year 2000 Ready

Your EPSON printer is Year 2000 Ready. However, be sure the other parts of your computer system are also ready for the year 2000.



Always turn the printer off using the  power button. Don't switch off the power strip, or unplug the printer until the  power light is off.

Important Safety Instructions

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

- ▶ Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.
- ▶ Do not place the printer on an unstable surface or near a radiator, heating vent, or direct sunlight.
- ▶ Do not block or cover the openings in the printer's case or insert objects through the slots.

- ▶ Use only the type of power source indicated on the printer's label.
- ▶ Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- ▶ Place the printer near a wall outlet where the plug can be easily unplugged.

Placez l'imprimante près d'une prise de contact où la fiche peut être débranchée facilement.

- ▶ Do not let the power cord become damaged or frayed.
- ▶ If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- ▶ Except as specifically explained in this manual, do not attempt to service the printer yourself.
- ▶ Unplug the printer and refer servicing to qualified service personnel under the following conditions:

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

- ▶ Do not put your hand inside the printer or touch the cartridge during printing.

- Under normal circumstances, ink will not come out of the cartridge. If it does get on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Keep ink cartridges out of the reach of children.
- Do not dismantle the ink cartridges or try to refill them. This could result in damage to the print head.
- Once you install an ink cartridge, do not open the clamp or remove the cartridge except to replace it with a new one. The cartridge may become unusable otherwise.
- Install the ink cartridge immediately after you remove it from its foil package. Leaving the cartridge unpacked for a long time before use may result in reduced print quality.
- Do not use an ink cartridge beyond the date printed on the cartridge package. For best results, use up the ink cartridges within six months of installing them.
- Do not shake an ink cartridge; this can cause leakage.
- Always turn the printer off using the ⏻ power button. When you press this button, the ⏻ power light flashes briefly then goes out. Do not unplug the printer or turn off the power to the printer until the ⏻ power light is off.
- Before transporting the printer, make sure the print head is capped in the far right position and the ink cartridges are in place.

Basic Printing



For instructions on printing with DOS, see “Using Your Printer with DOS” in the *Printer Basics* book.

It's easy to print all your documents with your EPSON Stylus COLOR 900. First set up your printer and install the software, following the instructions in the *Start Here* card. Read this chapter to find out about:

- ▶ [Printing from Windows](#)
- ▶ [Printing from a Macintosh](#)

Printing from Windows

This section tells you about:

- ▶ [Printing from Windows Applications](#)
- ▶ [Setting Default Printer Options](#)
- ▶ [Checking Printer Status](#)

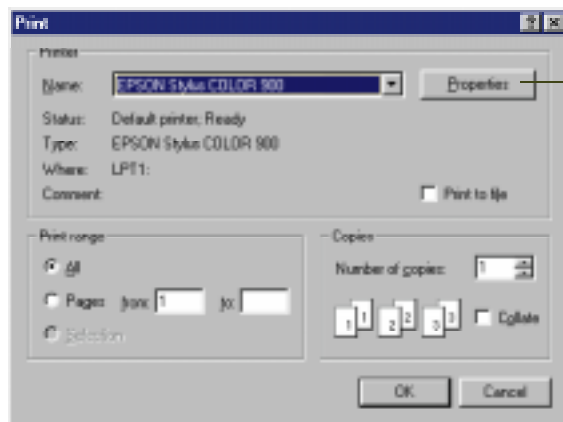


Most Windows examples show screen captures for Windows 95. Differences from Windows 3.1 or Windows NT are noted in the text or with another screen capture.

Printing from Windows Applications

This section describes the settings you'll need to check for all your everyday printouts. See [Advanced Printing](#) for information about advanced settings for special print jobs.

- 1 Open a Windows application and select a file you want to print.
- 2 Open the File menu and click **Print**. You see the Print dialog box for your application (the Print dialog box for your application may look slightly different):



Click Properties



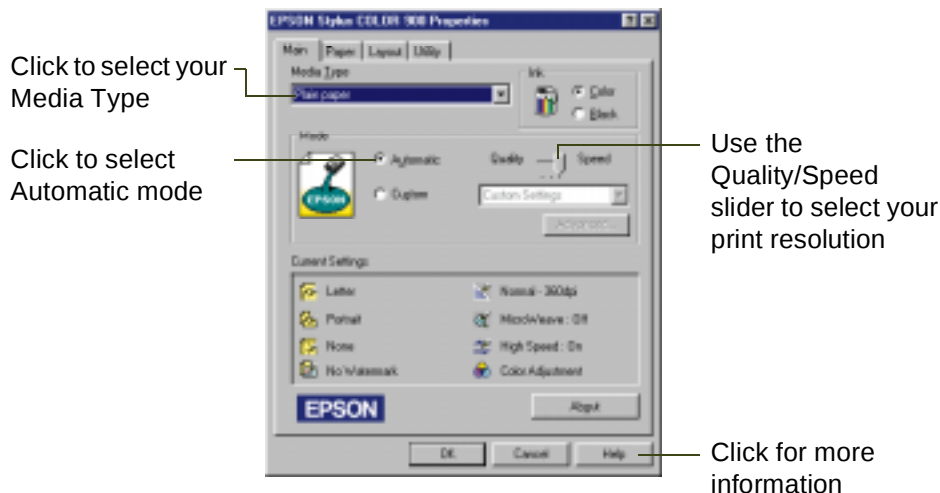
In Windows 95, 98, and NT, you can right-click on an option for more information.



You can also set printer options by clicking Print Setup in the File menu, then clicking the Printer, Setup, Properties, or Options button. However, in most applications you'll then have to select the Print option from the File menu to print using your changes.

- 3 Make sure your EPSON Stylus COLOR 900 printer is selected, and then click the **Properties** button. (If you see a Setup, Printer, or Options button, click it instead. Then click Properties on the next screen.)

You then see the printer settings dialog box:





To print at the highest resolution (1440 dpi), you need to use plain paper, Photo Paper, or one of the Photo Quality media. For the best printing at any resolution, always use EPSON media.



The Quality/Speed slider is not available for certain media types.

- 4 Click the **Main** tab if necessary. Then choose the Media Type you want to print on from the following list:

- ▶ **Plain paper**
- ▶ **360 dpi Ink Jet Paper**
- ▶ **Photo Quality Ink Jet Paper**
- ▶ **Photo Paper**
- ▶ **Photo Quality Glossy Film**
- ▶ **Ink Jet Transparencies**

The type of paper you choose determines the print quality (resolution) you can use. It's very important to select the correct setting for your paper. If you're not sure which to choose, see [Selecting Special Media](#).

- 5 Choose **Color** or **Black** ink.
- 6 Now make sure the Mode option is set to **Automatic**. This is the easiest way to get good printing results for all kinds of documents, on all types of paper.
- 7 Set the slider to **Quality** or **Speed**. Some Media Types also have an intermediate setting. This lets you choose from the fastest printing, high quality printing, or an intermediate setting (if available) that balances quality with speed for the media you're using.

To select 1440 dpi on plain paper or any other available resolution for your media, you need to access the Advanced dialog box; see [Customizing Print Quality and Special Effects](#) for instructions.

- 8 Click the **Paper** tab and choose your Paper Size, number of Copies, Orientation, and Printable Area settings; see [Selecting Paper Options in Windows](#) for instructions.

- 9 Click the **Layout** tab (not available with Windows 3.1) and check the Reduce/Enlarge, Print Layout, and Watermark settings. See [Choosing Print Layout Options in Windows](#) for details.
- 10 Click **OK** when you're finished checking your settings. The dialog box closes. Click **OK** until you see the Print dialog box.
- 11 In the Print dialog box, click **OK** or **Print**.

While your document is printing, a window appears showing the printer status and the progress of your print job. See [Checking Printer Status](#) for more information.

Setting Default Printer Options

When you change printer settings through your software application, the settings apply only to the application you're using. To adjust the default settings for *all* your Windows applications, access the printer settings through the Printers utility or Control Panel (Windows 3.1). Close all your applications before you start. If you don't, you may have to close and reopen them to use the new default settings.

See the section for your operating system:

- ▶ [Setting Default Options in Windows 95, Windows 98, or Windows NT](#)
- ▶ [Setting Default Options in Windows 3.1](#)



You can access the default Windows NT printer software settings only if you have the appropriate network access privileges, such as Administrator.

Setting Default Options in Windows 95, Windows 98, or Windows NT

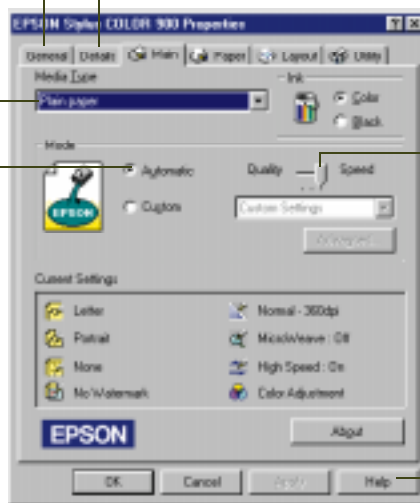
- 1 Click **Start**, point to **Settings**, and select **Printers**.
- 2 Right-click the **EPSON Stylus COLOR 900** icon.
- 3 Select **Properties** or **Document Defaults** (Windows NT), then click the **Main** tab. You see the following dialog box:

These tabs are available only when the dialog box is accessed from the Start menu

Click to select your Media Type

Click to select Automatic mode

Use the Quality/Speed slider to select your print resolution



Click for more information

- 4 Change the printer software settings, as necessary. Then click **OK** to apply your new default settings.

Setting Default Options in Windows 3.1

- 1 Double-click the **Control Panel** icon in the Main group.
- 2 Double-click the **Printers** icon.
- 3 Select **EPSON Stylus COLOR 900** from the list of installed printers and click **Setup**. You see the following printer settings dialog box:



- 4 Change the printer software settings, as necessary. Then click **OK** to apply your new default settings.

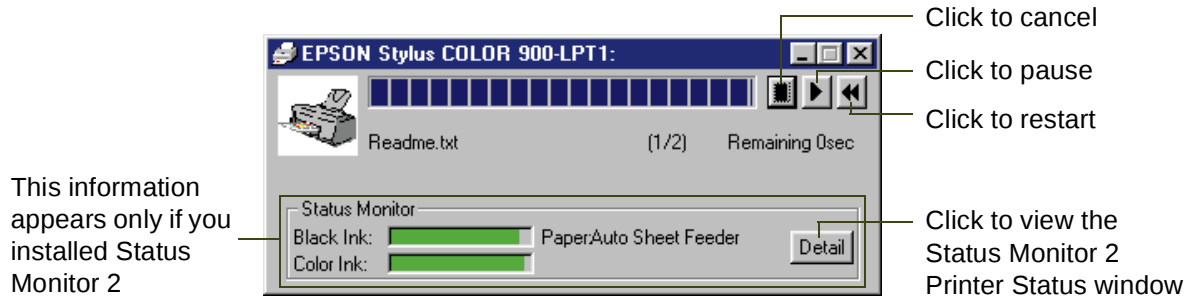
Checking Printer Status

While your document is printing, your printer software reports how the job is doing. See the section for your operating system:

- [Windows 95, Windows 98, or Windows NT 4.0](#)
- [Windows 3.1](#)

Windows 95, Windows 98, or Windows NT 4.0

After you send a print job, the Progress Meter window appears on your screen:



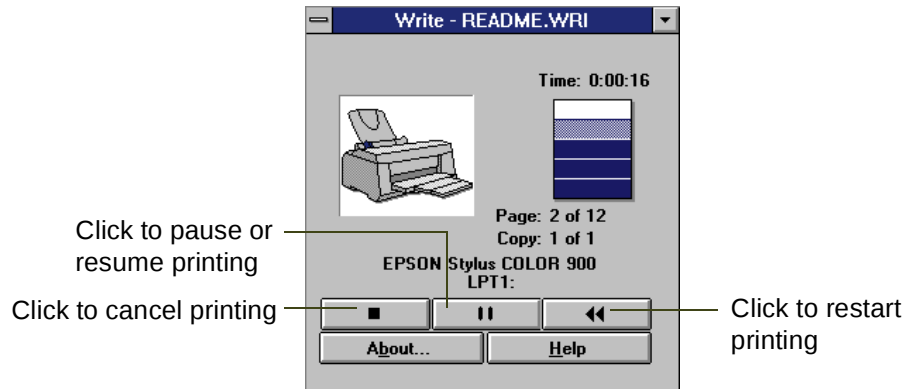
The Progress Meter shows the progress of your print job and the status of your printer. You can use the buttons to cancel, pause, or restart your print job.

If you installed Status Monitor 2, you also see information about how much ink you have left and can view the Status Monitor 2 Printer Status window. See [Using Status Monitor 2](#) for more information.

You can also set up the way your printer software sends print jobs and select whether or not to display the Progress Meter. See [Optimizing Data Transfer](#) and [Displaying the Progress Meter](#) for instructions.

Windows 3.1

After you send your print job, the EPSON Despooler dialog box appears on your screen:



This dialog box shows the progress of your print job and the status of your printer. If you run out of paper while printing, for example, the Despooler warns you. You can use the buttons to cancel, pause, or restart your print job.

You can also control print jobs using the Spool Manager; see [Using the Spool Manager](#) for more information.



On the Macintosh, printer settings are saved with your document, but not from one application to another. If you want to reuse settings, you can create document templates for your favorite applications.

You can also create custom setting groups in your printer software that you can select each time you open an application. See [Saving Custom Settings](#) for details.

Printing from a Macintosh

When you print with a Macintosh, you need to check the printer software settings in each application you use. This section describes the settings you'll need to check for all your everyday printouts. See [Advanced Printing](#) for information about advanced settings for special print jobs.

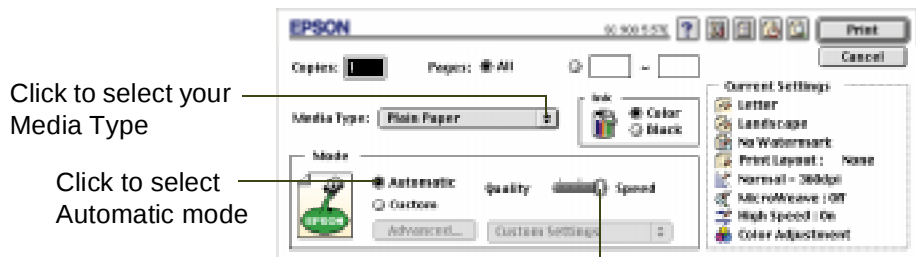
Follow these steps to print from a Macintosh:

- 1 Open a Macintosh application and select a file you want to print.
- 2 Open the File menu and click **Page Setup** (Document Setup in some applications). You see the Page Setup dialog box:



- 3 Choose your paper size, orientation, and other options as described in [Selecting Paper Options on a Macintosh](#) and click **OK**.

- 4 Now open the File menu and click **Print**. You see the main printer settings dialog box:



Use the Quality/Speed slider to select your print resolution



For printing at the highest resolution (1440 dpi), you need to use plain paper, Photo Paper or one of the Photo Quality media. For the best printing at any resolution, always use EPSON media.

- 5 Choose the number of copies and indicate which pages you want to print.
- 6 Choose the **Media Type** you want to print on from the following list:

- ▶ **Plain Paper**
- ▶ **360 dpi Ink Jet Paper**
- ▶ **Photo Quality Ink Jet Paper**
- ▶ **Photo Paper**
- ▶ **Photo Quality Glossy Film**
- ▶ **Ink Jet Transparencies**

The type of paper you choose determines the print quality (resolution) you can use. It's very important to select the correct setting for your paper. If you're not sure which to choose, see [Selecting Special Media](#).

- 7 Choose **Color** or **Black** ink.



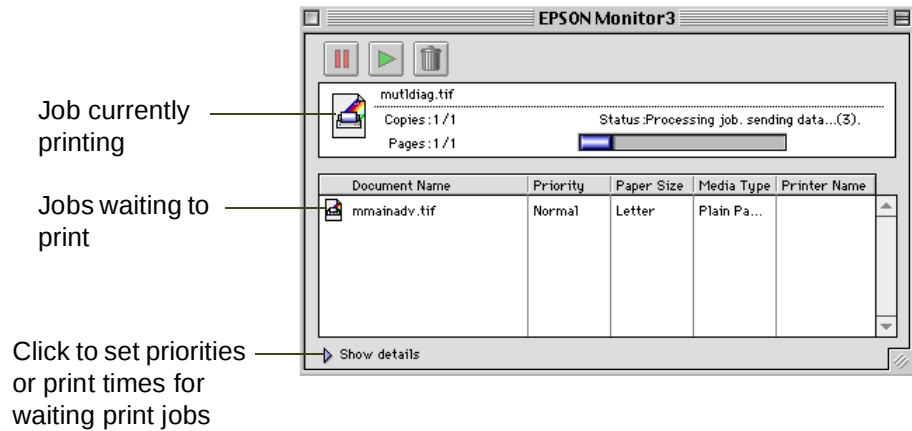
The Quality/Speed slider is not available for certain media types.

- 8 Make sure the Mode option is set to **Automatic**. This is the easiest way to get good printing results for all kinds of documents, on all types of paper.
- 9 Set the slider to **Quality** or **Speed**. Some Media Types also have an intermediate setting. This lets you choose from the fastest printing, high quality printing, or an intermediate setting (if available) that balances quality with speed for the media you're using. To select 1440 dpi on plain paper or any other available resolution for your media, you need to access the Advanced dialog box; see [Customizing Print Quality and Special Effects](#) for instructions.
- 10 Click the  Layout icon and check the Fit to Page, Watermark, Print Layout, and Print Order settings. See [Choosing Print Layout Options on a Macintosh](#) and [Selecting Print Order Options](#) for details. Then click **OK** to return to the printer settings dialog box.
- 11 Background printing allows you to continue working while your document prints. To select background printing options before you print, click the  Background Printing icon. See [Setting Up Background Printing Options](#) for details.
- 12 If you want to preview your printout to view how the current layout, watermark, print order, and orientation settings look, click the  Preview icon, then click the **Preview** button. See [Using Print Preview on the Macintosh](#) for details.
- 13 Click **Print** when you're finished checking your settings.

If you've turned on background printing, you can continue working while your document is printing. While printing, a window appears showing the printer status and the progress of your print job. See [Using Monitor3](#) for details.

Checking Printer Status

If you turned on background printing, EPSON Monitor3 automatically displays this dialog box when you send a print job to the printer:



When background printing is turned off, you can cancel your print job by pressing the ⌘ and . (period) keys.

You can use the Monitor3 dialog box to check on your print jobs and cancel, pause, or restart them. The progress bar tracks the status of the current print job. To cancel, pause, or restart a print job (either the current one or any job waiting to print), click the document's name to highlight it. Then click one of the following buttons:

- ▶ click  to delete
- ▶ click  to restart
- ▶ click  to pause

Advanced Printing

When your presentation graphics, photographs, or other projects have special printing requirements, you can use the advanced settings in your EPSON Stylus COLOR 900 software. You can choose custom project types or adjust individual settings like brightness, contrast, sharpness, and halftoning. For professional-quality color accuracy, you can use a color management system.

Your printer software's print layout options let you print almost any size image on your printer, proof multiple pages on one sheet of paper, and add watermarks (not available with Windows 3.1).

This chapter includes the following information:

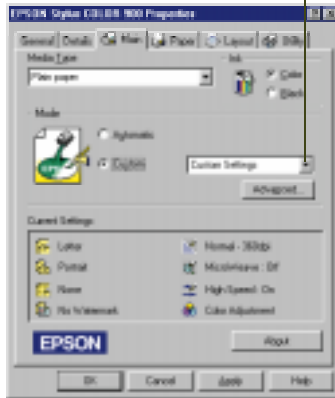
- [Using Custom Project Types](#)
- [Customizing Print Quality and Special Effects](#)
- [Customizing Color Settings](#)
- [Using ColorSync on the Macintosh](#)
- [Selecting Paper Size and Orientation Options](#)
- [Selecting Print Layout Options](#)
- [Using Print Preview on the Macintosh](#)
- [Saving Custom Settings](#)

Using Custom Project Types

Custom project types provide an easy way to fine-tune your printer settings for a specific type of project. Follow these steps to print with custom project types:

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#). You see one of the following dialog boxes:

Click **Custom**, then click here to see a list of project types



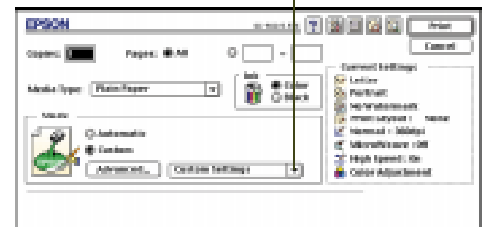
Windows 95, 98, NT

Click **Advanced**, then click here to see a list of project types



Windows 3.1

Click **Custom**, then click here to see a list of project types



Macintosh



Always choose your Media Type and Ink setting before you select a custom project type. Some project types may not be available with the Media Type or Ink settings you choose.

Printing with PhotoEnhance3 or PhotoEnhance may take longer with some systems and images.

- 3 Choose the Media Type you want to print on. (If you're not sure which setting to choose, see [Selecting Special Media](#).)
- 4 Choose **Color** or **Black** ink.
- 5 Click **Custom** (in Windows 3.1, click **Advanced**), and then click **Custom Settings**. You see the list of project types.
- 6 Choose the right setting for your project and Media Type following these guidelines:
 - ▮ **PhotoEnhance3** (Windows 95, 98, NT, or Macintosh) or **PhotoEnhance™** (Windows 3.1)
For printing images captured using a video camera, scanner, or digital camera. Produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness. Corrects for overall under- and over-exposure of the original image.
 - ▮ **Digital Camera** (not available with Windows 3.1)
For printing images captured using a scanner or digital camera. Corrects noise and other common flaws.
 - ▮ **Text/Graph**
For printing graphics-intensive documents like presentation pages with charts and graphs. Intensifies colors and lightens the midtones and highlights.
 - ▮ **Economy**
For printing rough drafts of text on plain paper. Saves ink.
 - ▮ **ICM** (Image Color Matching; Windows 95 and Windows 98 only)
For printing documents created in an ICM compatible application. If you're using an ICM compatible monitor, adjusts printed colors to closely match the screen colors.

- ▮ **sRGB** (Standard Red Green Blue; not available with Windows 3.1; recommended only with Windows 98)

For printing documents created in an sRGB compatible application using sRGB colors, such as those designed for the World Wide Web. First set up your sRGB compatible devices (such as your monitor and printer) to use an sRGB color profile; see your Windows 98 online help for details.

- ▮ **ColorSync** (Macintosh only)

Automatically adjusts printout colors to closely match the colors on your screen. For more information, see [Using ColorSync on the Macintosh](#).

- 7 In Windows, click the **Paper** and **Layout** tabs (not available on Windows 3.1) to check or change any necessary settings, as described in [Selecting Paper Options in Windows](#) and [Choosing Print Layout Options in Windows](#).

On a Macintosh, check or change any necessary settings on the Page Setup and the Layout dialog boxes as described in [Selecting Paper Options on a Macintosh](#) and [Choosing Print Layout Options on a Macintosh](#).

- 8 When you're finished, click **OK** (Windows) or **Print** (Macintosh). If you're using Windows, click any other buttons that your application uses for printing.



After you customize your print settings for a special project, you can save them as a group. Then you can reuse them whenever you print a similar project. See [Saving Custom Settings](#) for instructions.

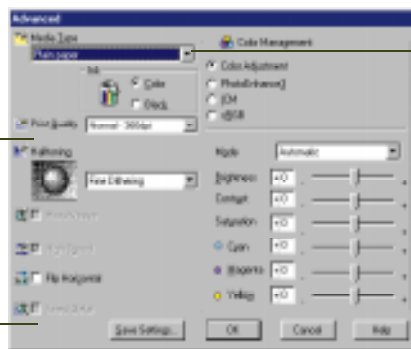


If you selected a Custom Project type, the Color Management section may look different. Clicking Color Adjustment to get this view also changes your Custom Project type.

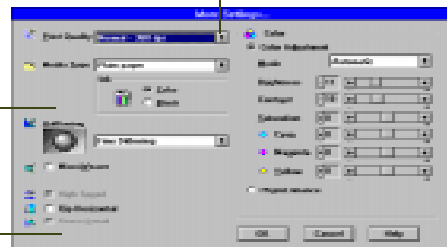
Customizing Print Quality and Special Effects

If you need the maximum control over your project, or you want to experiment with special effects, you can adjust the custom settings in your printer software. Follow these steps:

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom**, and then click the **Advanced** button. (In Windows 3.1, click **Advanced**, then click the **More Settings** button.) You see the Advanced dialog box (called More Settings in Windows 3.1):



Windows 95, 98, NT

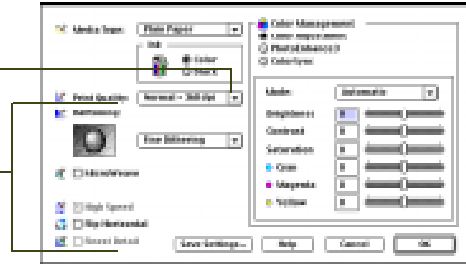


Windows 3.1

Some of these options are automatically set or disabled by other settings you choose

Click here to change your Print Quality (resolution)

Some of these options are automatically set or disabled by other settings you choose



Macintosh

- 4 Choose the **Media Type** and **Ink** settings you want to use, following the guidelines in [Printing from Windows](#) and [Printing from a Macintosh](#).
- 5 Choose one of the following **Print Quality** options:
 - **Economy**
For low-resolution rough drafts on plain paper. Saves ink.
 - **Normal - 360 dpi**
For most documents on plain paper, transparencies, or 360 dpi Ink Jet Paper.
 - **Fine - 360 dpi**
For high speed, high quality output.
 - **Photo - 720 dpi**
Excellent high-resolution output.
 - **Photo - 1440 dpi**
For the highest-resolution output.



The available Print Quality settings may be limited by the Media Type you choose.



In Automatic mode, the Halftoning setting is selected based on the data in your print job. In Custom mode, Halftoning is preselected for each project type setting.

Some of the print options at the bottom left of the Advanced dialog box are automatically selected or disabled by the Print Quality (resolution) you choose.

6 Choose one of the following **Halftoning** options:

▮ **No Halftoning**

Select when printing black text only.

▮ **Error Diffusion**

For printing photographic images. Blends each color dot with the dots around it.

▮ **Fine Dithering**

For printing graphs or other images that require precise, solid areas of bright colors.

7 Choose any of the following print options:

▮ **MicroWeave**

This option is automatically selected or disabled by the Print Quality you choose and is not user selectable. MicroWeave prints graphic data in finer increments to eliminate unwanted banding (light horizontal lines).

▮ **High Speed**

For fast, bidirectional printing at lower quality. If vertical lines in your printout are misaligned when you use the High Speed setting, you may need to turn it off or align the print head; see [Aligning the Print Head](#) for instructions.

▮ **Flip Horizontal**

For printing a mirror image of your document. Use with iron-on transfer paper so your ironed-on printout will read correctly.

▮ **Finest Detail**

For printing text, graphics, and line art with very sharp edges. Slows print speed and increases your system memory requirements.

- 8 Click **OK** if you're ready to return to the printer settings dialog box, or see [Customizing Color Settings](#) if you want to adjust your document's color settings.

Customizing Color Settings

There are three ways to manage the color in your documents using your printer software:

- ▶ [Using PhotoEnhance3 or Digital Camera Correction Mode](#) to automatically correct digital photographs for exposure and other common flaws, and to adjust the tone or sharpness.
- ▶ [Using Custom Color Management Modes](#) to select individual color values to fine-tune the color in text, graphics, or economy mode documents.
- ▶ [Using a Color Management System](#) for maximum color accuracy.

The appearance of the Color Management section of the Advanced dialog box changes, depending on the settings you've selected.

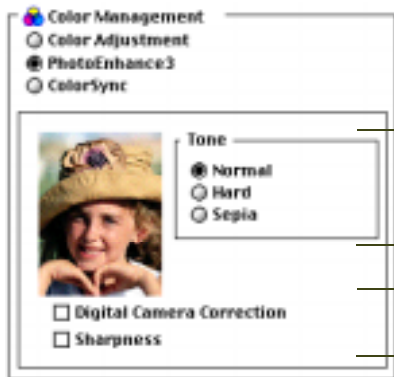
Using PhotoEnhance3 or Digital Camera Correction Mode



The Color Management section also changes to this view if you select the PhotoEnhance3 button on the Advanced dialog box.

To correct the exposure, tone, and sharpness of digital images, you can use PhotoEnhance3 and/or Digital Camera Correction mode. These options are not available on Windows 3.1.

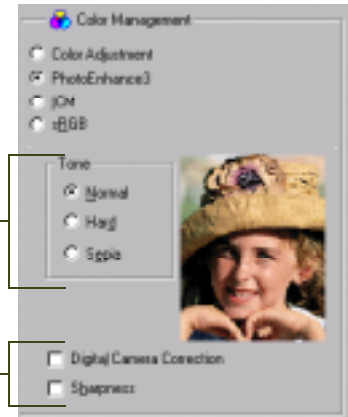
- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom**, then select either **PhotoEnhance3** or **Digital Camera** as described in [Using Custom Project Types](#).
- 4 Click the **Advanced** button. The Color Management section of the Advanced dialog box appears as shown here:



Macintosh

Click to select a Tone setting, if necessary. Changes appear in the example photograph.

Click to turn on Digital Camera Correction and/or sharpen the image.



Windows 95, 98, NT

- 5 You can customize your image using these settings:
 - ▶ Select a Tone setting for your image: **Normal** for standard tones, **Hard** for high contrast, or **Sepia** for an old-fashioned photo look.
 - ▶ Turn on **Digital Camera Correction** to correct noise and other flaws common to digital camera images.
 - ▶ Select **Sharpness** to sharpen the image, especially the edges.
- 6 Click **OK** to return to the printer settings dialog box.

Using Custom Color Management Modes

You can choose from several custom Color Management modes or manually adjust brightness, contrast, saturation, and CMY (cyan, magenta, yellow) color values.

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom** (in Windows 3.1, click **Advanced**), then select either **Text/Graph** or **Economy**, or don't select any custom project type. (For a description of custom project types, see [Using Custom Project Types](#).)

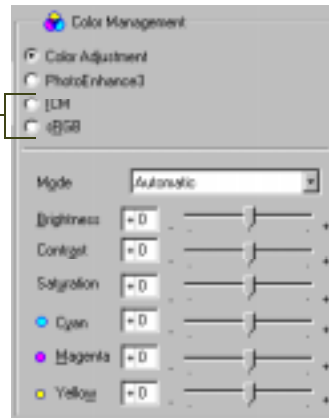


Click the Color Adjustment button if you don't see this view.

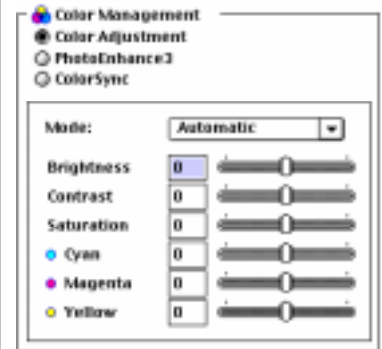
The appearance of the Color section of the More Settings dialog box always appears as shown here on Windows 3.1.

- Click the **Advanced** button (More Settings in Windows 3.1). The Color Management section of the Advanced dialog box appears as shown:

Not available with Windows 3.1; ICM not available with Windows NT



Windows



Macintosh

- Choose one of the following Color Adjustment Modes:
 - **Automatic**
Analyzes the color information in your project and optimizes color correction accordingly.
 - **Photo-realistic**
For printing color photographs.
 - **Vivid**
For printing graphics-intensive documents like presentations with charts and graphs. Intensifies colors and lightens the midtones and highlights.
 - **No Color Adjustment**
Disables the color adjustment features of the printer software so you can use a stand-alone color management utility.

- 6 If you want to specify individual color correction values, use the sliders to increase (drag right) or decrease (drag left) the settings listed below:
 - ▶ **Brightness**
Makes your image lighter or darker.
 - ▶ **Contrast**
Increases or decreases the difference between the bright or dark parts of an image.
 - ▶ **Saturation**
Makes colors more vivid or less vivid.
 - ▶ **Cyan, Magenta, Yellow**
Increases or decreases the amount of the three ink colors that combine to make a full-color printout. Use these sliders to fine-tune the color balance in your printout.
- 7 Click **OK** to return to the printer settings dialog box.



You can also select Color Management Systems on the Advanced dialog box.

Using a Color Management System

To achieve the maximum color accuracy, you can use Image Color Matching (ICM; Windows 95 and 98 only), Standard Red Green Blue (sRGB; Windows 95, 98, and NT only), or ColorSync (Macintosh only), if your system is set up to use them.

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom**.
- 4 In the Custom Settings box, select one of these custom project types for color management systems:
 - ▶ **ICM** (Windows 95 and Windows 98 only)
For printing documents created in an ICM compatible application. If you're using an ICM compatible monitor, adjusts printed colors to closely match the screen colors.
 - ▶ **sRGB** (Standard Red Green Blue; not available with Windows 3.1; recommended only with Windows 98)
For printing documents created in an sRGB compatible application using sRGB colors, such as those designed for the World Wide Web. First set up your sRGB compatible devices (such as your monitor and printer) to use an sRGB color profile; see your Windows 98 online help for details.
 - ▶ **ColorSync** (Macintosh only)
Automatically adjusts printout colors to match colors on the screen. See [Using ColorSync on the Macintosh](#) for more information.

Using ColorSync on the Macintosh

Every device you use for producing or viewing colors—your monitor, scanner, and printer—employs a different color technology. The Macintosh ColorSync system helps you control all your devices so their colors match your printer's as closely as possible.

ColorSync uses profile information from each device—including your EPSON Stylus COLOR 900 printer—to achieve accurate color matching. First you have to make sure your monitor's profile is set. Then you can use your printer software to specify the exact method of color matching you want to use.

Follow these steps to set your monitor's ColorSync profile and use your printer software's ColorSync features:

- 1 Open the **ColorSync System Profile** under **Control Panels** on the Apple menu.
- 2 Click the **Set Profile** button.
- 3 Select your monitor from the list, and then click **Select**.
- 4 Close ColorSync System Profile.
- 5 Open an application and select a document to print.
- 6 Open the File menu and click **Print**.
- 7 Click **Custom**, then click **Advanced**.
- 8 On the Advanced dialog box, click the **ColorSync** button.
- 9 For Profile, choose **EPSON Standard**. This is the ColorSync profile created especially for your printer. *Don't choose any other printer profile you may have on your system.*



The Rendering Intent options may be limited by the Media Type you've selected.

10 Choose one of the following options for Rendering Intent:

► **Perceptual**

For printing scanned photographs. Maintains the relationships among colors as it scales them to fit within your printer's color gamut.

► **Saturation**

For printing graphics-intensive documents like presentation pages with charts and graphs. Maintains the relative saturation of colors from one gamut to another.

► **Colorimetric**

For all other document types. Maintains the colors that fall within the gamut of both your monitor and printer.

11 Click **OK** to return to the printer settings dialog box.

Selecting Paper Size and Orientation Options

Your printer can print on paper up to 9.5 inches wide and up to 44 inches long in either portrait or landscape orientation. If you print multi-page documents or multiple copies of documents, you can print the pages collated and in reverse order. You can even rotate the printed document by 180 degrees (not available with Windows 3.1).

Follow the steps in the section for your operating system:

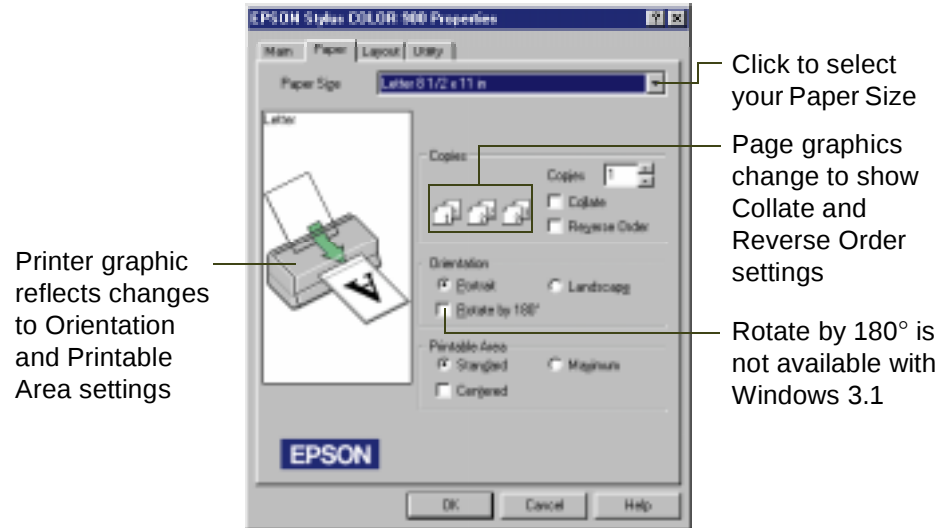
► Selecting Paper Options in Windows

► Selecting Paper Options on a Macintosh

Selecting Paper Options in Windows

Follow these steps to select paper options on the Paper tab:

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#).
- 3 Click the **Paper** tab. You see the Paper dialog box:





If the Reduce/Enlarge setting is set to Normal and you select one of the paper sizes to the right that is marked with an asterisk (*), you see a dialog box asking you to select a paper size that fits your printer. See [Reducing and Enlarging Your Document Size](#) for more information.

- 4 Click the **Paper Size** drop-down list to select the size of paper you loaded in the printer.

The sizes marked with an asterisk (*; not available with Windows 3.1) are larger than you can load in the printer and can be used only with the Reduce/Enlarge setting on the Layout tab; see [Reducing and Enlarging Your Document Size](#) for more information.

A4 210×297 mm
B5 182×257 mm
A5 148×210 mm
Letter 8 1/2×11 in
Legal 8 1/2×14 in
Executive 7 1/4×10 1/2 in
Half Letter 5 1/2×8 1/2 in
A6 Index card 105×148 mm
Index card 5×8 in
Index card 8×10 in
Envelope #10 4 1/8×9 1/2 in
Envelope DL 110×220 mm
Envelope C6 114×162 mm

Envelope 132×220 mm
Photo Paper 4×6 in
Panoramic 210×594 mm
B4 257×364 mm *
US B 11×17 in *
A3 297×420 mm *
Super A3/B 329×483 mm *
B3 364×514 mm *
A2 420×594 mm *
US C 17×22 in *
User Defined (See [Creating User Defined Paper Sizes](#) for instructions.)

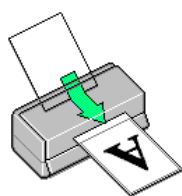
- 5 If you did not or cannot select the number of copies you want to print in your application program's Print dialog box, choose the number in the **Copies** box. Don't select the number of copies here and in your application's Print dialog box; you may get twice the number of copies you want.
- 6 If you're printing multiple copies of a multi-page document and you want the copies printed in sets, click the **Collate** checkbox. The page graphics change to show collated documents.



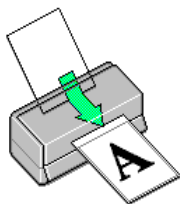
The Rotate by 180° setting lets you print the lower portion of a document first, with a bottom margin as small as 0.12 inch (3 mm) and a top margin as small as 0.55 inch (14 mm). This option is not available with Windows 3.1.

When you select Maximum as the Printable Area setting, print quality may decrease in the expanded printable area in the bottom margin.

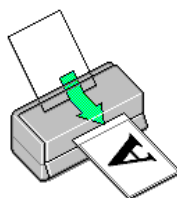
- 7 If you're printing a multi-page document and want the last page printed first so the pages come out without needing to be reordered, click the **Reverse Order** checkbox. The page graphics change to show later pages printing first.
- 8 Select the direction of printing on the page with the Orientation options. To print your document oriented as shown in one of the following illustrations, select the options listed below it.



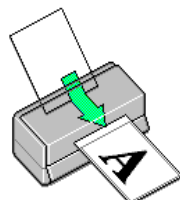
Portrait



Portrait and
Rotate by 180°



Landscape



Landscape and
Rotate by 180°

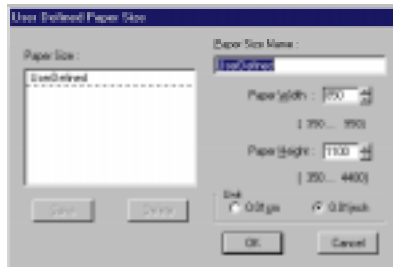
- 9 The **Standard** Printable Area setting uses the maximum printable area of your paper with a minimum bottom margin of 0.55 inch (14 mm). To decrease the minimum bottom margin to 0.12 inch (3 mm), set the Printable Area setting to **Maximum**. To center your document on the page using either setting, select the **Centered** checkbox.
- 10 Click a tab for the settings you want to check or change next, or click **OK** to print your document.

Creating User Defined Paper Sizes

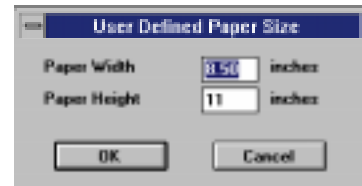
You can create up to 10 custom paper sizes (one in Windows 3.1) and add them to the Paper Size list using the **User Defined** option. This is useful if you're printing a custom size document, such as a banner. You can select any width from 3.5 to 9.5 inches, and any height (length) from 3.5 to 44 inches.

Follow these steps to create a **User Defined** paper size:

- 1 Follow the steps in [Printing from Windows](#) to access the printer software, then click the **Paper** tab.
- 2 Click the **Paper Size** list and scroll to the bottom of it using the arrows or scroll bar.
- 3 Click the **User Defined** option. You see one of the following dialog boxes:



Windows 95, 98, NT



Windows 3.1



In Windows 95, 98, and NT, the Paper Width and Paper Height units are in hundredth of an inch (or centimeter) increments. For example, 850 equals 8.50 inches.

4 Windows 95, Windows 98, or Windows NT

Type a name (up to 24 characters) for your custom paper size in the **Paper Size Name** field. Then select a **Paper Width** and **Paper Height** for the paper. To use centimeters instead of inches, click the **0.01cm** option. When you're finished, click **Save**. The paper size name appears in the Paper Size list in the dialog box. Add more sizes if you want, and click **OK** when you're done.

Windows 3.1

You can create only one User Defined paper size. Type the width in the **Paper Width** field and the length in the **Paper Height** field. Then click **OK**.

- 5 You see the Paper tab again. The paper size name you defined is added to the Paper Size list and selected as the current setting. (In Windows 3.1, the setting is named User Defined.)
- 6 Click a tab for the settings you want to check or change next, or click **OK** to print your document.

Changing or Deleting a Custom Paper Size

Windows 95, Windows 98, or Windows NT

- 1 Click **User Defined** in the Paper Size list.
- 2 On the User Defined Paper Size dialog box, select the custom paper name in the Paper Size list and change the **Paper Width**, **Paper Height**, and/or **Unit** settings as necessary, or click **Delete**.
- 3 Click **OK** when you're done.

Windows 3.1

You can change the custom paper size, but cannot delete it.

- 1 Click **User Defined** in the Paper Size list.
- 2 On the User Defined Paper Size dialog box, change the **Paper Width** and **Paper Height** settings as necessary.
- 3 Click **OK** when you're done.

Selecting Paper Options on a Macintosh

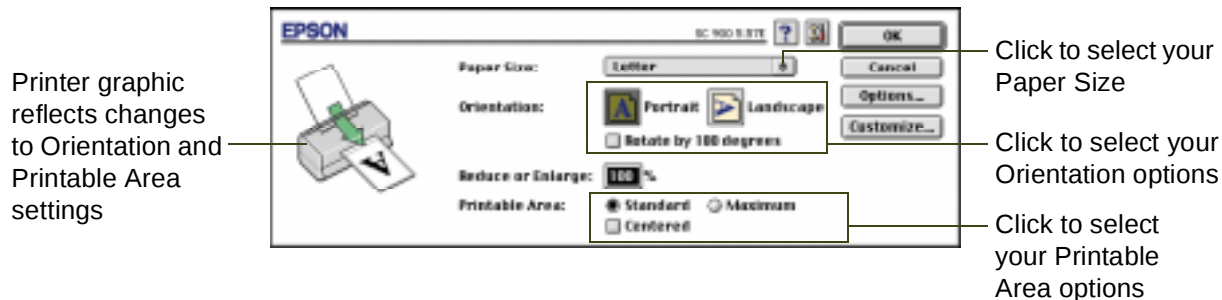
The Paper Size and Orientation options for your printer software are on the Page Setup dialog box. The options for collating and reversing the page order are on the Layout dialog box. Follow the steps in these sections for selecting the paper options:

- ▶ [Choosing Paper Size and Orientation Options](#)
- ▶ [Selecting Print Order Options](#)

Choosing Paper Size and Orientation Options

Follow these steps to select the Paper Size and Orientation:

- 1 Create your image or document in your application software.
- 2 Open the File menu and select **Page Setup**. You see the Page Setup dialog box:



- 3 Click the **Paper Size** pop-up list to select the size of paper you loaded in the printer.

A4 210 × 297 mm

B5 182 × 257 mm

A5 148 × 210 mm

Letter 8 1/2 × 11 in

Legal 8 1/2 × 14 in

Executive 7 1/4 × 10 1/2 in

Half Letter 5 1/2 × 8 1/2 in

A6 Index card 105 × 148 mm

Index card 5 × 8 in

Index card 8 × 10 in

Envelope #10 4 1/8 × 9 1/2 in

Envelope DL 110 × 220 mm

Envelope C6 114 × 162 mm

Envelope 132 × 220 mm

EPSON Photo Paper 4 × 6 in

Panoramic 210 × 594 mm

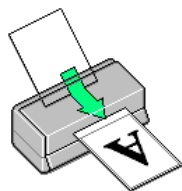
If you don't see the exact size you need, you can create a custom paper size; see [Creating Custom Paper Sizes](#).



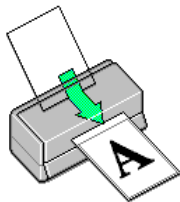
The Rotate by 180 degrees setting lets you print the lower portion of a document first, with a bottom margin as small as 0.12 inch (3 mm) and a top margin as small as 0.55 inch (14 mm).

When you select Maximum as the Printable Area setting, print quality may decrease in the expanded printable area in the bottom margin.

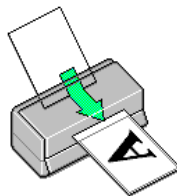
- 4 Select the direction of printing on the page with the **Orientation** options. To print your document oriented as shown in one of the following illustrations, select the options listed below it.



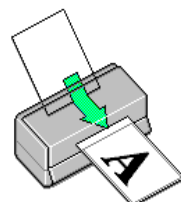
Portrait



Portrait and
Rotate by
180 degrees



Landscape



Landscape and
Rotate by
180 degrees

- 5 The **Standard** Printable Area setting uses the maximum printable area of your paper with a minimum bottom margin of 0.55 inch (14 mm). To decrease the minimum bottom margin to 0.12 inch (3 mm), set the Printable Area setting to **Maximum**. To center your document on the page using either setting, select the **Centered** checkbox.
- 6 To collate multiple copies of a multi-page document or reverse the order in which pages are printed, see [Selecting Print Order Options](#) for instructions.

If you've finished selecting options, click **OK** to close the Page Setup dialog box. Then select **Print** from the File menu to print your document.



To delete a custom paper size, click the Customize button.

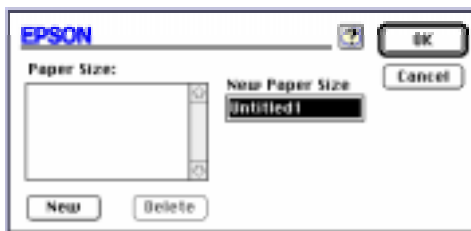
Then select the name of the custom paper size and click Delete.

Creating Custom Paper Sizes

You can create up to 8 custom paper sizes and add them to the **Paper Size** list. This is useful if you're printing a custom size document, such as a banner. You can select any width from 3.5 to 9.5 inches, and any height (length) from 3.5 to 44 inches.

Follow these steps to create a custom paper size:

- 1 Open your application's File menu and select **Page Setup**.
- 2 Click the **Customize** button. You see the following dialog box:



- 3 Click the **New** button. Width and Height fields and Inches and cm buttons appear on the screen.
- 4 Type the width and length of your custom paper in the **Width** and **Height** fields. If you need to change from inches to centimeters, click the **cm** button.
- 5 Type a name for your paper size in the **New Paper Size** field, then click **OK**. The name is added to the **Paper Size** list and selected as the current setting in the Page Setup dialog box.
- 6 Click **OK** to return to the Page Setup dialog box.

Selecting Print Order Options

Follow these steps to use the Collate and Reverse Order options:

- 1 Open your application program's File menu and select **Print**.
- 2 Click the  Layout icon. You see the Layout dialog box:



For information on the other settings on the Layout dialog box, see [Choosing Print Layout Options on a Macintosh](#).

Print Order options



- 3 If you're printing multiple copies of a multi-page document and you want the copies printed in sets, click the **Collate** checkbox. The page graphics change to show collated documents.
- 4 If you're printing a multi-page document and want the last page printed first so the pages come out without needing to be reordered, click the **Reverse Order** checkbox. The page graphics change to show later pages printing first.
- 5 Click **OK** to close the Layout dialog box.



Layout options
are not available
with Windows 3.1.

Selecting Print Layout Options

The print layout options let you reduce or enlarge almost any size document to print on your printer. You can also select options to proof multiple pages on one sheet of paper, add page frames, and add a predefined or custom watermark.

Follow the steps in the section for your operating system:

- ▶ [Choosing Print Layout Options in Windows](#)
- ▶ [Choosing Print Layout Options on a Macintosh](#)

Choosing Print Layout Options in Windows

Follow the steps in these sections to use options in the Layout dialog box:

- ▶ [Reducing and Enlarging Your Document Size](#)
- ▶ [Using Multiple Print Layouts and Page Frames](#)
- ▶ [Adding a Watermark](#)

Reducing and Enlarging Your Document Size

When you want to make the printed size of a document different from its original size, you can use your printer software's Reduce/Enlarge settings. You can make the document fit into the printable area on a selected paper size or you can choose to reduce or enlarge it to a selected percentage of its original size.

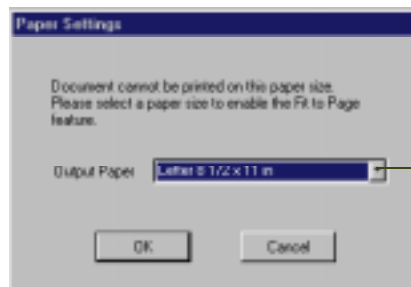
Follow these steps to reduce or enlarge your document size:

- 1** Create your document in your application software.
- 2** Follow the steps in [Printing from Windows](#) to access the printer settings dialog box, then click the **Paper** tab.
- 3** Click the **Paper Size** list and select your document's size as determined by your application.
- 4** If the Paper Size setting you selected is *within* the maximum paper size that can fit on your printer, but you want to *enlarge* or *reduce* the document, go to [step 6](#).

- 5 If the Paper Size setting you selected is *larger* than the maximum size that can be printed on your printer, you see the following dialog box:

In the Output Paper list, select the actual size of the paper loaded in the printer and click **OK**. This automatically turns on the Fit to Page setting so the document fits into the printable area on the output paper you select.

The selected **Paper Size**, reduction percentage, and **Output Paper** settings now appear above the printer graphic.

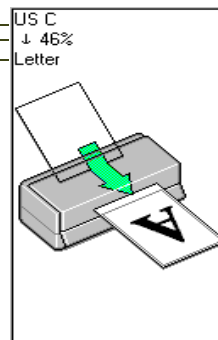


Output Paper list

Paper Size setting

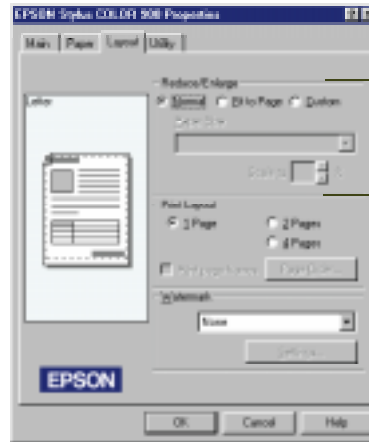
reduction percentage

Output Paper setting



If you want to adjust the proportions or sizes further, go to [step 6](#). If you're ready to print, go to [step 8](#).

6 Click the **Layout** tab. You see the Layout dialog box:



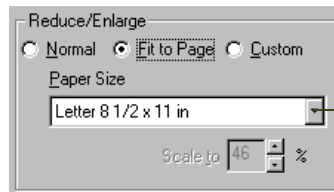
Reduce/Enlarge settings



If you previously selected a Paper Size setting that is larger than the maximum paper size for your printer and then choose Normal, the Paper Size changes to Letter 8 1/2 × 11 in.

7 Select one of the following Reduce/Enlarge settings:

- ▶ Select **Normal** to set the print proportion to 100%.
- ▶ Select **Fit to Page** to automatically reduce or enlarge the document to fit on the paper size loaded in the printer. The Paper Size option beneath the Fit to Page setting becomes active, if necessary; select the size of paper loaded in the printer.



Select Fit to Page, then select the size of paper loaded in the printer here

- ▶ Select **Custom**, then select a percentage (10% to 400%) in the **Scale to** field to resize the document by a specific amount.

- 8 If you're finished selecting Layout options, click **OK**.

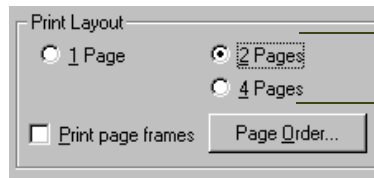
If you want to select more options, see [Using Multiple Print Layouts and Page Frames](#) and [Adding a Watermark](#).

Using Multiple Print Layouts and Page Frames

If you're printing a multi-page document, but you want a quick proof of the images on each page printed on one piece of paper, you can select Print Layout options in the printer software. You can choose the way the pages are placed on the paper and add a lined frame to each page.

Follow these steps to use the Print Layout options:

- 1 Follow the steps in [Printing from Windows](#) to access the printer settings dialog box.
- 2 Click the **Layout** tab. You see the Layout dialog box.
- 3 To print multiple pages of your document on one sheet of paper, select either the **2 Pages** or **4 Pages** button.



Click a button to select a multi-page print layout



To add a custom watermark, you must first create the watermark as a bitmap in an application program that can create bitmap files. See your application's documentation for instructions.

If you selected a multi-page print layout option (as described in [Using Multiple Print Layouts and Page Frames](#)), your watermark will appear on each page in the layout.

- 4 If the page order in the on-screen graphic is how you want your document printed, go to step 5.
To change the page order, click the **Page Order** button. Then select the page order you want to use from the Print Layout dialog box that appears.
- 5 If you want to frame each page's contents with a black line, one dot wide, click the **Print page frames** checkbox.
- 6 If you're finished selecting Layout options, click **OK**. If you want to select more options, see [Reducing and Enlarging Your Document Size](#) and [Adding a Watermark](#).

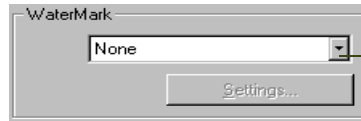
Adding a Watermark

You can add a watermark to each page in your document to emphasize its purpose or indicate how it should be handled. For example, you may want to add a watermark of the word "Confidential" to documents you don't want distributed to other parties. Or you can add a custom bitmap of your company logo so your document looks like printed letterhead.

Follow these steps to add a watermark:

- 1 Follow the steps in [Printing from Windows](#) to access the printer settings dialog box.
- 2 Click the **Layout** tab. You see the Layout dialog box.

- 3 To select a watermark, click the **WaterMark** drop-down list.



WaterMark
drop-down list

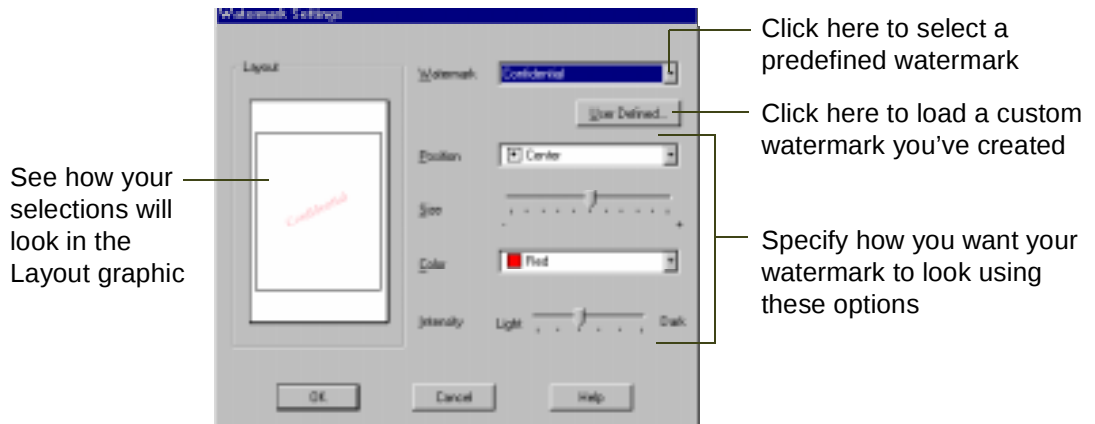
Then highlight one of the following watermarks:

Confidential
Draft
Urgent
Priority
Hot

Do Not Copy
For Your Eyes Only
Review Copy
Top Secret
Duplicate

To turn off your watermark, select **None** from the drop-down list.

- 4 To change the watermark or specify how it appears, click the **Settings** button. You see the following dialog box:



See how your
selections will
look in the
Layout graphic

Click here to select a
predefined watermark

Click here to load a custom
watermark you've created

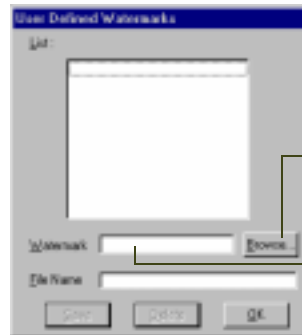
Specify how you want your
watermark to look using
these options



You can create up to 10 custom watermarks using any bitmap file up to 15MB in size. With Windows NT, the file can be any size.

To delete a custom watermark from the list, click the User Defined button, select the watermark, and click Delete.

- 5 To load a custom watermark you've created as a bitmap file in an application program, click the **User Defined** button. You see the following dialog box:



Click Browse to select your bitmap file

Then type a name for your custom watermark here and click Save

Click the **Browse** button. You see a file selection dialog box. Navigate to the folder containing the bitmap file you want to use, select the file, and click **OK**.

Type a name for the custom watermark (up to 24 characters long) in the **Watermark** field. Click the **Save** button to add it to the list, then click **OK**.

The custom watermark now appears as the selected watermark in the Watermark Settings dialog box and is shown in the on-screen graphic.



If your monitor displays only 16 colors, the Intensity adjustments are not shown in the Layout graphic.

- 6 Now select the way you want the watermark to appear by choosing the following options. The on-screen graphic changes to reflect all the settings you choose.
 - ▶ **Position** selects where you want the watermark to appear on your page: **Center**, **Top-Left**, **Top-Center**, **Top-Right**, **Left**, **Right**, **Bottom-Left**, **Bottom-Center**, or **Bottom-Right**.
 - ▶ **Size** adjusts the size of the watermark, either larger or smaller, as you move the slide bar.
 - ▶ **Color** lets you choose a color for your predefined watermark: **Black**, **Blue**, **Aqua**, **Lime**, **Fuchsia**, **Red**, or **Yellow**. You cannot select a color for a custom watermark; it is printed in its original colors.
 - ▶ **Intensity** sets the lightness or darkness of the watermark based on where you move the slide bar.
- 7 If you're finished changing Layout options, click **OK**. If you want to select more options, see [Reducing and Enlarging Your Document Size](#) and [Using Multiple Print Layouts and Page Frames](#).

Choosing Print Layout Options on a Macintosh

Follow the steps in these sections to use options in the Layout dialog box:

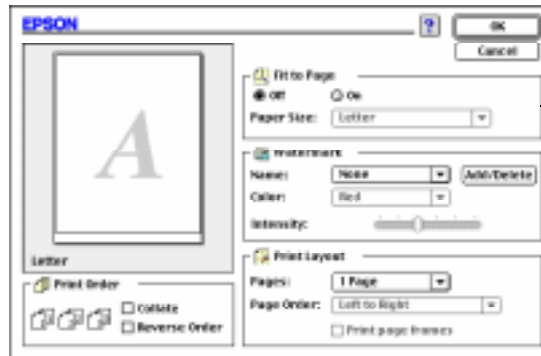
- ▶ [Using the Fit to Page Option](#)
- ▶ [Adding a Watermark](#)
- ▶ [Using Multiple Print Layouts and Page Frames](#)

Using the Fit to Page Option

When you want to make the printed size of a document different from its actual size, you can use your printer software's Fit to Page option to proportion it to fit on a selected paper size.

Follow these steps to use the Fit to Page option:

- 1 Create your image or document in your application software.
- 2 Open the File menu and select **Page Setup**. You see the Page Setup dialog box.
- 3 Click the **Paper Size** list and select the original size of your document.
- 4 Click **OK** to close the Page Setup dialog box.
- 5 Now open the File menu and select **Print**.
- 6 On the Printer Settings dialog box, click the  Layout icon. You see the Layout dialog box:

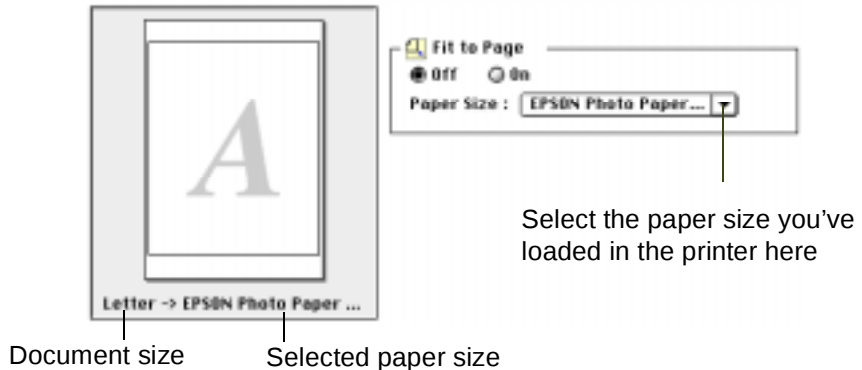


Fit to Page
settings

7 Select one of the following Fit to Page options:

- ▶ Select **Off** to set the print proportion to 100%.
- ▶ Select **On** to automatically reduce or enlarge the document to fit on the paper size loaded in the printer.

The **Paper Size** option beneath the **Fit to Page** setting becomes active.



Now select the size of the paper you've loaded in the printer. This automatically sets the correct reduction or enlargement to fit the document into the printable area on the selected paper size. The selected document size and paper size settings now appear beneath the paper graphic.

8 If you're finished selecting Layout options, click **OK**.

If you want to select more options, see [Adding a Watermark](#) and [Using Multiple Print Layouts and Page Frames](#).



To add a custom watermark, you must first create the watermark as a PICT file in an application program that can create PICT files. See your application's documentation for instructions.

If you selected a multi-page print layout option (as described in [Using Multiple Print Layouts and Page Frames](#)), your watermark will appear on each page in the layout.

Adding a Watermark

You can add a watermark to each page in your document to emphasize its purpose or indicate how it should be handled. For example, you may want to add a watermark of the word "Confidential" to documents you don't want distributed to other parties. Or you can add a custom PICT file of your company logo so your document looks like printed letterhead.

- 1 Open an application and select a document to print.
- 2 Open the File menu and click **Print**.
- 3 In the printer settings dialog box, click the  Layout button.
- 4 To use one of the predefined watermarks listed below, click the arrow in the **Name** list in the Watermark box and select the watermark. Then continue with [step 6](#).

Confidential
Draft
Urgent
Priority
Hot

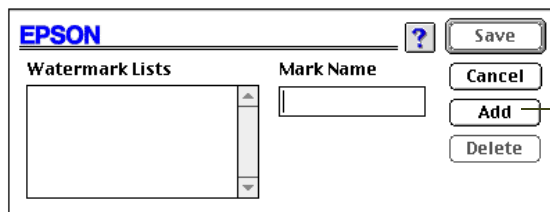
Do Not Copy
For Your Eyes Only
Review Copy
Top Secret
Duplicate



You can create up to 10 custom watermarks from PICT files up to 1MB in size.

To delete a custom watermark from the list, click the Add/Delete button, select the watermark, and click Delete.

- 5 To load a custom watermark you've created as a PICT file in an application program, click the **Add/Delete** button. You see the following dialog box:



Click the Add button to select a PICT file

Click the **Add** button. You see a dialog box for selecting files. Navigate to the folder containing the PICT file you want to use, select the file, and click **Open**.

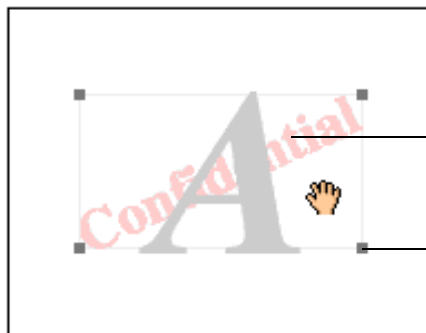
The name of your PICT file appears in the Mark Name field and is added to the Watermark List. Click the **Save** button to close the dialog box.

The custom watermark now appears as the selected watermark in the Layout dialog box and is shown in the layout graphic.



If your monitor displays only 16 colors, the Intensity adjustments are not shown in the Layout graphic.

- 6 Now select the way you want the watermark to appear by choosing the following options. The layout graphic changes to reflect all the settings you choose.
 - ▶ **Color** lets you choose a color for your predefined watermark: **Black, Blue, Aqua, Lime, Fuchsia, Red, or Yellow**. You cannot select a color for a custom watermark; it is printed in its original colors.
 - ▶ **Intensity** sets the lightness or darkness of the watermark based on where you move the sidebar.
 - ▶ To adjust the size and position of the watermark, move the cursor over the Layout graphic. Four boxes appear in the corners of the graphic and the cursor changes to a hand.



Click and drag anywhere in here to move the watermark

Click and drag one of the corner boxes to resize the watermark

To move the watermark, click anywhere inside the graphic and drag it into one of these positions: center, top-center, upper-right, middle-right, lower-right, bottom-center, upper-left, middle-left, or lower-left.

To resize the watermark, move the cursor over one of the corner boxes; the cursor changes to a pointing hand. Click and drag the box corner to reduce or enlarge the watermark.

- 7 If you're finished changing Layout options, click **OK** to close the Layout dialog box.

If you want to select more options, see [Using the Fit to Page Option](#) and [Using Multiple Print Layouts and Page Frames](#).

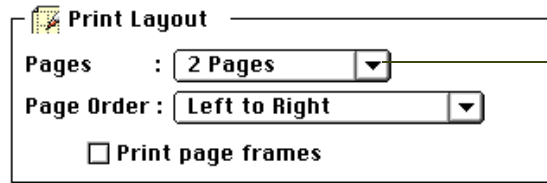
Using Multiple Print Layouts and Page Frames

If you're printing a multi-page document and you want a quick proof of the images on each page printed on one piece of paper, you can select a Print Layout option in the printer software. You can choose the way the pages are placed on the paper and add a lined frame to each page.

Follow these steps to use the Print Layout options:

- 1 Open an application and select a document to print.
- 2 Open the File menu and click **Print**. You see the printer settings dialog box.
- 3 Click the  Layout button. You see the Layout dialog box.

- 4 To print multiple pages of your document on one sheet of paper, select either **2 Pages** or **4 Pages** in the Pages pop-up list.



Print Layout

Pages : 2 Pages ▼

Page Order : Left to Right ▼

☐ Print page frames

Click the arrow and select a multiple page print layout

- 5 If the page order of the layout shown in the printer graphic is how you want your document printed, go to step 6.

To change the page order, click the arrow in the **Page Order** pop-up list. Then select the page order you want to use.

- 6 If you want to frame each page's contents with a black line, one dot wide, click the **Print page frames** checkbox.
- 7 If you're finished selecting Layout options, click **OK**.

If you want to select more options, see [Using the Fit to Page Option](#) and [Adding a Watermark](#).

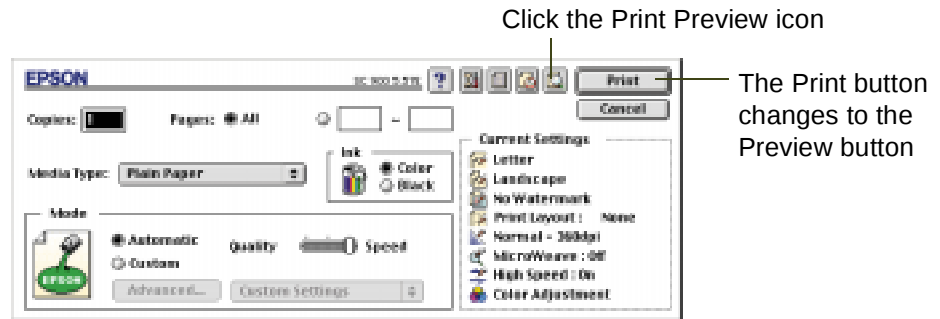
Using Print Preview on the Macintosh

You can get a preview of how your document will print with the Print Preview feature in your Macintosh printer software. Print Preview shows the results of the following printer software settings on your document:

- ▮ Print layout settings such as Fit to Page, Page Order, Watermark, Reverse Order, and Collate
- ▮ Page Setup options, such as Paper Size, Orientation, Rotate by 180 degrees, and Printable Area

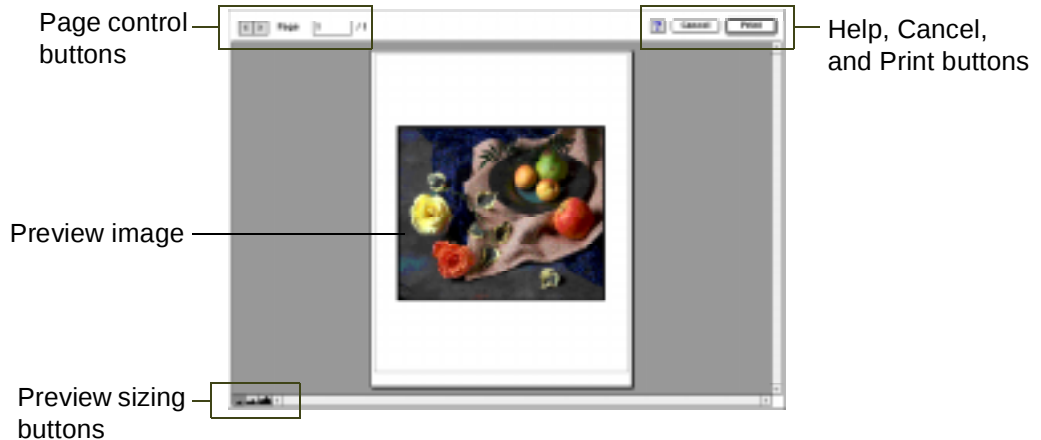
Follow these steps to use Print Preview:

- 1 Open an application and select a document to print.
- 2 Open the File menu and click **Print**. You see the printer settings dialog box:



- 3 Click the  Print Preview icon. The **Print** button changes to the **Preview** button.

4 Click the **Preview** button. You see the print preview dialog box:



When you click Cancel, the Preview and Print dialog boxes close, but your current print settings remain the same.

- 5 The first preview page is the first page of your document. To change the preview page, click the ◀ or ▶ button to go back or forward one page, or enter a page number in the **Page** field.
- 6 To change the size of the preview, click the following buttons:
 - ▶ Click  to see the entire page, reduced to fit in the display
 - ▶ Click  to see a mid-size preview
 - ▶ Click  to see the page enlarged with the most detail
- 7 To print your document, click **Print**. To close the print preview dialog box and return to your application, click **Cancel**.

Saving Custom Settings

After you've fine-tuned your printer settings for a special project, you can save the settings as a group. Then you can quickly reuse them the next time you print a similar project. You can save up to 10 groups of settings.

- 1 Customize your printer settings, then access the Advanced dialog box as described in [Customizing Print Quality and Special Effects](#).

(In Windows 3.1, access the main printer settings dialog box as described in [Printing from Windows](#), then click **Advanced**.)

- 2 Click the **Save Settings** button. You see this dialog box:



Windows



Macintosh

- 3 Type a unique name for your settings (up to 16 characters) and click the **Save** button.
- 4 Click **OK** to close the Advanced dialog box (not necessary with Windows 3.1).

To use the settings, click **Custom** (in Windows 3.1, click **Advanced**). Then open the Custom Settings list and double-click the name you selected for your custom settings group. (On a Macintosh, the custom settings group is automatically selected.)

To redefine or delete your custom settings, see [Revising Custom Settings](#) or [Deleting Custom Settings](#).

Revising Custom Settings

To change the options in a customized settings group but keep the same name for it, follow these steps:

- 1 From the main printer settings dialog box, click **Custom** (in Windows 3.1, click **Advanced**). Then select the name of the custom settings group you want to redefine in the Custom Settings list.
- 2 Click the **Advanced** button (in Windows 3.1, click **More Settings**) and change the printer settings.
- 3 When you're finished changing the settings, click **Save Settings**. (In Windows 3.1, click **OK** to close the More Settings dialog box and then click **Save Settings** on the main printer settings dialog box.)
- 4 Select the name of the custom settings group you're revising in the Custom Settings dialog box. (On a Macintosh, it's automatically selected.)



If you'd rather have a new custom settings group, type in a new name (up to 16 characters) and click Save.

- 5 If you're using Windows, click **Save**. Click **OK** at the Save As dialog box to save your revised settings. (Click **Cancel** to cancel your changes.)

On a Macintosh, click the **Redefine** button. Then click **Replace** at the confirmation dialog box to save your redefined settings. (Click **Cancel** to cancel your changes.)



You cannot delete any of the predefined document types.

Deleting Custom Settings

- 1 From the main printer settings dialog box, click **Custom**, then click the **Advanced** button.
- 2 Click **Save Settings** on the Advanced dialog box. (In Windows 3.1, click **Advanced**, then click **Save Settings** on the main printer settings dialog box.)
- 3 Select the custom settings group in the Custom Settings box, and click **Delete**. Then click **OK** to confirm the deletion (Windows only).

Printing on Special Media

Your EPSON Stylus COLOR 900 lets you print on just about any kind of paper you want to use. You can get great results printing on various sizes of plain paper, letterhead, and envelopes, but you'll get even better results with EPSON's specially coated ink jet paper.

For the best output, use EPSON's photo-quality paper: ink jet paper, glossy film, ink jet cards, and photo paper.

For special projects, you can use a variety of EPSON media designed for ink jet printers, ranging from transparencies to iron-on transfer paper.

This chapter covers the following:

- ▶ [Selecting Special Media](#)
- ▶ [Media Loading and Handling Guidelines](#)

Selecting Special Media

When you print on special paper or other media, you need to choose the correct Media Type and Paper Size settings in your printer software. The table below lists the available EPSON media and the corresponding Media Type setting for each one.

Media name	Size	Part number	Media Type setting
EPSON 360 dpi Ink Jet Paper	Letter A4 (8.3 × 11.7 inches)	S041060 S041059	360 dpi Ink Jet Paper
EPSON Iron-On Cool Peel Transfer Paper	Letter	S041153/S041155	
EPSON High Quality Ink Jet Paper	Letter A4 (8.3 × 11.7 inches)	S041111 S041117	Photo Quality Ink Jet Paper
EPSON Photo Quality Ink Jet Paper	Letter A4 (8.3 × 11.7 inches) Legal	S041062 S041061 S041067	
EPSON Photo Quality Ink Jet Cards	A6 (4.1 × 5.8 inches) 8 × 10 inches	S041054 S041122	
EPSON Photo Quality Self Adhesive Sheets	A4 (8.3 × 11.7 inches)	S041106	
EPSON Photo Paper	4 × 6 inches Letter A4 (8.3 × 11.7 inches) Panoramic	S041134 S041141 S041104 S041145	Photo Paper

Media name	Size	Part number	Media Type setting
EPSON Photo Quality Glossy Film	Letter A4 (8.3 × 11.7 inches) A6 (4.1 × 5.8 inches)	S041072 S041071 S041107	Photo Quality Glossy Film
EPSON Photo Stickers Kit (CD-ROM and paper)	A6 (4.1 × 5.8 inches)	S041144-KIT	
EPSON Photo Stickers (refill, paper only)	A6 (4.1 × 5.8 inches)	S041144	
EPSON Ink Jet Transparencies	Letter A4 (8.3 × 11.7 inches)	S041064 S041063	Ink Jet Transparencies

To order EPSON paper and other media, contact your dealer or call EPSON Accessories at (800) 873-7766 (U.S. only). Or visit our website at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.



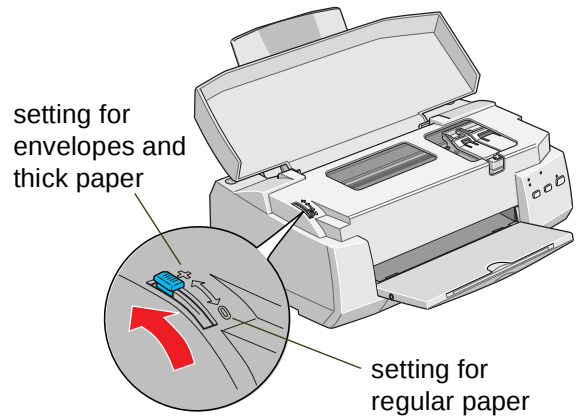
Don't use any cleaning sheets included with special media; they may jam inside the printer.

Media Loading and Handling Guidelines

The type of paper or other media you use is one of the most important factors in determining the quality of your printed output. The following tips will help you get the best results on any type of paper or other media:

- ▶ Always handle sheets by the edges, and don't touch the printable surface.
- ▶ Be sure to load the printable (whiter or glossier) side of the media face up in the sheet feeder.
- ▶ Load paper only up to the arrow mark on the left edge guide.
- ▶ Remember to select the correct Media Type and Paper Size for your paper.
- ▶ If the special media has protective sheets between the sheets of media, be sure to remove the protective sheets before printing. After printing, cover the printed side of your media with these sheets before storing.
- ▶ Use ink jet papers within one year of purchase. Use glossy film and transparencies within six months. Return unused sheets and envelopes to their original packages as soon as possible. See [Paper](#) for more media storage information.

- ▶ Set the thickness lever to the + position when you print on envelopes or if ink smears when you print on other thick media. Open the printer cover and position the lever as shown below. Then close the cover and print. (Make sure you return the lever to the 0 position before you print on regular media.)



- ▶ Some media require additional loading instructions. See the following sections for more information about:
 - ▶ [Letterhead, Preprinted Forms, and Legal-size Paper](#)
 - ▶ [Envelopes](#)
 - ▶ [EPSON Photo Paper](#)
 - ▶ [EPSON Photo Quality Ink Jet Cards](#)
 - ▶ [EPSON Ink Jet Transparencies](#)
 - ▶ [EPSON Photo Quality Self Adhesive Sheets](#)
 - ▶ [EPSON Photo Quality Glossy Film](#)
 - ▶ [EPSON Photo Stickers](#)
 - ▶ [EPSON Iron-On Cool Peel Transfer Paper](#)

Letterhead, Preprinted Forms, and Legal-size Paper

Load the top edge first. When you load legal-size paper, pull up the paper support extension and both output tray extensions. Load a maximum of 100 sheets. Select **Plain paper** as the Media Type and be sure to choose the correct Paper Size setting in your printer software.

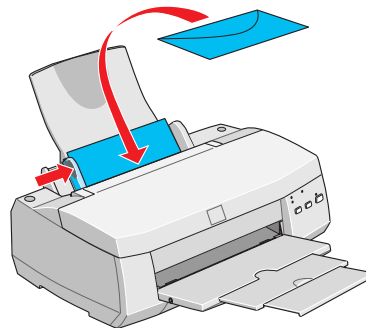
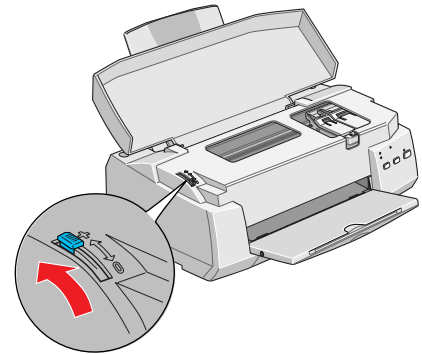


If the stack of envelopes is more than 0.4-inch (10 mm) thick, press each envelope flat before stacking it or load one envelope at a time.

Envelopes

When you print on envelopes, set the thickness lever to the **+** position as shown. (Make sure you return the lever to the **0** position before you print on other media.)

You can load up to 10 envelopes at a time. Load the envelope flap edge first and printable side up. Place it against the right edge guide and adjust the left edge guide as shown.



Select **Plain paper** as the Media Type and choose the correct envelope size as the Paper Size setting in the printer software.

EPSON Photo Paper

You can use EPSON Photo Paper to print photographs that look almost as good as the ones you get from film processing. EPSON Photo Paper is available in several sizes.

You can load up to 20 sheets of 4 × 6-inch, letter-size, or A4-size Photo Paper or 1 sheet of Panoramic paper at a time. Make sure you place a support sheet beneath the paper if it is included in the paper package.

To keep your printouts looking their best, store them in a resealable plastic bag or other airtight covering and protect them from heat, humidity, and direct sunlight. Return unused paper to the original package as soon as you finish printing.

Keep the following in mind when using EPSON Photo Paper:

- ▶ Load the paper with the whiter (glossier) side facing up.
- ▶ If you're loading Panoramic Photo Paper, pull up the paper support extension. Then load one sheet of Panoramic Photo Paper and hold up its top edge while you press the  load/eject button to feed it into the printer.

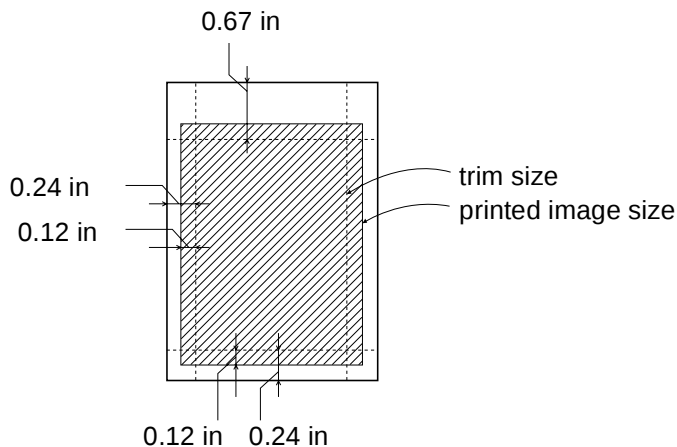
Select **Photo Paper** as the Media Type setting and **Panoramic 210 × 594 mm** for the Paper Size setting.

Be sure to support your Panoramic Photo Paper as it ejects from the printer so it doesn't fall onto the floor.



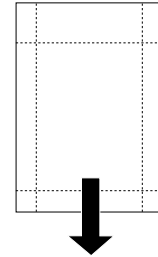
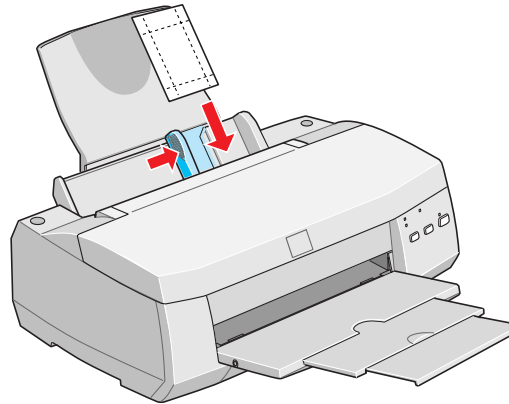
EPSON 4 × 6-inch Photo Paper is perforated around the edges so you can trim your printouts and “bleed” the photo—extend it to the edge of the paper—on all sides.

- If you're using 4 × 6-inch Photo Paper, follow these steps:
 - 1 When you create the image in your application software, size it to 4.25 × 6.25 inches. You can also use your printer software's Reduce/Enlarge settings, as described in [Reducing and Enlarging Your Document Size](#).



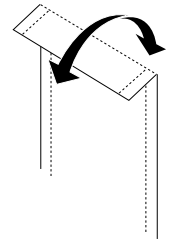
- 2 Choose these printer software settings:
 - **Photo Paper** as the Media Type setting.
 - **Photo Paper 4 × 6 in** as the Paper Size setting
 - **Maximum** as the Printable Area setting.

- 3** Load the paper against the right edge guide with the glossy side facing up and the perforated margins positioned as shown:



You can load up to 20 sheets of Photo Paper at a time. Make sure you place the included support sheets A and B beneath the stack, but don't print on them.

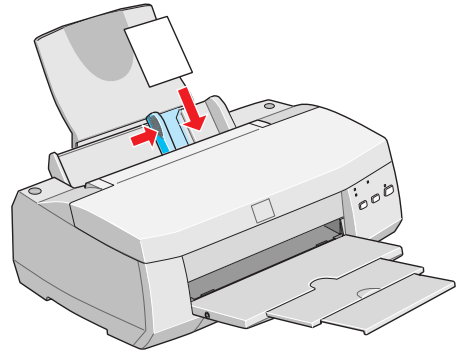
- 4** Slide the left edge guide against the left edge of the paper.
- 5** After you print your picture, fold the paper back and forth along the perforations and carefully tear the margins off.



EPSON Photo Quality Ink Jet Cards

You can load up to 30 cards at a time. Always place the included support sheet under the cards. Be sure the cards are against the right edge guide and the left edge guide is against the left edge of the cards.

When you're ready to print, set the **Paper Size** option for the size card you're using and set the Media Type to **Photo Quality Ink Jet Paper**. If ink smears on the cards, set the paper thickness lever to the **+** position as shown in [Envelopes](#).



EPSON Ink Jet Transparencies

Before you load transparencies, place the included support sheet or a plain paper sheet beneath the stack. You can load up to 30 transparencies. However, you may get better results by loading one sheet at a time. Select **Ink Jet Transparencies** as the Media Type in the printer software.

EPSON Photo Quality Self Adhesive Sheets

Use these sheets to print labels or stickers. You can load one sheet at a time. Make sure your adhesive sheets are fully adhered to their backing sheet before you load them. Set the Media Type to **Photo Quality Ink Jet Paper** in the printer software.

EPSON Photo Quality Glossy Film

Before you load glossy film, put a support sheet (packed with the media) or a plain paper sheet beneath the stack.

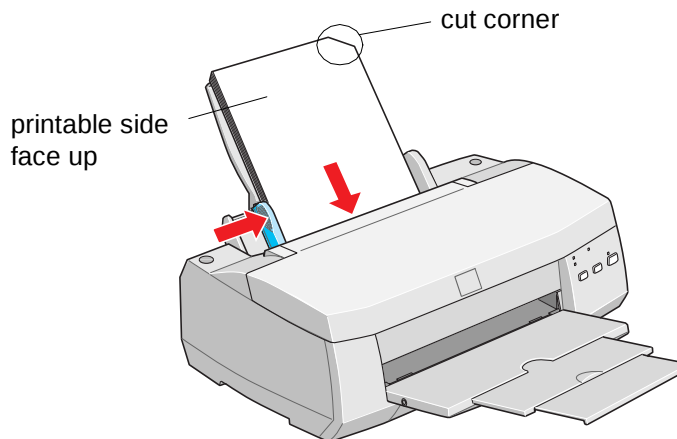
Load up to 20 sheets of glossy film and select **Photo Quality Glossy Film** as the Media Type.

You may get better results by loading one sheet at a time. With multiple sheets loaded, the minimum top margin you can use is 1.2 inches (30 mm). If you want to use a smaller top margin, load and print one sheet at a time.

If your media has a cut corner, position it in the printer as shown here.



It is best not to use the Maximum printable area setting in the printer software when printing on paper with a cut corner. Part of your document may print in the cut out area.



Remove each sheet from the output tray immediately after it's printed. Make sure each sheet is dry before stacking.

EPSON Photo Stickers

Use these sheets of stickers to print small, decorated photos for use on cards, invitations, or other items. You'll need to use an application that creates photo stickers, such as XLsoft's StickerPIX.™

Load one sheet of Photo Stickers at a time. Make sure to place support sheets A and B that came with the stickers beneath the sheet.

Select **Photo Quality Glossy Film** as the Media Type and **A6 Index 105 × 148 mm** as the Paper Size setting in the printer software.

EPSON Iron-On Cool Peel Transfer Paper

You can print photos, company logos, or anything else you want on these transfer papers, and then iron your images onto T-shirts or other cotton cloth items.

Load one sheet of transfer paper at a time and select **360 dpi Ink Jet Paper** as the Media Type setting.

Make sure you reverse your image before you print it—especially if it includes text—so it will read correctly when it's transferred. You can use the **Flip Horizontal** option in your printer software to do this (see [Customizing Print Quality and Special Effects](#) for instructions).

After you print, follow the instructions that came with the paper to iron the image onto the shirt or other item.

Managing Print Jobs

Your printer software includes several utilities for managing print jobs. You can use them to monitor your printer's status and check on the current print job or jobs waiting to print.

This chapter provides instructions for the following:

- ▶ Managing Print Jobs in Windows 95, Windows 98, and Windows NT 4.0
- ▶ Managing Print Jobs in Windows 3.1
- ▶ Managing Print Jobs on a Macintosh



Windows NT 4.0 servers and workstations include a messenger service to alert you to printer errors or let you know when a print job is finished. If you have appropriate network access privileges or you're controlling printing from the server, you can also set other options. See your Windows NT documentation for details.

Managing Print Jobs in Windows 95, Windows 98, and Windows NT 4.0

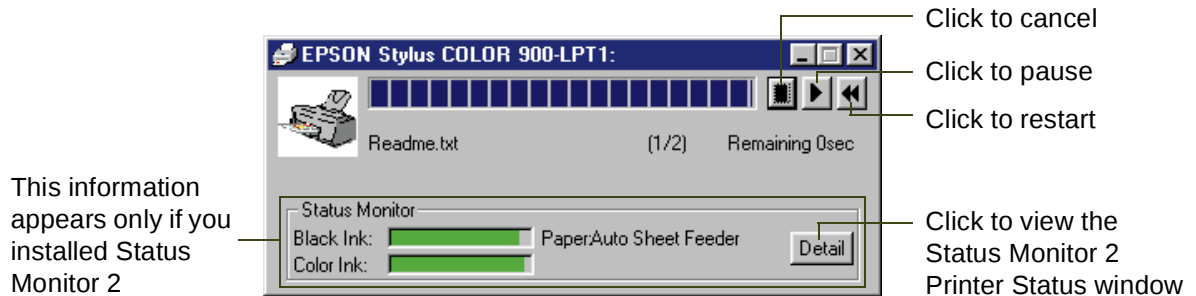
Your printer software offers three ways to manage and monitor your print jobs:

- ▶ Progress Meter, which appears each time you send a print job, as described in [Using the Progress Meter](#). You can turn the Progress Meter on or off and select other printing options using the Speed & Progress button; see [Displaying the Progress Meter](#) for details.
- ▶ Spool Manager (not available with Windows NT), which displays your current print job files and lets you pause and cancel individual print jobs. The Spool Manager appears in the taskbar at the bottom of the screen each time you print, as described in [Using the Spool Manager](#).
- ▶ Status Monitor 2, which provides a variety of print monitoring options, as described in [Using Status Monitor 2](#).

In addition, the Speed & Progress dialog box lets you optimize your system for the fastest transfer of data to your printer. See [Optimizing Data Transfer](#) for details.

Using the Progress Meter

After you send a print job, the Progress Meter window appears on your screen:



The Progress Meter shows the progress of your print job and the status of your printer. You can use the buttons to cancel, pause, or restart your print job.

If you installed Status Monitor 2, you also see information about how much ink you have left and can view the Status Monitor 2 Printer Status window. See [Using Status Monitor 2](#) for more information.

You can also set up the way your printer software sends print jobs and select whether or not to display the Progress Meter. See [Optimizing Data Transfer](#) and [Displaying the Progress Meter](#) for instructions.

Displaying the Progress Meter

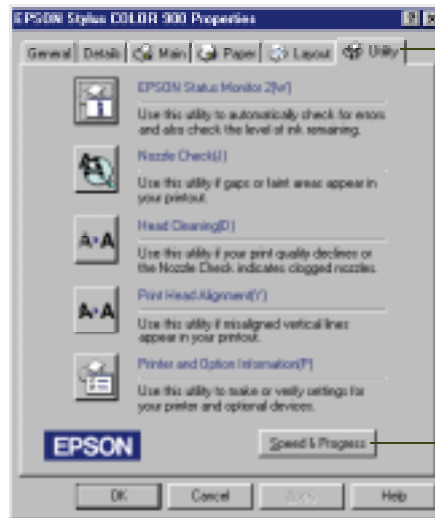
You can control whether or not the Progress Meter appears when you send a print job using the Speed & Progress dialog box.

To access the dialog box, you must open your printer software from the Windows Printers utility as described below.

- 1 Click **Start**, point to **Settings**, then click **Printers**.
- 2 Right-click the **EPSON Stylus COLOR 900** printer icon and select **Properties** (Windows 95 and 98) or **Document Defaults** (Windows NT) from the menu.
- 3 Click the **Utility** tab. You see the Utility menu:



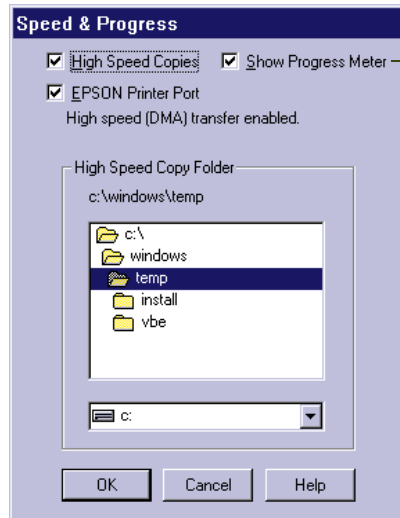
The Speed & Progress button is grayed out when you access your printer software through an application. You can access the Speed & Progress dialog box only through the Windows Printer Utility, as described here.



Utility tab

Speed & Progress button

- 4 Click the **Speed & Progress** button. You see this dialog box:



Select whether you want the Progress Meter to appear or not

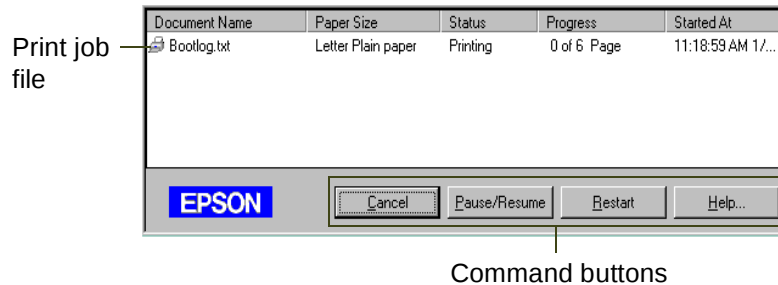
For information about other options in the Speed & Progress dialog box, see [Optimizing Data Transfer](#).

- 5 Click **OK** to close the Speed & Progress dialog box and return to the Utility menu. Then click **OK** again to exit your printer software.

Using the Spool Manager

The Spool Manager (not available with Windows NT) displays the status of your print job files and lets you control them.

To open Spool Manager while you're printing, click the **EPSON Stylus COLOR 900** button that appears on the taskbar at the bottom of the screen. You see the Spool Manager window:



To cancel, pause, resume, or restart a print job, click the job to highlight it; then click the corresponding command button on the bottom of the window.

Deleting a Print Job

If you're having trouble printing, it may be because of a stalled print job. Follow these steps to delete it and continue printing:

- 1 Click the **EPSON Stylus COLOR 900** button on the taskbar.
- 2 Click on any print jobs marked **Held**.
- 3 Click the **Cancel** button.
- 4 Exit Spool Manager and try printing again.



You can check printer status using Status Monitor 2 only when your printer is turned on and connected directly to your computer on a bidirectional port.

Using Status Monitor 2

Status Monitor 2 lets you view information about your printer and print jobs and control how you want printing monitored. Before you can use Status Monitor 2, you must enable background monitoring for your printer.

Follow the instructions in these sections to use Status Monitor 2:

- ▶ [Opening Status Monitor 2](#)
- ▶ [Turning On Background Monitoring](#)
- ▶ [Setting Up Monitoring Preferences](#)
- ▶ [Using the Status Monitor 2 Main Window](#)

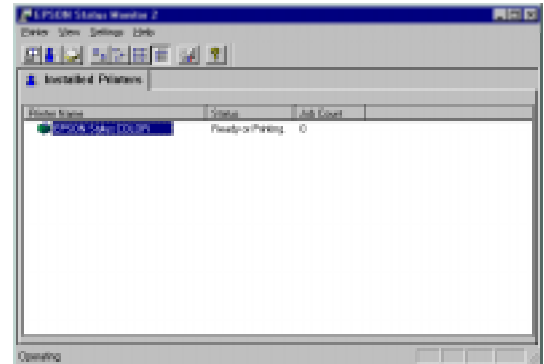
In addition to the main window, Status Monitor 2 has three detailed status windows:

- ▶ **Printer Status** gives troubleshooting tips and detailed information about printer errors. See [Using the Printer Status Window](#) for more information.
- ▶ **Job Status** shows print jobs that are currently printing or waiting to print. See [Using the Job Status Window](#) for more information.
- ▶ **Status Alert** reports errors, low ink levels, and other problems as they occur. See [Setting Up Monitoring Preferences](#) for more information.

Opening Status Monitor 2

To use Status Monitor 2 or to view any of its status windows, you must first open it. Follow these steps:

- 1 Make sure your printer is turned on.
- 2 Click **Start**, point to **Programs**, click the **Epson** folder, and click **EPSON Status Monitor 2**. You see the main window:





If you want to turn off background monitoring, follow steps 1 and 2, then select Stop monitoring now.

Turning On Background Monitoring

To turn on background monitoring, follow these steps:

- 1 Make sure your printer is turned on and then open Status Monitor 2 as described in [Opening Status Monitor 2](#). The main window appears.
- 2 From the Settings menu, select **Background Monitoring**.
- 3 Then select either **Monitor from restart** (to begin background monitoring after your next system restart) or **Monitor now** (to begin background monitoring right away). The  Background Monitoring icon appears on the taskbar, in the lower right-hand corner of your screen.

The  Background Monitoring icon remains on your taskbar, even after you close Status Monitor 2. To reopen the utility, double-click the icon. The color of the icon also helps you monitor your printer status, as described in [Interpreting the Installed Printer Icon](#).



Background monitoring must be turned on to change the Background Monitoring and Status Alert preferences.

Setting Up Monitoring Preferences

You can select the way you want Status Monitor 2 to monitor your printer using the Monitoring Preferences window. Follow these steps:

- 1 If you haven't already done so, turn on background monitoring as described in [Turning On Background Monitoring](#).
- 2 Click **EPSON Stylus COLOR 900** in the Installed Printers list.



If the Status Alert window takes a long time to appear after you send a print job, you may want to decrease the monitoring interval. This will make the Status Alert Window appear more quickly; however, shorter intervals may cause some applications to run more slowly.

- 3 Click the  Monitoring Preferences icon or select **Monitoring Preferences** from the Settings menu. (You can also right-click the printer name in the Installed Printers list and select **Monitoring Preferences** from the menu.) You see the Monitoring Preferences window.

Turn background monitoring on or off for the selected printer



Set the length of the interval in which you want Status Monitor 2 to monitor your printer here

Select if and when to use the Status Alert dialog box: while printing, when errors occur, and/or when ink is low

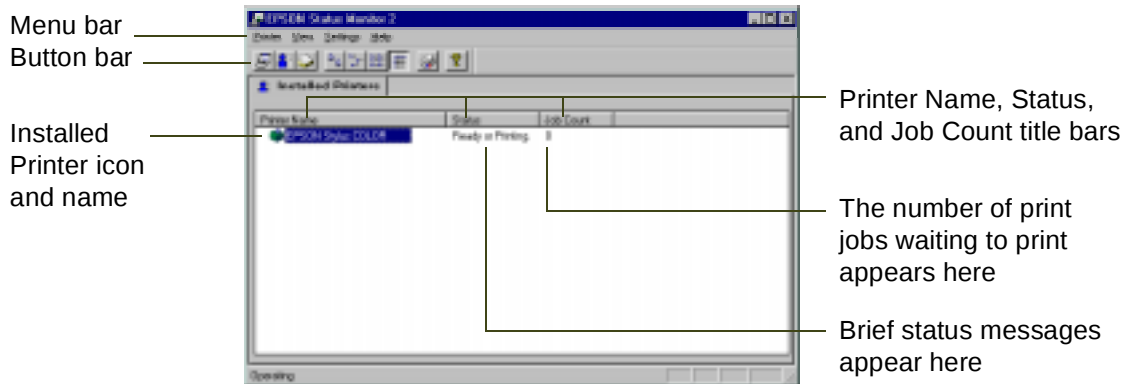
- 4 Click the **Monitor this printer** checkbox.
- 5 Turn on one or more of the Status Alert options to make the Status Alert window appear when the selected condition occurs. For example, if you turn on **Show when errors occur**, the dialog box appears only if a printing error occurs. If you select all the options, the dialog box appears whenever you print, encounter an error, or have low ink levels.

Using the Status Monitor 2 Main Window

Once you've enabled background monitoring for your printer and set up your monitoring preferences, there are two ways to access Status Monitor 2:

- ▶ Double-click the  icon on the taskbar in the bottom right corner of your screen.
- ▶ Click **Start**, point to **Programs**, click the **Epson** folder, and click **EPSON Status Monitor 2**.

When you start Status Monitor 2, you see the main window:



If you see more than one EPSON printer in the Installed Printers list, Status Monitor 2 has detected printer software for other EPSON printers on your system. If you connect another EPSON printer, you can monitor it with Status Monitor 2 the same way you monitor your EPSON Stylus COLOR 900.



You can change the shape of the Status Monitor 2 printer icon by clicking the Select background monitoring icon in the Settings menu and selecting the icon you want to use.

If you have more than one EPSON printer you want to monitor, you can add them using the **Add Printers** option in the Settings menu. To save system resources, you may want to delete any printers from the Status Monitor 2 list that you don't need to monitor. To do this, click the printer in the Installed Printers list and select **Delete Printer** from the Settings menu.

You can customize the appearance of items on the Status Monitor 2 main window using the View menu options or using icons on the button bar. If you're monitoring multiple printers, you can reorder them in the Installed Printers list by clicking **Printer Name**, **Status**, or **Job Count** in the title bar.

Other options in Status Monitor 2 let you view more details on the printer or job status, as described in [Using the Printer Status Window](#) and [Using the Job Status Window](#). You can also set when and if you want the Status Alert window to notify you of changes in your printer status. See [Setting Up Monitoring Preferences](#) for instructions.

Interpreting the Installed Printer Icon

The various Status Monitor 2 windows and the  Background Monitoring icon show a printer. The color of the printer indicates the printer status as follows:

Color	Status message
Green	Ready to print
Yellow	Paper and/or ink level is low
Red	Paper and/or ink is out, paper is jammed, or a print error has occurred
Gray or dimmed	Printer is either disconnected from your computer or turned off

Using the Printer Status Window

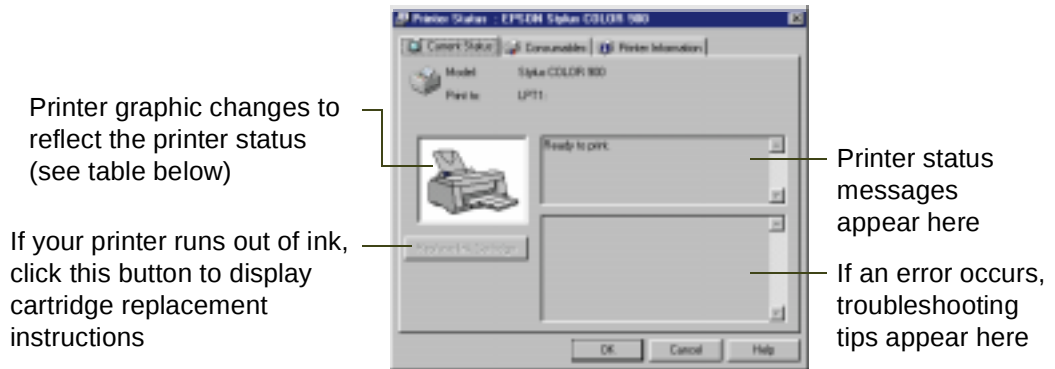
For more details on the status of your printer, you can use the Printer Status window. You can access the Printer Status window in different ways, depending on whether or not you're currently printing.

- If you're currently printing, click the **Details** button on either the Progress Meter (see [Displaying the Progress Meter](#)) or the Status Alert (see [Using the Status Alert Window](#)).
- If you're not currently printing, access your printer software, click the **Utility** tab; then click the **EPSON Status Monitor 2** icon.

You can also open Status Monitor 2 as described in [Opening Status Monitor 2](#), and click your printer name in the Installed Printers list.

Then click the  Printer Status icon or select **Printer Status** from the Printer menu.

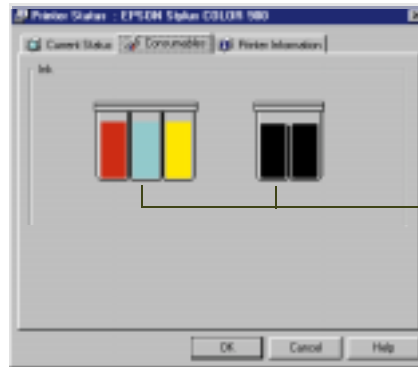
You see the Printer Status window. The Current Status tab gives printing status and troubleshooting tips.



The printer graphic in the Printer Status window gives status and error condition information:

Graphic	Condition
	Ready to print
	Paper isn't loaded correctly
	Paper is jammed
	Black ink is out
	Color ink is out
	A communication error has occurred
	Another type of printer error has occurred
	The printer is cleaning the print head or charging the ink cartridges.

To check the amount of ink you have, click the **Consumables** tab.



These graphics indicate the amount of ink remaining in your cartridges

(The **Printer Information** tab doesn't display information for your printer.)



The Job Status window is very similar to the Spool Manager window. Both allow you to pause, cancel, and restart print jobs. See [Using the Spool Manager](#) for more information.

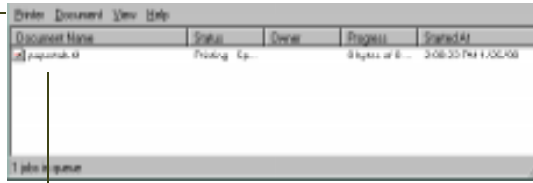
Using the Job Status Window

To view detailed information on the print jobs waiting to print, you can use the Job Status window (not available with Windows NT). There are two ways to open the window:

- ▶ Click the printer name in the Installed Printers list to highlight it and click the  icon or select **Job Status** from the Printer menu.
- ▶ Right-click the printer name in the Installed Printers list and select **Job Status** from the drop-down menu.

You see the Job Status window:

Menu bar



Information on jobs currently printing or waiting to be printed appears here

To pause or cancel a print job, first click in the Document Name list to highlight it. Then select either **Pause Printing** or **Cancel Printing** from the Document menu.

To pause or purge *all* waiting print jobs, select **Pause Printing** or **Purge Print Jobs** from the Print menu.

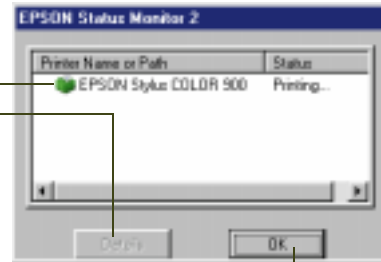
You can also select or deselect the printer as your Windows default, and access the printer software to change default settings from the Printer menu.

Using the Status Alert Window

To use the Status Alert window, you must turn on background monitoring and set the Status Alert Preferences. See [Turning On Background Monitoring](#) and [Setting Up Monitoring Preferences](#) for instructions.

The color of the printer icon in the Status Alert window indicates the type of error, as described in [Interpreting the Installed Printer Icon](#).

Click the printer name to highlight it, then click **Details** to open the Printer Status window; see [Using the Printer Status Window](#) for more information



Click here to close the Status Alert dialog box

Optimizing Data Transfer

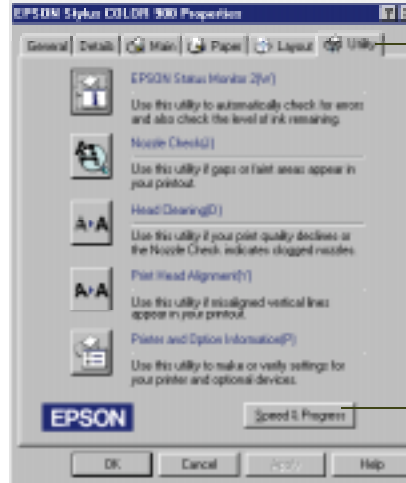
You can speed up the way your printer software processes multiple-copy print jobs using options in the Speed & Progress dialog box. You can also optimize your printer port for the fastest data transfer rate for EPSON printers, if your computer supports such transfers.

To access the Speed & Progress dialog box, you must open your printer software from the Windows Printers utility as described below.

- 1 Click **Start**, point to **Settings**, then click **Printers**.
- 2 Right-click the **EPSON Stylus COLOR 900** printer icon and select **Properties** (Windows 95 and 98) or **Document Defaults** (Windows NT) from the menu.
- 3 Click the **Utility** tab. You see the Utility menu:



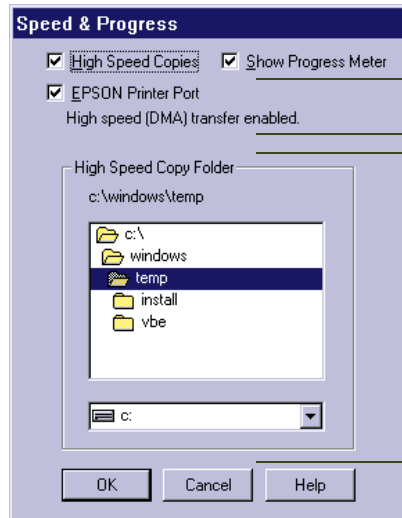
The Speed & Progress button is grayed out when you access your printer software through an application. You can access the Speed & Progress dialog box only through the Windows Printer Utility, as described here.



Utility tab

Speed & Progress button

4 Click the **Speed & Progress** button. You see this dialog box:



Not available with
Windows NT

If you have more than one
hard disk drive, you can select
a folder for storing multiple
copy print jobs here. You don't
see this box if you have only
one hard disk drive.

5 Select the following options:

- ▮ **High Speed Copies** speeds up printing of multiple copies of the same document using hard disk space as a cache. If you have multiple hard drives, you can select a high speed copy folder for storing copies.
- ▮ **EPSON Printer Port** (not available with Windows NT 4.0) lets you optimize the transfer rate of your printer port for EPSON printers instead of using the Windows default printer port. You may see one of these messages beneath the **EPSON Printer Port** option:
 - ▮ **High speed (DMA) transfer enabled** tells you that you're already using fast DMA transfer mode.
 - ▮ **For higher data transfer rates, use DMA transfer** lets you know that you can speed up printing by enabling DMA transfers on your system. See your computer documentation or contact your computer manufacturer's technical support for instructions on using DMA transfers, if your computer supports them.

If you see no message, you cannot enable DMA transfers on your system.

6 Click **OK** to close the Speed & Progress dialog box and return to the Utility menu. Then click **OK** again to exit your printer software.

Managing Print Jobs in Windows 3.1

Your Windows printer software includes two management utilities: the Spool Manager and Despooler.

- ▶ The Spool Manager starts automatically when you send a job to the printer. It allows you to print in the background while you continue to work on your computer and to hold jobs to print at a later time. If you're using your printer on a network, it also handles multiple print jobs that come in at the same time. See the next section for details.
- ▶ The Despooler also starts automatically when you send a job to the printer. It displays on your screen to provide printer status information. See [Windows 3.1](#) for details on the Despooler.

Using the Spool Manager

The Spool Manager works like the Windows Print Manager. When you send a job to your printer, your printer software creates a temporary print job file, stores it in the C:\TEMP or C:\WINDOWS\TEMP directory, and assigns it to a print queue. The software then sends the file to your printer at the right time.

To open Spool Manager, do one of the following:

- ▶ To open it while you're printing, click the **EPSON Spool Manager** icon at the bottom of your desktop.
- ▶ You can open Spool Manager at any time by double-clicking the **Spool Manager4** icon in the EPSON program group.



You may not see the Spool Manager icon if Program Manager or the current window is maximized. Reduce the window size to see the Spool Manager icon.

You see the Spool Manager window:



The Spool Manager window displays the status of your print job files and lets you control them. You can also control print queues, display of the Despooler, and the default spool directory. Click **Help** in the Spool Manager menu bar for detailed information.

Deleting a Print Job

If you're having trouble printing, it may be because of a stalled print job. Follow these steps to delete it and continue printing:

- 1 Open the Spool Manager as described in [Using the Spool Manager](#).
- 2 Click on any print jobs marked **Held**.
- 3 Open the Document menu and click **Delete**. Then click **Yes**.
- 4 Exit Spool Manager and try printing again.

Changing the Default Spool Directory

If you get an error message while printing, or printing is very slow, you can try changing your default spool directory.

- 1 Make a directory on your hard drive where you want Spool Manager to store print job files, for example, C:\SPLTEMP.
- 2 Open the Spool Manager as described in [Using the Spool Manager](#).
- 3 Make sure EPSON Stylus COLOR 900 is selected, and then choose **Setup** from the Queue menu. The Queue Setup dialog box appears.
- 4 Change the spool directory to the one you created in step 1. Also make sure **Use Print Manager for this port** is checked. Then click **OK**.
- 5 Choose **Default Spool Directory** from the Options menu.
- 6 In the dialog box, change the spool directory to the one you created in step 1. Then click **OK**.
- 7 Close Spool Manager.

Managing Print Jobs on a Macintosh

Your Macintosh printer software includes two print job management utilities: Monitor3 and Status Monitor. It also includes a Configuration utility for setting up print monitoring options.

- ▶ If you're using background printing, Monitor3 starts automatically when you send a job to the printer. It handles printing while you continue to work on your Macintosh, lets you track documents that are waiting to be printed, and lets you set priorities and print times for waiting print jobs. You can also cancel, pause, or restart a print job. See [Using Monitor3](#) for details.
- ▶ The Status Monitor lets you check how much ink you have left. See [Using the Macintosh Status Monitor](#) for details.
- ▶ The Configuration utility lets you select how you want to be notified of printer errors and where you want print job files stored. See [Selecting Configuration Options](#) for details.

You can also select background printing options before you print, as described in [Setting Up Background Printing Options](#).

Using Monitor3

The Monitor3 utility lets you continue to work on your Macintosh while your document is printing (however, background printing is slower and may also slow down your system). You can use the Monitor3 dialog box to check on your print jobs and cancel, pause, or restart them.

To use this utility, you need to turn on background printing and increase the memory allocation for Monitor3, as described in [Setting Up Monitor3](#).



You may need to perform different or additional steps to allocate memory, depending on your Macintosh OS version; see your Macintosh documentation for more information.

You can also turn on background printing while you're using your printer software; see [Setting Up Background Printing Options](#) for instructions.

Setting Up Monitor3

- 1 Open the Chooser from the Apple menu and select the **SC 900** icon. Then select the port you're using.
- 2 Under Background Printing, click **On** and close the Chooser.
- 3 To increase the memory allocation, select **EPSON Monitor3** in the Extensions folder in your System folder. Then choose **Get Info** from the File menu and set the **Memory Requirements** to 2000 or 3000K, depending on your system's available RAM.

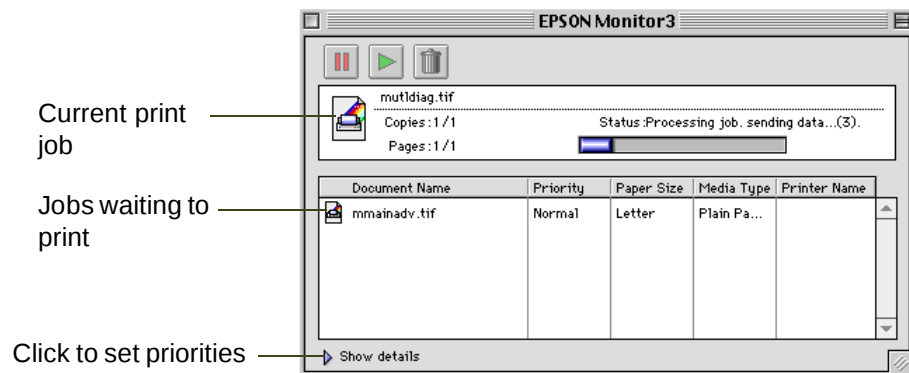


If the Monitor3 dialog box doesn't appear, click the current application icon at the right end of the menu bar and select EPSON Monitor3 from the drop-down menu.

When background printing is turned off, you can cancel your current print job by pressing the ⌘ and . (period) keys.

Monitoring Print Jobs with Monitor3

After you send a print job, you see the EPSON Monitor3 dialog box:



The progress bar tracks the progress of the current print job. To cancel, pause, or restart a print job (either the current one or any job waiting to print), click the document's name to highlight it. Then click one of the following buttons:

- ▶ click  to delete
- ▶ click  to restart
- ▶ click  to pause

If you want to change the printing priority of a print job or set a specific time for it to print, click the **Show details** arrow at the bottom of the window. The **Priority** list becomes active.

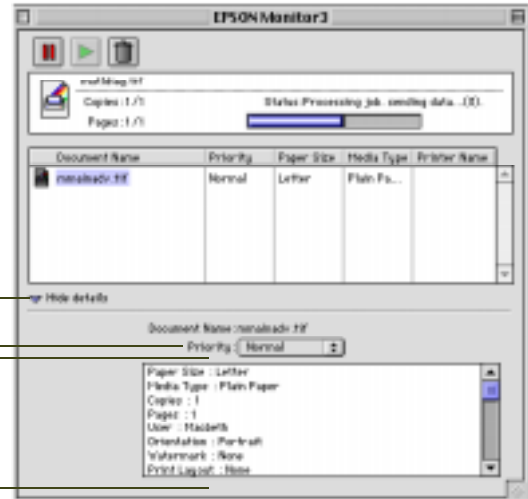


If you see a stop sign icon and the message Print queue on hold in the EPSON Monitor3 dialog box, select Start print queue from the Printer menu to release the queue and resume printing.

Show/Hide details arrow

Priority list box

Settings selected for the highlighted print job



Click the print job whose priority you want to change. Then click the **Printer** list box and select one of the following settings:

- ▶ **Normal** prints the job in the order it is received
- ▶ **Urgent** moves the job before Normal priority jobs in the print queue
- ▶ **Hold** holds the job in the print queue until you're ready to release it for printing by clicking  restart
- ▶ **Print Time** opens the Set Print Time dialog box. Enter the date and time you want to print the document, then click **OK**



Using the Macintosh Status Monitor

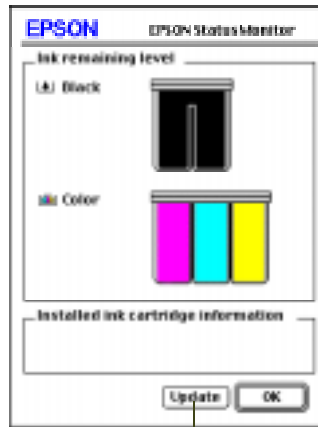
You can use the Status Monitor to check the level of ink in your printer. Follow these steps:

- 1 Choose **Page Setup** or **Print** from the File menu in your application. You see a printer settings dialog box.
- 2 Click the  Utility icon. You see the Utility menu:

For information about these utilities, see [Maintenance and Transportation](#)



- 3 Click the **EPSON StatusMonitor** icon. The software checks the amount of ink remaining in the printer and displays the Status Monitor window:



Click to recheck
the ink level

- 4 To recheck the ink level check, click the **Update** button. To close the Status Monitor, click **OK**.

Selecting Configuration Options

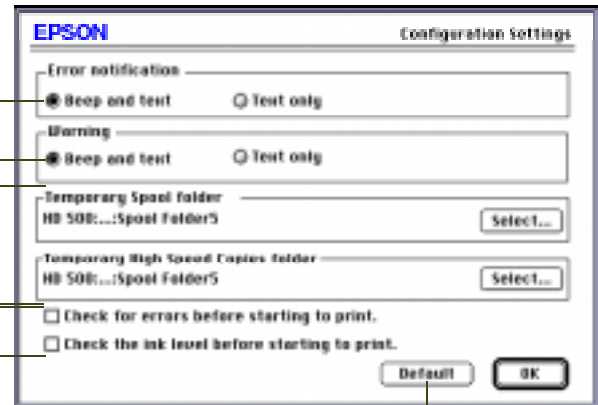
You can configure the way you want the printer to handle error and warning messages, ink level checks, and temporary spool folders in the Configuration Settings dialog box. Follow these steps:

- 1 Choose **Page Setup** or **Print** from the File menu in your application. You see a printer settings dialog box.
- 2 Click the  Utility icon. You see the Utility menu.
- 3 Click the **Configuration** button. You see the Configuration Settings dialog box:

Select how you want to be notified of errors and warnings

Select where you want print job files stored

Click here to check for errors and/or the ink level before printing



Click here to return to the default settings



Warning messages, such as low ink, allowing printing to continue; error messages are more serious and cause printing to stop.

- 4 Select from the following configuration options:
 - ▶ **Error notification** lets you select whether you want your system to beep and display error message text or just display text if your printer encounters an error.
 - ▶ **Warning** lets you choose whether warning messages beep and display text or display text only.
 - ▶ **Temporary Spool folder** and **Temporary High Speed Copies folder** let you select the folders on your hard disk that store the temporary print job and high speed multiple-copy print job files created when you send a job to the printer. Click the **Select** button to change the folder from the default folder shown.
 - ▶ Click the **Check for errors before starting to print** checkbox if you want your software to check for errors before starting your print job.
 - ▶ Click the **Check the ink level before starting to print** checkbox if you want your software to check for a low ink condition before starting your print job.
- 5 When you're finishing changing your configuration options, click **OK** to return to the Utility menu.



You can also turn background printing on or off in the Macintosh Chooser.

Setting Up Background Printing Options

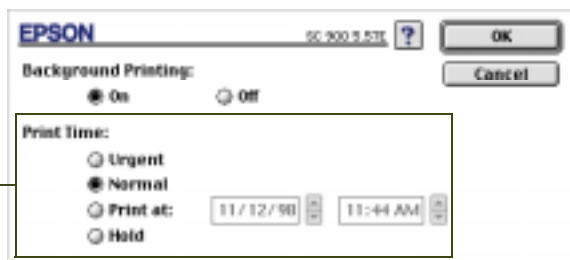
When background printing is on, your printer software lets you work in other applications while printing takes place in the background. Background printing also lets you set up the following printing options:

- ▶ Turn background printing on or off
- ▶ Set a priority for the print job in the print queue
- ▶ Set a specific time for printing the print job
- ▶ Hold the print job for later printing

Follow these steps:

- 1 Open an application and select a document you want to print.
- 2 Open the File menu and click **Print**. You see the printer settings dialog box.
- 3 Click the  Background Printing icon. You see the following dialog box:

Not available if background printing is turned off



- 4 To turn background printing on or off, click the **On** or **Off** button.

- 5 To select a priority for your print job in the queue of jobs waiting to print, click one of the following:
 - ▶ **Urgent** to print before any Normal priority job
 - ▶ **Normal** to print in the order the job is received
 - ▶ **Print at:** to print at the specific time you enter in the day and time in the fields to the right
 - ▶ **Hold** to hold the print job in the print queue until you're ready to release it using EPSON Monitor 3; see [Using Monitor3](#) for details.
- 6 Click **OK** to save your settings and return to the printer settings dialog box. (Click **Cancel** if you want to cancel your settings and return.)
- 7 Click **Print** to print your document.

If you selected Print at: or Hold, your document is spooled, but held in the print queue until the print time specified or until released using EPSON Monitor 3.

Network Printing

Before you can use your printer on a network, you must configure your computer as described in the following sections.

For Windows 95 and 98 Users



This section describes how to use your printer as a shared printer on a network. To connect your printer directly to a network without setting it up as a shared printer, consult your network administrator.

If your computer is on a Windows 95 or Windows 98 network and you want other users to share the printer connected to it, you need to:

- ▶ set up the system connected to the printer (host system) so the printer can be shared
- ▶ define a path to the printer on each client computer

Before following the steps here, make sure you've installed the printer software on all the computers that will use the printer. See the *Start Here* card for instructions.

Setting Up the Host System

Follow these steps to share a printer connected directly to your computer with other computers on a network:

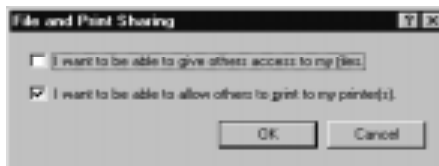
- 1 Click **Start**, point to **Settings**, then click **Control Panel**.
- 2 Double-click **Network**.
- 3 Click the **File and Print Sharing** button.



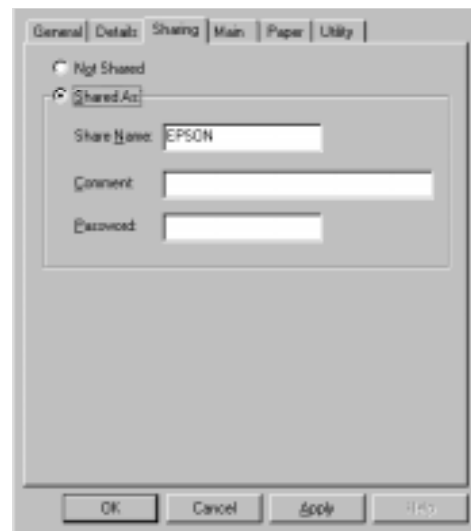
If a dialog box requesting the Windows 95 or 98 CD-ROM appears, insert the CD-ROM in the CD-ROM drive, then follow the messages on the screen.

If a dialog box appears requesting you to restart your computer, do so. Then continue with step 6.

- 4 Select the **I want to be able to allow others to print to my printer(s)** check box and click **OK**.



- 5 In the Network window, click **OK**.
- 6 In the Control Panel, double-click **Printers**.
- 7 Right click the EPSON Stylus COLOR 900 icon, then click **Sharing** on the File menu.
- 8 Click **Shared As**, enter printer information as needed, then click **OK**.





To print from DOS applications as well as Windows applications, click the Capture Printer Port button instead of Add Port. Select the printer port in the Device list, then specify its network path. Select Reconnect at logon, then click OK.

Setting Up Client Systems

- 1 Right-click the **EPSON Stylus COLOR 900** icon and choose **Properties**.
- 2 Click the **Details** tab.
- 3 Click the **Add Port** button, then click **Browse** to specify the network path to the printer.
- 4 When you return to the Details tab, click **OK**.



This section is written for users printing over a small network only. If you are on a large network and would like to share your printer, consult your network administrator.

For Windows NT 4.0 Users

This section tells you how to set up your printer so that other computers on the network can use it.

First, you need to set up the printer as a shared printer on the computer to which the printer is connected. Then, you must signify the network path to the printer from each computer to use the printer, and install the printer software on those computers.

Setting Up Your Printer as a Shared Printer

Follow these steps to share a printer that is connected directly to your computer with others on a network:

- 1 Click **Start**, point to **Settings**, and click **Printers**.
- 2 Select your printer, then click **Sharing** on the File menu.

3 Click **Shared** and enter the Share Name.

Do not choose
any drivers from
the Alternate
Drivers list.



4 Click **OK**.

Note

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

Accessing the Printer Through a Network

To access your printer from another computer on the network, follow these steps:

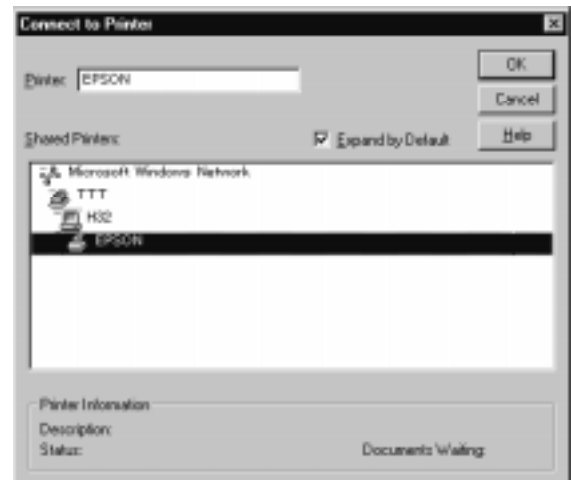
- 1 On each computer from which you want to access the printer, click **Start**, point to **Settings**, and click **Printers**.
- 2 Double-click the **Add Printer** icon.

- 3 Click **Network printer server**, then click **Next**.



- 4 Double-click the icon of the computer that is directly connected to the printer. Then click the printer's icon.

- 5 Click **OK** and follow the on-screen instructions.



Be sure to confirm all network settings with the network administrator.



This section is written for AppleTalk network users only.

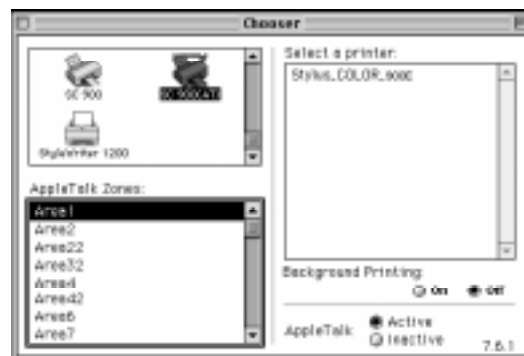
For Macintosh Users

This section tells you how to set up the printer so that you can use it on an AppleTalk® network.

First, you need to install the printer software on those computers, following the instructions on the *Start Here* card. Then, you must select the printer in the Chooser.

Selecting the Printer in the Chooser

- 1 Turn on your printer.
- 2 Open the **Chooser** from the Apple menu and click your printer's icon.
- 3 If you are using AppleTalk zones, select the zone you want to use. A list of all the printers connected to the selected zone appears on the right. Click the name assigned to the EPSON Stylus COLOR 900.
- 4 Click the Background Printing buttons to turn background printing on or off.
- 5 Close the Chooser.



Optional Interfaces

Your EPSON Stylus COLOR 900 includes parallel, serial, and USB interfaces. You can connect it to a PC or Macintosh, or both at the same time. If you want to connect to another system or to a network, you can install one of the following EPSON interface boards in your printer:

Type of interface board	Model number	Compatibility
32KB serial	C823071	PC
32KB parallel	C80310*	
Type B bi-d parallel	C82345*	
Twinax	C823151	PC
Coax	C823141	PC
LocalTalk®	C823121	Macintosh
Type B Ethernet™	C823622	Macintosh/PC
Type B Ethernet	C823632	Macintosh/PC
Type B Ethernet	C823642	Macintosh/PC

To order an interface board, contact your dealer or call EPSON Accessories at (800) 873-7766 (U.S. sales only). Or visit our website at www.epsonsupplies.com (U.S. sales only). In Canada, call (800) 873-7766 for dealer referral.

This chapter tells you how to install and use EPSON interface boards in the following sections:

- ▶ [Using PC Interface Boards](#)
- ▶ [Using Macintosh Interface Boards](#)
- ▶ [Installing Optional Interfaces](#)

Using PC Interface Boards

Before you install the serial interface board in your printer, follow the instructions that come with the board for setting baud rate and parity. You may also need to set the board's handshake timing, error handling, and other data transfer conventions. Refer to your computer documentation for information about matching the board's settings to your computer system.

If you install the Ethernet board connected to a thin coaxial (10BASE2) cable, and the printer is the last device on the network, you need to obtain a 50-ohm terminator. The Ethernet transceiver is included on the EPSON Ethernet board, so you do not need an adapter box for the printer.

Using Macintosh Interface Boards

If you are planning to install the LocalTalk board, you also need two LocalTalk Locking Connector Kits (DIN-8 version). Attach one connector box to the AppleTalk interface on the printer and the other to the printer

port on the Macintosh. Then attach the LocalTalk cable between the two connector boxes. For more information, see the instructions that came with the connector kits.

If you install the Ethernet board connected to a thin coaxial (10BASE2) cable, and the printer is the last device on the network, you need to obtain a 50-ohm terminator. The Ethernet transceiver is included on the EPSON Ethernet board, so you do not need an adapter box for the printer.

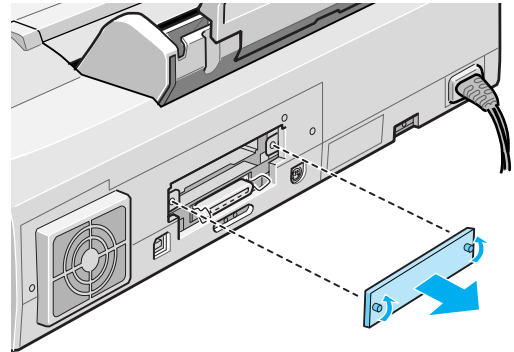


To avoid damaging your printer or computer, do not install the interface board when the printer is connected to an electrical outlet.

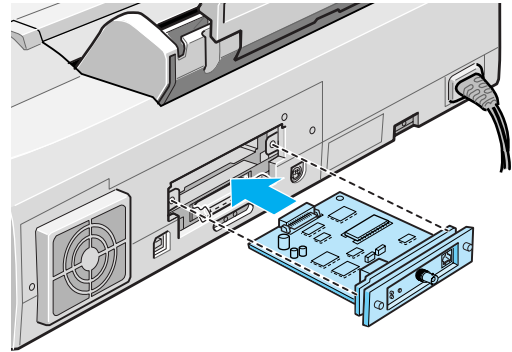
Installing Optional Interfaces

Before you install an optional interface board in your printer, make sure the printer is turned off and all the printer's lights are off. Then follow these steps:

- 1 Unplug the power cord from the electrical outlet.
- 2 Disconnect any interface cables from the printer.
- 3 Use a Phillips (cross-head) screwdriver to remove the two screws securing the interface cover; then lift off the cover. Be sure to keep both screws; you'll need to use them again if you reinstall the cover.



- 4 Set any switches and jumpers on the board as described in the interface board's manual. If your board has a jumper labeled JG, make sure that you set it to **ON**, or the board will not work properly.
- 5 Slide the interface board along the slots on both sides of the compartment. Push it in firmly to fully insert the board's connector into the printer's internal socket.
- 6 Secure the interface board in the slot with the two screws included with the board.
- 7 Connect the proper interface cable to the interface board and to your computer. If the cable has a grounding wire, connect it to one of the screws securing the parallel interface.



If you are using more than one computer, reconnect the other interface cable as well.

- 8 Make sure the printer is turned off. Then plug in the power cord.

In most cases, the printer automatically detects the interface you're using. However, if you have trouble printing through an installed interface board, you may need to change the printer's I/F (interface) mode setting. See "Using Your Printer with DOS" in your *Printer Basics* book.

To remove the interface board, follow steps 1 and 2 in this section. Remove the screws securing the board and carefully pull it out of the internal printer socket. Then replace the interface cover and screws you removed in step 3.

Maintenance and Transportation

It's easy to keep your EPSON Stylus COLOR 900 printer working at its best. Just follow the simple instructions in this chapter for:

- ▶ [Cleaning the Print Head](#)
- ▶ [Replacing an Ink Cartridge](#)
- ▶ [Aligning the Print Head](#)
- ▶ [Cleaning the Printer](#)
- ▶ [Transporting the Printer](#)



If you don't turn on your printer for a long time, the printer quality may decline. It's a good idea to turn on your printer at least once a month to maintain good print quality.



Don't use any cleaning sheets; they may jam inside the printer.

Cleaning the Print Head

If your printed image is unexpectedly light or faint, or dots are missing from the image, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly.

Cleaning the print head uses ink, so clean it only if print quality declines. You can clean the print head in either of the following ways:

- ▶ [Using the Head Cleaning Utility](#) in your printer software (when connected to a local port, not over a network)
- ▶ [Using the Control Panel](#) buttons on your printer

Always wait until your document has finished printing before cleaning the print head.

Using the Head Cleaning Utility

Follow these steps to run the Head Cleaning utility:

- 1 Make sure the printer is turned on but not printing, and both the  black and  color ink out lights are off.
- 2 Start an application and open a document.
- 3 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 4 Click the **Utility** tab (Windows) or the  Utility icon (Macintosh).
- 5 On the Utility menu, click the **Head Cleaning** icon.



Never turn off the printer while the power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

- 6 Follow the instructions on the screen to clean the print head. Cleaning takes a couple minutes, during which the printer makes some noise and the power light flashes.

When the power light stops flashing, run a nozzle check to test the results and reset the cleaning cycle.

- 7 Make sure paper is loaded in the printer and click **Print nozzle check pattern** (Windows) or **Confirmation** (Macintosh). Then click **Next**. The nozzle check pattern prints on your printer; see [Examining the Nozzle Check Pattern](#) for details.

- 8 If the nozzle check pattern is complete, click **Finish**.

If the pattern is missing dots, click **Clean** to run another cleaning cycle. If you don't see any improvement after cleaning two or three times, check the print quality solutions in [Improving Print Quality](#).

Using the Control Panel

Follow these steps to clean the print head:

- 1 Make sure the printer is turned on and not printing, and that both the black and color ink out lights are off.
- 2 Press the cleaning button and hold it down for three seconds. Cleaning takes a couple minutes, during which the printer makes some noise and the power light flashes.

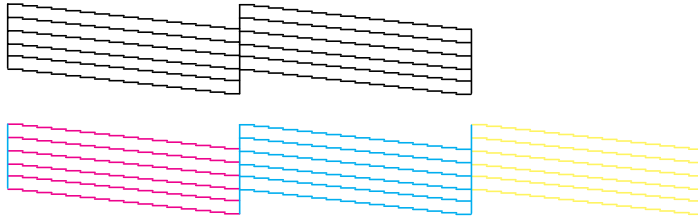


Never turn off the printer while the power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

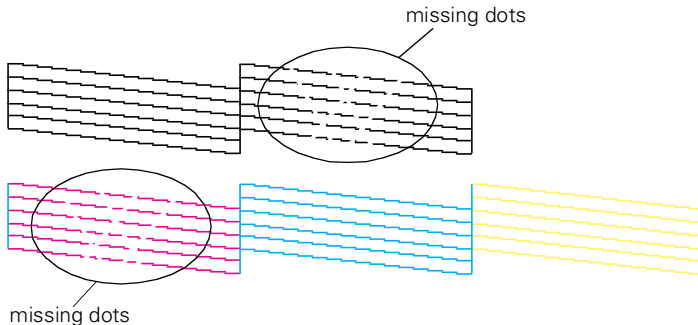
- 3 After the power light stops flashing, print a page to test the print quality and reset the cleaning cycle.
If you're connected directly to the printer, run a nozzle check. Go to step 4.
If you're using DOS or printing over a network, open an application and print a document containing black and color data. Then go to step 8.
- 4 Start an application, open a document, and access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 5 Click the **Utility** tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
- 6 Make sure paper is loaded in the printer and click the **Nozzle Check** icon, then click **Next**. The nozzle check pattern prints on your printer; see [Examining the Nozzle Check Pattern](#) for details.
- 7 If the nozzle check pattern is filled in completely, click **Finish**.
If the pattern is missing dots, click **Clean** to run another cleaning cycle.
- 8 If you don't see any improvement after cleaning two or three times, check the print quality solutions in [Troubleshooting](#).

Examining the Nozzle Check Pattern

Examine the nozzle check pattern you print. It should look something like this, with the lower pattern colored magenta, cyan, and yellow:



Each staggered horizontal and straight vertical line should be complete, with no gaps in the dot pattern. If your printout looks okay, you're done. If any dots are missing, as shown below, clean the print head again; see [Cleaning the Print Head](#) for instructions.



Replacing an Ink Cartridge



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

When the  black or  color ink out light flashes, the indicated cartridge is low on ink. This is a good time to make sure you have a new cartridge. When the light stays on, the cartridge is empty and you need to replace it.

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

Black ink cartridge T003011

Color ink cartridge T005011

When you need new ink cartridges, contact your dealer or call EPSON Accessories at (800) 873-7766 (U.S. sales only). Or visit our website at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

If you need to replace an ink cartridge *before* the lights flash (because the ink is too old, for example), follow the instructions in [Replacing an Outdated Ink Cartridge](#).

Removing and Installing Ink Cartridges

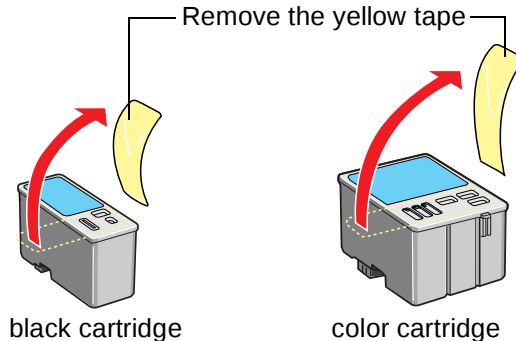
You can replace a cartridge when the  black or  color ink out light is either flashing or on. (If you perform these steps when *both* ink out lights are *off*, the printer cleans the print heads, as described in [Cleaning the Print Head](#).)

Follow these steps to replace ink cartridges:

- 1 Remove the new ink cartridge from its packaging.
- 2 Remove *only* the yellow part of the tape seal on top as shown below. Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.



You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Do not remove the clear seal from the bottom of the cartridge; ink will leak.



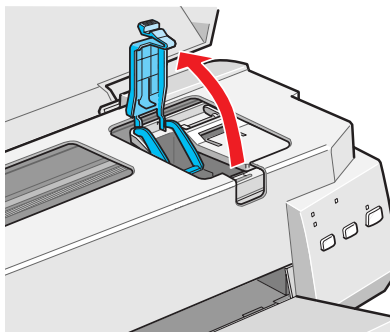
- 3 Make sure the printer is turned on and not printing, then open the printer cover.



Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.

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

- 4 Press the  cleaning button and hold it for about three seconds until the print head moves left and the  power light begins flashing. The print head moves to the black or color cartridge replacement position, depending on which ink cartridge is empty.
- 5 Pull up the ink cartridge clamp. The cartridge rises up from its holder.



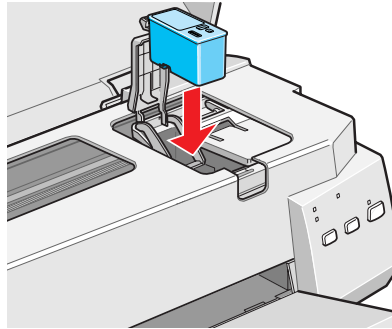


If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.



Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

- 6 Lift the cartridge out of the printer and dispose of it carefully.
- 7 Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer. Then press down the ink cartridge clamp until it locks in place.



- 8 If you need to replace the other ink cartridge, repeat steps 4 through 7 before going on to step 9.
- 9 Press the  cleaning button and close the printer cover.

The printer moves the print head and begins charging the ink delivery system. The  power light flashes, and the printer makes various sounds.

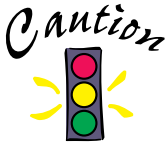
Charging takes about one minute. When it's finished, the  power light stops flashing and stays on.

Replacing an Outdated Ink Cartridge

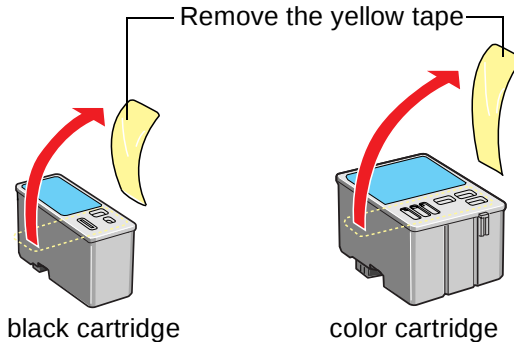
If an ink cartridge is more than six months old, you may need to replace it. How can you tell? You may notice that your printouts don't look as good as they used to. If print quality doesn't improve after cleaning and aligning the print head, you can replace one or both cartridges.

Follow these steps to replace an ink cartridge *before* the  black or  color ink out light is flashing or on:

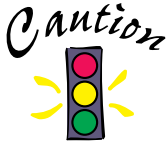
- 1 Remove the new ink cartridge from its packaging.
- 2 Remove *only* the yellow part of the tape seal on top as shown below. Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.



You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Do not remove the clear seal from the bottom of the cartridge; ink will leak.



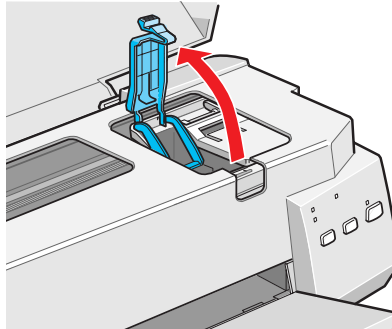
- 3 Make sure the printer is turned on and not printing, then open the printer cover.



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

Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.

- 4 Press the  load/eject button and hold it down for three seconds until the print head moves left to the black ink cartridge replacement position and the  power light begins flashing.
- 5 If you need to replace only the color ink cartridge, press the  load/eject button again until the print head moves to the color ink cartridge replacement position.
- 6 Pull up the ink cartridge clamp. The cartridge rises up from its holder.



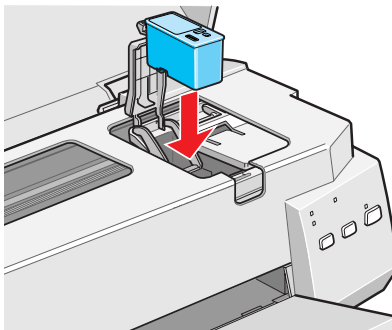


If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.



Never turn off the printer while the ⏻ power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

- 7 Lift the cartridge out of the printer and dispose of it carefully.
- 8 Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer.



- 9 Press down the ink cartridge clamp until it locks in place.
- 10 Press the  load/eject button. The print head moves to the color ink cartridge replacement position. If you need to replace the color ink cartridge, repeat steps 6 through 9. Then continue with step 11.
- 11 Press the  load/eject button again and close the printer cover.

The printer moves the print head and begins charging the ink delivery system. The ⏻ power light flashes and the printer makes various sounds.

Charging takes about one minute. When it's finished, the ⏻ power light stops flashing and stays on.



Load paper that's at least 8.27 inches (210 mm) wide. This prevents ink from spraying inside the printer and smudging your printouts.

For the best results, load EPSON ink jet paper in the printer whenever you check the print head alignment.

Aligning the Print Head

If your printouts contain misaligned vertical lines, you may need to align the print head.

If you are using Windows or Macintosh, you can use the Print Head Alignment utility in your printer software. Your printer must be connected to a local port, not on a network, to use this utility.

If you are using DOS, see [Using the DOS Print Head Alignment Utility](#) or [Using the Control Panel Buttons](#).

Using the Print Head Alignment Utility

Follow these steps:

- 1 Make sure the printer is turned on and letter-size paper is loaded.
- 2 Start an application and open a document.
- 3 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 4 Click the **Utility** tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
- 5 Click the **Print Head Alignment** icon.
- 6 Follow the instructions on the screen to print a test page and select the correct alignment.

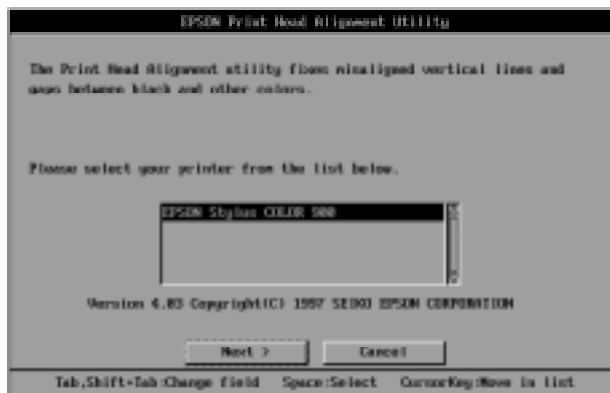


You must install this utility in DOS; you cannot install this utility from within Windows.

Using the DOS Print Head Alignment Utility

Follow these steps:

- 1 Insert the printer software CD-ROM into your CD-ROM drive.
- 2 Type **D:\SETUP** at the DOS prompt. (If your CD-ROM drive has a different drive letter, or if you are using the diskette version, substitute the appropriate letter for **D**.) Then press **Enter**, and follow the directions on the screen to install the print head alignment utility.
- 3 After installing the utility, type **C:\EPCALIB2** (where **C** is your hard disk drive letter). Then press **Enter**. The following window appears:



- 4 Make sure EPSON Stylus COLOR 900 is selected. Click **Next**, then follow the directions on the screen to align the print head.

Using the Control Panel Buttons

If you cannot use the print head alignment utility program that came with your printer, follow these steps to align the print head:

- 1 Make sure that letter-size paper is loaded in the sheet feeder.
- 2 While holding down the  cleaning button, press the  power button to turn on the printer. Then release both buttons.
- 3 The  paper out light flashes for about three seconds. While it is flashing, press the  load/eject button.

The printer prints a sheet of instructions in English, French, German, Italian, Spanish, and Portuguese explaining how to align the print heads. Follow these instructions.

- 4 After aligning the print head, turn off the printer to exit print head alignment mode.



If you don't press the  load/eject button in step 3, the printer enters default-setting mode. If this happens, turn off the printer and return to step 2.



Don't touch the gears inside the printer.

Never use alcohol or thinner for cleaning; they can damage the printer components and case.

Don't use a hard or abrasive brush.

Don't get water on the printer components.

Don't spray lubricants or oils inside the printer.

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

Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year, following these steps:

- 1** Turn off the printer, unplug the power cord, and disconnect the printer cable.
- 2** Remove all the paper from the sheet feeder.
- 3** Clean the exterior of the printer with a soft, damp cloth.
- 4** Clean ink out of the printer's interior with a soft, damp cloth.

Transporting the Printer

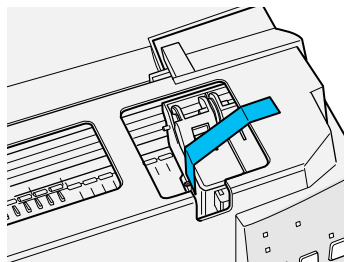
If you move your printer some distance, you need to prepare it for transportation in its original box. Follow these steps:



To avoid damage, always leave the ink cartridges installed when transporting the printer.

Be sure to remove the tape used in step 4 after installing the printer in its new location.

- 1 Turn on the printer and wait until the print head locks in the far right position. Then turn off the printer.
- 2 Unplug the power cord from the electrical outlet. Then disconnect the interface cable from the printer.
- 3 Remove any paper from the printer and remove the paper support.
- 4 Open the printer cover again. Secure the ink cartridge holder to the printer with tape as shown below, then close the printer cover.



- 5 Push in the output tray extensions and close the tray.
- 6 Repack the printer and attachments in the original box using the protective materials that came with it. See the unpacking sheet that was packed with your printer.

Be sure to keep the printer level as you transport it. If you notice a decline in print quality after transporting the printer, clean the print head (see [Cleaning the Print Head](#)); if output is misaligned, align the print head (see [Aligning the Print Head](#)).

Troubleshooting

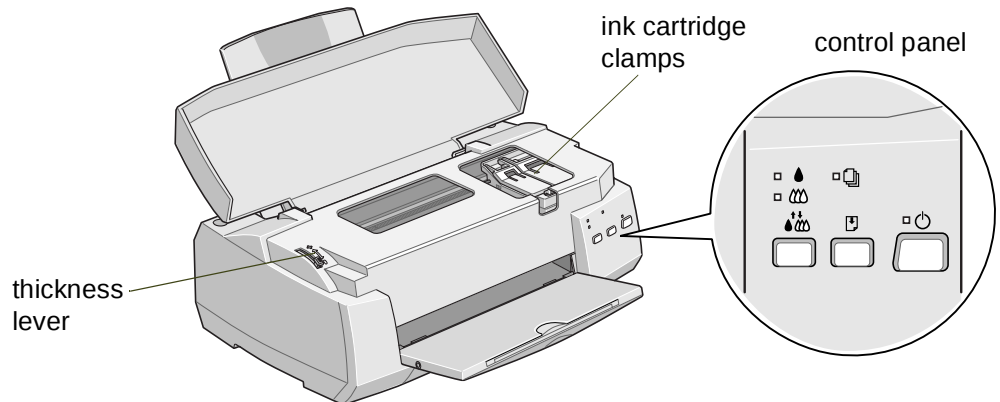
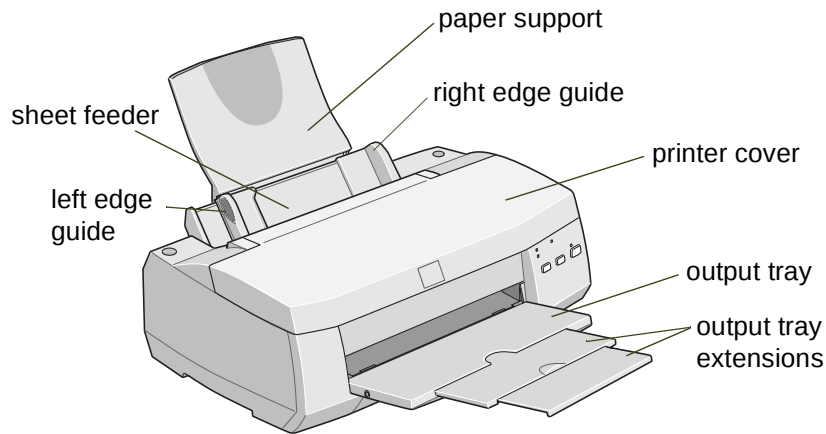
As you use your printer, you may occasionally experience a paper jam or other problem. The first thing you should do is diagnose the problem, following the guidelines in this chapter. Then try the most likely solutions until the problem is fixed.

This chapter includes the following:

- Identifying Printer Parts
- Diagnosing Problems
- Improving Print Quality
- Solving Printing Problems
- Solving Printer Software Problems
- Fixing Paper Problems
- Solving Miscellaneous Printout Problems
- Uninstalling Printer Software
- Where To Get Help

Identifying Printer Parts

If you need help identifying the parts of the printer, refer to the following illustrations:

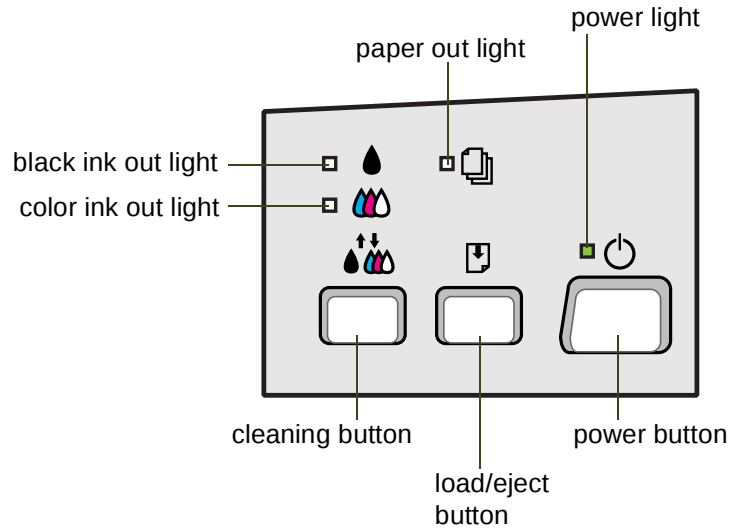


Diagnosing Problems

There are a number of ways to diagnose printer problems:

- ▶ To identify the most common problems, check the printer's lights; see [Checking the Control Panel Lights](#) for details.
- ▶ To determine whether the problem is caused by the printer or some other source, run a printer check. See [Running a Printer Check](#) for instructions.
- ▶ If you see an error message about your printer settings or have problems with color quality, you may need to confirm your Printer ID number. See [Confirming the Printer ID Number](#) for details.
- ▶ If any of the suggested solutions in this chapter tell you to uninstall and then reinstall your printer software, see [Uninstalling Printer Software](#) for instructions.
- ▶ For more troubleshooting information, check the Help and ReadMe files in the EPSON program group or folder.
- ▶ If none of the suggested solutions in this chapter solve your problem, contact your EPSON dealer or see [Where To Get Help](#).

Checking the Control Panel Lights



The four lights on your printer's control panel show the printer's status and alert you to problems like paper jams.



The power light is *on* when the printer is on and ready to print. The power light *flashes* when the printer is receiving print data, printing or performing a maintenance operation such as cleaning the print head.



When an ink out light *flashes*, your ink supply is low. Make sure you have a replacement cartridge.

When an ink out light *comes on*, you need to replace the ink cartridge. See [Replacing an Ink Cartridge](#) for instructions.



When the paper out light *comes on*, your paper is out or incorrectly loaded. Load paper against the right edge guide and slide the left edge guide over to the paper's left edge. Then press the  load/eject button to resume printing.

When the paper out light *flashes*, you have a paper jam. Turn off the printer and remove all the paper (including any pieces torn off inside). Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Reload the paper against the right edge guide and slide the left edge guide over to the paper's left edge. Then turn the printer back on.



When the  power and  paper out lights *flash* and the  black and  color ink out lights *come on*, jammed paper may be blocking movement of the print head. Turn off the printer (press the  power button); remove the jammed paper, wait 15 seconds; then turn the printer on again. If this does not clear the error, contact your dealer or EPSON as described in [Where To Get Help](#).

When all the lights flash, your printer may have an internal error. Turn off the printer (press the  power button); wait 15 seconds; then turn it on again. If this does not clear the error, contact your dealer or EPSON as described in [Where To Get Help](#).

When all the lights are *off*, the printer is not receiving power. Try these solutions:

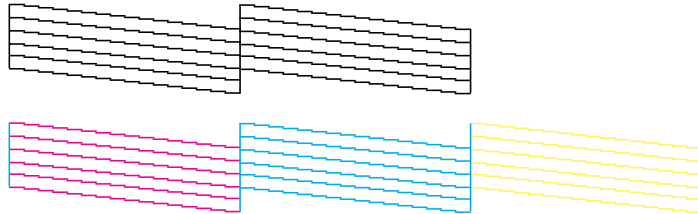
- ▶ Make sure the printer is turned on.
- ▶ Turn off the printer, plug in the power cord securely, and turn on the printer.
- ▶ Make sure the outlet is not controlled by a switch or timer and is operable.

Running a Printer Check

You can run a printer check to determine whether the problem comes from the printer itself or some other source. Follow these steps:

- 1 Make sure both the printer and computer are turned off.
- 2 Disconnect the interface cable from the printer.
- 3 Make sure paper is loaded in the printer.
- 4 Hold down the  load/eject button, then press and release the  power button. Continue holding down the  load/eject button until the  power light starts to flash, then release it.

The printer prints one page containing the printer's ROM version, ink counter code, and a nozzle check pattern. Only the nozzle check pattern is shown below:



- 5 To end the check, turn off the printer. Then reconnect the interface cable and turn on your printer and computer.
 - ▶ If the results are satisfactory, the problem lies in your software or application settings, the interface cable, or your computer.
 - ▶ If the check page does not print correctly, you may have a problem with your printer. First, try [Cleaning the Print Head](#). Then see the suggestions in this chapter for possible solutions.

Confirming the Printer ID Number

If you're using Windows 95, Windows 98, or Windows NT, you can use the Printer and Option Information utility to confirm the Printer ID. Color quality may improve after you confirm the ID number.

If you're using Status Monitor 2, this information is updated automatically. However, if a message appears prompting you to enter settings or if you change the printer's configuration, you'll need to update the Printer ID manually. Follow these steps:

- 1 Make sure letter-size paper is loaded in your printer.
- 2 Access the main printer settings dialog box as described in [Printing from Windows](#).
- 3 Click the **Utility** tab. Then click the **Printer and Option Information** icon.
- 4 Click the **Settings Sheet** button. The printer prints the Printer ID on a sheet of paper.

- 5 Make sure the Printer ID shown in the Printer and Option Information dialog box matches the ID on the Settings Sheet. If they don't match, change the ID numbers in the dialog box to match those on the Settings Sheet.
- 6 Click **OK** to exit and save your settings.

Improving Print Quality

You can often improve print quality by doing one of the following:

- ▶ Clean the print head following the instructions in [Cleaning the Print Head](#).
- ▶ Use higher quality paper appropriate for your print job. See [Selecting Special Media](#) for a list of EPSON papers.
- ▶ Match the Media Type setting in the printer software to the type of media you loaded in the printer. Then the printer software can automatically select other settings for the best quality. See [Printing from Windows Applications](#), [Printing from a Macintosh](#), or [Printing on Special Media](#) for details.
- ▶ Turn off High Speed mode in the printer software, as described in [Customizing Print Quality and Special Effects](#).
- ▶ Make sure you're not using Economy mode. See [Customizing Print Quality and Special Effects](#) for details.
- ▶ Check the status of the  black or  color ink out lights, then replace the ink cartridges, if necessary, as described in [Replacing an Ink Cartridge](#).

- ▶ If you have vertical misalignment, run the Print Head Alignment utility (see [Aligning the Print Head](#) for instructions) or turn off High Speed mode.

See the following tables for some detailed solutions to print quality problems:

The printed image has horizontal banding

Possible cause	Solution
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows Applications or Printing from a Macintosh for instructions.
The printable side of the paper is face down.	Remove the paper and reload it with the printable side (whiter) face up. See Media Loading and Handling Guidelines for instructions.
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The ink cartridges are low on ink.	Check the  black and  color ink out lights to see which cartridge you may need to replace. See Replacing an Ink Cartridge for instructions.
The Maximum Printable Area setting is turned on.	Select Standard as the Printable Area setting to avoid banding in the expanded margin area. See Selecting Paper Size and Orientation Options for more information.
The paper thickness lever is in the + position.	Set the paper thickness lever to the 0 position and try printing again. See Media Loading and Handling Guidelines for details.

Vertical lines are misaligned or vertical banding appears

Possible cause	Solution
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The printable side of the paper is face down.	Remove the paper and reload it with the printable side (whiter) face up. See Media Loading and Handling Guidelines for instructions.
The paper thickness lever is in the + position.	Set the paper thickness lever to the 0 position and try printing again. See Media Loading and Handling Guidelines for details.
The High Speed setting is turned on.	Turn off the High Speed setting if vertical lines are misaligned. See Customizing Print Quality and Special Effects for information.
The print head is misaligned.	Run the Print Head Alignment utility. See Cleaning the Print Head for instructions.

The printed image has incorrect or missing colors

Possible cause	Solution
The Ink option is set to Black.	Change the Ink setting to Color . See Printing from Windows Applications or Printing from a Macintosh for instructions.
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows Applications or Printing from a Macintosh for instructions.
The printable side of the paper is face down.	Remove the paper and reload it with the printable side (whiter) face up. See Media Loading and Handling Guidelines for instructions.

Possible cause	Solution
The Halftoning and Color Adjustment Mode options are set incorrectly for your document type.	Use the correct settings for the project you're printing, following the instructions in Customizing Print Quality and Special Effects and Customizing Color Settings .
The ICM (Windows 95 and Windows 98), sRGB (Windows 98), or Color Sync (Macintosh) settings are incorrect for your document.	Use the Automatic mode setting or different project type. See Customizing Color Settings or Using ColorSync on the Macintosh for more information.
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The ink cartridges are low on ink or one or more ink colors are empty.	Check the  black and  color ink out lights to see which cartridge you may need to replace. See Replacing an Ink Cartridge for instructions.

Possible cause	Solution
The colors displayed on your monitor don't match the printed colors.	Because your monitor and printer use different technologies to represent colors, your printed colors cannot exactly match the colors you see on your monitor screen. Use the ICM (Windows 95 and Windows 98 only), sRGB (Windows 98), or ColorSync (Macintosh) setting to get as close a match as possible. See Using Custom Project Types for more information.
The color settings in your application software are incorrect.	You may be able to adjust various color settings in your application software. See your software documentation for more information.

The printed image is faint or has gaps

Possible cause	Solution
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows Applications or Printing from a Macintosh for instructions.
The loaded paper is damaged, old, or dirty.	Remove the paper and reload a new stack with the printable side face up. See Media Loading and Handling Guidelines for instructions.
The ink cartridges are low on ink.	Check the  black and  color ink out lights to see which cartridge you may need to replace. See Replacing an Ink Cartridge for instructions.

Color documents print in black and white

Possible cause	Solution
Your printer is not selected in your application.	Select your printer and port in your software application.
Color printing is not selected.	Select color printing in your application and the printer software.

The printed image is blurry or smeared

Possible cause	Solution
The loaded paper is damaged, old, or dirty.	Remove the paper and reload a new stack with the printable side face up. See Media Loading and Handling Guidelines for instructions.
The printer's thickness lever is in the wrong position.	Set the thickness lever to the 0 position for most papers. Set it to the + position for thicker paper and envelopes. See Media Loading and Handling Guidelines
The paper is damp or the printable side is face down.	Remove the paper and reload a new stack with the printable side face up. See Media Loading and Handling Guidelines for instructions.
You loaded special media without a support sheet.	Follow the special media loading instructions in Media Loading and Handling Guidelines and on the paper packaging for media that require support sheets. Also try loading your media one sheet at a time.
You tried to print on cardboard or other non-recommended media.	Make sure your paper or media meets the specifications listed in Paper . If your printouts are still blurry after you change paper, clean the print heads as described in Cleaning the Print Head .

Possible cause	Solution
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows Applications and Printing from a Macintosh for instructions.
Ink has leaked inside the printer.	Clean carefully inside the printer to remove spilled ink. See Cleaning the Printer for instructions.
You're using the High Speed setting with a misaligned print head.	Turn off High Speed (see Customizing Print Quality and Special Effects). Then run the Print Head Alignment utility as described in Aligning the Print Head .
The resolution of your image may be too low.	If a photographic image looks grainy or rough, try using the PhotoEnhance3 (PhotoEnhance on Windows 3.1) and Sharpness settings to improve the printed quality. See Customizing Color Settings for details. You can also increase the image resolution using your image-editing software, or decrease the size of the image.

Solving Printing Problems

If the printer won't print, first check that:

- ▶ The printer is turned on and the ⏻ power light is on, but not flashing.
- ▶ Paper is loaded in the printer.
- ▶ The printer is plugged into a working electrical outlet that's not controlled by a switch or timer.
- ▶ The cable meets the specifications listed in [Windows System Requirements](#) or [Macintosh System Requirements](#).
- ▶ The interface cable is securely connected to the printer and computer and both are turned on.

If you still can't print, check the following solutions:

All lights are off

Possible cause	Solution
The printer is not receiving power.	Try these solutions: ▶ Make sure the printer is turned on. ▶ Turn off the power and plug in the power cord securely. ▶ Make sure the outlet is not controlled by a switch or timer and is operable. ▶ Try using another power outlet.

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

Possible cause	Solution
The print head nozzles are clogged or the ink cartridges are too old.	Clean the print head nozzles; see Cleaning the Print Head for instructions. If cleaning doesn't help, replace the cartridges. For instructions, see Replacing an Ink Cartridge .

The paper out light is flashing or on

Possible cause	Solution
If flashing, paper is jammed.	See Paper jams inside the printer .
If on, there is no paper in the sheet feeder or the paper is loaded incorrectly.	Load paper or remove the stack and reload it as described in the <i>Printer Basics</i> book or Media Loading and Handling Guidelines . Then press the  load/eject button to turn off the  paper out light and resume printing.

A black or color ink out light is flashing or on

Possible cause	Solution
If flashing, the ink supply is getting low.	You need to replace the indicated ink cartridge soon. Make sure you have a new cartridge, then see Replacing an Ink Cartridge for instructions.
If on, the ink cartridge is empty.	You must replace the indicated ink cartridge; see Replacing an Ink Cartridge for instructions.

Only the power light is on, but nothing prints

Possible cause	Solution
The interface cable is disconnected.	Turn off your printer and computer. Then connect the cable securely. Make sure the cable meets the printer's specifications, as described in Windows System Requirements or Macintosh System Requirements .
The printer has an internal problem.	Turn off the printer and computer, disconnect the interface cable, and run a printer check as described in Running a Printer Check .
The printer software or application software is installed incorrectly.	If you ran a printer check successfully, make sure your printer and application software are installed correctly. If you're printing on a network, you may need to set up your printer for network printing, as described in Network Printing .
Your computer doesn't have enough memory to handle the file you're printing.	Try the following: ■ Close all other applications, including screen savers and virus protections programs. ■ Reduce the resolution of your image. ■ Select fewer colors or a lower resolution for your monitor. ■ Add more memory to your computer.
Printing is stalled.	In Windows, delete the stalled print jobs in Spool Manager: ■ For Windows 95 and Windows 98, see Deleting a Print Job. ■ For Windows 3.1, see Deleting a Print Job. ■ For Windows NT 4.0, you need to uninstall the EPSON Printer Port. Select Start, Programs, EPSON, then click EPSON Printer Port Uninstall and follow the on-screen instructions. On a Macintosh, delete stalled print jobs using Monitor3 (see Using Monitor3) or open the Extensions folder, EPSON folder, and Spool folder, and then delete any queued files.

The  power and  paper out lights are flashing and the  black and  color ink out lights are on

Possible cause	Solution
Jammed paper may be blocking movement of the print head.	Turn off the printer, wait a few seconds, and turn it back on to eject any paper. If no paper is ejected, turn off the printer, remove the jammed paper, and turn it on again. If the lights are still flashing and on, contact EPSON as described in Where To Get Help .

All the lights are flashing

Possible cause	Solution
You haven't removed all the packing material from the printer.	Remove the packing material, following the instructions on the unpacking sheet.
An internal error may have occurred.	Turn off your printer, wait a few seconds, and turn it on again. If the lights still flash or stay on, contact EPSON as described in Where To Get Help .

The printer has finished charging the ink cartridge, but the  power light is still flashing

Possible cause	Solution
The ink cartridge clamp isn't locked.	Press down on the clamp to lock it into place.
Packing material remains in the printer.	Remove the packing material, following the instructions on the unpacking sheet.

Possible cause	Solution
The printer needs to initialize.	If the printer is not moving or making noise, but the ⏻ power light is still flashing after 5 minutes have passed, turn the printer off. If the light is still flashing when you turn it back on, contact your EPSON dealer or see Where To Get Help .
The printer may be receiving data from the computer.	Turn the printer and computer off. Disconnect the printer from the computer. Turn the printer on. If the ⏻ power light continues to flash for more than 5 minutes, contact your EPSON dealer or see Where To Get Help .

Solving Printer Software Problems

If you have trouble with your printer software, first check that your printer is selected as the default Windows printer or as the current printer in the Macintosh Chooser.

If you still have problems with your printer software, check the following solutions. If you need to uninstall the printer software, see [Uninstalling Printer Software](#).

While installing your printer software, you see a New Hardware Found window

Possible cause	Solution
Windows has detected your printer.	Click Cancel , and then click OK . <i>Never select any other option on the New Hardware Found window.</i>

The printer software doesn't work correctly after you upgrade your Windows operating system

Possible cause	Solution
Your printer software is not set up correctly for the new operating system.	Uninstall the printer software after installing Windows 95 or Windows 98, as described in Uninstalling Printer Software . Then reinstall it as described in the <i>Start Here</i> card.

You see a spooling error message

Possible cause	Solution
Spooling error messages or very slow printing may be caused by temporary files (Windows 3.1 only).	Change the Spool Manager default spool directory, following the instructions in Deleting a Print Job .
Your hard drive is full.	Delete unnecessary files to make room on the drive.
Your computer doesn't have enough memory for the file you're printing.	Try the following: ➤ Close all other applications, including screen savers and virus protections programs. ➤ Reduce the resolution of your image. ➤ Select fewer colors or a lower resolution for your monitor. ➤ Add more memory to your computer.

You see a memory error message (Macintosh)

Possible cause	Solution
You need to increase the memory allocation for your application, EPSON Monitor3, or both.	Choose Get Info from the File menu when the application is active or EPSON Monitor3 is selected and increase the memory requirements. See Using Monitor3 for more information. If that doesn't work, turn off background printing in the Chooser or in your printer software; see Setting Up Background Printing Options for instructions. You won't be able to use Monitor3 after turning off background printing.

The Status Monitor 2 window doesn't appear (Windows)

Possible cause	Solution
Status Monitor 2 is not available in Windows 3.1	Upgrade to Windows 95 or Windows 98.
You didn't restart your computer after installing Status Monitor 2.	Click Start , select Shut Down , click Restart the computer , and click Yes to restart your computer. Then try using Status Monitor 2.
Bi-directional support is not enabled.	Follow these steps to enable bi-directional support: 1 Make sure your printer is connected to your computer with a bi-directional cable. 2 Then click Start, select Settings, and click Printers. 3 Right-click the EPSON Stylus COLOR 900 icon and select Properties. 4 Click the Details tab, then click the Spool Settings button. 5 Click the Enable bi-directional support for this printer radio button to turn on bi-directional support. 6 Click OK twice, then close the Printers window and try printing again.
You're using ScanDisk.	Before using ScanDisk, turn off background monitoring in Status Monitor 2. (See Turning On Background Monitoring for instructions.) Then turn it back on when you're finished using ScanDisk.

Printing is too slow

Possible cause	Solution
Your printer software options are set incorrectly.	For the fastest printing, try the following: ▶ Set Print Quality to Economy. ▶ Turn High Speed on. ▶ Choose Black ink and No Halftoning. See Basic Printing and Advanced Printing for more information.
Your system doesn't have enough resources.	▶ Clear space on your hard disk or run a defragmentation utility. ▶ Don't run too many applications at the same time. ▶ Turn off virtual memory. ▶ Increase your system's memory (RAM).
You're using background printing on a Macintosh.	Choose Get Info from the File menu when the application is active or EPSON Monitor3 is selected and increase the memory requirements. See Using Monitor3 for more information. If that doesn't work, turn off background printing in the Chooser or in your printer software; see Setting Up Background Printing Options for instructions. You won't be able to use Monitor3 after turning off background printing.
You're not using ECP or Enhanced mode and/or DMA transfers.	If your computer supports ECP or Enhanced mode and/or DMA transfers, turn them on to speed up printing. See your computer documentation for details.

Your printer switches to the modem port or won't confirm on the printer port (Macintosh)

Possible cause	Solution
You're using an AppleTalk cable.	Make sure you're using a standard LaserWriter II cable. See Macintosh System Requirements for more information.

Your printer icon doesn't appear in the Chooser (Macintosh)

Possible cause	Solution
Your Macintosh has extension conflicts.	Disable Quick Draw® GX in the Extensions Manager. Make sure EPSON Monitor3 and SC 900 are enabled, and then restart your Macintosh.

Your application program can't open your image file (Macintosh)

Possible cause	Solution
Not enough memory is allocated to the application.	Highlight the program icon and select Get Info from the File menu, then increase the memory allocated to the application.

The "SC 900 cannot be used" message appears (Macintosh)

Possible cause	Solutions
The printer software has been corrupted.	Remove and reinstall the printer software as described in Uninstalling Printer Software . Then, in the Extensions Manager, disable Quick Draw GX, enable EPSON Monitor3 and SC 900, and restart.

After you install your printer software, you can't run ScanDisk (Windows 95)

Possible cause	Solution
You cannot use ScanDisk if Status Monitor 2 is active.	Disable Status Monitor 2 whenever you want to run ScanDisk. See Turning On Background Monitoring for details.

You cannot print on a Windows NT 4.0 network

Possible cause	Solution
Your printer is not set up correctly as a remote printer.	You may need to use a different network path and printer port. Select a different port in the printer's Properties windows and enter the new network path to your printer at the DOS prompt. Then restart your computer. See your Windows NT documentation for instructions on changing the printer port and network path.

Fixing Paper Problems

To avoid most paper handling problems:

- Use smooth, high-quality media designed for ink jet printers that meets the media specifications in [Paper](#).
- Follow all loading and handling instructions included with the media.
- When loading multiple sheets, fan the stack of paper to make sure the sheets are not stuck together.
- Load the media with the printable side face up, as described in the *Printer Basics* book or in [Media Loading and Handling Guidelines](#).

If you have problems with paper handling, check the following tables for solutions:

Paper doesn't eject fully or is wrinkled

Possible cause	Solution
If the paper doesn't eject fully, you may have set the wrong paper size.	Press the  load/eject button to eject the paper. Then make sure you select the correct paper size in your application or printer software. See Selecting Paper Size and Orientation Options for instructions. See Paper for the paper sizes you can print with.
If it's wrinkled when it comes out, the paper may be damp or too thin.	See the specifications in Paper for paper thicknesses you can print with, as well as environmental requirements for storage.

Paper doesn't feed

Try this	Then do this
Remove the stack of paper from the sheet feeder.	Check that the paper: ▶ Isn't curled or creased. ▶ Isn't too old (see Media Loading and Handling Guidelines or your paper packaging for more information). ▶ Isn't loaded above the arrow on the left edge guide. ▶ Isn't jammed inside the printer. (If the  paper out light is flashing, paper is jammed.) Then reload the paper as described in Media Loading and Handling Guidelines, making sure the left edge guide is adjusted to fit the paper's width.

Paper jams inside the printer

Try this	Then do this
Turn off your printer, open the cover, and carefully remove all the paper that's inside, including any small pieces that may have torn off. If possible, remove the jammed paper from the front of the printer, rather than from the sheet feeder.	Reload the paper as described in the <i>Printer Basics</i> book and Selecting Special Media. If your paper jams frequently, make sure you: ▶ Use smooth, high-quality paper, loaded printable side up. ▶ Fan the stack and then even the edges before loading it. ▶ Don't load paper above the arrow mark on the left edge guide. ▶ Place the paper against the right edge guide and adjust the left edge guide to fit the width of your paper.

Multiple pages feed at the same time

Try this	Then do this
Remove the stack of paper from the printer.	▶ Make sure the paper isn't too thin (see the specifications in Paper). ▶ Fan the edges of the stack of paper to separate the sheets. ▶ Reload the paper as described in the <i>Printer Basics</i> book and in Media Loading and Handling Guidelines. ▶ Make sure the paper edge guides are snug against the edge of the paper. ▶ If too many copies of a page or document are printing, check the Copies settings in both the printer software and your application program. See Selecting Paper Size and Orientation Options for more information.

Solving Miscellaneous Printout Problems

If your printout results are not what you expected, try these solutions.

Characters are incorrect or garbled

Possible cause	Solution
Your printer is not selected in your application or as the Windows default printer.	Select your printer in your application or select it as the default Windows printer. See your Windows documentation or online help for instructions.
Your printer is not selected in the Macintosh Chooser.	Select your printer in the Chooser as described in the <i>Start Here</i> card.
Printing is stalled.	In Windows, delete the stalled print jobs in Spool Manager: ▶ For Windows 95 and Windows 98, see Deleting a Print Job. ▶ For Windows 3.1, see Deleting a Print Job. ▶ For Windows NT 4.0, you need to uninstall the EPSON Printer Port. Select Start, Programs, EPSON, then click EPSON Printer Port Uninstall and follow the on-screen instructions. On a Macintosh, delete stalled print jobs using Monitor3 (see Using Monitor3) or open the Extensions folder, EPSON folder, and Spool folder, and then delete any queued files.
The interface cable is not securely connected.	Turn off your printer and computer. Then connect the cable securely. Make sure the cable meets the printer's specifications as described in Windows System Requirements or Macintosh System Requirements .

Possible cause	Solution
You're using a switch box with your printer.	Connect the printer directly to your computer and try printing again.
Your video driver may be conflicting with the EPSON printer driver.	Try using a standard VGA video driver (see your computer or video card documentation for instructions on changing video drivers). If your printout is correct, your video driver is interfering with the printer driver. Contact your computer or video card manufacturer to see if an updated driver is available.

The margins are incorrect

Possible cause	Solution
Margins are set incorrectly in your software application.	Check your software documentation for instructions on selecting the correct margins for your paper size. Make sure the margins are within the printable area of the page. See Printable area for more information.
Paper settings in the printer software are incorrect for your paper size.	Select the correct paper settings for your paper size. Make sure the Printable Area setting is correct for your project. See Selecting Paper Size and Orientation Options and Printing on Special Media for more information.

The image size or position is incorrect

Possible cause	Solution
The paper and/or layout options are set incorrectly.	Check the paper settings and the settings in the Layout dialog box (not available for Windows 3.1). See Selecting Paper Size and Orientation Options for instructions. Also check the paper and layout settings in your application software.

The image is inverted, as if viewed in a mirror

Possible cause	Solution
You used a Flip Horizontal option.	Turn off the Flip Horizontal or mirror setting in your application software or the printer software. See Customizing Print Quality and Special Effects for information.

A portion of your image doesn't print (Macintosh)

Possible cause	Solution
Your system doesn't have enough available memory.	Close any other applications you are running and turn off background printing as described in Setting Up Background Printing Options .
You need to increase the memory allocation for your application, EPSON Monitor3, or both.	Choose Get Info from the File menu when the application is active or EPSON Monitor3 is selected and increase the memory requirements. See Using Monitor3 for more information. If that doesn't work, turn off background printing in the Chooser or in your printer software; see Setting Up Background Printing Options for instructions. You won't be able to use Monitor3.

The printer prints blank pages

Possible cause	Solution
Your printer is not selected in your application, or as the Windows default printer, or in the Macintosh Chooser.	In Windows, select your printer as the default Windows printer. See your Windows documentation or Windows online help for instructions. In Macintosh, select your printer in the Macintosh Chooser; see your <i>Start Here</i> card for instructions.
Paper settings in the printer software are incorrect for your paper size.	Select the correct paper settings for your paper size. Make sure the Printable Area setting is correct for your project. See Selecting Paper Size and Orientation Options and Printing on Special Media for more information.
The print head nozzles are clogged.	Clean the print head following the instructions in Cleaning the Print Head .

Uninstalling Printer Software

If you need to uninstall and reinstall your printer software, follow the steps in this section for your operating system:

- ▶ [Windows 95, Windows 98, and Windows NT 4.0 Instructions](#)
- ▶ [Windows 3.1 Instructions](#)
- ▶ [Macintosh Instructions](#)



If you uninstall and then reinstall the printer software in Windows 95, 98, or NT 4.0, you must also uninstall and then reinstall Status Monitor 2 so it can recognize your printer.

If you're using Windows 98 with a USB connection, you must also uninstall and then reinstall the EPSON USB printer Device software.

Windows 95, Windows 98, and Windows NT 4.0 Instructions

- 1 Double-click the **My Computer** icon, then double-click the **Control Panel** icon.
- 2 Double-click **Add/Remove Programs**.
- 3 To uninstall the printer software, select **EPSON Printer Software** in the program list.
- 4 Click the **Add/Remove** button and then follow the instructions on the screen.
- 5 If Status Monitor 2 is installed you need to uninstall it also. First, right-click the  icon in the bottom-right corner of the taskbar and select **Stop monitoring now** to turn off background monitoring. Then follow steps 1 through 4 again, selecting **EPSON Status Monitor 2** in the program list to uninstall it.

- 6 If you're using Windows 98 with a USB connection, you need to uninstall the EPSON USB Printers Device Software also. Follow steps 1 through 4 again, selecting **EPSON USB Printer Device** in the list.
- 7 Restart your computer.
- 8 To reinstall your software, see the *Start Here* card.

Windows 3.1 Instructions

- 1 Double-click the **Main** program group icon, then double-click the **Control Panel** icon.
- 2 Double-click **Printers**.
- 3 Select **EPSON Stylus COLOR 900** in the Installed Printers list and click the **Remove** button.
- 4 To reinstall your software, see the *Start Here* card.

Macintosh Instructions

- 1 Insert your printer software CD-ROM.
- 2 Double-click the  EPSON Printer Driver Installer icon.
- 3 At the printer driver installation screen, click **Continue**.
- 4 Click the arrow in the list showing Easy Install, and select **Remove**.



changes to
Remove

- 5 Click the **Remove** button at the bottom of the screen.
- 6 After the software is uninstalled, click **Quit** on the Installer window, then restart your Macintosh.
- 7 To reinstall your software, see the *Start Here* card.

Where To Get Help

EPSON provides technical assistance through electronic support services and automated telephone services 24 hours a day. The following tables list the contact information:

Electronic support services

Service	Access
World Wide Web	From the Internet, you can reach EPSON's Home Page at http://www.epson.com .
EPSON Internet FTP Site	If you have Internet FTP capability, use your Web browser (or other software for FTP downloading) to log onto ftp.epson.com with the user name anonymous and your e-mail address as the password.
EPSON Download Service	You can call the EPSON Download Service at (800) 442-2007 . Set your communications software to 8 data bits, 1 stop bit, no parity. Modem speed can be up to 28.8 Kbps.
EPSON Forum on CompuServe®	Members of CompuServe can type GO EPSON at the menu prompt to reach the Epson America Forum. For a free introductory CompuServe membership, call (800) 848-8199 and ask for representative #529.

Automated telephone services

Service	Access
EPSON SoundAdvice SM	For pre-recorded answers to commonly asked questions about EPSON products 24 hours a day, seven days a week, call (800) 922-8911 .
EPSON FaxAdvice TM	Access EPSON's technical information library by calling (800) 922-8911 . You must provide a return fax number to use this service.
EPSON Referral Service	For the location of your nearest Authorized EPSON Reseller or Customer Care Center, call (800) 922-8911 .



If you need help using another manufacturer's software with an EPSON product, see the documentation for that software for technical support information.

To speak to a technical support representative, dial (310) 787-6346 (U.S.) or (905) 709-2567 (Canada), 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday. Toll or long distance charges may apply.

Before you call, please have the following information ready:

- ▶ Product name
- ▶ Product serial number (located on the back of the printer)
- ▶ Computer configuration
- ▶ Description of the problem

You can purchase ink cartridges, paper, and manuals from EPSON Accessories at (800) 873-7766 (U.S. sales only). Or visit our website at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

Specifications

Printing

Printing method	On-demand ink jet
Nozzle configuration	192 black nozzles 288 color nozzles (96 cyan, 96 magenta, 96 yellow)
Resolution	Maximum 1440 × 720 dpi
Input buffer	256KB
Print direction	Bidirectional with logic seeking
Control code	ESC/P 2™ and raster graphics code, EPSON Remote, and IBM® X24E emulation code
Character tables	1 italic and 12 graphics character tables
Character sets	14 international character sets and 1 legal character set

Paper

Paper type	Size	Paper types	Thickness	Weight
Single sheets	Letter (8.5 × 11 inches) A4 (210 × 297 mm) A5 (148 × 210 mm) B5 (182 × 257 mm) Legal (8.5 × 14 inches) Half letter (5.5 × 8.5 inches) Executive (7.5 × 10 inches)	Plain paper and special ink jet papers distributed by EPSON	0.003 to 0.004 inch (0.08 to 0.11 mm)	17 to 24 lb (64 to 90 g/m ²)
Transparencies and glossy film	Letter (8.5 × 11 inches) A4 (210 × 297 mm) A6 (105 × 148 mm, glossy film only)	Transparencies and glossy film distributed by EPSON	—	—
Photo Paper	4 × 6 inches (102 × 152 mm) Letter (8.5 × 11 inches) A4 (210 × 297 mm) Panoramic (8.27 × 23.4 inches, 210 × 584 mm)	Photo Paper distributed by EPSON	—	—
Photo stickers	A6 (105 × 148 mm) with 16 frames	Photo stickers distributed by EPSON	—	—

Paper type	Size	Paper types	Thickness	Weight
Self adhesive sheets and iron-on cool peel transfer paper	A4 (210 × 297 mm) Letter (8.5 × 11 inches; iron-on cool peel transfer paper only)	Self adhesive sheets and iron-on cool peel transfer paper distributed by EPSON	—	—
Envelopes	#10 9.5 × 4.1 inches (240 × 104 mm) DL 8.7 × 4.3 inches (220 × 110 mm) C6 4.4 × 6.4 inches (114 × 162 mm) Note card envelope 5.2 × 8.7 inches (132 × 220 mm)	Plain, bond, or air mail paper	0.006 to 0.02 inch (0.16 to 0.52 mm)	12 to 20 lb (45 to 75 g/m ²)
Cards	A6 (105 × 148 mm) 8 × 10 inches (203 × 254 mm; ink jet cards only)	Ink jet cards and note cards distributed by EPSON	—	—



Print only under these conditions:

Temperature: 59 to 77 °F (15 to 25 °C)

Humidity: 40 to 60% RH

Store glossy film and self adhesive sheets under these conditions:

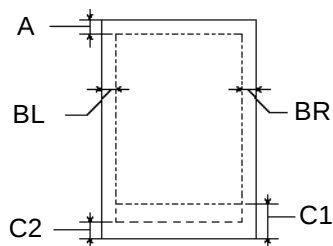
Temperature: 59 to 86 °F (15 to 30 °C)

Humidity: 20 to 60% RH

Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, EPSON cannot guarantee the use of any particular brand or type of paper. Always test samples of paper stock before purchasing large quantities or printing large jobs.

Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter problems, switch to a higher grade of paper. Do not load curled or folded paper, envelopes, or transparencies.

Printable area



Single sheets and cards



Envelopes



Always load paper into the sheet feeder short edge first except envelopes. Load envelopes long edge first.

- | | |
|----|---|
| A | The minimum top margin is 0.12 inch (3.0 mm).
When printing multiple sheets of EPSON Photo Quality Glossy Film, the minimum top margin is 1.2 inches (30 mm). |
| BL | The minimum left margin is 0.12 inch (3.0 mm). |
| BR | The minimum right margin is:
0.35 inch (9.0 mm) for letter and legal
1.10 inches (28 mm) for #10 envelopes
0.28 inch (7 mm) for DL envelopes
0.12 inch (3.0 mm) for all other paper sizes and C6 envelopes. |
| C1 | The minimum bottom margin is 0.55 inch (14.0 mm) using the Standard printable area setting. |
| C2 | The minimum bottom margin can be decreased to 0.12 inch (3.0 mm) using the Maximum printable area setting. However, the print quality in the expanded printable area may be reduced. |

Ink Cartridges

Specification	Black ink cartridge (T003011)	Color ink cartridge (T005011)
Color(s)	Black	Cyan, magenta, and yellow
Print capacity*	1200 pages (A4, ISO/IEC 10561 letter pattern); 840 pages at 5% coverage at 360 dpi)	570 pages (A4, 5% coverage at 360 dpi)
Cartridge life	2 years from production date and up to within 6 months after opening package at 77 °C (25 °F)	
Storage temperature	–4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C)	
Transit temperature	–22 to 140 °C (–30 to 60 °F) 1 month at 104 °F (40 °C) 120 hours at 140 °F (60 °C)	
Freezing temperature**	3.2 °F (–16 °C)	–0.4 °F (–18 °C)
Dimensions	1.1 (W) × 2.6 (D) × 1.6 (H) inches 28.9 (W) × 67.4 (D) × 41.8 (H) mm	2.1 (W) × 2.7(D) × 1.6 (H) inches 54.0 (W) × 67.4 (D) × 41.8 (H) mm

* The print capacity may vary depending on how often you clean the print head and use the printer.

** The ink thaws and is usable after approximately 3 hours at 77 °F (25 °C).



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

Do not use an ink cartridge after the expiration date on the package.

Mechanical

Paper feed method

Friction with auto sheet feeder, rear entry

Sheet feeder capacity

Maximum 100 sheets of 17 lb (64 g/m²) paper

Dimensions

Storage

Width: 18.4 inches (467 mm)

Depth: 11.7 inches (269 mm)

Height: 7.8 inches (199 mm)

Printing

Width: 18.4 inches (467 mm)

Depth: 23.4 inches (594 mm)

Height: 12.8 inches (325 mm)

Weight

18.5 lb (8.4 kg) without the ink cartridges

Electrical

Specification	120 V model	240 V model*
Input voltage range	99 V to 132 V	198 V to 264 V
Rated frequency range	50 to 60 Hz	
Input frequency range	49.5 to 60.5 Hz	
Rated current	0.7 A	0.4 A
Power consumption	Approx. 30 W (ISO 10561 Letter Pattern)	

* Also designed for IT power systems with Phase to Phase voltage 220–240 V

Environmental

Temperature	Operation	50 to 95 °F (10 to 35 °C)
	Storage*	–4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C)
	Transit*	–4 to 140 °F (–20 to 60 °C) 120 hours at 140 °F (60 °C)
Humidity	Operation	20 to 80% RH
	Storage*	5 to 85% RH (without condensation)
* Stored in shipping container		

Safety Approvals

Safety standards	UL 1950 with D3, CSA 22.2 No. 950
EMC	FCC part 15 subpart B class B

Interfaces

Parallel interface

Forward channel

Specification	Description
Data format	8-bit parallel, IEEE-1284 compatibility mode
Synchronization	$\overline{\text{STROBE}}$ pulse
Handshake timing	BUSY and $\overline{\text{ACKNLG}}$ signals
Signal level	TTL compatible
Connector	57-30360 Amphenol connector or equivalent

Reverse channel

Specification	Description
Transmission mode	IEEE-1284 Nibble mode
Adaptable connector	57-30360 Amphenol connector or equivalent
Synchronization	Refer to the IEEE-1284 specification
Handshaking	Refer to the IEEE-1284 specification
Signal level	IEEE-1284 Level 1 device
Data transmission timing	Refer to the IEEE-1284 specification

Serial interface

Specification	Description
Standard	Based on RS-423
Synchronization	Synchronous
Bit rate	Approximately 1.8 Mbps
Handshaking	X-ON/X-OFF and DTR protocol
Word format	Data bit: 8 bits Parity bit: None Start bit: 1 bit Stop bit: 1 bit
Connector	8-pin mini-DIN
Recommended cable	ImageWriter II cable (preferably Belkin brand)

USB interface

Specification	Description
Standard	Based on Universal Serial Bus Specifications Revision 1.0, Universal Serial Bus Device Class Definition for Printing Devices Version 1.0
Bit rate	12 Mbps (full speed device)
Data encoding	NRZI
Adaptable connector	USB Series B
Recommended cable length	6.5 feet (2.0 meters)

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