

EPSON Stylus® COLOR 670



Printer Basics

CPD-9992



Printer Basics



Printed on recycled paper with at least 15% post-consumer content.

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Welcome!

Your EPSON Stylus® COLOR 670 printer is the ideal output device for home or small office. You can print anything from reports and resumes to photos and greeting cards with great results.

The printer comes with these features:

- Resolutions up to 1440 by 720 dpi (dots per inch), even on plain paper
- EPSON's exclusive Micro Piezo™ ink jet technology for smaller, cleaner dots as small as 7 picoliters
- Four-color printing for photo-quality color and sharp black text on plain paper or a variety of special papers and other media
- Great results on a variety of paper sizes, including letter, legal, envelope, card, and panoramic paper
- Creative software for implementing all your print projects

About Your Software

The printer software CD-ROM includes all the software you need for printing:

- Your printer driver, which runs your printer and lets you control how your documents look. You can't use your printer without it.
- Your creative software, including:
 - ArcSoft™ PhotoImpression™ 2000, an easy-to-use photo editing program for enhancing and retouching your photos.
 - EPSON Software™ Film Factory™ photo management software for organizing, beautifying, and printing your photos
 - Stamps.com™ for buying and printing postage right from your PC (Windows only)
 - Trellex Web™ for quickly building a multi-page web site for your family, organization, or small business (Windows only)

- Your EPSON® documentation, including:
 - The EPSON Guided Printing Exercise, a quick step-by-step guide to changing your printer software settings (see page 9)
 - Your electronic *Reference Guide*, which gives you complete information about your printer (see the next page). You need an HTML browser—such as Microsoft® Internet Explorer or Netscape® Navigator®, version 3.0 or later—to view the guide.
 - Fix-it Flix™ printer movies that show you how to change ink cartridges, clean the print head, and load paper (see page 4)

If you haven't yet installed the printer software from your CD-ROM, see the *Start Here* poster for instructions.

About Your Documentation

To set up your printer and install its software, see the *Start Here* poster. This book contains system requirements, important safety information, and instructions on:

- viewing your electronic printer manual
- printing with Windows® or on a Macintosh®
- using special papers
- maintaining the printer
- solving basic problems

For more details about printing with, maintaining, or troubleshooting your printer, see your electronic *Reference Guide*. For instructions on viewing it, see page 3.

Warnings, Cautions, Notes, and Tips

Please follow these guidelines:



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.

Viewing Your Electronic Printer Manual

Your printer software CD-ROM includes an electronic *Reference Guide* for your printer. The manual is in HTML format, so you need a browser—such as Microsoft® Internet Explorer or Netscape® Navigator®, versions 3.0 or later—to view it. If you are using a different browser, the pages may not display correctly. (A browser is not included on the printer software CD-ROM.)

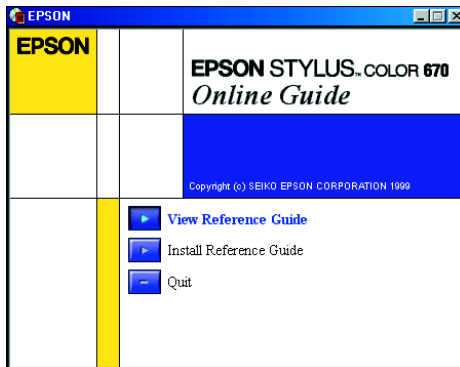
You can view your electronic *Reference Guide* from the CD-ROM or copy it to your hard drive and view it from there. Follow these steps:

1. Insert your printer software CD-ROM.
2. **Windows:** Double-click  **My Computer**, double-click your  CD-ROM or DVD drive icon, then double-click the  **EPSON** icon.

Macintosh: Double-click the **EPSON** CD-ROM or DVD icon, if necessary. Then double-click the **EPSON** icon.

You see the installer main menu.

3. Click **View EPSON Documentation**, then click **View Reference Guide**. This menu appears:



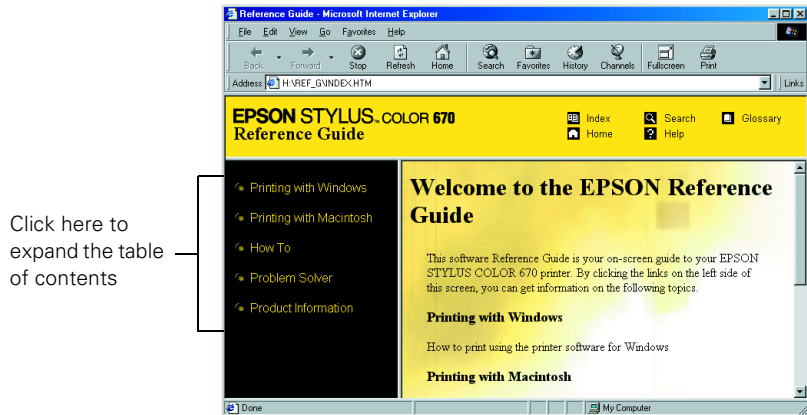
4. You can either view the manual from the CD-ROM (**View Reference Guide**) or copy it to your hard drive (**Install Reference Guide**) and view it from there.

If you copied the manual to your hard drive, you can access it at any time, as follows:

Windows: Select **Start**, **Programs**, **EPSON**, then **ESC670 Guide**.

Macintosh: Open the **EPSON Stylus COLOR 670** folder and double-click **View Reference Guide**.


When you first open the *Reference Guide*, you see this screen:




Click a topic on the left to expand the table of contents.



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

Click a right arrow  to expand the list, then click on a subtopic to go to it.


Click the down arrow  to close a subtopic list.



After expanding the table of contents, you can click on the topic you want to view.

Viewing Fix-it Flix Printer Movies

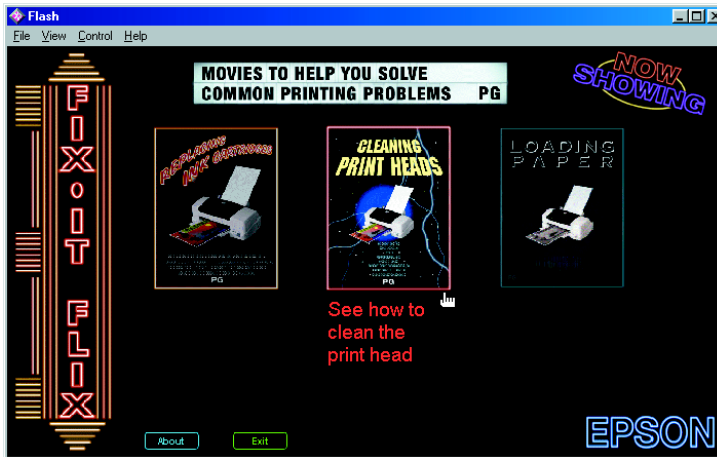
The Fix-it Flix™ printer movies show you how to change ink cartridges, clean the print head, and load paper. To watch the movies, follow these steps:

1. Insert your printer software CD-ROM.
2. **Windows:** Double-click  **My Computer**, double-click your  CD-ROM or DVD drive icon, then double-click the  **EPSON** icon.

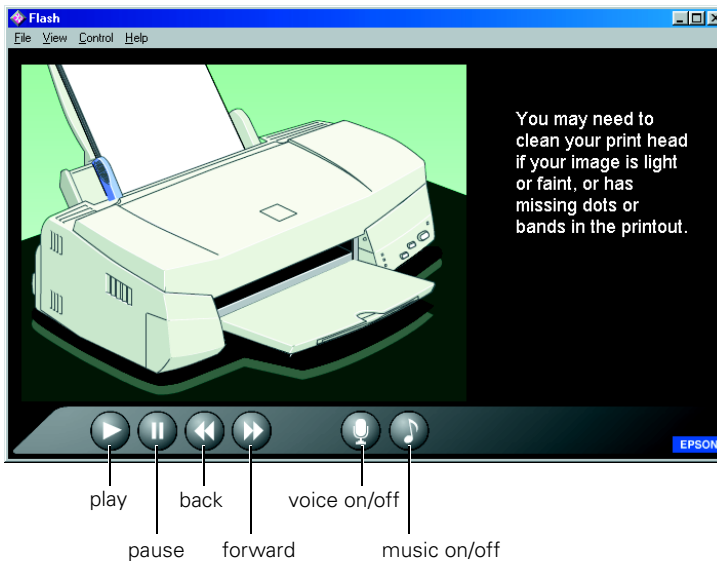
Macintosh: Double-click the **EPSON** CD-ROM icon, if necessary. Then double-click the **EPSON** icon.

You see the installer main menu.

3. Click View EPSON Documentation, then click Watch Printer Movies.
4. Click the poster for the movie you'd like to watch.



As you watch the movie, you can turn the narration and music on or off, pause or play the movie, or move forward or back to replay a scene.





Using an improperly shielded USB cable—especially a cable more than 6.5 ft. (2 meters) long—may cause the printer to malfunction.



If you have an iMac, you may need to update your operating system before installing your printer software.

If you're running OS 8.1, you must install iMac Update 1.0.

If you're running OS 8.5 or 8.5.1, Apple recommends that you install iMac Update 1.1.

Download the update for your system from Apple at <http://asu.info.apple.com>. Contact Apple if you have problems installing an update.

To find out which operating system your iMac is running, select About This Computer from the Apple menu.

Windows System Requirements

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

- An IBM® compatible PC with at least a 486/66 MHz (for Windows 98) or 486/25 MHz (for Windows 95 or Windows NT® 4.0) processor (Pentium® processor recommended)
- Microsoft Windows 95, Windows 98, or Windows NT 4.0
- At least 32MB of RAM (64MB recommended)
- At least 100MB of free hard disk space (200MB recommended)
- VGA, Super VGA, or better display adapter and monitor
- Double-speed (2x) CD-ROM or DVD drive (quad-speed [4x] or faster recommended) for installing the printer software
- For USB connection: a computer running Windows 98 with a Windows 98 compliant USB port and a shielded USB “AB” cable, up to 6.5 ft. (2 meters) long

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

Macintosh System Requirements

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

- An Apple® iMac™ series or Power Macintosh® G3 or later with USB port
- For iMac: Mac® OS 8.1 or later (Mac OS 8.5.1 or later recommended)
For Power Macintosh G3 or later: Mac OS 8.5.1 or later
- At least 32MB of available RAM (64MB recommended)
- At least 100MB of free hard disk space (200MB 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
- A shielded USB “AB” cable, up to 6.5 ft. (2 meters) long

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.



Important Safety Instructions



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

- Be sure to follow all warnings and instructions marked on the printer.
- 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 or heating vent or in 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.



Always turn the printer off using the  power button. Never use an external switch, such as a power strip switch. Don't unplug the printer until the  power light is off.

- 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.

Ink Cartridge Safety Instructions

- 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 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 and do not drink the ink.
- 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.
- 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.
- Do not move the print head by hand; otherwise you may damage the printer.
- Before transporting the printer, make sure the print head is capped in the far right position and the ink cartridges are in place.

Printing from Start to Finish

Here's how you print a basic document—such as a memo, newsletter, or photograph—from loading the paper to selecting print settings to controlling the print job. You can practice selecting settings using the EPSON Guided Printing Exercise, as described on the next page.

For step-by-step printing instructions, see these sections:

- “Printing with Windows” on page 11
- “Printing on a Macintosh” on page 15

If you're already familiar with ink jet printing, you can skip ahead to these sections:

- Improving the quality of low-resolution photos and adding special effects with PhotoEnhance™ on page 19
- Selecting a preset project type or a color-matching method, on page 20
- Fine-tuning your settings for maximum control of your printouts, on page 21
- Using special papers such as envelopes or EPSON Photo Paper, on page 22

Using the EPSON Guided Printing Exercise

Your printer software CD-ROM includes a Guided Printing Exercise with step-by-step printing instructions showing you how to access your printer software and make changes to the settings.

To run the exercise, follow these steps:




Windows: Double-click the  EPSON Guided Printing Exercise icon on your desktop.

Macintosh: Double-click the  EPSON Guided Printing Exercise icon in the EPSON Guided Printing Exercise folder.

Follow the on-screen instructions to print a full-color image.


If you didn't install the Guided Printing Exercise when you set up your printer, follow these steps to install it:

Windows

1. Insert the printer software CD-ROM.
2. Double-click  **My Computer**, double-click your  CD-ROM drive icon, then double-click the  **EPSON** icon. You see the installer main menu.
3. Double-click **View EPSON Documentation**. On the next screen, double-click **Install EPSON Guided Printing Exercise** and follow the on-screen instructions to install it.

The exercise is installed on your system. Run it as described above.

Macintosh

1. Insert the printer software CD-ROM.
2. Double-click the **EPSON Guided Printing Exercise** folder on the CD-ROM.
3. Double-click the  **EPSON Guided Printing Exercise** icon and follow the on-screen instructions to install it.

The exercise is installed on your system. Run it as described above.

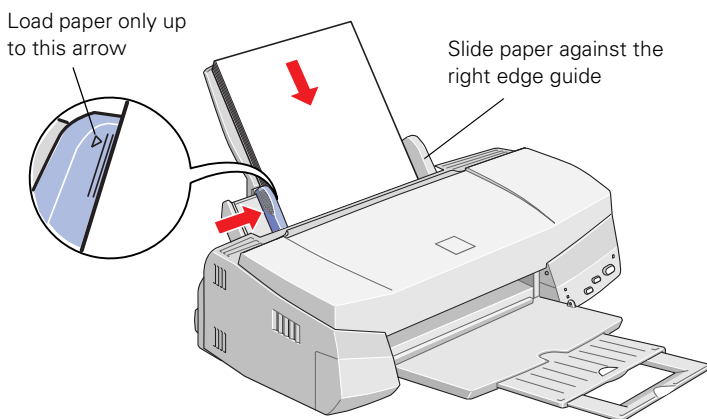
Printing with Windows

This section describes these basic steps for printing with Windows:

- loading paper
- opening the printer software
- selecting printer software settings
- controlling printing

(To print on a Macintosh, see page 15.)

Loading Paper



Make sure your printer and computer are turned on.

Place your paper against the right edge guide and slide the left edge guide against the paper.

Keep the following in mind when loading paper:

- Load the printable side face up. It's usually whiter or brighter than the other side.
- Load letterhead or preprinted paper into the printer top edge first.
- Don't load paper above the arrow on the left edge guide.

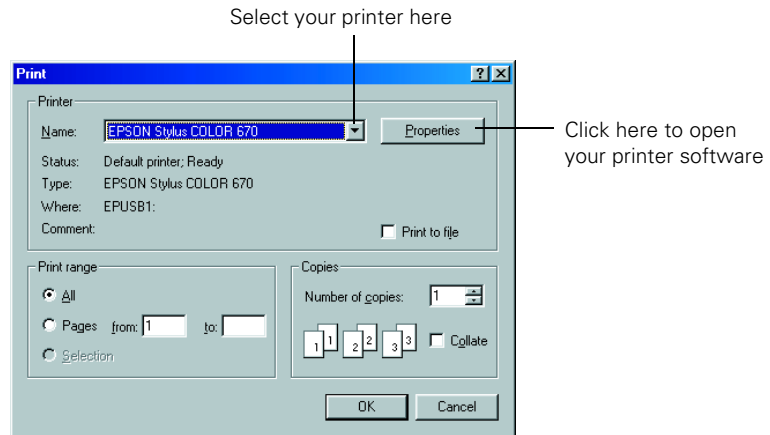


If you're printing on envelopes or other special paper sizes or types, see page 22 for loading instructions.

Opening the Printer Software

After you open your application program and create your document, you're ready to select your printer software settings.

From the File menu, click **Print**. You see your application's Print dialog box (yours may look slightly different):



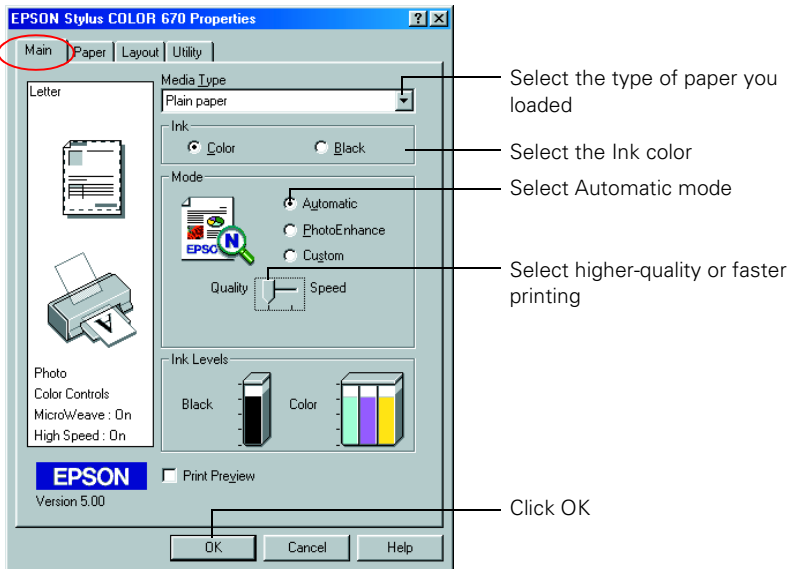
If you click the print icon on your application's tool bar instead of selecting Print from the File menu, you may not be able to change the printer software settings before printing.

Make the following selections:

- Make sure your **EPSON Stylus COLOR 670** is selected.
- If the Print dialog box contains a **Properties** button, click it. (If you see a **Setup**, **Printer**, or **Options** button, click it. Then click **Properties** on the next screen.)

Selecting Printer Software Settings

Once you click **Properties**, you see your printer software Properties dialog box. The most important thing to remember is to set the correct Media Type for the paper you're using. The Media Type setting affects the other options you can choose. If necessary, click the **Main** tab to display the settings shown below:



Most Windows applications feature paper size and page layout settings that override similar settings in the printer driver. However, if your application does not have these settings, verify the settings on the printer driver's Paper and Layout tabs. For more information, see your electronic *Reference Guide*.

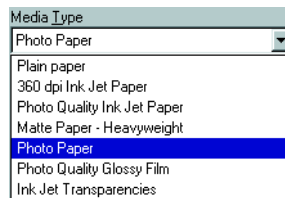
TIP



For more information about printer settings, click the Help button. Or you can right-click any item on the screen and then click What's This?.

Make the following settings on the Properties dialog box:

- Choose the paper you're printing on (click the arrow button to scroll through the **Media Type** list). If you're not sure which setting to select, see page 26.
- Set the Ink option to **Color**, unless you're printing in black only.
- Set the Mode option to **Automatic**. This lets the printer software determine the best settings for your print job. It's the easiest way to get good printing results on all types of paper.
- Set the slider in the Mode box to **Quality** or **Speed**. This lets you choose between a higher resolution or faster printing. (The slider is not available when certain media types are selected.)



When you've selected your settings, click **OK** to return to your application's Print dialog box.

Selecting Windows Default Settings

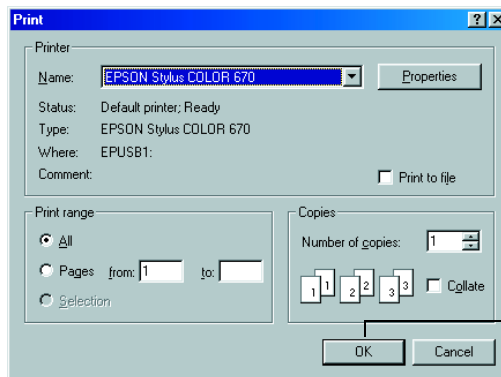
The printer settings you make apply only to the application you're currently using. If you usually print one type of document in different applications—for example, black ink on legal size paper—you can change the default printer settings for all your programs. You do this using the Windows Printer utility:

1. Click **Start**, point to **Settings**, and then select **Printers**.
2. Right-click the **EPSON Stylus COLOR 670** icon.
3. Select **Properties** (Document Defaults in Windows NT). Then click the **Main** tab.
4. Select the default settings you want to use for all your applications. Click **OK** when you're finished.

Remember, you can always change the default settings in your application when you want to print different types of documents. Another way to select a group of settings quickly is to save them as a group; see page 21 for details.

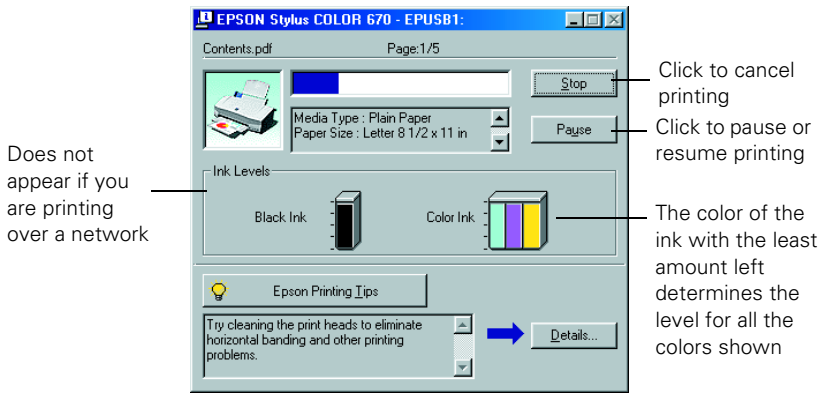
Controlling Printing

At the Print dialog box, click **OK** (or **Print**, depending on your application) to start printing.



Click OK to start
printing

After a moment, the Progress Meter appears and shows the progress of your print job. You can use the buttons to cancel, pause, or restart printing. You can also see how much ink you have left and view printing tips.



For more advanced printer settings, see pages 19 through 22. For more information on printing—for example, previewing your printout, changing the paper size, or adding a watermark—see your electronic *Reference Guide* (described on page 3).

Printing on a Macintosh

This section describes these basic steps for printing on a Macintosh:

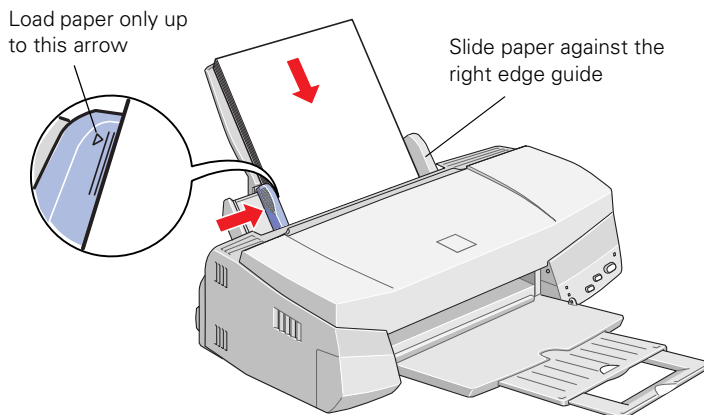
- loading paper
- opening the printer software
- selecting printer software settings
- controlling printing

(To print with Windows, see page 11.)



If you're printing on envelopes or other special paper sizes or types, see page 22 for loading instructions.

Loading Paper



Make sure your printer and computer are turned on.

Place your paper against the right edge guide and slide the left edge guide against the paper.

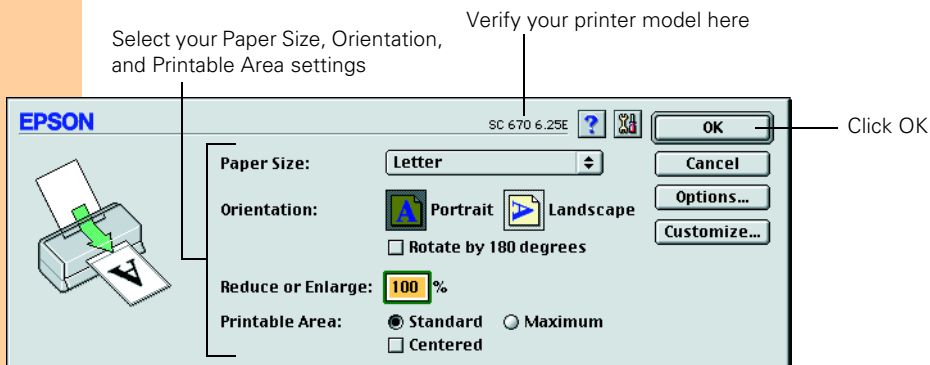
Keep the following in mind when loading paper:

- Load the printable side face up. It's usually whiter or brighter than the other side.
- Load letterhead or preprinted paper into the printer top edge first.
- Don't load paper above the arrow on the left edge guide.

Opening the Printer Software

After you create your document, you're ready to select your page setup and other printer software settings.

From the File menu, click **Page Setup**. You see your application's page setup dialog box (yours may look slightly different):

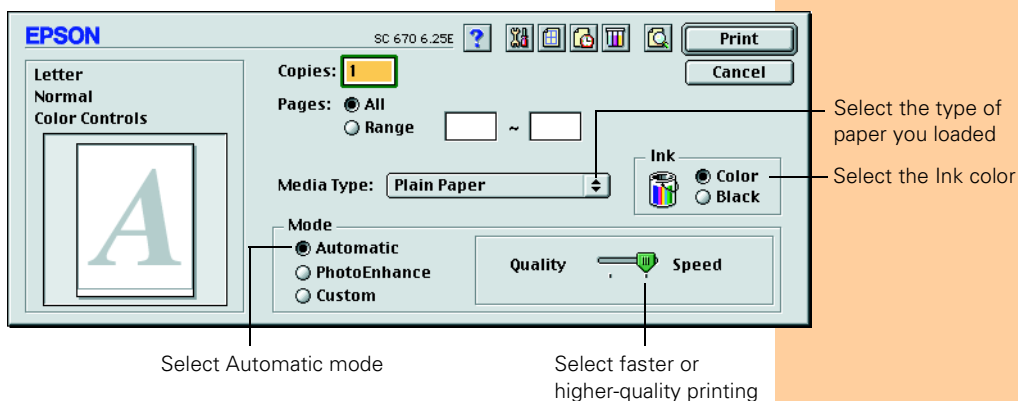


Make the following settings on the page setup dialog box:

- Make sure your printer (SC 670) is selected. (If not, you need to select your printer in the Chooser; see the *Start Here* poster for instructions.)
- Select the correct Paper Size, Orientation, and Printable Area settings for your document. See your electronic *Reference Guide* for details.
- When you've selected your settings, click OK to close the page setup dialog box and return to your application window.

Selecting Printer Software Settings

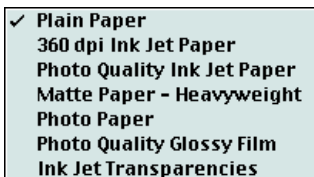
Open the File menu and click Print. You see the main printer settings dialog box (yours may look slightly different):



The most important thing to remember is to set the correct Media Type for the paper you're using. The Media Type setting affects the other options you can choose.

Make the following settings on the dialog box:

- Choose the paper you're printing on (click the arrow button to scroll through the Media Type list). If you're not sure which setting to select, see page 26.
- Set the Ink option to **Color** unless you're printing in black only.
- Set the Mode option to **Automatic**. This lets the printer software determine the best settings for your print job. It's the easiest way to get good printing results on all types of paper.



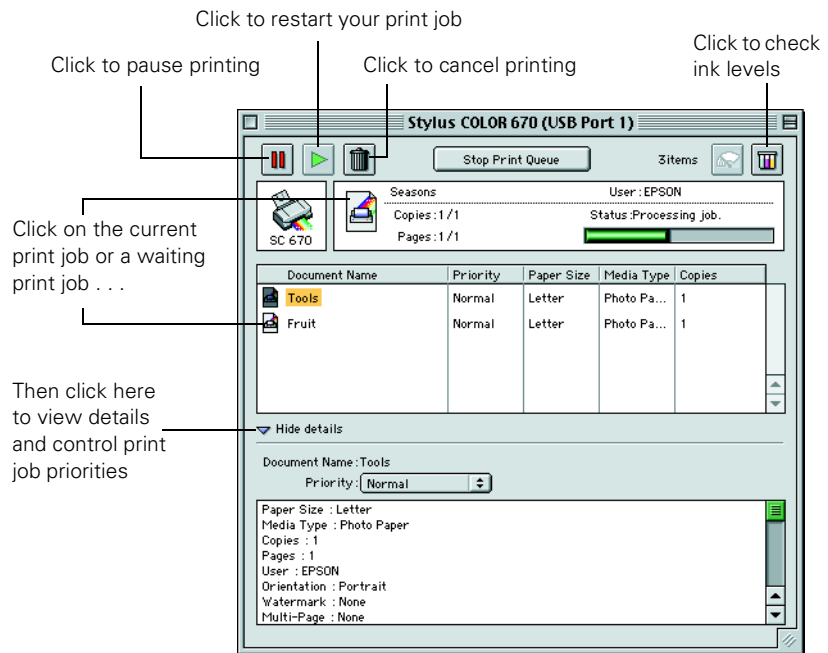
- Set the slider in the Mode box to **Quality** or **Speed**. This lets you choose between a higher resolution or faster printing. (The slider is not available when certain media types are selected.)
- When you've selected your settings, click **Print**.

Controlling Printing

Once you've clicked **Print**, your printer begins printing.

If you turned on background printing in the Chooser, you can use EPSON Monitor3 to check the progress of your print job. Select

 **EPSON Monitor3** from the Application menu at the right side of the menu bar. You see the EPSON Monitor3 dialog box:



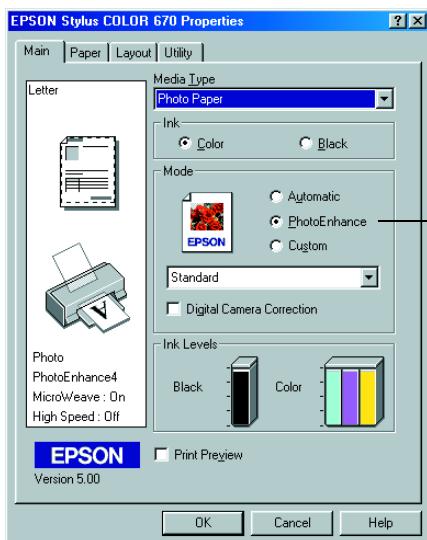
If you're not using background printing, but you need to cancel the current print job, hold down the **⌘** key and press the **.** (period) key.

For more advanced printer settings, see pages 19 through 22. For more information on printing—for example, previewing your printout, changing the paper size, or adding a watermark—see your electronic *Reference Guide* (described on page 3).

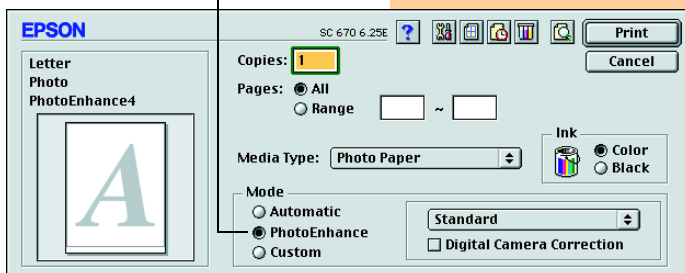
Printing with PhotoEnhance

You can choose PhotoEnhance settings that increase image brightness and contrast to improve the appearance of low-resolution photos. You can also add special effects, such as Soft Focus.

You can select PhotoEnhance from the printer software Main menu:



Windows

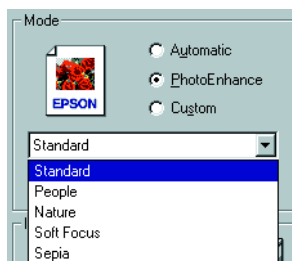


Macintosh

To use PhotoEnhance, you must select **Color** ink. You cannot select PhotoEnhance if **Black** ink is selected.

If your photograph was taken with a digital camera, you can click the **Digital Camera Correction** box. This gives your printed images the appearance of photographs taken with a film camera.

For more fine-tuning, click **Standard**. You see a list of specialized settings for photographs. Select the setting that most closely matches your photograph (**People** or **Nature**) or select one of the special filters (**Soft Focus** or **Sepia**). You may need to experiment with these settings to get the exact look you want, especially if you have multiple images on a page.



For more details on the printer settings, see your electronic *Reference Guide*, as described on page 3, or online help.



PhotoEnhance does not affect your original image; it only affects your printout. Printing with PhotoEnhance may take longer on some systems and images.



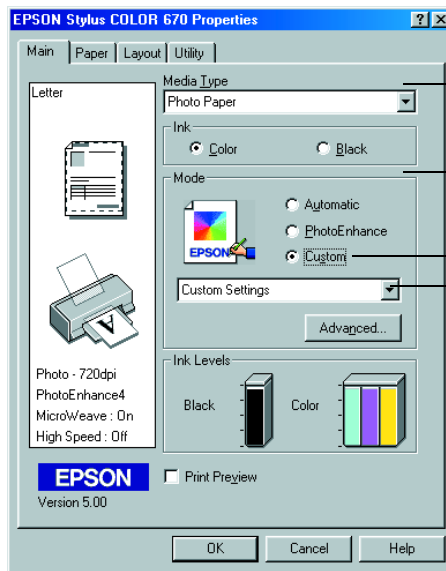
If you're printing high-resolution images, you may want to use the Automatic setting instead; see page 13 (Windows) or page 17 (Macintosh).

You can also make detailed settings on the Advanced dialog box to fit your individual needs, as described on page 21.

Using Custom Project Types

Your EPSON Stylus COLOR 670 printer software includes custom project types with preset options for printing specific types of documents like charts or drafts. You can quickly select the best settings for your particular type of document and paper, or select a color-matching method.

To access custom project types, click **Custom**, then click **Custom Settings**. You see the list of project types.



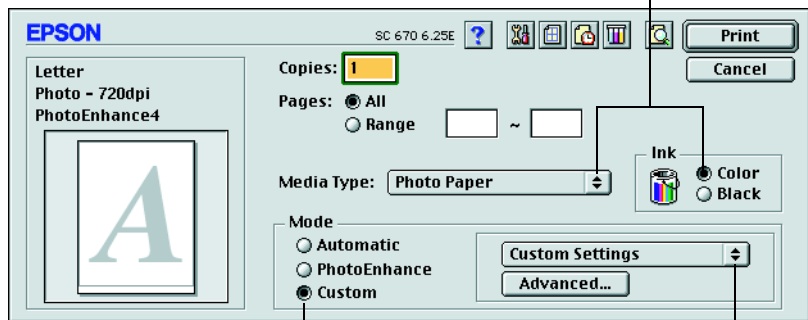
Always choose your Media Type and Ink settings before you select a custom project type

Click Custom, then click here to select a project type

Windows

Always choose your Media Type and Ink settings before you select a custom project type

Macintosh



Click Custom, then click here to select a project type

Choose a project type following these guidelines (these settings are restricted by your Media Type and Ink settings):

- **Text/Graph:** For printing graphics-intensive documents like presentations with charts and graphs.
- **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.
- **sRGB (standard Red Green Blue; 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. See your Windows 98 online help for details.
- **ColorSync (Macintosh only):** For printing documents in conjunction with ColorSync® compatible devices and applications.

For more details on the printer settings, see your electronic *Reference Guide*, as described on page 3, or online help.



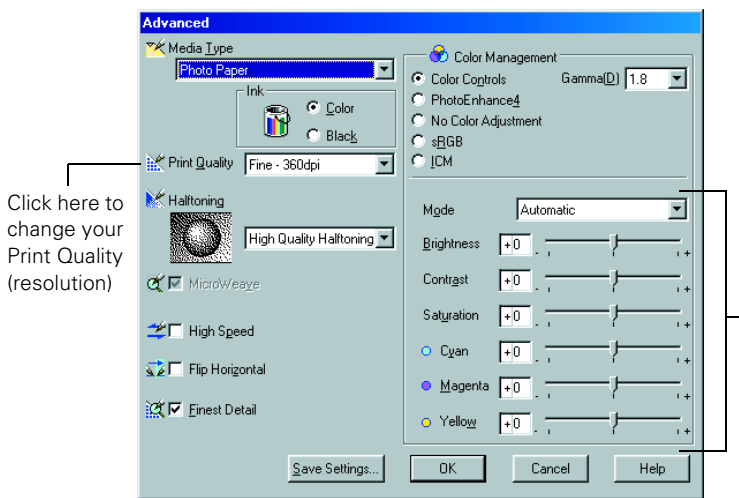
You can also fine-tune these settings on the Advanced dialog box to fit your individual needs, as described in the next section.

Using Advanced Settings

For maximum control over your project, you can customize your print settings—such as Print Quality, Halftoning, and Gamma—and use special effects. To access advanced settings, click **Custom**, and then click the **Advanced** button. You see the Advanced dialog box:



The default Gamma setting of 1.8 provides the optimum contrast quality for your photos. However, you can change it to either 1.5 (for decreased contrast) or 2.2 (for increased contrast; recommended for matching colors with sRGB devices).



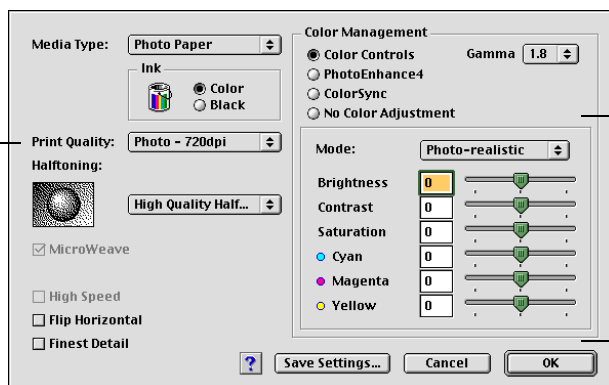
Windows

This section changes depending on the Color Management setting selected

Click here to change your Print Quality (resolution)



After you customize your print settings, you can save them as a group. Then you can reuse them whenever you print a similar project. Click Save Settings in the Advanced dialog box. Type a name for your setting group and click OK.



This section changes depending on the Color Management setting selected above

Macintosh

Select any settings you need to change. Many of the settings are automatically selected by other settings you choose.

For more details on the printer settings, see your electronic *Reference Guide*, as described on page 3, or online help.

Using Special Papers

How can you get the best-looking photos, most vivid colors, and sharpest text? Always use EPSON's special ink jet papers. To show you how much difference EPSON paper can make, we've included some free samples.

Check out the **EPSON Photo Quality Media Pack** that came with your printer. Instructions for printing on the samples, along with other papers, are given in the following sections.

For a list of EPSON special ink jet papers and ordering information, see the inside back cover.



EPSON Photo Quality Ink Jet Paper

EPSON Photo Quality Ink Jet Paper is great for presentation materials and newsletters. Load it as described on page 11. Before you print, select Photo Quality Ink Jet Paper as the Media Type.

Matte Paper - Heavyweight

Matte Paper - Heavyweight has a professional-looking, flat matte finish for printing photos and graphics on a non-glossy surface. Load up to 20 sheets as described on page 11, including a support sheet beneath the stack. Before printing, select **Matte Paper - Heavyweight** as the Media Type setting.

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. Photo Paper is available in a variety of sizes; see the inside back cover for a list and ordering information.

Keep the following in mind when using EPSON Photo Paper:

- Always load the paper with the whiter (glossier) side facing up.
- Load up to 20 sheets of 4 × 6-inch, or letter-size Photo Paper, or 1 sheet of Panoramic paper. Use a support sheet if it is included in the paper package.
- Select **Photo Paper** as the Media Type setting.
- 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.

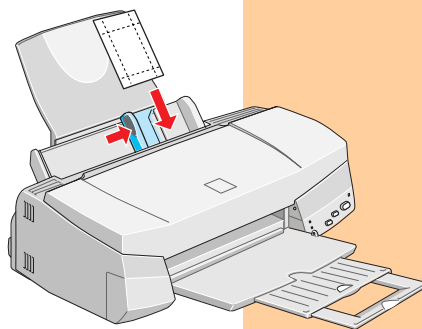
If you're using letter-size Photo Paper, follow the instructions on page 11 to load and print on the paper. If you're using 4 × 6-inch or Panoramic Photo Paper, see the next sections.

4 × 6-inch Photo Paper

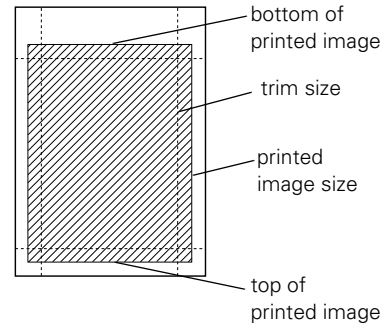
EPSON 4 × 6-inch Photo Paper is micro-perforated around the edges so you can trim your printouts and “bleed” the photo—extend it to the edge of the paper—on all sides.

1. Load the paper against the right edge guide with the glossy side facing up and the perforated margins positioned as shown. Then slide the left edge guide against the paper.

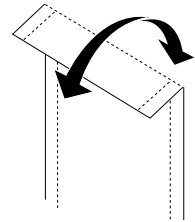
You can load up to 20 sheets at a time, with the included support sheets A and B beneath the stack. (If you don't have the support sheets, use plain paper cut to size.)




2. When you create the image in your application, size it to 4.25×6.25 inches. Or use your printer software's Reduce/Enlarge (Windows) or Fit to Page (Macintosh) settings, as described in your electronic *Reference Guide*.

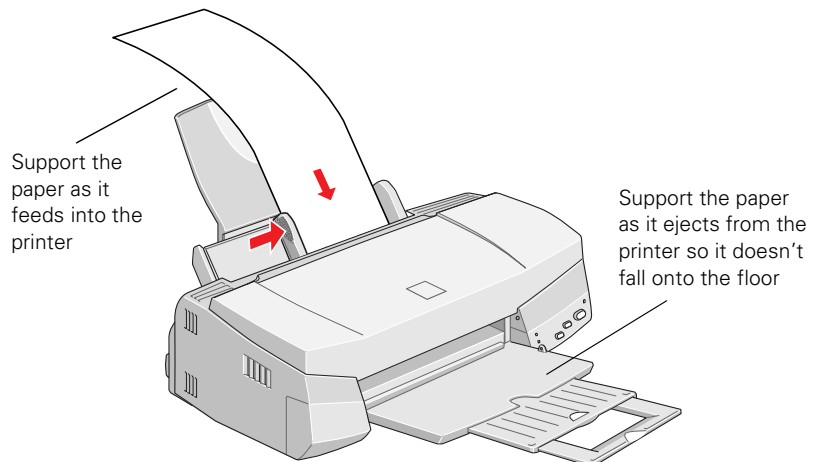


3. Choose **Photo Paper** as the Media Type setting.
4. Choose **Photo Paper 4×6 in** as the Paper Size setting and **Maximum** as the Printable Area setting.
5. After you print your picture, fold the paper back and forth along the perforations and carefully tear off the margins.



Panoramic Photo Paper

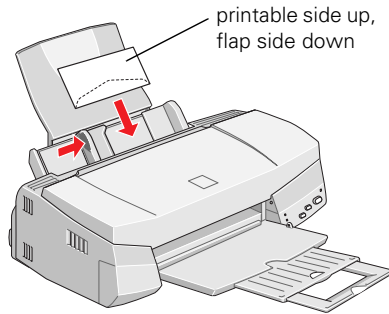
1. Pull up the paper support extension. Load one sheet of Panoramic paper glossy side up.
2. Hold up the paper's top edge and press the  load/eject button to feed it into the printer.



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

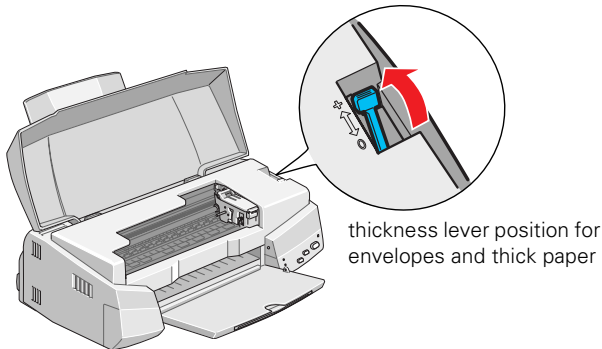
Envelopes

You can load up to 10 envelopes at a time, flap edge first and printable side up. Place them against the right edge guide and slide the left edge guide against them.



(You'll get better results if you press each envelope flat before loading it, or load one envelope at a time.)

Set the thickness lever to the **+** position when you print on envelopes or other thick media. (Return the lever to the **0** position before you print on regular paper.)



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

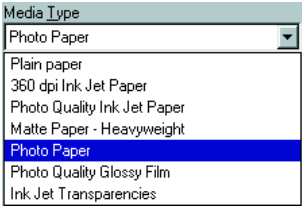
If the printing smears or you have banding (light lines), try turning off **High Speed** printing in the Advanced dialog box. (See page 21 for instructions on accessing the dialog box.)



If any paper you buy comes with a cleaning sheet, don't use the cleaning sheet with this printer; it may jam inside the printer.

Selecting Your Paper

Your printer automatically adjusts itself for the type of paper you select in your printer software. That's why the Media Type setting is so important. It tells your printer what kind of paper you're using and adjusts the ink coverage accordingly.



Before you print, always check your Media Type setting. Here are the settings you should choose for EPSON paper:

For this paper . . .	Select this Media Type setting . . .
Plain paper sheets or envelopes	Plain paper
EPSON 360 dpi Ink Jet Paper EPSON Iron-On Cool Peel Transfer Paper	360 dpi Ink Jet Paper
EPSON High Quality Ink Jet Paper EPSON Photo Quality Ink Jet Paper EPSON Photo Quality Ink Jet Cards EPSON Photo Quality Self Adhesive Sheets	Photo Quality Ink Jet Paper
Matte Paper - Heavyweight	Matte Paper - Heavyweight
EPSON Photo Paper EPSON Photo Quality Glossy Paper	Photo Paper
EPSON Photo Quality Glossy Film EPSON Photo Stickers	Photo Quality Glossy Film
EPSON Ink Jet Transparencies	Ink Jet Transparencies

Maintaining Your Printer

This section describes the most common maintenance procedures to keep your printer working at its best and to prepare it to be moved. Follow the instructions in this chapter for:

- cleaning the print head (below)
- replacing an ink cartridge (on page 30)
- aligning the print head (on page 35)
- cleaning the printer (on page 36)
- transporting the printer (on page 36)

For more details, see your electronic *Reference Guide*, as described on page 3.

Cleaning the Print Head



If your printed image is too light or the image has gaps, 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 do it only if necessary. You can clean the print head in either of the following ways:

- using the Head Cleaning utility (when the printer is connected to a local port, not over a network), as described below
- using the printer's control panel buttons, as described on page 29

Using the Head Cleaning Utility

Follow these steps to run the Head Cleaning utility (the recommended method):

1. Make sure the printer is turned on but not printing, and both the  black and  color ink out lights are off. (If an ink out light is flashing, replace the ink cartridge instead.)




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

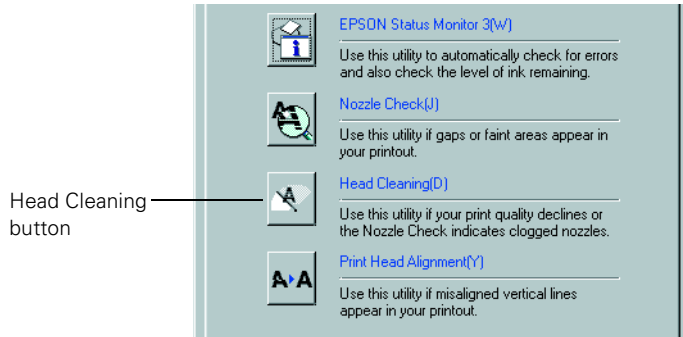
If any paper you buy comes with a cleaning sheet, don't use the cleaning sheet with your printer; it may jam inside the printer.

2. If you have an application running, open the printer settings dialog box as described on page 12 (Windows) or page 16 (Macintosh).

Or, with Windows, click **Start**, point to **Settings**, then select **Printers**. Right-click the **EPSON Stylus COLOR 670** printer icon, then select **Properties** (**Document Defaults** in Windows NT).

3. **Windows:** Click the **Utility** tab.

Macintosh: Click the  **Utility** button.



4. On the Utility menu, click the **Head Cleaning** button.
5. Follow the instructions on the screen to clean the print head. Cleaning takes about 30 seconds, during which the printer makes some noise and the ⏻ power light flashes.
6. When the ⏻ power light stops flashing, run a nozzle check to confirm the print head nozzles are clean.

Make sure paper is loaded in the printer and click **Print nozzle check pattern**. Then click **Next**. The nozzle check pattern prints (see page 30 for details).

7. If the nozzle check pattern has no gaps, click **Finish**.





If the pattern is missing dots, click **Clean** to clean the print head again. If you don't see any improvement after cleaning four or five times, check the solutions in "Problems Getting Good Print Quality" on page 42. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

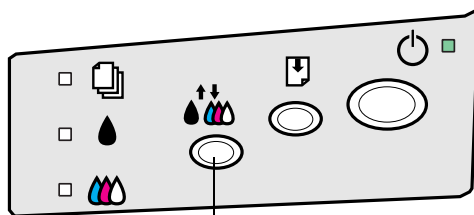


Never turn off the printer while the ⏻ power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.


Using the Control Panel

Follow the steps below to clean the print head. (See page 38 for more control panel information.)

1. Make sure the printer is turned on but not printing, and both the  black and  color ink out lights are off. (If an ink out light is flashing, replace the ink cartridge before continuing.)
2. Press the  cleaning button and hold it down for three seconds. Cleaning takes about 30 seconds, during which the printer makes some noise and the  power light flashes.



cleaning button

3. After the  power light stops flashing, print a page to test the print quality.


If your printer is connected directly to the computer, go to step 4 to run a nozzle check.

If you're printing over a network, open an application and print a short document containing black and color data. Check the quality of your printout, then go to step 8.

4. If you have an application running, open the printer settings dialog box as described on page 12 (Windows) or page 16 (Macintosh).


Or, with Windows, click **Start**, point to **Settings**, then select **Printers**. Right-click the **EPSON Stylus COLOR 670** printer icon, then select **Properties** (**Document Defaults** in Windows NT).

5. **Windows:** Click the **Utility** tab.

Macintosh: Click the  Utility button.

6. Make sure paper is loaded in the printer, click the **Nozzle Check** button, and click **Next**. The nozzle check pattern prints (see the next section for details).



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

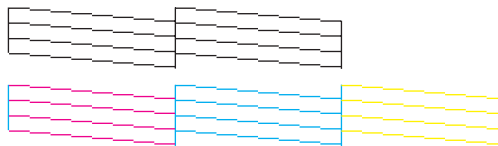
7. If the nozzle check pattern has no gaps, click **Finish**.

If the pattern is missing dots, click **Clean** to clean the print head again.

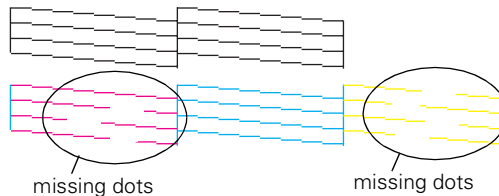
8. If you don't see any improvement after cleaning four or five times, check the solutions beginning on page 42. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

Examining the Nozzle Check Pattern

Examine the nozzle check pattern you print. It should look similar to this:





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 page 27 for instructions.



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

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

Replacing an Ink Cartridge

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.

When an installed ink cartridge is more than six months old, you may also need to replace it if you 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.



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

- Black ink cartridge: S020187
- Color ink cartridge: S020191

When you need new ink cartridges, contact your dealer or call EPSON Accessories at (800) 873-7766 or visit our web site 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” on page 33.

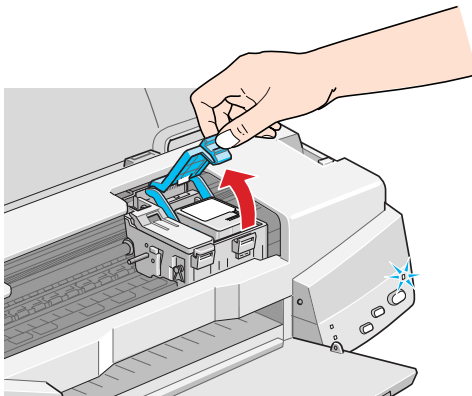
Removing and Installing Ink Cartridges

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 on page 27.)

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

Follow these steps to replace ink cartridges:

1. Make sure the printer is turned on and not printing (the  power light should be on, but not flashing), then open the printer cover.
2. Press the  cleaning button and hold it for about three seconds until the print head moves left and the  power light begins flashing.
3. Pull up the ink cartridge clamp. The cartridge rises up from its holder. (The illustration shows color ink cartridge replacement. To replace the black ink cartridge, lift up only the smaller clamp on the left.)



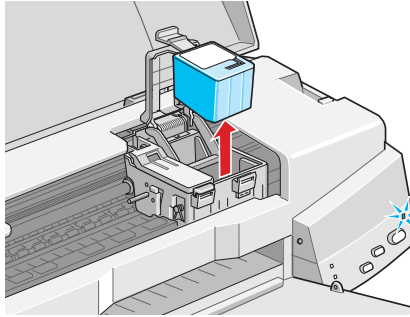
To avoid damaging the printer, never move the print head by hand. Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.



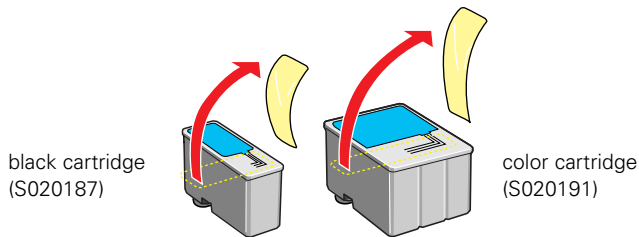
Keep ink cartridges out of the reach of children and do not drink the ink.

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

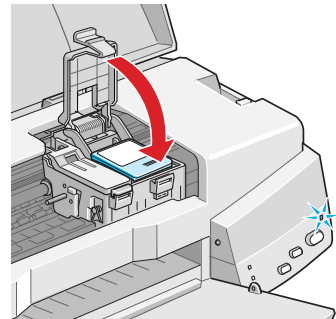
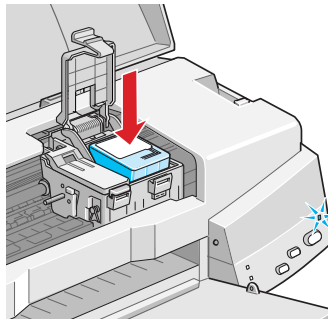
4. Lift the cartridge out of the printer and dispose of it carefully.






5. Unwrap the new ink cartridge. Then remove *only* the yellow part of the tape seal on top.



6. 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, but don't press down on the cartridge itself.




7. If you need to replace the other ink cartridge, repeat steps 3 through 6 before continuing with step 8.
8. 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 noise. Charging takes about 30 seconds. When it's finished, the  power light stops flashing and stays on.





You must remove the yellow tape from the top of the cartridge or you will permanently damage it and a printer error will occur. Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.






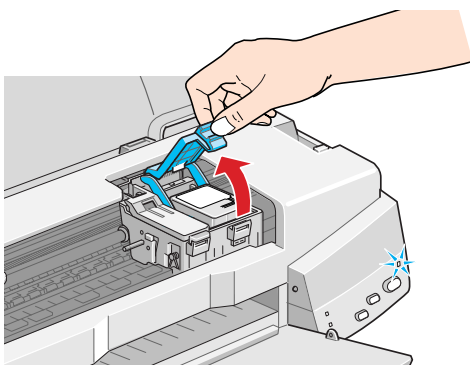
Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

Replacing an Outdated Ink Cartridge

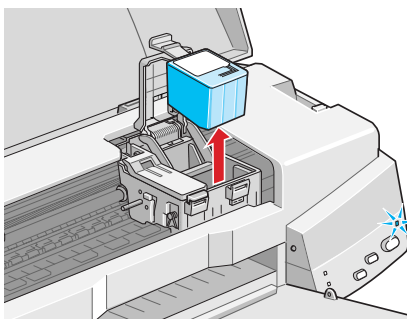
When an installed ink cartridge is more than six months old, you may need to replace it if you notice that your printouts don't look as good as they used to. If print quality doesn't improve after cleaning and aligning the print head, you can replace one or both cartridges.

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

1. Make sure the printer is turned on and not printing (the  power light should be on, but not flashing), then open the printer cover.
2. Press the  load/eject button and hold it for about three seconds until the print head moves left and the  power light begins flashing.
3. Pull up the ink cartridge clamp. The cartridge rises up from its holder. (The illustration shows color ink cartridge replacement. To replace the black ink cartridge, lift up only the smaller clamp on the left.)



4. Lift the cartridge out of the printer and dispose of it carefully.



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.




Keep ink cartridges out of the reach of children and don't drink the ink.

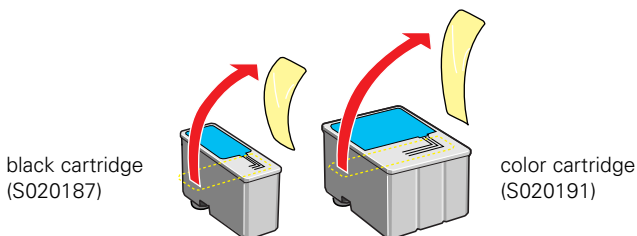
If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.



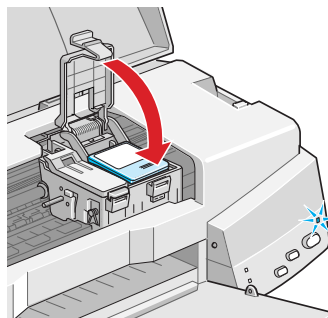
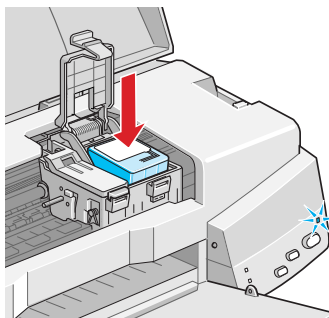
You must remove the yellow tape from the top of the cartridge or you will permanently damage it and a printer error will occur. Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.


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



5. Unwrap the new ink cartridge. Then remove *only* the yellow part of the tape seal on top.



6. 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, but don't press down on the cartridge itself.



7. If you need to replace the other ink cartridge, repeat steps 3 through 7 before continuing with step 9.
8. 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 noise. Charging takes about 30 seconds. When it's finished, the  power light stops flashing and stays on.


Aligning the Print Head

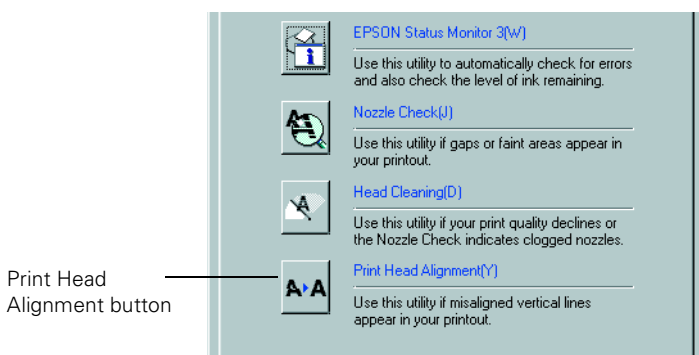
If your printouts contain misaligned vertical lines, you may need to align the print head. Your printer must be connected to a local port, not on a network, to use the Print Head Alignment utility. Follow these steps:

1. Make sure the printer is turned on, but not printing, and letter-size paper is loaded.
2. If you have an application running, access the printer settings dialog box as described on page 12 (Windows) or page 16 (Macintosh).

Or, with Windows, click **Start**, point to **Settings**, then select **Printers**. Right-click the **EPSON Stylus COLOR 670** printer icon, then select **Properties** (**Document Defaults** in Windows NT).

3. **Windows:** Click the **Utility** tab.

Macintosh: Click the  **Utility** button.



4. On the Utility menu, click the **Print Head Alignment** button.
5. Follow the instructions on the screen to print a test page.
6. Select the most precise alignment pattern from the choices on the test page. Enter the number of the best aligned pattern following the instructions on the screen.

You may need to repeat steps 5 and 6 more than once to align your print head completely.



Load paper that's at least 8.27 inches (210 mm) wide to prevent 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. Don't use plain, recycled, or photocopier paper.



Don't touch the gears inside the printer.

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

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

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




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.

Cleaning the Printer

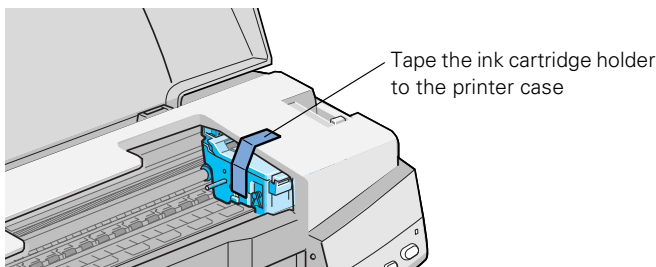
To keep your printer working at its best, you should clean it several times a year. Follow these steps:

1. Turn off the printer and wait for the  power light to go out. Then 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 repack it in its original box. Follow these steps:

1. Turn on the printer, wait until the print head locks in the far right position, then turn off the printer.
2. Unplug the power cord. Then disconnect the printer cable.
3. Remove any paper from the printer and remove the paper support.
4. Open the printer cover. Secure the ink cartridge holder to the printer with tape as shown, 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. After transporting the printer, remove the tape securing the print head and test your printer. If you notice a decline in print quality, clean the print head (see page 27); if output is misaligned, align the print head (see page 35).

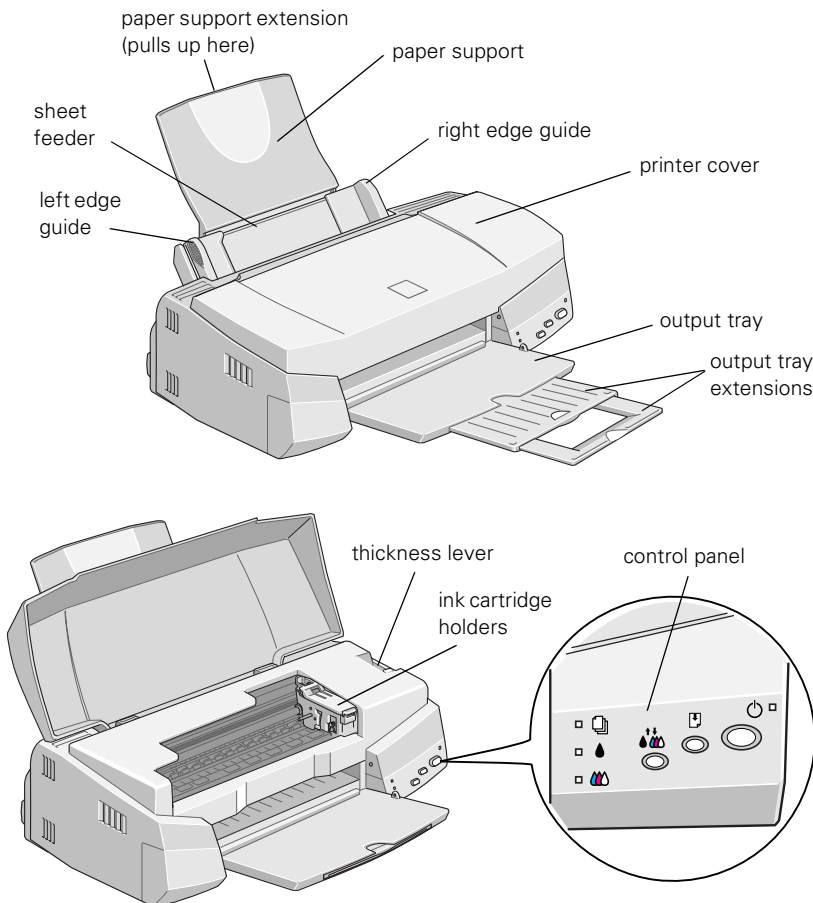
Solving Problems

This section gives you the basics for diagnosing and solving printer problems.

- First see “Diagnosing Printer Problems” on the next page to help determine what the cause of the problem may be.
- Then see “Problems and Solutions” on page 41 for solutions to common setup and software problems.

Identifying Printer Parts

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

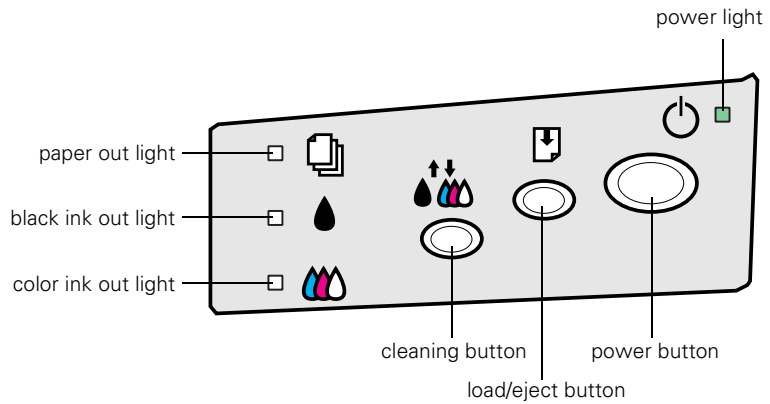


It's a good idea to check EPSON's web site periodically for possible updates to your printer driver. Visit <http://support.epson.com> and check the section for your product to see if there is a new driver available for downloading to your computer.






























Diagnosing Printer Problems

You can diagnose some problems by checking the printer's control panel lights, as described below, or running a printer check, as described on page 40.

Checking the Control Panel Lights







Follow the guidelines on the next page when you check the control panel lights.

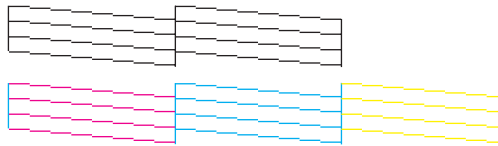
 is on	The  power light is on when the printer is on and ready to print. It flashes when the printer is receiving a print job, charging ink, or cleaning the print head.
 flashes	When the  paper out light flashes, you have a paper jam. Press the  load/eject button to try to clear the jam. If that doesn't work, turn off the printer and gently pull out all the paper. Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Then reload the paper against the right edge guide and slide the left edge guide against it. Turn on the printer and resume printing.
 is on	When the  paper out light comes on, your paper is out or incorrectly loaded. Make sure none of the sheets are curled, creased, old, stuck together, or too thin. Then reload the paper against the right edge guide and slide the left edge guide against it. Press the  load/eject button to resume printing.
 or  flash	When an ink out light flashes, your ink supply is low. Make sure you have a replacement cartridge (black S020187, color S020191).
 or  are on	When an ink out light comes on, you need to replace the ink cartridge. Make sure you have a replacement cartridge (black S020187, color S020191). See page 30 for replacement instructions.
 and  flash and  and  are on	When the  power and  paper out lights flash, and one or both of the ink out lights come on, jammed paper may be blocking movement of the print head or you may not have removed the yellow tape seal from the installed ink cartridge(s). Turn off the printer, open the cover, and check inside for any jammed paper. Then turn the printer back on. If an ink out light remains on and the print head moves into replacement position, replace the ink cartridge(s) as described on page 33. If the lights still flash and/or come on, contact your dealer or EPSON; see page 47 for contact information.
    flash	When all the lights flash, your printer may have an internal error. Make sure you removed all the packing material as described on the unpacking sheet in your printer box. Then turn off the printer, wait a few seconds, and turn it on again. If the lights still flash, contact your dealer or EPSON; see page 47 for contact information.
    are off	When all the lights are off, the printer is not receiving power. Try these solutions: <ul style="list-style-type: none">  Make sure the printer is turned on.  Turn off the printer, plug in the power cord securely, and turn on the printer again.  Make sure the outlet is operable and is not controlled by a switch or timer. If in doubt, try using another outlet.

Running a Printer Check

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

1. Make sure both the printer and computer are turned off.
2. Disconnect the printer cable from the printer.
3. Make sure letter-size 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.

One page is printed showing the ROM version number, ink counter, and a nozzle check pattern. Only the nozzle check pattern is shown below. (If the pattern is missing dots, you need to clean the print head; see page 27.)



5. To end the check, turn off the printer after it prints the check page. Then reconnect the printer cable and turn on your printer and computer.

If the check page prints, the problem probably lies in your software settings, the printer cable, or your computer.

If the check page doesn't print, you may have a problem with your printer.



Try the suggestions in "Problems and Solutions" beginning on page 41. If nothing seems to work, contact your dealer or EPSON as described on page 47.

Problems and Solutions

Here are some basic troubleshooting tips in case you have any problems setting up your printer, installing software, feeding paper, or getting good print quality.

Problems Setting Up the Printer or Installing Software

The printer started making noise after ink cartridge installation.

- The first time you install ink cartridges, the printer must charge its ink delivery system for about two minutes. Wait until charging finishes (the  power light stops flashing) before you turn off the printer. If you turn off the printer while it's charging, it may not charge properly and use more ink than necessary the next time you turn it on.
- Make sure the ink cartridge clamps are locked down completely and that no packing material remains in the printer. Turn off the printer, disconnect it from your computer, and turn it on again to clear the error. Then turn it off, reconnect it, and turn it on again.
- If the printer stops moving or making noise, but the  power light is still flashing after 5 minutes, turn off the printer. If the light is still flashing when you turn it back on, contact your EPSON dealer or see “Where To Get Help” on page 47.

You're having problems installing the printer software.

- Carefully follow the instructions on the *Start Here* poster.
- Make sure your printer cable is securely connected to the printer and computer.
- Make sure you've closed all other applications, including any screen savers and virus protection software. Then try installing the printer software again.

You're printing over a network.

See your electronic *Reference Guide* for instructions on configuring your printer for use on a network.

Problems with Printing

Only the power light is on, but nothing prints.

- Make sure the interface cable is connected securely and that the cable meets the system requirements on page 6.
- Run a printer check as described on page 40. If the check page prints, make sure your printer and application software are installed correctly.
- If you're printing on a network, you need to set up your printer for network printing, as described in your electronic *Reference Guide*.

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

Make sure the print head nozzles are not clogged. To clean the print head, see page 27.

Printing is too slow.

Make sure your system meets the requirements listed on page 6. If you're printing a high-resolution image, you need more than the minimum requirements listed.

You may also need to:

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

If you upgraded from Windows 95 to Windows 98, you may need to uninstall and reinstall your printer software.

For the fastest printing, try the following settings in your printer software:

- Choose **Black** ink if your document doesn't include color.
- Set the Quality/Speed slider to **Speed**.
- In the Advanced dialog box, turn **MicroWeave** off and turn **High Speed** on.

If you're using the parallel port, enable ECP/DMA mode on your computer's parallel port for maximum print speeds. See your computer documentation or contact the manufacturer for instructions.

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

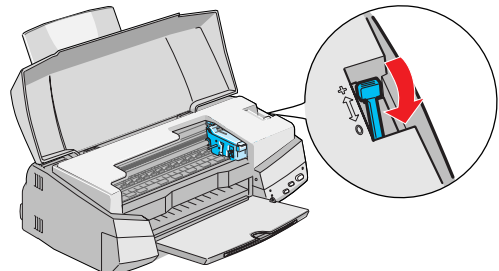
Your printer is performing routine maintenance.

Problems Getting Good Print Quality



You see banding.

- Make sure the print head nozzles are not clogged. To clean the print head, see page 27.
- Make sure the Media Type setting matches the paper you loaded. See page 26 for guidelines.
- Make sure the printable side of the paper is face up. It is usually whiter or shinier.
- Make sure an ink cartridge isn't low on ink. To replace an ink cartridge, see page 30 (if the cartridge is more than six months old, see page 33).
- Check the paper thickness lever position. If it's in the **+** position, your printer is set for thicker paper or envelopes. For most papers, set the paper thickness lever to the **0** position.



- Run the Print Head Alignment utility using EPSON ink jet paper. See page 35 for instructions.
- Try using Automatic mode. See page 13 (Windows) or page 17 (Macintosh) for instructions.
- Turn off **High Speed** printing in the Advanced dialog box.



Your printout is blurry or smeared.

- Make sure your paper isn't damp or loaded face down (the printable side should be loaded face up).
- Use a support sheet with special paper or try loading your paper one sheet at a time.
- Make sure your paper or media meets the specifications listed in your electronic *Reference Guide*.
- Run the Print Head Alignment utility. See page 35 for instructions.
- Check the paper thickness lever position. If it's in the **+** position, your printer is set for thicker paper or envelopes and your image may smear. For most papers, set the paper thickness lever to the **0** position, as shown to the left.



Your printout is faint or has gaps in the image.

- Make sure the print head nozzles are not clogged. To clean the print head, see page 27.
- Check the control panel lights to see if the ink cartridges are low on ink. To replace an ink cartridge, see page 30.
- Make sure the **Media Type** setting matches the paper you loaded. See page 26 for guidelines.
- Make sure your paper isn't damaged, old, dirty, or loaded face down (the printable side should be loaded face up).



You see wrong or missing colors.

- Make sure the Ink setting is set to **Color** for color images and your application is set for color printing.
- Make sure the print head nozzles are not clogged. To clean the print head, see page 27.
- Make sure an ink cartridge isn't low on ink. To replace an ink cartridge; see page 30 (if the cartridge is more than six months old, see page 33).
- If you're printing a high-resolution image, turn off PhotoEnhance.
- Try using Automatic mode. See page 13 (Windows) or page 17 (Macintosh) for instructions.
- Make sure you're not using PhotoEnhance with a special effect that alters image colors, such as Sepia.
- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. For information, see your electronic *Reference Guide*.

You see incorrect characters.


- Make sure the interface cable is securely connected and meets the system requirements on page 6.
- Make sure your printer is selected in your application, or as the Windows default printer or the current printer in the Macintosh Chooser.
- If you're using a switch box, connect the printer directly to your computer and try printing again.

Your printout is grainy.

- Try using a higher quality paper.
- Set the Quality/Speed slider to the **Quality** setting in your printer software; see page 13 (Windows) or page 17 (Macintosh).
- Run the Print Head Alignment utility. See page 35 for instructions.
- You may need to increase the image resolution or print it in a smaller size; see your software documentation.

Problems with Paper Feeding

Paper doesn't eject fully or is wrinkled.


- If the paper doesn't eject fully, you may have set the wrong paper size. Press the  load/eject button to eject the paper. Then select the correct paper size in your application or printer software.
- If it's wrinkled when it ejects, the paper may be damp or too thin.

Too many copies are printing.

Make sure the **Copies** settings in the printer software and your application aren't both set for multiple copies.

Paper doesn't feed.

Remove the stack of paper from the sheet feeder. Check that the paper:

- Isn't curled or creased
- Isn't too old
- 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.)

When you reload the paper, make sure the left edge guide fits the paper, but not too tightly.

Paper jams inside the printer.

Turn off your printer, open the cover, and remove all the paper that's inside, including any small pieces that may have torn off.

If your paper jams frequently:

- 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 slide the left edge guide against your paper.

Multiple pages feed at once.

Remove the paper from the printer, then:

- Make sure the paper isn't too thin.
- Fan the edges of the stack of paper to separate the sheets.
- Reload the paper as described on page 11.
- Make sure the edge guides fit against the paper, but not too tightly.

Solving Miscellaneous Printout Problems

The margins are incorrect.

- Make sure the paper settings in your printer software are correct for your paper size. See the electronic *Reference Guide* for instructions.
- Check your software documentation for instructions on selecting the correct margins for your paper size. The margins must be within the printable area of the page. See "Specifications" in your electronic *Reference Guide* for more information.

The image size or position is incorrect.

Make sure the paper and/or layout options are set correctly.

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

Turn off **Flip Horizontal** in the printer software or the mirror setting in your application software. (If you're printing on EPSON Iron-On Cool Peel Transfer Paper, the image *should* be inverted so it looks correct when it's ironed on.)




The printer prints blank pages.

- Make sure the paper settings in the printer software are correct for your paper size. See your electronic *Reference Guide* for instructions.
- Make sure the print head nozzles are not clogged. To clean the print head, see page 27.


Uninstalling and Reinstalling Printer Software

If you need to uninstall and then reinstall your printer software, such as when you upgrade your computer operating system, follow these steps:

Windows

1. Double-click  **My Computer**, then double-click the  **Control Panel** icon.
2. Double-click  **Add/Remove Programs**.
3. Click **EPSON Printer Software**, then click the **Add/Remove** button.
4. Select the **EPSON Stylus COLOR 670** printer icon and follow the instructions on screen.
5. If you're using the USB port, click **EPSON USB Printer Devices** in the program list. Then click the **Add/Remove** button and follow the instructions on screen.
6. Restart your computer.

Macintosh

1. Insert your printer software CD-ROM in a CD-ROM or DVD drive.
2. Double-click the EPSON CD-ROM icon, if necessary. Then double-click the  **EPSON** icon in the CD-ROM folder. You see the Main Menu.
3. Click **Install Printer Driver**.
4. On the installer screen, click the arrow in the Easy Install list at the top and select **Uninstall**. Then click the **Uninstall** button at the bottom and follow the instructions. When you're finished, click **OK**, then click **Quit**.
5. Restart your Macintosh.

Reinstalling Printer Software

Before reinstalling your printer software, first uninstall it as described above. Then follow the instructions on the *Start Here* poster to reinstall your software. (You won't need to reinstall the creative software or EPSON documentation.)

Where To Get Help

If you need help with your printer or its software (or EPSON Software Film Factory), see the contact information below. If you need help using the creative software that came with your printer, see the next page. For help using any other software on your system, see the documentation for that software for technical support information.

EPSON Technical Support

EPSON provides technical assistance 24 hours a day through the electronic support services and automated telephone services listed in the following table:

Service	Access
World Wide Web	From the Internet, you can reach EPSON Support at http://support.epson.com . At this site, you can download drivers and other files, look at documentation such as product brochures and user manuals, and access troubleshooting information.
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 E-Mail Technical Support	To receive technical advice through e-mail, go to http://support.epson.com and complete the form under the troubleshooting tab, as requested.
Automated Telephone Services	A variety of automated help services are available 24 hours a day, seven days a week. To use these services, you must have a touch tone phone and call (800) 922-8911 .

To speak directly to a technical support representative, dial:

- U.S.: **(562) 276-7533**, 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday. Toll or long distance charges may apply.
- Canada: **(905) 709-2567**, 6 AM to 6 PM, Pacific Time, Monday through Friday. Toll or long distance charges may apply.

Before you call, please have the following information ready:

- Product name (EPSON Stylus COLOR 670)
- Product serial number (located on the back of the printer)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

EPSON Accessories

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

Creative Software Technical Support

If you need help with the creative software on the printer software CD-ROM, please contact the manufacturer, as listed below:

Contact method	ArcSoft PhotoImpression	Trellix Web	Stamps.com	EarthLink
Phone	(510) 440-9901 8:30 AM to 5:30 PM Pacific Standard Time	(503) 684-4647 8 AM to 12 PM Eastern Standard Time	(888) 434-0055	technical support: (800) 890-5128 customer service: (800) 890-6356
Fax	(510) 440-1270	—	—	—
Internet	e-mail: support@arcsoft.com web site: http://www.arcsoft.com	http://support.trellix.com	www.stamps.com/support	support@earthlink.net
Mail	ArcSoft Technical Support 46601 Fremont Blvd. Fremont, CA 94538	—	—	—

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FCC Compliance Statement

For United States Users

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

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

WARNING

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

For Canadian Users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

DECLARATION of CONFORMITY

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

We: EPSON AMERICA, INC.

Located at: 3840 Kilroy Airport Way
MS: 6-43
Long Beach, CA 90506-2469
Telephone: (562) 290-3254

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

Trade Name: EPSON
Type of Product: Ink Jet Printer
Model: P114A

How To Order EPSON Ink and Paper

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

Ink Cartridges: Black S020187
 Color S020191

EPSON Papers

Paper name	Size	Part number
EPSON 360 dpi Ink Jet Paper	Letter (8.5 x 11 inches)	S041060
	A4 (8.3 x 11.7 inches)	S041059
EPSON High Quality Ink Jet Paper	Letter (8.5 x 11 inches)	S041111
	A4 (8.3 x 11.7 inches)	S041117
EPSON Photo Quality Ink Jet Paper	Letter (8.5 x 11 inches)	S041062
	A4 (8.3 x 11.7 inches)	S041061
	Legal (8.5 x 14 inches)	S041067
EPSON Photo Quality Ink Jet Cards	A6 (4.1 x 5.8 inches)	S041054
EPSON Photo Paper	4 x 6 inches	S041134
	Letter (8.5 x 11 inches)	S041141
	A4 (8.3 x 11.7 inches)	S041140
	Panoramic (8.3 x 23 inches)	S041145
EPSON Photo Stickers Kit (CD-ROM/paper)	A6 (4.1 x 5.8 inches)	S041144-KIT
EPSON Photo Stickers (refill)	A6 (4.1 x 5.8 inches)	S041144
EPSON Photo Quality Glossy Film	Letter (8.5 x 11 inches)	S041072
	A4 (8.3 x 11.7 inches)	S041071
	A6 (4.1 x 5.8 inches)	S041107
EPSON Ink Jet Transparencies	Letter (8.5 x 11 inches)	S041064
EPSON Photo Quality Self Adhesive Sheets	A4 (8.3 x 11.7 inches)	S041106
EPSON Iron-On Cool Peel Transfer Paper	Letter (8.5 x 11 inches)	S041153/S041155
EPSON Photo Quality Glossy Paper	Letter (8.5 x 11 inches)	S041124
	A4 (8.3 x 11.7 inches)	S041126
EPSON Matte Paper - Heavyweight	Letter (8.5 x 11 inches)	S041257

EPSON Ink Jet Papers

Use EPSON paper and inks to get the same photo quality results that earn EPSON printers all of their awards! EPSON papers are specially coated to work with EPSON quick drying inks. You'll notice that when prints come out of your printer, you can immediately handle them. There is no drying time, no smearing or smudging, and your image is clean and smooth. Here are just a few of EPSON's papers:

Photo Quality Ink Jet Paper

Bright white, with a smooth matte finish to create your best impression. Perfect for presentations, newsletters, color reproductions, and all your photo and craft projects.



Photo Quality Glossy Film

Durable, bright white film sheets with the highest-gloss finish. Perfect for printing professional quality, high-resolution photographs of all your digital images.



Photo Paper and Panoramic Photo Paper

Photo lab quality, heavier weight glossy paper available in a variety of sizes. Perfect for color photo keepsakes of snapshots, framed art, banners, and panoramics.



Iron-On Cool Peel Transfer Paper

Transfer your designs and photographs onto T-shirts or other cloth items. Perfect for ironing onto team T-shirts, canvas bags, crafts, and gifts.



See the inside back cover for a list of EPSON papers and ordering information.