Epson Stylus CX5000 Parts

Document cover

Document table

Memory card slots

Output tray and extension

Paper support extension

Paper support

Feeder guard

Left edge guide

Memory card cover

USB external device connector (camera only)

Scanner

Ink cartridges

Control panel (button and lights)

Paper thickness lever

AC inlet

USB port

Accessories

Ink Cartridges

Color	Part number	T code number
Black	69	T069120
	68 (High Capacity)	T068120 (High Capacity)
Cyan	69	T069220
Magenta	69	T069320
Yellow	69	T069420

Media

Paper name	Size	Part number
Epson Ultra Premium Photo Paper Glossy Epson Ultra Premium Glossy Photo Paper	Borderless 4 x 6 inches	S041934
	Letter (8.5 x 11 inches)	S041935
Epson Premium Bright White Paper	Letter (8.5 x 11 inches)	S041586
Epson Premium Photo Paper Glossy Epson Premium Glossy Photo Paper	Borderless 4 x 6 inches	S041808 S041727
	Borderless 5 x 7 inches	S041464
	Borderless 8 x 10 inches	S041465
	Letter (8.5 x 11 inches)	S041286 S041667
Epson Premium Photo Paper Semigloss Epson Premium Semigloss Photo Paper	Letter (8.5 × 11 inches)	S041331

Paper name	Size	Part number
Epson Photo Paper Glossy Epson Glossy Photo Paper	4 × 6 inches	S041134 S041671 S041458 S041809
	Letter (8.5 × 11 inches)	S041141 S041649 S041271 S041272
Epson Premium Presentation Paper Matte Epson Matte Paper Heavyweight	Letter (8.5 × 11 inches)	S041257
	Borderless 8 × 10 inches	S041467
Epson Premium Presentation Paper Matte Double-Sided Epson Double-Sided Matte Paper	Letter (8.5 × 11 inches)	S041568
Epson Presentation Paper Matte Epson Photo Quality Ink Jet Paper	Letter (8.5 x 11 inches)	S041062
	Legal (8.5 x 14 inches)	S041067
	A4 (8.3 x 11.7 inches)	S041061

Specifications

Printing

Printing method	On-demand ink jet
Nozzle configuration	Black: 90 nozzles Color: 270 nozzles (90 each cartridge: cyan, magenta, yellow)
Print direction	Bidirectional with logic seeking

Ink Cartridges

Color	Cyan, magenta, yellow, black
Cartridge life	6 months at 77 °F (25 °C) after opening the package
Temperature	Storage: –4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C) Freezing*: 3.2 °F (–16 °C)

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

Caution:
To ensure good results, use genuine Epson ink cartridges and do not refill them. Other products may cause damage to your printer not covered by Epson's warranty. Do not use an ink cartridge if the date on the package has expired.

Paper

Note:
Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, Epson cannot guarantee the quality of any non-Epson brand or type of paper. Always test a sample of paper stock before purchasing large quantities or printing large jobs.

Single sheets

Size	A4 (8.3 × 11.7 inches) A5 (5.8 × 8.3 inches) A6 (4.1 × 5.8 inches) Letter (8.5 × 11 inches) Legal (8.5 × 14 inches) Half-letter (5.5 × 8.5 inches) 4 × 6 inches 5 × 7 inches 3.5 × 5 inches 8 × 10 inches User Defined up to 8.5 × 44 inches
Paper type	Plain bond paper or special paper distributed by Epson
Thickness	0.003 to 0.005 inch (0.08 to 0.13 mm)
Weight	17 lb (64 g/m²) to 24 lb (90 g/m²) (for plain bond paper)

Envelopes

|	
Size	No. 10 (4.1 × 9.5 inches)
Paper type	Plain bond paper
Weight	20 lb (75 g/m²) to 24 lb (90 g/m²)

Note:
Poor quality paper may reduce the print quality and cause paper jams or other problems. If you have print quality problems, switch to a higher grade paper.
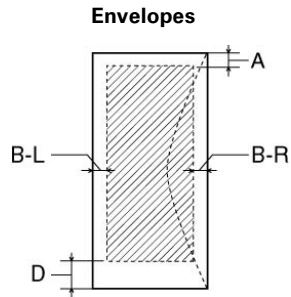
Do not load curled or folded paper.

Use paper only under these conditions:
Temperature: 59 to 77 °F (15 to 25 °C)
Humidity: 40 to 60% RH

Printable Area

Single sheets
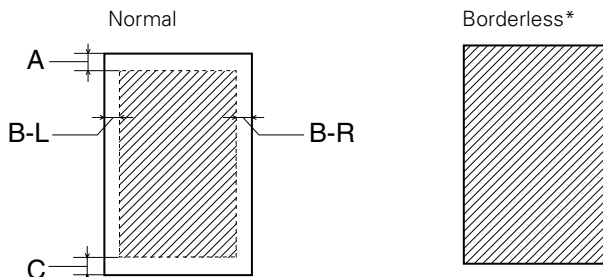
* When printing with the borderless feature, print quality may decline in the expanded area. Before printing large jobs using the borderless setting, print a single sheet to confirm printout quality.

Envelopes

A: The minimum top margin is 0.12" (3.0 mm).

B-L: The minimum left margin is 0.12" (3.0 mm); 0.20" (5.0 mm) for envelopes.

B-R: The minimum right margin is 0.12" (3.0 mm); 0.20" (5.0 mm) for envelopes.

C: The minimum bottom margin is 0.12"(3.0 mm).

D   The minimum bottom margin is 0.78" (20 mm) for envelopes.

Note:
Always load paper into the sheet feeder with the short edge first. Load envelopes flap edge left with the flap side down.

Scanning

Scanner type	Flatbed color
Photoelectric device	CIS
Effective pixels	10,200 × 14,040 pixels at 1200 dpi
Document size	216 × 297 mm (8.5 × 11.7 inches) A4 or US letter size
Scanning resolution	1200 dpi (main scan) 2400 dpi with Micro Step (sub scan) 48 bit (input) 24 bit (output)
Output resolution	50 to 4800, 7200, and 9600 dpi (50 to 4800 dpi in 1 dpi increments)
Scanning speed	B/W: Approx. 10 msec per line at 1200 dpi Color: Approx. 30 msec per line at 1200 dpi
Image data	16 bits per pixel per color internal 8 bits per pixel per color external (maximum)
Interface	One USB 2.0 Hi-Speed or USB 1.1 port
Light source	RGB three color LED

Mechanical

Paper path	Sheet feeder, top entry
Sheet feeder capacity	About 100 sheets at 17 lb (64 g/m²)
Dimensions	Width: 16.9 inches (430 mm) Depth: 13.9 inches (354 mm) Height: 7.1 inches (181 mm)
Weight	14.3 lb (6.5 kg) without the ink cartridges

Electrical

Input voltage	90 to 132 V
Rated frequency	50 to 60 Hz
Rated current	0.4 A (0.7 A max)
Power consumption	Approx. 13 W (operating) Approx. 4.5 W in low-power mode Approx. 4.0 W in sleep mode Approx. 0.2 W in power-off mode

Environmental

Temperature	Operation: 50 to 95 °F (10 to 35 °C) Storage: –4 to 104 °F (–20 to 40 °C)
Humidity	Operation: 20 to 80% RH Storage: 5 to 85% RH (without condensation)

USB Interface

Standard	Based on Universal Serial Bus Specifications Revision 2.0
Bit rate	480 Mbps (High speed device)
Adaptable connector	USB Series B
Cable length	Under 6.6 feet (2 meters)

Safety Approvals

Safety	UL 60950-1 CSA C22.2 No. 60950-1
EMC	FCC part 15 Subpart B class B CAN/CSA-CEI/IEC CISPR 22 Class B

Memory Card Slots

Compatible memory cards	CompactFlash™ Memory Stick™ Memory Stick PRO™ Memory Stick Duo™* Memory Stick PRO Duo™* MagicGate® Memory Stick

MagicGate Memory Stick Duo*
Microdrive™
SD™ (Secure Digital)
SDHC
miniSD™*
miniSDHC*
microSD*
microSDHC*
MultiMediaCard
xD-Picture Card™
xD-Picture Card Type M
xD-Picture Card Type H

Voltage requirements	3.3 V Maximum current is 500 mA

* Adapter required

Memory Card Slot Compatibility

CF Type II card slot	Compatible with CF+ and CompactFlash Specification 3.0 cards
Memory Stick/ MemoryStick PRO card slot	Compatible with Memory Stick Standard version 1.42-00 or Memory Stick Standard Memory Stick PRO Format Specifications version 1.02-00 cards
SD/MMC card slot	Compatible with SD Memory Card Specifications / PART1. Physical Layer Specification Version 2.00 cards and MultiMediaCard Standard Version 4.1 cards
xD-Picture card Slot	Compatible with xD-Picture card Card Specification Version 1.20 cards

Memory Card Image File Requirements

Media format	DCF version 1.0 or 2.0 compliant*
File format	JPEG Supports Exif version 2.21
Image size	80 × 80 pixels to 9200 × 9200 pixels
Number of files	Up to 999

* DCF is the "Design rule for Camera File system" standard

Loading Paper

Single Sheets

1. Open the paper support and slide out the extensions.
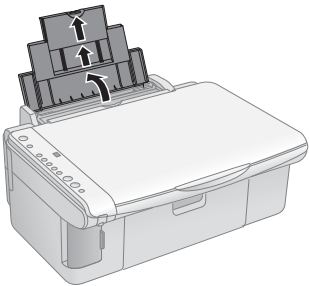
2. Open the output tray and pull out the extension.
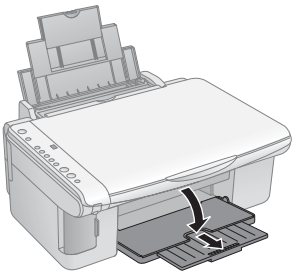
3. Flip the feeder guard forward.
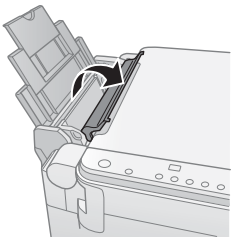
4. Insert the paper, printable side up, against the right edge guide and beneath the tabs. (The printed side is whiter or brighter on some papers.) Always load paper short edge first, even for landscape printing.

Place paper beneath the tabs
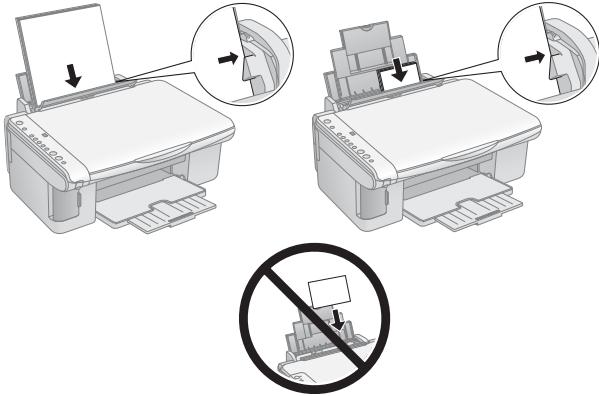
You can load up to 100 sheets of plain paper and up to 20 sheets of photo or matte paper. (See page 6 for capacity guidelines on other paper types.)

Note:
The type of paper you choose affects the way your printout looks, so be sure to select the correct paper for your job. If you are just making a copy or printing a rough draft of an image, plain paper is fine. However, for the best results, you'll want to use one of Epson's special ink jet papers designed for your printer. For example, your photos will look great printed on Epson Ultra Premium Photo Paper Glossy (see page 1 for more information).

5. Slide the left edge guide against the left edge of the paper (but not too tightly).
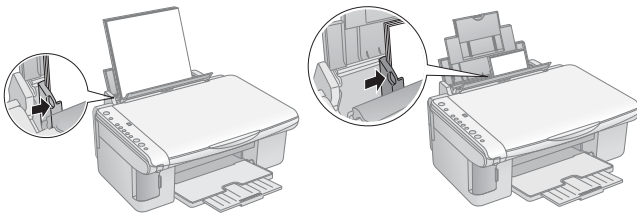
6. Flip the feeder guard back.
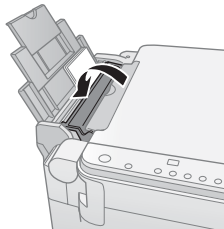
Follow these guidelines when loading paper:

❏ Don't load paper above the arrow on the left edge guide. Make sure the paper is under the tabs on the left and right edge guides.

❏ Load the printable side face-up. It's often brighter or whiter than the other side.

❏ Always load the short edge first, even when printing in landscape mode.

❏ Load letterhead or preprinted paper into the printer top edge first.

❏ If you experience paper feeding problems, try loading fewer sheets.

❏ If you're using special paper, check the package for special loading instructions.
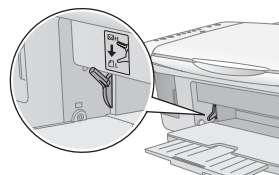
Envelopes

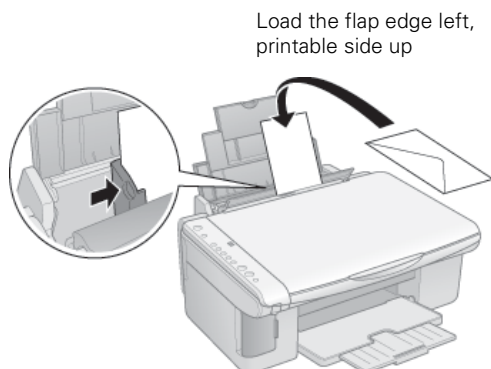1. Open the paper support and slide out the extensions.
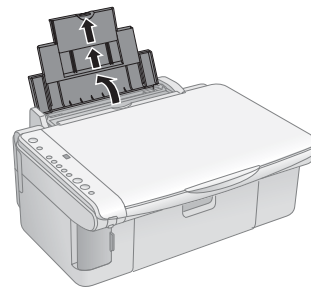
2. Open the output tray and pull out the extension.
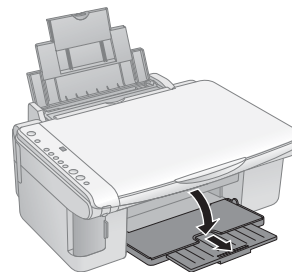
3. Set the paper thickness lever to the ☒ H position.

4. Load up to 10 envelopes at a time, flap edge left, printable side up, against the right edge guide.

Load the flap edge left, printable side up

Note:
For best results, press each envelope flat before loading, or load one envelope at a time.

5. Slide the left edge guide against the envelopes (but not too tightly).

6. Flip the feeder guard back.

Select the following settings when printing on envelopes:

❏ **Envelope** as the paper Type or Media Type setting

❏ The correct envelope size as the Size or Paper Size setting

❏ **Landscape** as the Orientation setting

Paper Loading Capacity

When loading Epson ink jet papers, follow these capacity guidelines:

Paper type	Loading capacity
Epson Premium Bright White Paper	80 sheets
Epson Ultra Premium Photo Paper Glossy Epson Ultra Premium Glossy Photo Paper Epson Premium Photo Paper Glossy Epson Premium Glossy Photo Paper Epson Premium Photo Paper Semigloss Epson Premium Semigloss Photo Paper Epson Photo Paper Glossy Epson Glossy Photo Paper Epson Premium Presentation Paper Matte Epson Matte Paper Heavyweight Epson Premium Presentation Paper Matte Double-Sided Epson Double-Sided Matte Paper	20 sheets
Epson Presentation Paper Matte Epson Photo Quality Ink Jet Paper	100 sheets

Selecting the Correct Media Type

The table below lists the settings you should choose for your paper in the printer software:

Paper	Type or Media Type setting
Plain paper Epson Premium Bright White Paper	Plain Paper / Bright White Paper
Epson Ultra Premium Photo Paper Glossy Epson Ultra Premium Glossy Photo Paper	Ultra Premium Photo Paper Glossy
Epson Premium Photo Paper Glossy Epson Premium Glossy Photo Paper	Premium Photo Paper Glossy
Epson Photo Paper Glossy Epson Glossy Photo Paper	Photo Paper Glossy
Epson Premium Photo Paper Semigloss Epson Premium Semigloss Photo Paper	Premium Photo Paper Semi-Gloss
Epson Premium Presentation Paper Matte Epson Matte Paper Heavyweight Epson Premium Presentation Paper Matte Double-Sided Epson Double-Sided Matte Paper Epson Presentation Paper Matte Epson Photo Quality Ink Jet Paper	Premium Presentation Paper Matte
Envelopes	Envelope

Placing Originals on the Glass

Caution:
Do not place heavy objects on the document table glass and do not press the glass with too much force.

1. Open the document cover and place your original face-down on the glass, in the upper left corner.
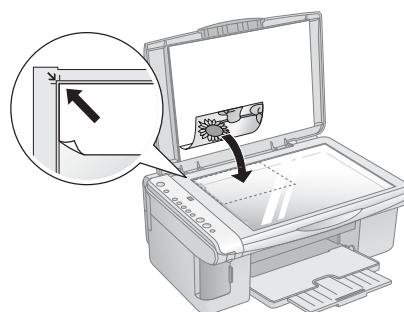
2. Close the document cover gently so that your original does not move.

Caution:
Never open the document cover beyond where it stops and do not place heavy objects on top of the CX5000 Series.

Placing Large or Thick Documents

When you scan a large or thick document, you can remove the document cover. Just open it and pull it straight up.
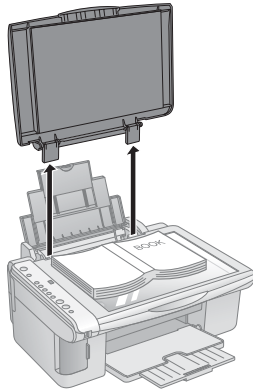
If you need to press the document flat while you copy or scan it, do not press too hard and be careful not to move it.

Caution:
Do not use excessive force on the document cover, and do not twist it diagonally. You may damage the document cover.

When you are done, replace the document cover by inserting the tabs back into the slots.

Copying

You can make copies using letter-size (8.5×11-inch), 4×6-inch, and 5×7-inch plain, photo, or matte paper.

Copying a Document

1. Make sure the CX5000 Series is turned on.

2. Place the document on the glass as described to the left. Be sure to close the document cover.

3. Load up to 100 sheets of letter-size plain paper (see page 4 if you need instructions.)

4. Press the Copies button until you see the desired number of copies in the Copies window. You can select up to 9 copies at a time this way.

   To make 10 or more copies, see page 8.

5. Press the paper type button to select Plain Paper. The light indicates which type is selected.

6. Press the paper size button to select Letter.

7. If you want your copies automatically reduced or enlarged to fit the selected paper size, press the Fit to Page button.

8. To make a color copy, press the ◇ Start Color button.

   To make a black and white copy, press the ◇ Start B&W button.

The On light flashes and after a moment the CX5000 Series starts printing.

If you need to stop copying, press the ⊘ Stop button. Do not pull out paper that is being printed; it will be ejected automatically to the output tray.

Note:
The copies may not be exactly the same size as the original.
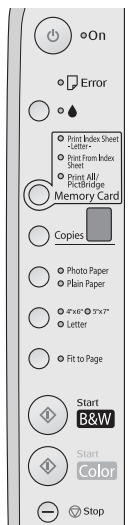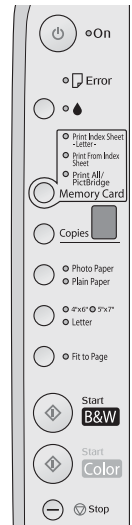
Copying a Photo

1. Make sure the CX5000 Series is turned on.

2. Place the photo on the glass as described on page 6. Be sure to close the document cover.

3. Load up to 20 sheets of letter-size, 4 × 6-inch, or 5 × 7-inch photo or matte paper. (See page 4 if you need instructions.)

4. Press the Copies button until you see the correct number of copies in the Copies window. You can select up to 9 copies at a time this way.

   To make 10 or more copies, see the next section.

5. Press the paper type button to select Photo Paper.

6. Press the paper size button to select Letter, 4"x 6", or 5"x 7".

7. If you want borderless photos (printed without a white border), press the Fit to Page button. Otherwise, photos are printed with a small white border.

8. To make a color copy, press the ◇ Start Color button.

To make a black and white copy, press the ◈ Start B&W button.

The On light flashes and after a moment the CX5000 Series starts printing.

If you need to stop copying at any time, just press the ◉ Stop button. Do not pull out paper that is being printed; it will be ejected automatically to the output tray.

Note:
The copies may not be exactly the same size as the original.

Making 10 or More Copies

1. Make sure the CX5000 Series is turned on.

2. Place the photo on the glass as described on page 6. Be sure to close the document cover.

3. Press the Copies button until you see "–" in the Copies window. This tells the CX5000 Series to print up to 100 copies.

4. Load enough paper for the number of copies (up to 100 sheets of plain paper) you want to make. For example, to print 12 copies, load 12 sheets of paper.

5. Press the paper type button to select Plain Paper or Photo Paper.

6. Press the paper size button to select Letter, 4"x 6", or 5"x 7".

7. Press the ◈ Start Color or ◈ Start B&W button.

   The CX5000 Series makes copies until it runs out of paper. Then the red ◱ Error light comes on.

8. To make more copies, load more paper and press the ◈ Start Color button to resume.

   If you don't need any more copies, press the ◉ Stop button.

Note:
When making a lot of copies, it is a good idea to remove the printed copies from the output tray after every 10 sheets or so.

Making a Quick Copy

If you want to make a copy quickly and do not need high quality, you can print a "draft" copy. The print quality is reduced, but the copy is printed faster.

1. Load plain, letter-size paper and select Plain Paper and Letter size on the control panel.

2. When you are ready to copy, press and hold down the ◉ Stop button, then press the ◈ Start Color button (to copy in color) or the ◈ Start B&W button (to copy in black and white). When the On light starts flashing, release both buttons.

Printing From a Memory Card

Inserting the Card

1. Make sure the CX5000 Series is turned on.

   Note:
   When you print directly from a memory card, it is best if the CX5000 Series is not connected to your computer (or your computer should be turned off). If you see a message on your computer screen when you insert a card in the CX5000 Series, just cancel the operation and close the screen.
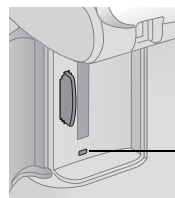
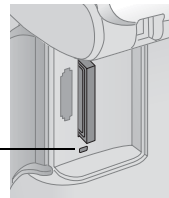2. Open the memory card door.
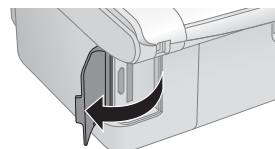
3. Make sure the memory card access light is off and that no cards are in any of the slots. Then insert your card into the correct slot. The memory card access light flashes and then stays on.

   Insert just one card at a time (it won't go in all the way)

   Left slot   **Right slot**

   Memory card access light

Slot	Type of card
Left slot	SD SDHC miniSD* miniSDHC* microSD* microSDHC* MultiMediaCard Memory Stick Memory Stick Duo* Memory Stick PRO Memory Stick PRO Duo* MagicGate Memory Stick MagicGate Memory Stick Duo* xD-Picture Card xD-Picture Card Type H xD-Picture Card Type M
Right slot	CompactFlash Microdrive

*   Adapter required

4. Close the memory card door. Now you can:

❏ Print an index sheet so you can select which photos to print (see the next section)

❏ Print all the photos on the card (see page 10)

❏ Print photos pre-selected on your camera using DPOF (see page 10)

When you want to remove the card, make sure the memory card access light is not flashing, then pull the card straight out of its slot.

Caution:
Do not remove the card or turn off the CX5000 Series while the memory card access light is flashing; you may lose data on the card.

Printing an Index Sheet

You can print an index sheet (which is like a photographer's contact or proof sheet) to see small "thumbnail" images of all the pictures on your card. Then you can mark the pictures on the index sheet that you want to print, scan the sheet, and let the CX5000 Series automatically print the selected photos.

1. Make sure your CX5000 Series is not connected to your computer (or your computer is turned off).

2. Load several sheets of letter-size, plain paper. (Use only letter-size paper to print the index sheet.) Up to 30 images are printed on each page, so if there are more than 30 photos on the memory card, you'll need enough sheets for all the index pages to be printed.

3. Insert the memory card if it is not already in the slot (see page 8).

4. Press the Memory Card button one or more times until the Print Index Sheet light comes on.

5. Make sure Plain Paper and Letter are selected.

6. Press the ◈ Start Color button. The On light flashes, and the CX5000 Series starts printing the index sheets. (This may take a few minutes.)

   For multiple index sheets, the pages containing the most recent images are printed first. If you want to cancel printing more sheets, press the ⊘ Stop button.
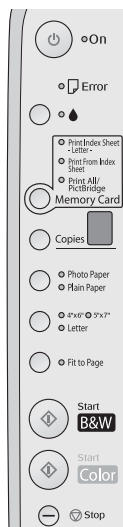
Note:
Make sure the triangle mark on the upper left corner of the index sheet is printed completely so the CX5000 Series can scan it correctly.

Now follow the instructions in the next section to select photos and print.

Selecting Photos on the Index Sheet

1. Once you have printed the index sheet, use a dark pen or pencil to fill in one of the circles beneath each photo you want to print to indicate how many copies you want (1, 2, or 3).
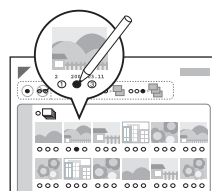

Make sure just one circle is filled in for each selected photo and mark the sheet carefully; once it has been scanned you will not be able to change your selections.

Note:
If you want one copy of all the photos on the index sheet, fill in the **ALL** oval at the top of the page.

2. Place the index sheet face-down on the glass, in the upper left corner, so that the top of the sheet is aligned against the left edge of the glass.
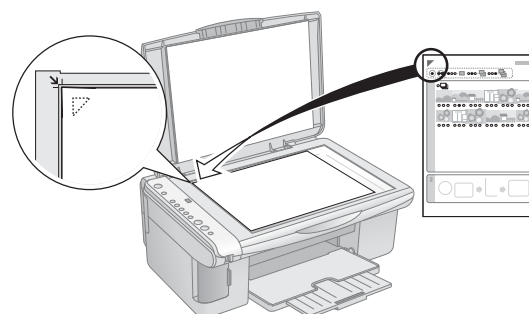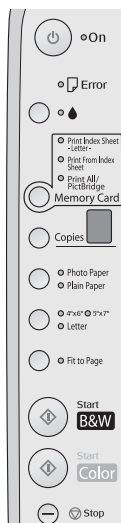

3. Close the document cover.

4. Load up to 100 sheets of plain paper or up to 20 sheets of photo or matte paper at a time (see page 4 for details). You can load more paper later as necessary to print all your selected photos.

5. Make sure the Print From Index Sheet light is on.

6. Select Plain Paper or Photo Paper (whichever you loaded). If you select Plain Paper, your photos print with a white border. If you select Photo Paper, your photos print borderless, to the edge of the paper.

7. Select Letter, 4"x 6", or 5"x 7" for the paper size.

8. Press the ◇ Start Color button to start printing.

   Note:
   If you need to stop printing, press the ⊘ Stop button.

Printing All Photos or DPOF Photos

Follow the steps below to print one copy of each photo on the card or to print only those photos that were pre-selected with your camera's DPOF (Digital Print Order Format) feature.

1. Make sure your CX5000 Series is not connected to your computer (or your computer is turned off).

2. Load up to 100 sheets of plain paper or up to 20 sheets of photo paper at a time (see page 4 for details). You can load more paper later as necessary to print all your photos.

3. Insert the memory card (see page 8).

4. Press the Memory Card button until the Print All/PictBridge light comes on.

   Note:
   If the memory card does not contain DPOF information, one copy of all the photos on the card will be printed.

5. Select Plain Paper or Photo Paper (whichever you loaded). If you select Plain Paper, the photos print with a white border. If you select Photo Paper, the photos print borderless, to the edge of the paper.

6. Select Letter, 4"x 6", or 5"x 7" for the paper size.

7. Press the ◇ Start Color button to start printing.

   Note:
   If you need to stop printing, press the ⊘ Stop button.
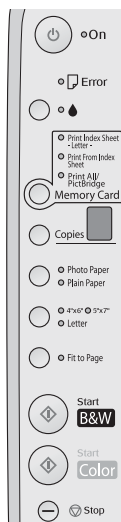
Printing From a Digital Camera

If your camera is PictBridge™- or USB DIRECT-PRINT™- compatible, you can print your JPEG photos by connecting your digital camera directly to your CX5000 Series. Your photos must be sized from 80 × 80 pixels to 9200 × 9200 pixels.

1. Make sure your CX5000 Series is not printing.

2. Remove any memory cards from slots.

3. Press the Memory Card button until the Print All/PictBridge light comes on.

4. Load the type of paper you want to use (see page 4). Load enough sheets for the number of photos you'll be printing.

5. Press the paper type button to select Photo Paper to print borderless photos (without a white border). Select Plain Paper if you want your photos printed with a small white border.

6. Press the paper size button to select Letter, 4"x 6", or 5"x 7".

7. Connect the USB cable that came with your camera to the ⚲ USB connector on the front of your CX5000 Series.
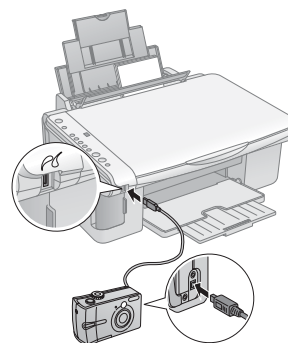
8. Make sure your camera is turned on.

9. Select the photos you want to print with your camera. Then adjust any necessary settings and print your photos as explained in your camera manual.

Note:
If your camera is not supported, a flashing P appears in the Copies window, and the ⬚ Error light and the Print All/PictBridge flash. Epson cannot guarantee the compatibility of any camera.

Depending on the CX5000 Series settings and your digital camera settings, some combinations of paper type, size, and layout may not be supported. In addition, some of your digital camera settings may not be reflected in the printed output.

Scanning

You can use your CX5000 Series to scan a photo or document and save it on your computer or other device, or to fax or e-mail it to someone else.

You can even automatically restore faded color photographs as you scan (see page 12 for details).

The EPSON Scan software provides three scanning modes for progressive levels of control over your scanned image:

❏ Full Auto Mode scans quickly and easily using automatic settings.

❏ Home Mode previews your image and provides automatic image adjustments, cropping tools, and preset options for various types of scans.

❏ Professional Mode previews your image and lets you manually configure your scan settings with a full array of tools.

Scanning Directly From EPSON Scan

You can scan from any TWAIN-compliant application—such as ArcSoft PhotoImpression™—using EPSON Scan. Or you can start EPSON Scan directly from your computer and save your image to a file.

1. Open the document cover and place your original face-down on the glass, in the upper left corner.

   Note:
   If you need to scan a thick document, you can remove the document cover (see page 7).

2. Close the cover gently so you don't move the original.

3. Do one of the following to start EPSON Scan:

   ❏ **Windows**®: Double-click the EPSON Scan icon on your desktop.

   ❏ **Macintosh**®: Double-click EPSON Scan in the Applications folder.

   ❏ If you are scanning from an application, start your application. Then open the File menu, choose Import or Acquire, and select Epson Stylus CX5000 Series.

You see the EPSON Scan standby window:

4. If the Mode setting in the upper right corner is set to Full Auto Mode, click the Scan button.

   Note:
   If you want to automatically restore a color photo as you scan, click the Customize button (see the next section for instructions).

   If you are in Home or Professional Mode, you see a different EPSON Scan settings window. You can change the mode using the Mode selector in the upper right corner. (For details on using Home or Professional Mode, see the on-screen *User's Guide*.)

5. You see the File Save Settings window:

   Choose the location where you want to save your scanned file and type a name for it in the Prefix box. Select a file format in the Image Format box.

6. Click OK. The image is scanned and you see its icon in an open folder.

Restoring Color in Faded Photos

Using the Color Restoration feature in EPSON Scan, you can automatically transform an old, faded, or badly exposed photo into one with true-to-life color and sharpness as you scan.

1. Place your original photo on the scanner as described on page 6.

2. Start EPSON Scan. See page 11 for instructions:

3. When the EPSON Scan window appears, do one of the following, depending on the currently selected scan mode:

   ❏ **Home or Professional Mode:** go to step 4.

   ❏ **Full Auto Mode:** click the Customize button, click the Color Restoration checkbox, and click OK. Continue with step 9.
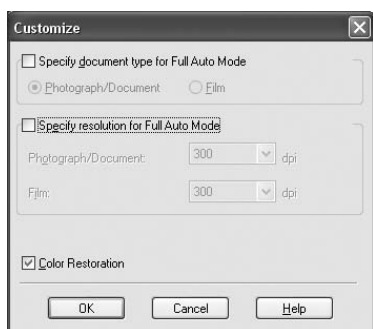
4. Select the basic settings for the type of original(s) you are scanning, then select the destination setting for the way you will use your image(s). See the on-screen *User's Guide* for instructions.

5. Click the Preview button to preview your image(s), then select your scan area.

6. Do one of the following to select the Color Restoration option:

   ❏ **Home Mode:** Click the Color Restoration checkbox.

   ❏ **Professional Mode:** Scroll down to the Adjustments area and click the Color Restoration checkbox.
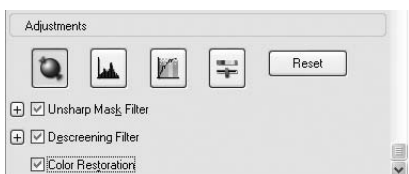
7. Make any other necessary image adjustments.

8. Size your image as necessary.

9. Click the Scan button to scan and restore the color in your image(s).

   What happens next depends on how you started EPSON Scan. See the on-screen *User's Guide* for details.

Checking the Print Head Nozzles and Ink

If your printouts are faint or have gaps in them, some of the nozzles in the print head may be clogged or ink may be running low in one or more of the ink cartridges. Follow the steps below to check the print head nozzles and remaining ink levels using the control panel.

1. Turn off the CX5000 Series.

2. Load letter-size paper in the sheet feeder.

3. Press the ♦ ink and On buttons together and hold them down for about 3 seconds. The CX5000 Series turns on and prints a test pattern. It also shows the percentage of ink left in each cartridge:

Print head nozzles are clean:
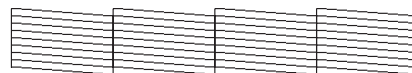
Print head needs to be cleaned:

   If the pattern does not look good, try cleaning the print head as described below.

Note:
You can also check the ink level using Status Monitor (see the on-screen *User's Guide*).

Cleaning the Print Head

If your printouts are unexpectedly light or faint, or you notice light or dark bands across your printout, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly. Run a nozzle check (as described above) to see if the print head needs cleaning.

Note:
Print head cleaning uses ink, so clean it only if quality declines and the nozzle check indicates that the print head needs to be cleaned.

If the red ♦ ink light comes on or flashes, you cannot clean the print head. In this case, replace the appropriate ink cartridge first (see the next section).

1. Make sure the CX5000 Series is on and the ♦ ink light is off.

2. Hold down the ♦ ink button for 3 seconds until the **On** light starts flashing. The CX5000 Series runs a head cleaning cycle and the **On** light flashes.

   Caution:
   Never turn off the CX5000 Series while head cleaning is in progress. You may damage it.

3. When the **On** light stops flashing, run a nozzle check to verify that the print head is clean.

4. If there are still gaps or lines, or the test patterns are faint, run another cleaning cycle and check the nozzles again.

   Note:
   If you don't see any improvement after cleaning the print head three times, turn off the CX5000 Series and wait overnight. This lets any dried ink soften. Then try cleaning the print head again. If quality still does not improve, one of the ink cartridges may be old or damaged and needs to be replaced (see the next section).

   Tip:
   If you do not use your CX5000 Series often, it is a good idea to print a few pages at least once a month to maintain good print quality.

Replacing Ink Cartridges

❏ When the red ♦ ink light flashes, one or more ink cartridges are low on ink.

❏ When the red ♦ ink light stays on, you need to replace the cartridge(s).

You'll also see a message on your screen when you print telling you which cartridge is low or expended. (You cannot print when a cartridge is expended.)

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

Checking the Ink Supply

To check your ink supply, do the following:

❏ **Windows:** Double-click the icon on your taskbar (in the lower right corner of your screen). You see a window like the following:
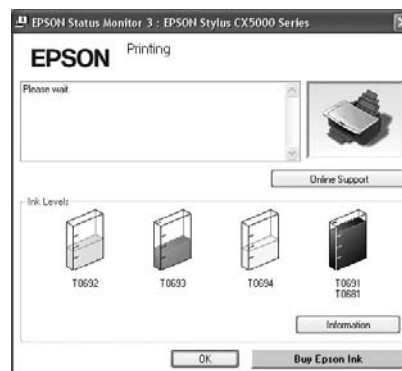
❏ **Macintosh OS X:** Open the Applications folder and select EPSON Printer Utility. Select CX5000 Series in the printer list, click OK, and select EPSON Status Monitor.

You see a window like this:
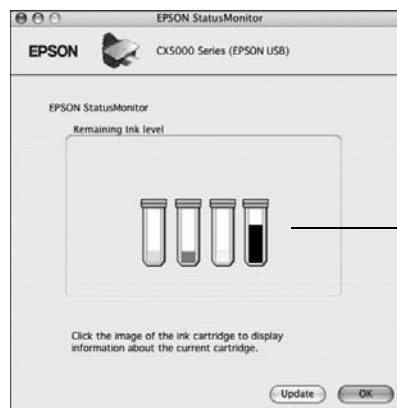
Click a cartridge image to display information about it.

Removing and Installing Ink Cartridges

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

Warning:
Keep ink cartridges out of the reach of children.

Be careful when you handle used ink cartridges; there may be ink remaining around the ink supply port. If ink gets on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.

Do not put your hand inside the CX5000 Series or touch any cartridges during printing.

Caution:
Do not open ink cartridge packages until you are ready to install the ink. Cartridges are vacuum packed to maintain reliability.

Install a new ink cartridge immediately after removing an expended one. Leaving cartridges uninstalled can dehydrate the print head and may prevent the CX5000 Series from printing.

Leave the expended cartridge installed until you have obtained a replacement, or 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 CX5000 Series not covered by Epson's warranty.

If you remove an ink cartridge for later use, protect the ink supply area from dirt and dust and store it in the same environment as the CX5000 Series. Note that there is a valve in the ink supply port, making covers or plugs unnecessary, but care is needed to prevent the ink from staining items that the cartridge touches. Do not touch the ink cartridge ink supply port or surrounding area.

If you remove a low or expended ink cartridge, you cannot reinstall and use the cartridge.

1. Make sure the CX5000 Series is on.

2. Make sure that the document cover is closed, then open the scanner.
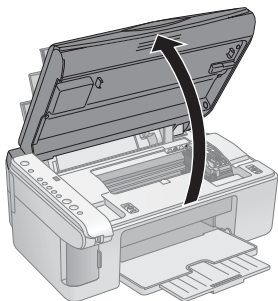
Caution:
Do not open the scanner when the document cover is open.

3. Press and release the ♦ ink button. The On and ♦ ink lights flash.

Note:
Do not hold down the ♦ ink button for more than 3 seconds or the printer will start to clean the print head.

If one of the cartridges is low or expended, the CX5000 Series moves that cartridge to the ⌀ ink out mark. Go to step 4.

If no cartridges are low or expended, the ink cartridge holder moves to the ink replacement position. Go to step 5.
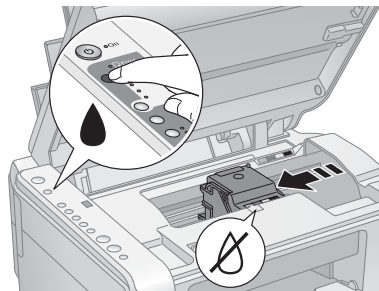
Caution:
Do not move the print head by hand; this may damage the CX5000 Series. Always press the ♦ ink button to move it.

4. Press the ♦ ink button again.

❏ If more than one cartridge is low or expended, the next cartridge moves to the ⌀ ink out mark.

❏ Once the CX5000 Series has identified all of the low or expended ink cartridges, the print head moves to the ink cartridge replacement position.
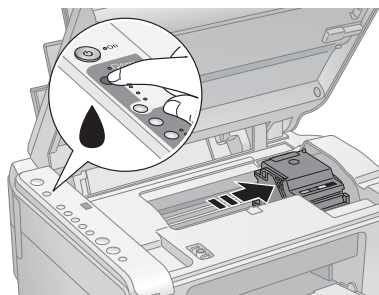

5. Open the cartridge cover.
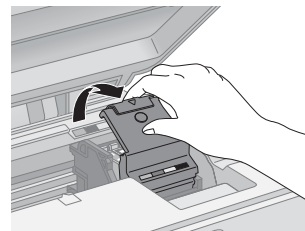
6. Squeeze the tab at the back of the cartridge and lift it straight out. Dispose of it carefully. Do not take the used cartridge apart or try to refill it.
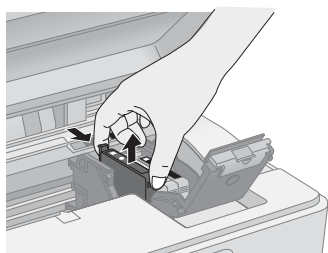
Warning:
If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.
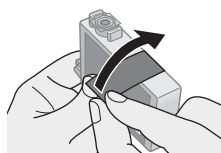
7. Before you open the new ink cartridge package, shake it four or five times. Then remove it from the package.
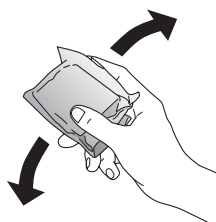
Caution:
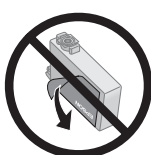Do not touch the green chip on the front of the cartridge. This can damage the ink cartridge.

8. Remove the yellow tape from the bottom of the ink cartridge.

Caution:
If you do not remove the yellow tape before installing the ink cartridge, print quality may decline or you may not be able to print.
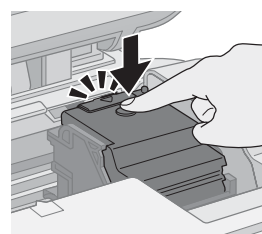
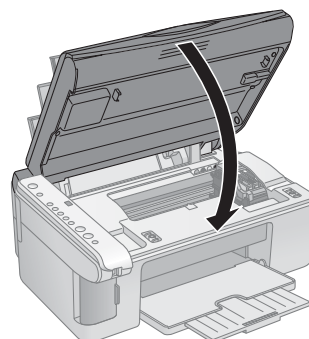Do not remove any other seals from the cartridges.

9. Place the new ink cartridge into the cartridge holder and push it down until it clicks into place.
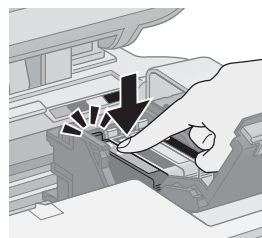
10. Replace any other cartridges that need to be replaced.

11. Close the ink cartridge cover and press it until it clicks into place.

12. Close the scanner.

13. Press the ● ink button. The CX5000 Series begins charging ink and the On light starts flashing. This takes about one minute. When it's finished, the On light stops flashing and remains on, and the ● ink light goes out.

Caution:
Never turn off the CX5000 Series while the On light is flashing or you'll waste ink.

Note:
If the ● ink light stays on (not flashing), the ink cartridge may not be installed correctly. Press the ● ink button again and reinstall the ink cartridge until it clicks into place.

Aligning the Print Head

If your printouts look grainy or blurry, or you see light or dark horizontal banding, you may need to align the print head.

Note:
Banding may also occur if your cartridges are low on ink or you need to clean the print head.

1. Turn on the CX5000 Series.

2. Load several sheets of paper.

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

   Macintosh OS X: Open the Applications folder and select EPSON Print Utility. Select your CX5000 Series in the printer list, click OK, and select Print Head Alignment.

4. Follow the instructions on the screen to print a vertical alignment sheet. You see a window like this one:
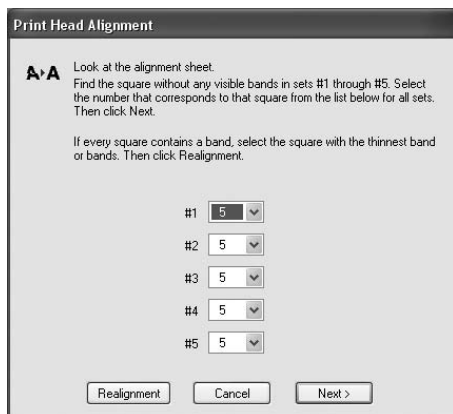
5. Look at the five sets of patterns in your printout. For each set, if you see a pattern with no visible vertical lines, enter its number in the corresponding box on the screen and click Next.

   If you can't find an aligned pattern, choose the one that's closest to being aligned. Click Realignment and then Print to print another alignment sheet and repeat this step.

6. Click Print to print a black horizontal alignment sheet. After it's printed, you see a window like this one:
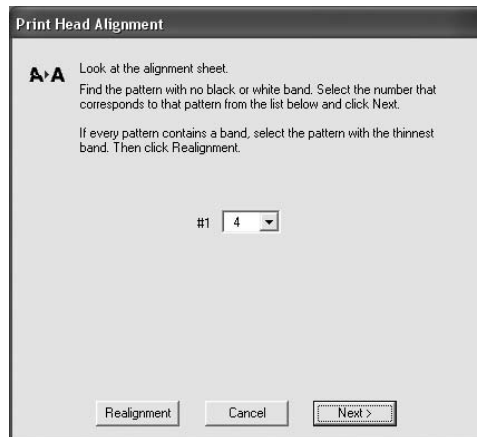
7. Look at the printout and select the pattern with no gap or line between the rectangles. Enter the number for that pattern in the box on the screen and click Next.

   If you can't find an aligned pattern, choose the one that looks the best. Then click Realignment to print another alignment sheet and repeat this step.

8. Click Print to print a color horizontal alignment sheet. After it's printed, you see a window like this one:
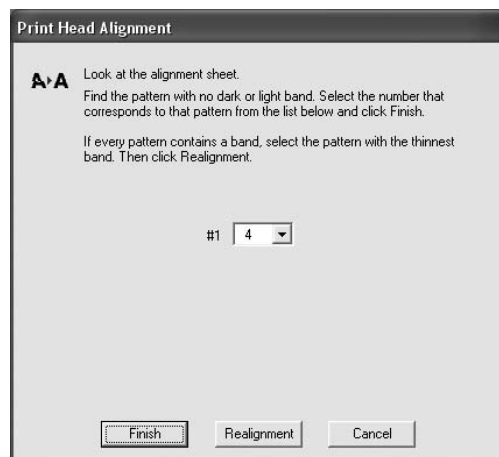
9. Look at the printout and find the pattern with no gap or line between the rectangles and enter its number in the box on the screen.

   If you can't find an aligned pattern, choose the one that looks the best. Then click Realignment to print another alignment sheet and repeat this step.

10. Click Finish to close the Print Head Alignment Utility.

Transporting the CX5000 Series

If you need to ship your CX5000 Series, you must prepare it for transportation by packing it in its original box or one of a similar size.

1. Turn off the CX5000 Series.

2. Remove any paper from the sheet feeder and close the paper support.

3. Unplug the power cord from the electrical outlet. Then disconnect the USB cable from the CX5000 Series.

4. Open the scanner section and make sure the ink cartridge holder is in the home position on the right.

5. Secure the ink cartridge holder (print head) to the case with tape.
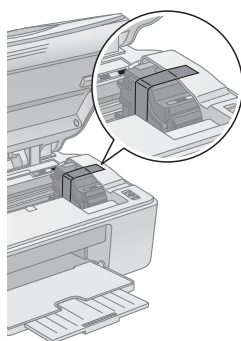
Caution:
Be sure to remove the tape after installing the printer in its new location, but before you turn it on.

6. Close the scanner section, push in the output tray extension, and close the output tray.

7. Repack the CX5000 Series in the original box using the protective materials that came with it.

Keep the CX5000 Series level as you transport it.

After transporting the CX5000 Series, remove the tape securing the print head, plug in the CX5000 Series, and turn it on. If you notice a decline in print quality, clean the print head (see page 12); if output is misaligned, align the print head (see page 16).

Related Documentation

CPD-21811	Epson Stylus CX5000 Series *Start Here* sheet
CPD-21812	Epson Stylus CX5000 Series *Quick Guide*
CPD-21813	Epson Stylus CX5000 Series CD-ROM (includes on-screen *User's Guide*)