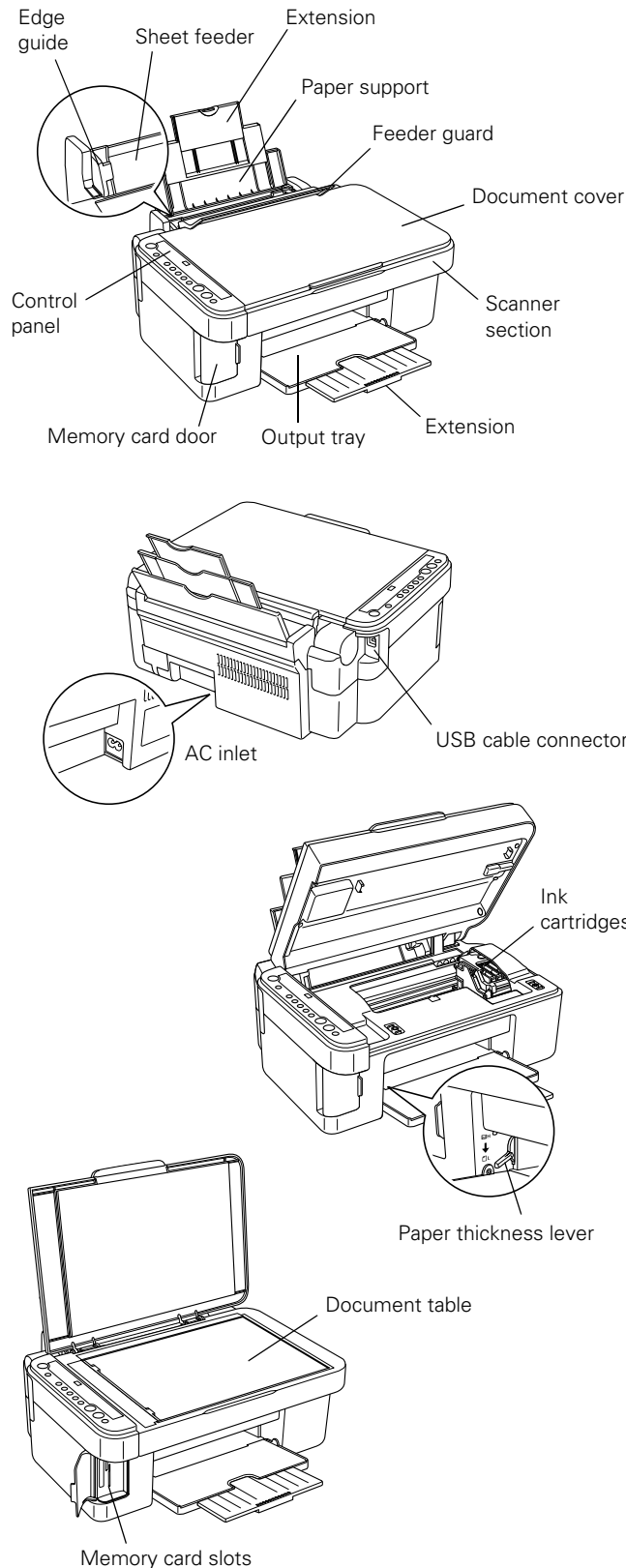


## Epson Stylus CX4600 Parts



## Accessories

### Ink Cartridges

Cartridge	Part number
Black ink	T044120
Cyan	T044220
Magenta	T044320
Yellow	T044420

### Media

Paper name	Size	Part number
Epson DURABrite™ Ink Glossy Photo Paper (recommended for photography)	Borderless 4 × 6 in.	S041734
	Letter (8.5 × 11 in.)	S041731
Epson Premium Bright White Paper	Letter (8.5 × 11 in.)	S041586
Epson Glossy Photo Paper	Borderless 4 × 6 in.	S041809
	Letter (8.5 × 11 in.)	S041141/ S041649/ S041272/ S041271
Epson Matte Paper Heavyweight	Borderless 8 × 10 in.	S041467
	Letter (8.5 × 11 in.)	S041257
Epson Double-Sided Matte Paper	Letter (8.5 × 11 in.)	S041568
Epson Premium Semigloss Photo Paper	Letter (8.5 × 11 in.)	S041331
Epson Photo Quality Self Adhesive Sheets	A4 (8.3 × 11.7 in.)	S041106
Epson Glossy Photo Greeting Card Kit	Letter (8.5 × 11 in.)	S041606
Epson Photo Quality Ink Jet Paper	Letter (8.5 × 11 in.)	S041062
	A4 (8.3 × 11.7 in.)	S041061
	Legal (8.3 × 14 in.)	S041067
Epson Photo Quality Ink Jet Cards	A6 (4.1 × 5.8 in.)	S041054
Epson Photo Paper	Panoramic (8.3 × 23 in.)	S041145

### User Replaceable Parts

Part name	Part number
Paper support	1285484
Feeder guard (cover ASF)	1279320
Paper tray (stacker assembly)	1290328
Document cover	1285394
Document cover mat	1279321

## Specifications

### Printing

Printing method	On-demand ink jet
Nozzle configuration	
Black	90 nozzles
Color	270 nozzles (90 nozzles per color × 3)
Print direction	Bidirectional with logic seeking
Resolution	Up to 2880 × 1440
Input buffer	32KB

### Ink Cartridges

Specification	Black and color ink cartridges
Color(s)	Black, Cyan, Magenta, Yellow
Print capacity*	Black cartridge: 540 pages (ISO/IEC 10561 letter pattern), 380 pages (graphics) at 5% coverage Color cartridge: 450 pages at 5% coverage per color
Shelf life	2 years in sealed package, 6 months once opened
Storage temperature (installed)	- 4 to 104 °F (- 20 to 40 °C) 1 month at 104 °F (40 °C)
Transit temperature	- 22 to 122 °F (- 30 to 50 °C) (in boxes) 10 days max. 122 °F (50 °C) Freezing at 3.2 °F (-16 °C)**
Dimensions	0.5 × 2.9 × 2.2 inches (W × D × H)

\* For more information about supplies and cartridge yields, go to [www.epson.com](http://www.epson.com). Cartridge yields vary, depending on the types of images printed, print settings, paper type, frequency of use, and temperature. The CX4600 ships with full cartridges and some ink from the first cartridge is used for initialization.

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

#### Caution:

To ensure good results, use genuine Epson cartridges. Other products may cause damage to your printer not covered by Epson's warranty.

Don't use an ink cartridge if the date on the package has expired.

Do not refill an ink cartridge. An IC chip on the cartridge calculates the amount of remaining ink based on the initial supply. Adding ink does not increase the amount available for use.

## Paper

This section describes the specifications for single sheets and envelopes.

#### Note:

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

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

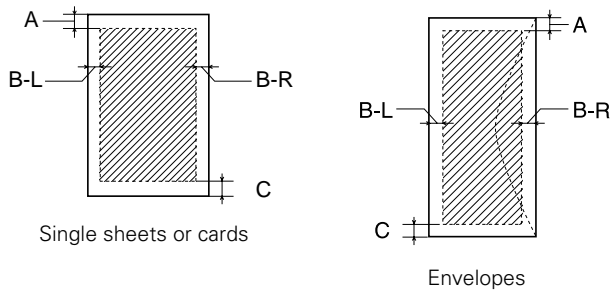
Use paper under normal environmental conditions: 59 to 77 °F (15 to 25 °C) and 40 to 60% RH (relative humidity).

### Single sheets

Size	Letter (8.5 × 11 inches) A4 (8.3 × 11.7 inches) Half-letter (5.5 × 8.5 inches) A5 (5.8 × 8.3 inches) Legal (8.5 × 14 inches) Executive (7.3 × 10.5 inches) 4 × 6 inches (101.6 × 152.4 mm) 8 × 10 inches (203 × 254 mm) A6 (105 × 148 mm) B5 (182 × 257 mm) 5 × 8 inches (127 × 203 mm) User-defined: 3.5 to 8.5 × 3.5 to 44 inches (89 to 216 mm × 89 to 1117 mm)
Paper type	Plain bond paper or special media distributed by Epson
Thickness	0.003 to 0.004 inch (0.08 to 0.11 mm) for plain bond paper; 0.008 inch (0.21 mm) for photo paper
Weight	17 to 24 lb (64 to 90 g/m <sup>2</sup> ) for plain bond paper; 55 lb (206 g/m <sup>2</sup> ) for photo paper

### Envelopes

Size	No. 10 (4.1 × 9.5 inches) DL (4.3 × 8.7 inches) C6 (4.5 × 6.4 inches) 8.7 × 5.2 inches (220 × 132 mm)
Paper type	Plain bond paper or air mail paper
Thickness	0.006 to 0.02 inch (0.16 to 0.52 mm)
Weight	12 to 27 lb (45 to 100 g/m <sup>2</sup> )

**Printable Area****Standard Margins**

	Single sheets	Envelopes
A: top margin	0.12 inch (3.0 mm)	0.12 inch (3.0 mm)
B-L: left margin	0.12 inch (3.0 mm)	0.2 inch (5.0 mm)
B-R: right margin	0.12 inch (3.0 mm)	0.2 inch (5.0 mm)
C: bottom margin	0.12 inch (3.0 mm)	0.79 inch (20.0 mm)

**Note:**

You can print borderless prints on some media types, or you can reduce the margin size to 0.06 inch (1.5 mm) when you select **Photo Paper** on the control panel (but do not select **Fit to Page**).

Depending on the type of paper, the print quality may deteriorate in the bottom area of the print, or this area may be smeared. Before printing large jobs with reduced margins, print a single sheet to confirm print quality.

**Scanning**

Scanner type	Flatbed color image scanner
Photoelectric device	Color CIS line sensor
Effective pixels	5,100 × 7,020 pixels at 600 dpi, 100%
Document size	Letter (8.5 × 11.0 inches) or A4 (8.5 × 11.7 inches); reading area is selectable with software
Scanning resolution	600 dpi (main), 1200 dpi (sub)
Output resolution	50 to 4800 dpi (adjustable in 1-dpi increments), 7200 dpi, or 9600 dpi; resolutions higher than 4800 are interpolated by software
Color separation	RGB color filters on CCD
Image data	16 bits per pixel per color internal 1 to 8 bits per pixel per color external
Gamma correction	User defined 2 level
Light source	RGB Three Color LCD
Reliability	30,000 cycles of carriage movements (main unit MCBF)
Interface	USB 2.0 compatible

**Mechanical**

Paper feed method	Friction
Paper path	Sheet feeder, top feed
Sheet feeder capacity	Approx. 100 sheets at 17 lb (64 g/m <sup>2</sup> )
Dimensions	16.9 × 13.5 × 6.7 inches (W × D × H) 430 × 344 × 170 mm (W × D × H)
Weight	Approx. 14.6 lb (6.6 kg)

**Electrical**

Input voltage range*	90 to 132 V
Rated frequency range	50 to 60 Hz
Rated current	0.4 A
Power consumption	Approx. 11 W (ISO 10561 Letter Pattern) Approx. 2.5 W in sleep mode Approx. 0.2 W in power-off mode

\* Check the label on the back of this product for voltage information.

**Environmental**

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

\* Stored in shipping container

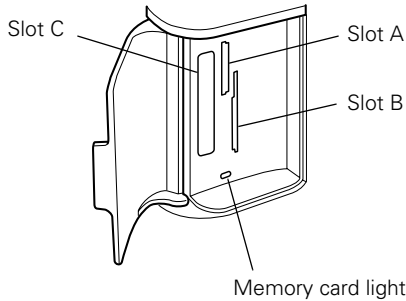
**USB Interface**

Standard	Based on Universal Serial Bus Specifications Revision 2.0, Universal Serial Bus Device Class Definition for Printing Devices version 1.1; Universal Serial Bus Mass Storage class Bulk-Only Transport Revision 1.0
Bit rate	12 Mbps (full speed device)
Data encoding	NRZI
Connector	USB Series B
Recommended cable length	6.6 feet (2 meters) or less

**Safety Approvals**

Safety standards      UL 60950, CSA C22.2 No. 60950  
 EMC                      FCC part 15 subpart B class B  
                                 CSA C108.8 class B

**Supported Memory Cards**



The CX4600 supports the following types of memory cards:

Slot	Type of card
A	Memory Stick (128MB max) MagicGate™ Memory Stick (128MB max) MultiMediaCard Memory Stick Duo™* Memory Stick PRO™ Memory Stick Pro Duo™* SD™ Card miniSD™ Card *
B	SmartMedia™ xD-Picture Card
C	CompactFlash™ Microdrive™

\* Adapter required

The CX4600 supports image files that meet the following requirements:

Media format              DCF version 1.0 compliant (DCF is the “Design rule for Camera File system” standard, which is set by the Japan Electronics and Information Technology Industries Association [JEITA])

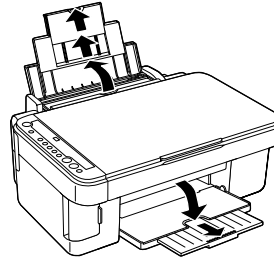
File format                 JPEG (supports Exif version 2.1/2.2), DOS FAT (FAT 12 or 16, one partition) taken with a DCF version 1.0 compliant digital camera

Image size                 Vertical: 120 to 4600 pixels, Horizontal: 120 to 4600 pixels

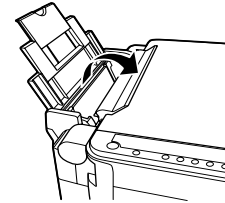
Number of files            Up to 999

**Loading Paper**

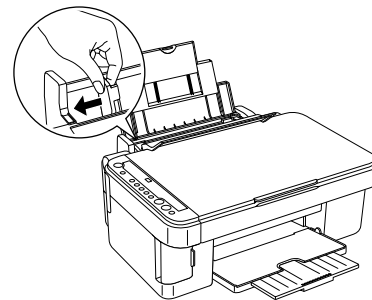
1. Open the paper support and output tray, then slide out the extensions.



2. Flip the feeder guard forward.

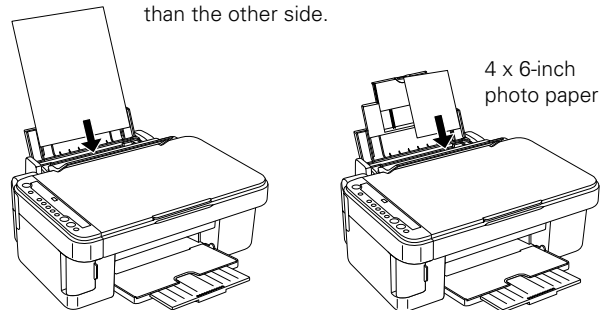


3. Slide the left edge guide to the left.



4. Insert the paper, printable side up, against the right edge guide. Always load it short edge first, even for landscape printing.

The printable side is often whiter, brighter, or glossier than the other side.



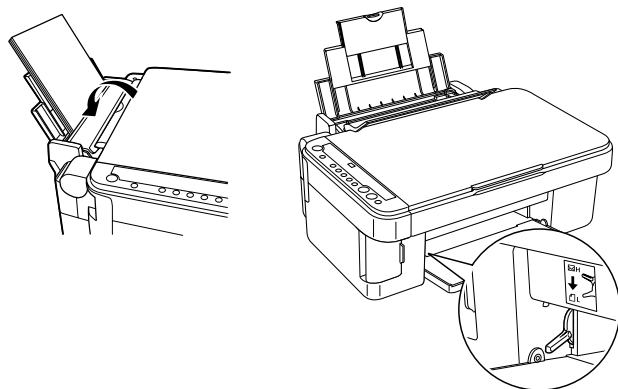
Be sure to:

- Load the printable side face-up.
- Load letterhead or preprinted paper top edge first.
- Load paper short-edge first, even for landscape-oriented documents and 4 × 6 photos.
- Don't load paper above the arrow on the left edge guide. (See the capacity limits below.)
- If the paper has a cut corner, position it in the upper right corner as you load it in the sheet feeder.

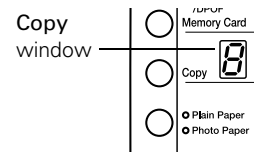
You can load up to 100 sheets of plain paper and up to 20 sheets of photo paper. See the following table for the capacity limits for other types of media.

Media	Number of sheets you can load at a time
Premium Semigloss Photo Paper	Up to 20 sheets
Matte Paper Heavyweight	
Glossy Photo Paper	
Photo Paper	
DURABrite Ink Glossy Photo Paper	Up to 50 sheets
Premium Bright White Paper	Up to 80 sheets
Plain paper	Up to 100 sheets
Photo Quality Ink Jet Paper	
Photo Quality Ink Jet Cards	
Photo Quality Ink Jet Cards	Up to 30 cards Up to 50 cards for A6 sized
Double-Sided Matte Paper	One sheet at a time

5. Slide the left edge guide against the left edge of the paper (but not too tightly).
6. Flip the feeder guard back. Also make sure the paper thickness lever is set down to the  L position.



The letter L flashes briefly in the Copy window on the control panel when you move the lever to the  L position; the letter H flashes when you move it to the  H position.



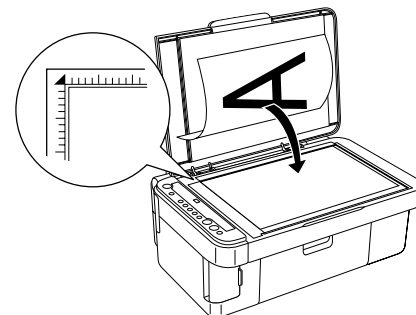
### Selecting the Correct Paper Type

When printing from your computer, select the Type (Windows) or Media Type (Macintosh) setting in your printer software according to these guidelines:

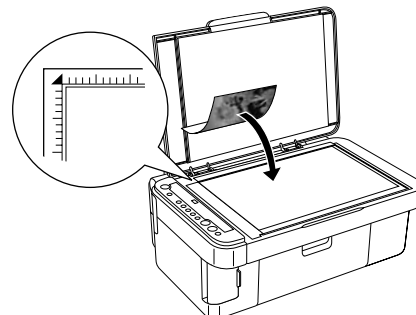
For this paper	Select this setting
Epson DURABrite Ink Glossy Photo Paper	DURABrite Ink Glossy Photo Paper
Plain paper sheets or envelopes Epson Premium Bright White Paper	Plain Paper/Bright White Paper
Epson Matte Paper Heavyweight Epson Double-Sided Matte Paper Epson Photo Quality Ink Jet Paper/ Cards	Matte Paper - Heavyweight
Epson Photo Paper or Glossy Photo Paper Epson Glossy Photo Greeting Cards	Glossy Photo Paper
Epson Premium Semigloss Photo Paper	Premium Semigloss Photo Paper

### Placing Your Original Document

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



Move the original about 1/10 inch (2.5 mm) away from the top and left edges so all of it will be copied



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

**Caution:**

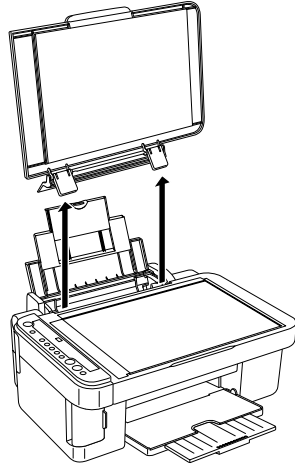
Never open the document cover beyond where it stops and do not place heavy objects on top of the CX4600.

If you need to copy or scan a thick or large document, you can remove the document cover. Just open it and pull it straight up.

**Caution:**

If you need to press the document flat while you copy or scan it, do not press too hard 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.



## Simple Copying

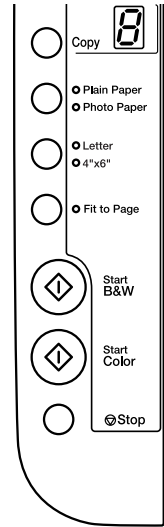
You can make simple copies using letter-size (8.5 × 11-inch) or 4 × 6-inch paper as described below. If you want to copy to a different size, you need to do it from your computer. See your on-screen *Reference Guide* for instructions.

### Copying a Letter-size Document

1. Make sure the CX4600 is turned on.
2. Place the document on the glass and close the document cover.
3. Load letter-size paper.



4. Press the **Copy** button until you see the desired number of copies in the **Copy** window. You can select up to 9 copies at a time this way. (To make more than 9 copies, see page 7.)
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 loaded 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 CX4600 starts printing.

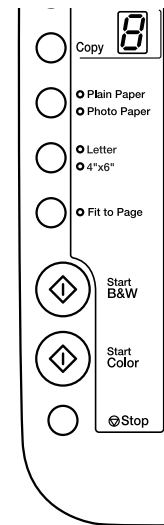
If you need to stop copying at any time, just press the **Stop** button. Do not pull out paper that is being printed; it will be ejected automatically into the output tray.

### Copying a Photo

1. Make sure the CX4600 is turned on.
2. Place the photo on the glass and close the document cover.
3. Load up to 20 sheets of 4 × 6-inch photo paper.



4. Press the **Copy** button until you see the correct number of copies in the **Copy** window. You can select up to 9 copies at a time this way. (To make more than 9 copies, see page 7.)
5. Press the paper type button to select **Photo Paper**.
6. Press the paper size button to select **4" × 6"**.
7. If you want your photos printed without a white border, press the **Fit to Page** button. Otherwise, they are printed with a 0.06-inch (1.5 mm) margin.



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 CX4600 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 into the output tray.

**Note:**

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

## Making 10 or More Copies

If you want to make 10 or more copies at a time, press the **Copy** button until you see “-” in the **Copy** window. This tells the CX4600 to print up to 100 copies. Load enough paper for the number of copies you want to make (up to 100) and start copying.

The CX4600 will continue making copies until it runs out of paper. Then the red **Error** light comes on. To make more copies, load more paper and press the **Start Color** or **Start B&W** 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.

## Speeding Up Printing

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.

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

You can print photos directly from your digital camera's memory card; just insert it into the CX4600's memory card slot and you're ready to print.

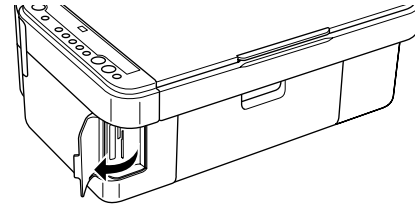
If your digital camera supports DPOF (Digital Print Order Format), you can pre-select the photos you want to print while the card is still in the camera. Then, when you insert the card in the CX4600, it knows which photos to print and how many copies of each.

**Note:**

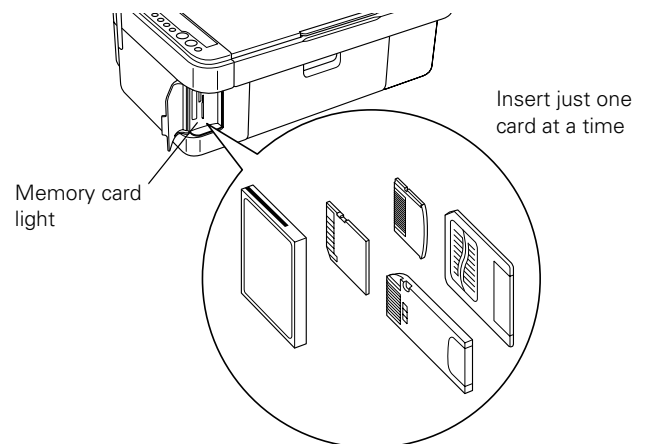
You can print only in color when printing directly from a memory card; you cannot print in black and white.

## Inserting a Memory Card

1. Make sure the CX4600 is turned on but not connected to your computer (or your computer is turned off).
2. Open the memory card door.



3. Insert your card into the correct slot. (See page 4 for details.)



The memory card light flashes and then stays on.

4. Close the memory card door. Now you can:
  - Print an index sheet so you can select which photos to print
  - Print all the photos on the card
  - Print photos pre-selected on your camera using DPOF

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

**Caution:**

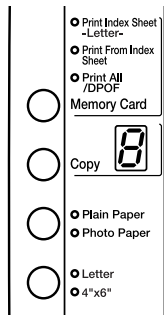
Do not remove the card or turn off the CX4600 while the memory card light is flashing; you may lose data on the card.

### Printing an Index Sheet to Select Photos

You can print an index sheet (which is like a photographer’s contact or proof sheet) to see small “thumbnail” images of all the photos on your card. Then you mark the photos on the index sheet that you want to print, scan the sheet, and let the CX4600 automatically print the selected photos.

1. Make sure your CX4600 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.

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 CX4600 starts printing the index sheet(s). (This may take a few minutes.)



For multiple index sheets, the pages are printed from the last sheet to the first, so the most recent images are printed first.

Now you can follow the instructions below to select which photos to print.

### Selecting Photos

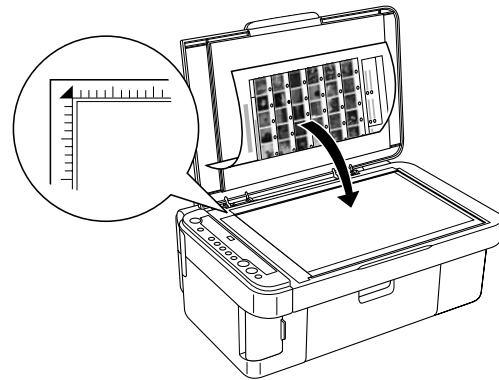
1. Once you have printed the index sheet, use a dark pen or pencil to fill in one of the ovals beneath each photo you want to print to indicate how many copies you want (1, 2, or 3).

Make sure just one oval 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.

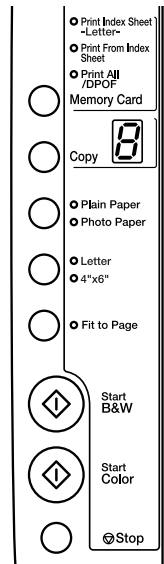


3. Close the document cover.
4. Load the type of paper you want to use. Load enough sheets for the number of photos you’ll be printing.
5. Make sure the **Print From Index Sheet** light is on. If not, press the **Memory Card** button to turn it on.
6. Select **Plain Paper** or **Photo Paper** (whichever you loaded).

If you select **Plain Paper**, the photo(s) print with a white border. If you select **Photo Paper**, the photos print borderless, to the edge of the paper.

7. Select **Letter** or **4”x 6”** for the paper size.
8. Press the **Start Color** button to start printing.

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



9. When you are done printing, remove the memory card by pulling it straight out of its slot.

### 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 feature.

1. Insert the memory card.
2. Load the type of paper you want to use. Load enough sheets for the number of photos you’ll be printing.




- Press the **Memory Card** button until the **Print All/DPOF** light comes on.

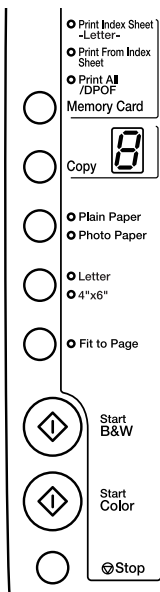
**Note:**

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


- Select **Plain Paper** or **Photo Paper** (whichever you loaded).

If you select **Plain Paper**, the photo(s) print with a white border. If you select **Photo Paper**, the photos print borderless, to the edge of the paper.

- Select **Letter** or **4" x 6"** for the paper size.
- Press the  **Start Color** button to start printing.



**Note:**








If you need to stop printing, press the  **Stop** button.

- When you are done printing, remove the memory card by pulling it straight out of its slot.

## Using Epson Smart Panel

EPSON® Smart Panel is an easy, step-by-step interface for scanning, copying, printing, and more. Double-click the EPSON Smart Panel icon on your desktop to open it.

Choose from these options:

Smart Panel options	Description
 Scan and Save	Scans a photo into ArcSoft® PhotoImpression™, where you can edit, retouch, enhance, or print it with templates, frames, and borders, and then save it.
 Copy/Reprint Photos	Scans and prints photos in various sizes and layouts. Includes Color Restoration.
 View and Create	Scans a photo into ArcSoft PhotoImpression, where you can edit, retouch, enhance, and print it with templates, frames, and borders.
 Scan to Application	Scans a photo or document and lets you choose which program it opens in.
 Scan to E-mail	Scans a photo or document and attaches it to an e-mail so you can send it right away.
 EPSON Photo Site	Scans an image and uploads it to Epson's photo-sharing web site.
 Copy to Fax	When you install your own fax software, scans your image or document into your PC fax utility.



**Note:**

For details on using all the Smart Panel features, click the ? button in Smart Panel or see the online *Smart Panel User Guide*.

## Error Indicators

To diagnose some problems, check the control panel lights and the Copy window for these error conditions:

Light: status	Copy window	Cause	Solution
Error: On On: Flashing	—	No paper is loaded in the sheet feeder.	Load paper, then press <b>Start Color</b> to continue or <b>Stop</b> to cancel.
	—	Multiple pages have been fed into the sheet feeder.	Remove and reload the paper. Then press <b>Start Color</b> to continue or <b>Stop</b> to cancel.
Error: Flashing	—	Paper is jammed.	See "Clearing a Paper Jam" below.
Ink: Flashing	—	An ink cartridge is running low on ink.	See "Replacing Ink Cartridges" on page 11.
Ink: On	—	An ink cartridge is empty or not installed correctly.	See "Replacing Ink Cartridges" on page 11.
Error: Flashing Print Index Sheet, Print From Index Sheet, and Print All/DPOF: Flashing	1	A memory card is inserted that is not supported by the CX4600.	Remove the incompatible memory card. (See "Supported Memory Cards" on page 4.)
		The inserted memory card does not contain any valid images.	See "Supported Memory Cards" on page 4.
Error: Flashing Print From Index Sheet: Flashing	2	An index sheet was not recognized because it is not positioned correctly.	Position the index sheet correctly on the glass, aligning the top of it with the left edge of the glass. Then press <b>Start Color</b> to continue.
	3	The index sheet is marked incorrectly. (No marks are detected or the sheet includes more than one mark for an image.)	Remove the index sheet, mark it correctly, and try again. (See page 8.)
	4	The index sheet does not match the photos on the memory card.	Remove the memory card and insert the card used to print the photos on the glass—or place the correct index sheet on the glass. Then press <b>Start Color</b> to continue or <b>Stop</b> to cancel.

Light: status	Copy window	Cause	Solution
Error: Flashing fast	H	The paper thickness lever is set to the <b>H</b> position.	If you have set the lever to the <b>H</b> position because you are printing envelope(s), press <b>Start Color</b> to continue. Otherwise, set the lever to the <b>L</b> position.
Error: On Ink: On All other lights: Flashing	E	A part on the CX4600 needs to be replaced.	Contact your local authorized servicer or Epson for a referral.
All lights: Flashing	E	There is a problem with the CX4600.	Turn the CX4600 off and then back on. If the error does not clear, contact your local authorized servicer or Epson for a referral.

## Clearing a Paper Jam

If paper is jammed, the red **Error** light flashes. Follow these steps to clear the jam:

1. Press the **Start Color** button to eject the jammed paper. If the jammed paper is not ejected, go on to the next step.
2. If the paper is stuck near the sheet feeder or output tray, gently pull it out.

If the paper is stuck inside the CX4600, press the **On** button to turn it off. Open the scanner and remove any paper inside, including any torn pieces. Do not pull it backward however; this can damage the sheet feeder. Then turn the CX4600 back on.

## Cleaning the Print Head

If your printouts are unexpectedly light, colors are not correct, or dots or lines are missing, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly.

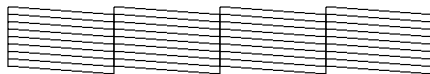
## Checking the Print Head Nozzles and Ink

Follow the steps below to check the print head nozzles and remaining ink levels using the control panel.

1. Turn off the CX4600.
2. Load letter-size paper in the sheet feeder.

- Press the **◆** ink and **⏻** On buttons together and hold them down for about 5 seconds. The CX4600 turns on and prints a test pattern. It also shows the percentage of ink left in each cartridge:

Print head does not need to be cleaned:



Print head needs to be cleaned:



If the pattern does not look good, try cleaning the print head as described in the next section.

**Note:**

You can also check the ink level using Status Monitor; see the *Reference Guide*.

## Cleaning the Print Head

If the print head needs to be cleaned, follow the steps below.

**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. Also note that if the red **◆** ink light comes on or flashes, you cannot clean the print head. In this case, replace the appropriate ink cartridge first (as described in the next section).

- Make sure the CX4600 is on and the **◆** ink light is off.
- Hold down the **◆** ink button for 3 seconds until the On light starts flashing. The CX4600 runs a head cleaning cycle and the On light flashes.

**Note:**

Never turn off the CX4600 while head cleaning is in progress. You may damage it.

- When the On light stops flashing, run a nozzle check (as described on page 10) to verify that the print head is clean.
- If there are still gaps or the test patterns are faint, run another cleaning cycle and check the nozzles again.

If you don't see any improvement after running four or five cleaning cycles, turn off the CX4600 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 need to be replaced. See the next section.

**Tip:**

If you do not use your CX4600 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 starts flashing, one or more 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 computer screen when you print, telling you which cartridge is low or empty.

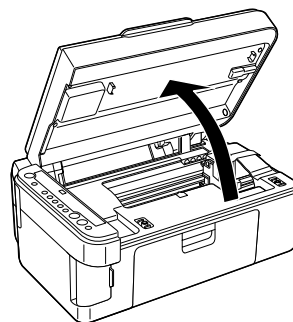
You can purchase ink cartridges from the Epson Store<sup>SM</sup> at (800) 873-7766 or visit [www.epsonstore.com](http://www.epsonstore.com) (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral. Use these part numbers when you order or purchase new cartridges.

Color	Part number
Black	T044120
Cyan	T044220
Magenta	T044320
Yellow	T044420

**Caution:**




Leave the empty 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 CX4600 not covered by Epson's warranty.

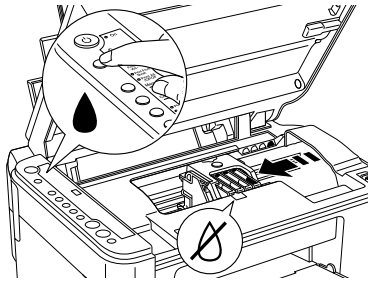
- Make sure the CX4600 is on.
- Make sure that the document cover is closed, then open the scanner.




**Caution:**

Do not open the scanner when the document cover is open.


3. Press and release the  ink button. The ink cartridge holder moves to the check position and the **On** and  ink lights flash. If one of the cartridges is low or empty, the CX4600 moves that cartridge to the  ink out mark.






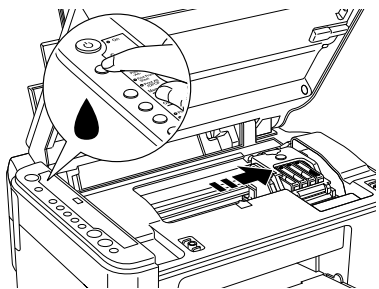
**Note:**

Do not hold down the  ink button; when held down for 3 or more seconds, it tells the printer to start cleaning the print head.

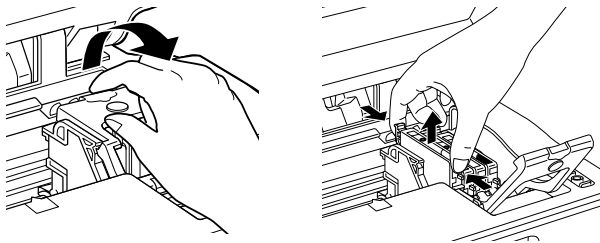
**Caution:**

Do not move the print head by hand; this may damage the CX4600. Always press the  ink button to move it.

4. Press the  ink button again.
  - If more than one cartridge is empty or low, the next cartridge moves to the  ink out mark.
  - If all of the empty or low ink cartridges have been identified, the print head moves to the ink cartridge replacement position when you press the  ink button.



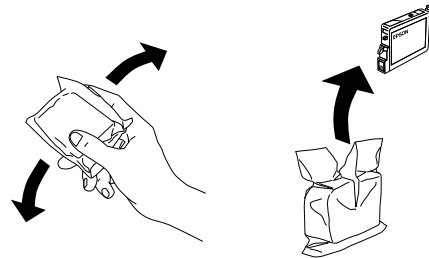
5. Open the cartridge cover and squeeze the tab at the back of the empty/low cartridge and lift it straight out. Dispose of it carefully. Do not take the used cartridge apart or try to refill it.



**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.

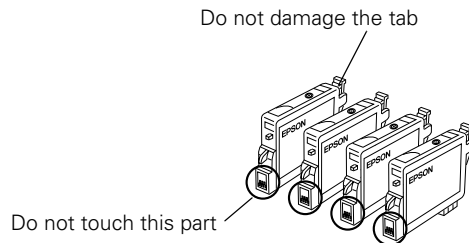
6. Before you open the new ink cartridge package, shake it four or five times. Then remove it from the package.



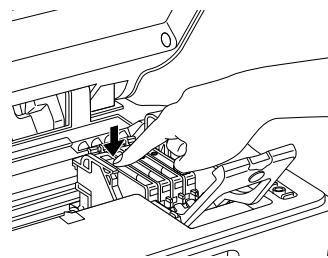
**Caution:**

Do not remove or tear the label on the cartridge; otherwise, ink will leak.

Do not touch the green chip on the side of the cartridge. This can damage the ink cartridge.

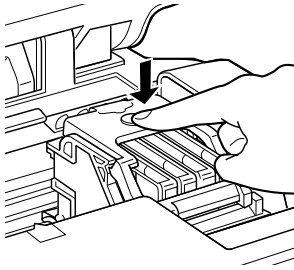


7. Insert the new ink cartridge and push it down until it clicks into place.

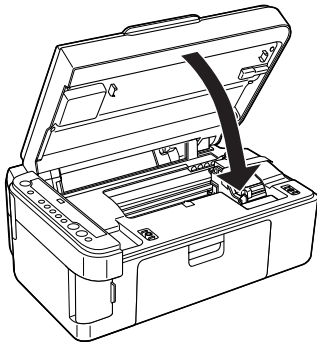




8. Replace any other cartridges that need to be replaced.

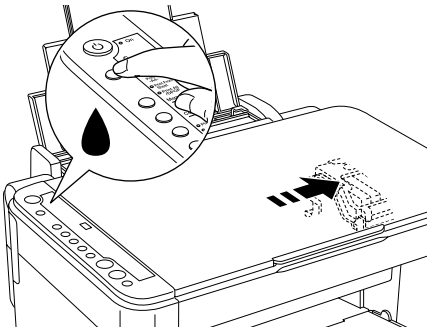
9. Close the ink cartridge cover and press it until it clicks into place.



10. Close the scanner.





11. Press the  ink button. The CX4600 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 CX4600 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.

## Related Documentation

CPD-18248	Epson Stylus CX4600 <i>Start Here</i>
CPD-18250R1	Epson Stylus CX4600 <i>Quick Reference</i>
CPD-18247R1	Epson Stylus CX4600 CD-ROM (includes on-screen <i>Reference Guide</i> )