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P

SureColor® P-Series

Epson® SureColor® P5000



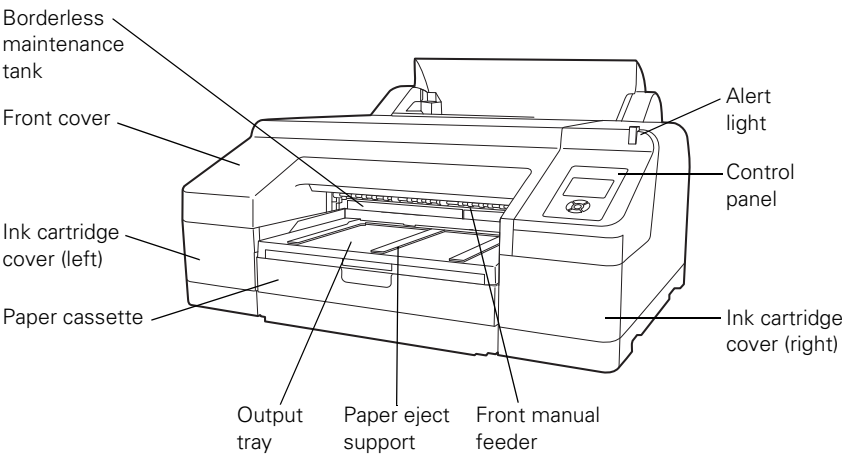
Quick Reference

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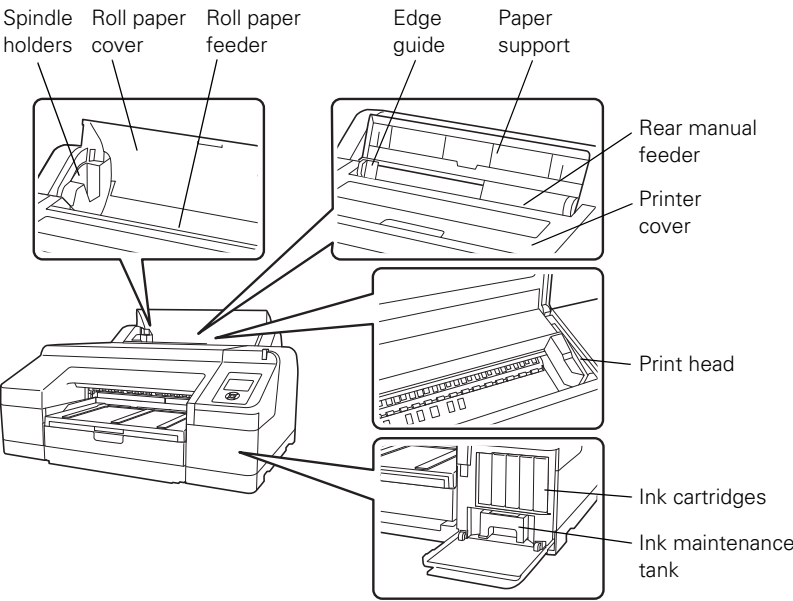
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# Printer parts

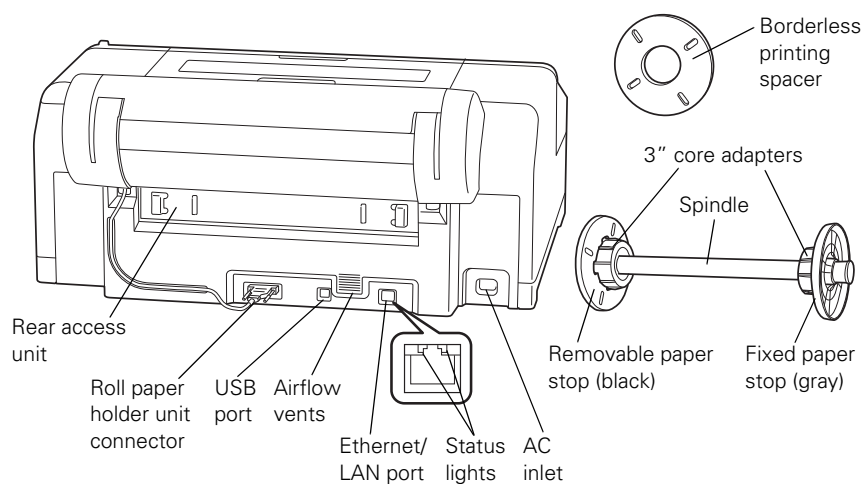
## Front



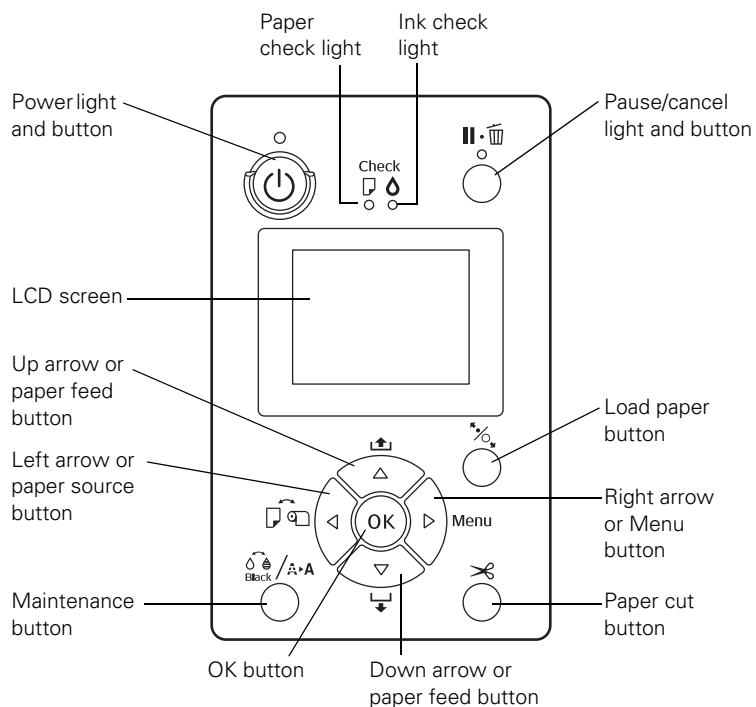
## Top/Inside



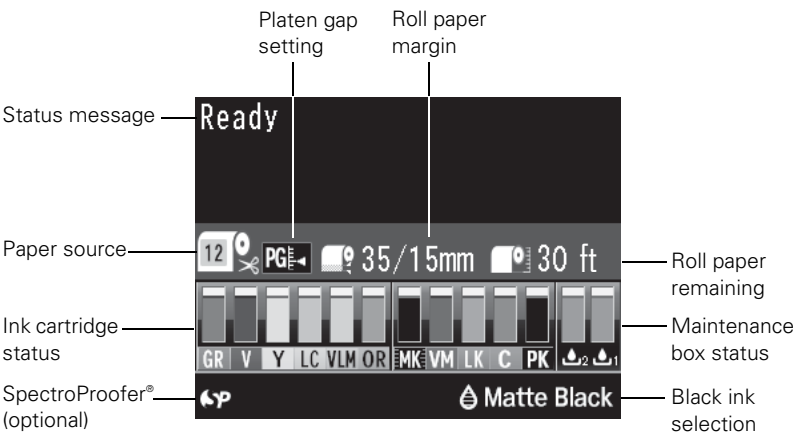
## Rear/Spindle



## Control panel



LCD screen



**Note:** The ink cartridges shown will vary based on the ink configuration. The second cartridge will either be V (Violet) or LLK (Light Light Black).

Selecting media for your printer

One of the key elements for achieving professional quality prints is selecting paper that is specifically optimized for your printer. Epson offers a variety of canvas, fine art, photo and proofing papers, as well as other media, for your printer. Most Epson® professional media are available in sizes from small cut sheets to wide-format rolls. Check the Epson Pro Imaging website at [www.proimaging.epson.com](http://www.proimaging.epson.com) (U.S.) or [www.proimaging.epson.ca](http://www.proimaging.epson.ca) (Canada) or your Epson Professional Imaging Authorized Reseller for available media.

The following table shows the supported paper sizes you can use:

|                                | Roll paper                                                 | Cut sheets                      |
|--------------------------------|------------------------------------------------------------|---------------------------------|
| Width                          | 8 to 17 in. (203 to 432 mm)                                | 8 to 17 in. (203 to 432 mm)     |
| Length                         | 2 in. core: 147.6 ft (45 m)<br>3 in. core: 100 ft (30.5 m) | 10 to 24 in. (254 to 610 mm)    |
| Maximum external roll diameter | 2 in. core: 4 in. (102 mm)<br>3 in. core: 6 in. (152 mm)   | —                               |
| Thickness                      | 3.15 to 19.7 mil (0.08 to 0.5 mm)                          | 3.15 to 59 mil (0.08 to 1.5 mm) |

Always test samples of media in the printer before purchasing large quantities or printing large jobs. If you use non-Epson paper or other media, you may need to adjust various settings and create special paper configurations. See the online *User's Guide* for details.

## Using roll paper

You can use roll paper with a 2- or 3-inch core and a width of up to 17 inches (43 cm).

### Setting up automatic media tracking and identification

Before you load roll paper in the printer, you can set up the automatic media tracking system. This prints a barcode on the edge of the paper that indicates the media type, roll length, and the alert setting when you press the  button.

When the printer is turned on or roll paper is loaded in the printer, the barcode is scanned, the media type is automatically set and displayed, and the amount of roll paper remaining is displayed on the LCD screen. You will see an alert message when the roll is nearly used up.

Before you start, make sure to unload any roll media that is currently in the printer. Make sure the printer is on.

1. Press the ► **Menu** button.
2. Press the ▼ button to select **Paper**, then press the ► button.
3. Press the ▼ button to select **Roll Paper Remaining**, then press the ► button.
4. Press the ► button to select **Remaining Paper Setup**.
5. Press the ▼ button, select **On**, and press the OK button.
6. Press the ◀ button to go back to **Remaining Paper Setup**.
7. Press the ▼ button to select **Roll Paper Length**, then press the ► button.
8. Select the length of the roll paper to be loaded in the printer, then press the OK button.  
**Note:** You can switch between meters and feet with the Units: Length setting in the Preferences menu.
9. Press the ◀ button to go back to **Remaining Paper Setup**.
10. Press the ▼ button to select **Roll Length Alert**, then press the ► button.
11. Select the roll paper length at which you want to receive an alert message, then press the OK button.
12. Press the  button to exit the menu.

## Printing trim lines

When Roll Paper/No Cut is selected as the paper type in the control panel, you can print a trim line (page line) between print jobs as a guide for manual cutting.

1. Press the ► Menu button.
2. Press the ▼ button to select Paper, then press the ► button.
3. Press the ▼ button to select Roll Paper Setup, then press the ► button.
4. Press the ► button to select Print Page Line.
5. Press the ▼ or ▲ button to select On.
6. Press the OK button to save the setting. A check mark appears next to On.
7. Press the II •  button to exit the menu.

You can also specify trim lines from your printer driver software. For instructions, see the online *User's Guide*.

## Manual paper cutting

When Roll Paper/No Cut is selected as the paper type in the control panel, you can cut roll paper after your print job is finished by pressing the ✂ button. See the above instructions on printing trim lines as a guide for manual cutting.

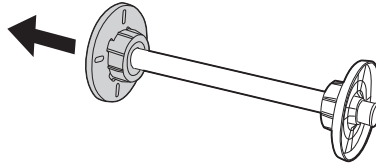
**Note:** The built-in cutter may not be able to cut some types of media. Heavy or thick media types may dull the cutter.

1. Press the ◀ button.
2. Press the ▼ button to select Roll Paper/No Cut, then press the OK button.
3. Run your print job.
4. Press and release the ✂ button to cut the paper using the built-in cutter.
5. If the paper cannot be cut by the built-in cutter, press the ▼ button to feed the paper to the manual cutting position. Then cut it manually.

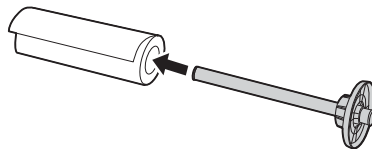
## Loading roll paper in the printer

Depending on the size of the roll paper core (2 inches or 3 inches), you may need to mount or remove the core adapter from the spindle. To perform borderless printing, you may need to install the spacer. See the online *User's Guide* for more information and instructions.

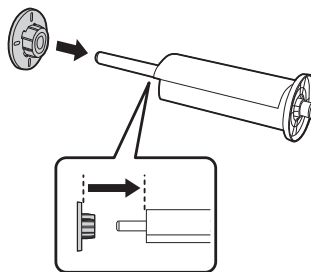
1. Remove the black paper stop off the end of the spindle.



2. Position the roll as shown, then slide it onto the spindle. The gray end should be on the right with the paper unwinding from the top. Make sure the roll is pushed all the way to the end of the spindle.



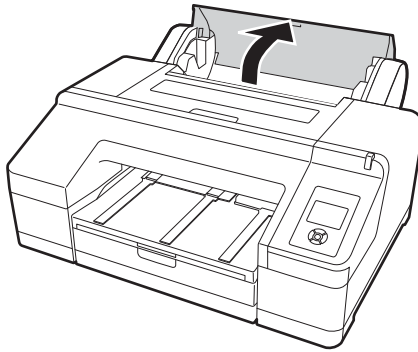
3. Firmly push the black paper stop back onto the spindle.



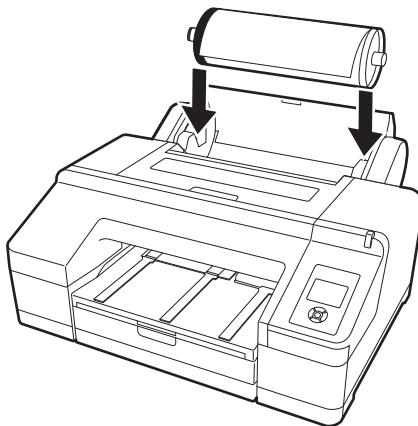
4. Make sure the paper source setting is selected for roll paper. Press the ◀ button on the control panel. Press the ▼ button to select Roll Paper/Cut or Roll Paper/No Cut, then press the OK button.

## 8 | Loading roll paper in the printer

5. Open the roll paper cover. Wipe out any dust from inside the empty roll paper holder, if necessary.



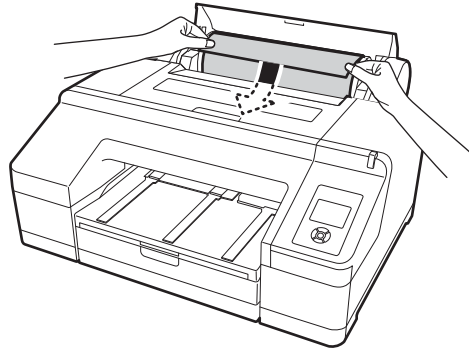
6. Place the roll paper in the printer as shown (the black end of the spindle goes on the left).



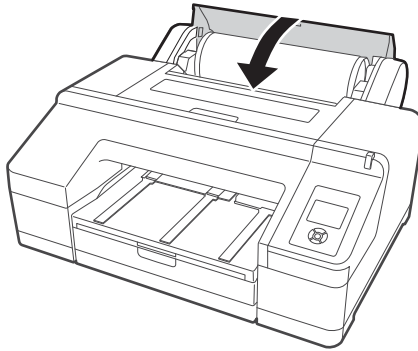
7. Press the  button on the control panel.

**Note:** Make sure the roll paper icon is displayed on the LCD screen.

8. Insert the leading edge of the roll paper into the roll paper feeder until the message on the LCD screen changes to “Press the  button.”



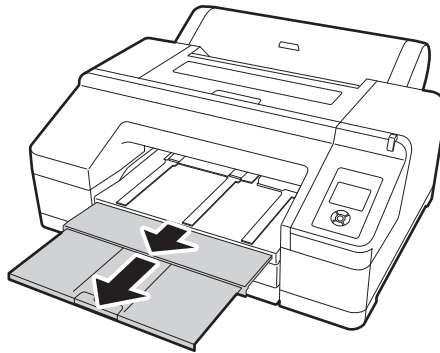
9. Press the  button. The printer automatically feeds the paper to the printing position.
10. Close the roll paper cover.



11. On the control panel, select **Yes** to use the displayed media type setting or **No** to choose a new setting from the Paper Type menu.

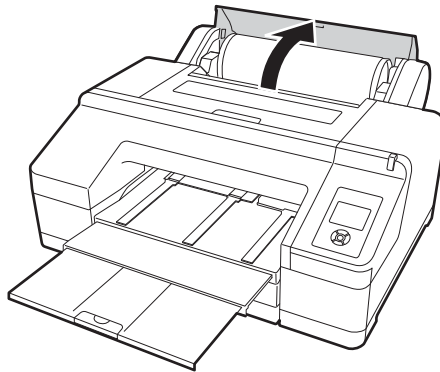
## 10 | Removing roll paper from the printer

12. Slide out the output tray. Do not raise the paper stopper. If the paper stopper is raised while printing on roll paper, longer page lengths may not eject correctly.



### Removing roll paper from the printer

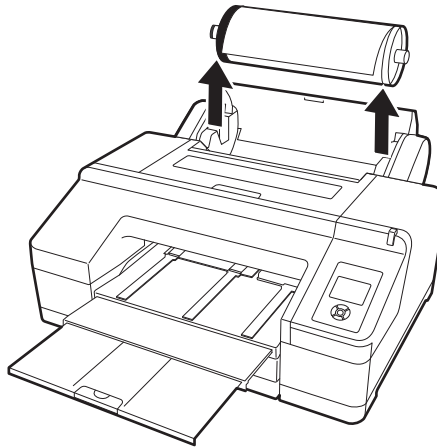
1. Open the roll paper cover.



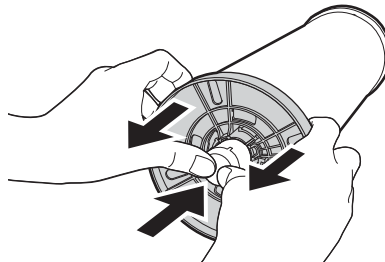
2. Press the  button to release the paper. The paper rewinds automatically.

**Note:** Make sure the roll paper is completely rewound before removing the spindle.

3. Hold both ends of the spindle and lift it up from the spindle holder.



4. Remove the black paper stop from the spindle as shown.



5. Remove the roll paper from the spindle.

6. Place the roll in its original package.

**Note:** Roll paper should be stored on end or horizontally (if the packaging end-caps are installed). Never store roll paper on its side, as a flat spot can develop and lead to imaging artifacts on the prints.

## Using cut sheets

You can print on many types of cut sheet paper and other media. The printer accepts sheets in widths from 8 inches (20 cm) to 17 inches (43 cm).

You can leave roll paper in the printer when you print on cut sheets.

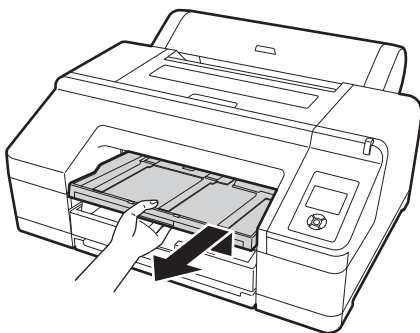
How you load the paper depends on its type and thickness:

- If the media is of the same type and up to 0.27 mm thick, load paper in the paper cassette.
- If you want to print one sheet at a time and up to 0.79 mm thick, load paper in the rear feed.
- If you want to print on media between 0.8 mm and 1.5 mm thick, load paper in the front feed.

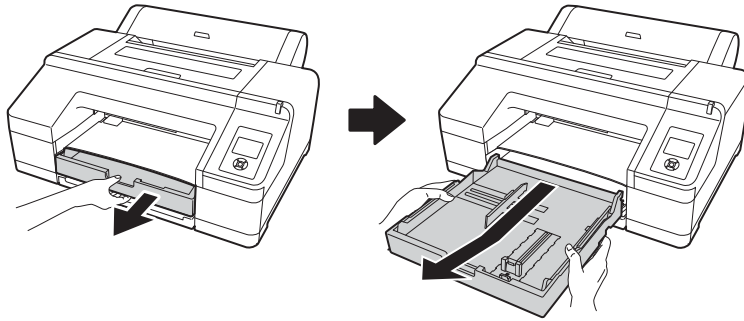
### Loading cut sheets in the paper cassette

You can load most photo and fine art sheet papers up to 0.27 mm thick in the paper cassette. For available paper types and instructions on loading paper larger than A3 size, see the online *User's Guide*. Make sure the roll paper cover is closed.

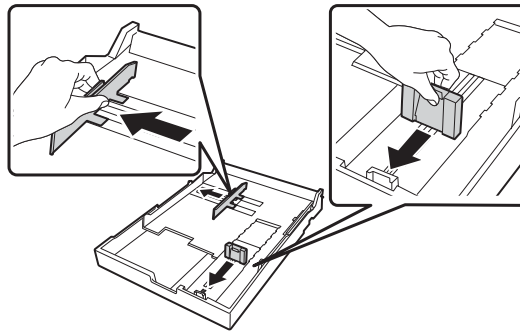
1. Make sure the paper source setting is selected for cut sheets. Press the ◀ button on the control panel. Press the ▼ button to select **Cut Sheet**, then press the **OK** button.
2. Lift the edge of the output tray and remove it.



3. Slide out the paper cassette, then pull it out.



4. Slide the edge guides outward.

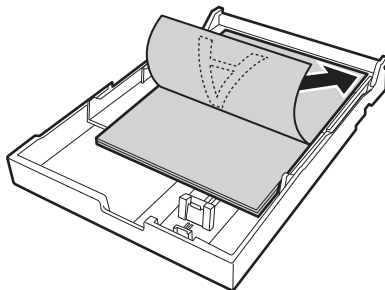


5. Fan a stack of paper, then gently tap it on a flat surface to even the edges.

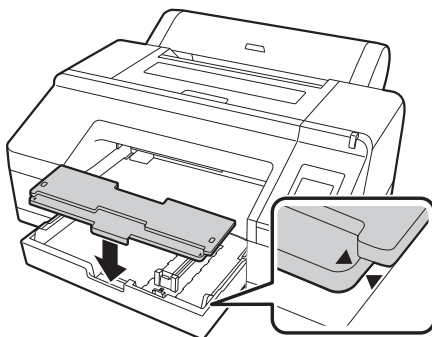


## 14 | Loading cut sheets in the paper cassette

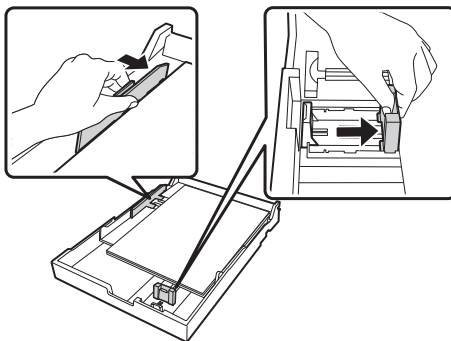
6. Wipe any dust off of the paper cassette surfaces, if necessary. Load the paper with the printable side facedown and short edge first. Place the paper all the way back in the paper cassette and next to the right edge. Make sure the paper fits under the arrow on the left edge guide.



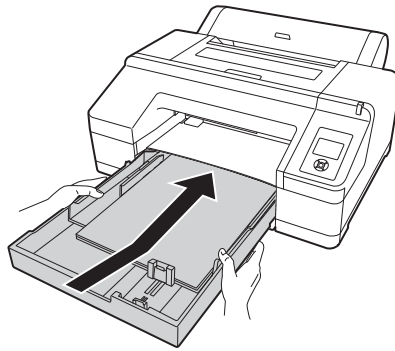
**Note:** When loading paper sized 13×19" or larger, make sure you install the paper cassette cover to prevent dust from entering the cassette.



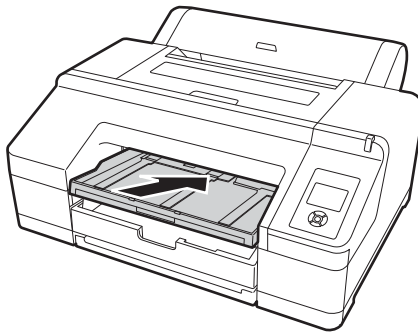
7. Slide the edge guides against the paper, but not too tightly.



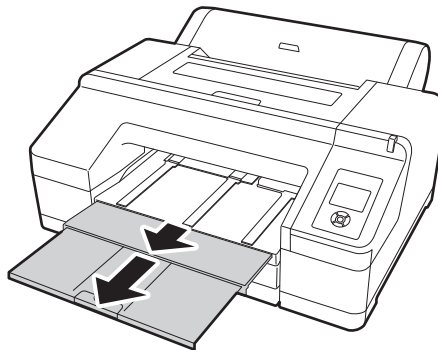
8. Insert the paper cassette and push it firmly into the printer.



9. Replace the output tray.



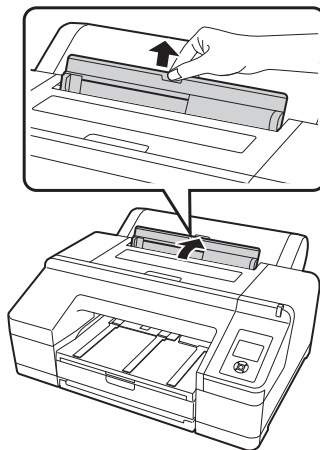
10. Extend the output tray to fit your paper size.



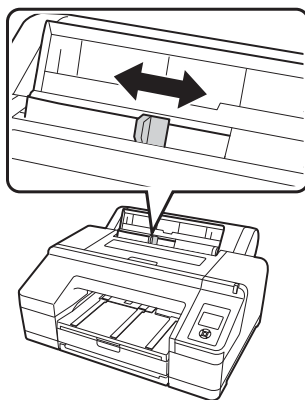
## Loading cut sheets in the rear manual feed

You can load one sheet of paper at a time up to 0.79 mm thick in the rear feed. For available paper types, see the online *User's Guide*.

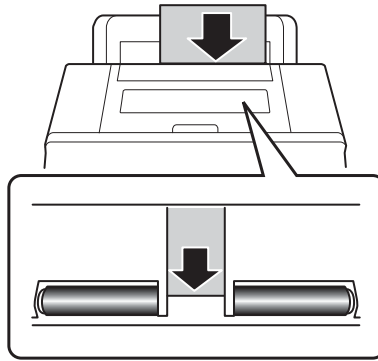
1. Make sure the paper source setting is selected for cut sheets. Press the ◀ button on the control panel. Press the ▼ button to select **Cut Sheet**, then press the **OK** button.
2. Raise and extend the paper support.



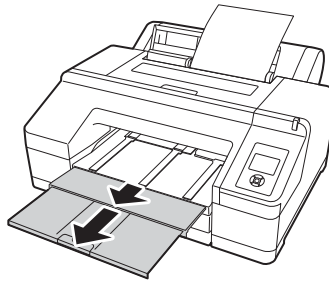
3. Adjust the edge guide according to the paper width.



4. Insert the paper into the rear feed, printable side faceup and aligned to the right edge guide, until it reaches the gray rollers firmly and evenly.



5. Extend the output tray if necessary to support the sheet as it comes out of the printer.

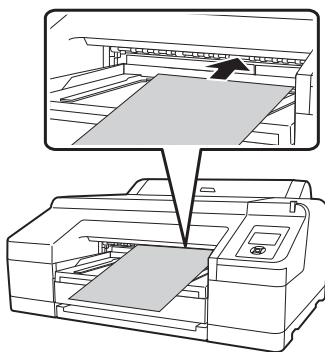


6. Press the ▼ button on the control panel to feed the paper through the printer.

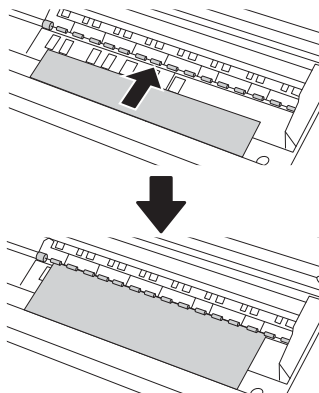
## Loading thick media in the front manual feed

You can load one sheet of thick paper or media between 0.8 mm and 1.5 mm thick in the front feed. For available paper types, see the online *User's Guide*.

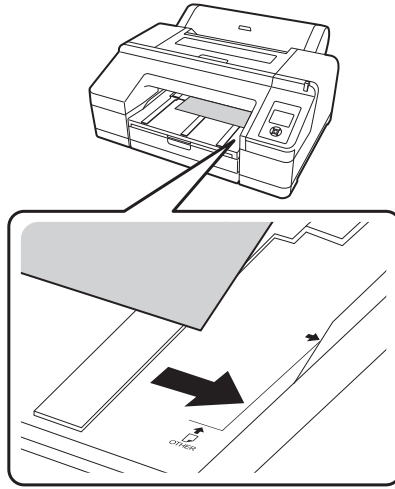
1. Make sure the paper source setting is selected for cut sheets. Press the ◀ button on the control panel. Press the ▼ button to select **Cut Sheet**, then press the **OK** button.
2. Press the  button to release the pressure roller.
3. Insert the paper with the printable side faceup over the black roller in the front manual feeder.



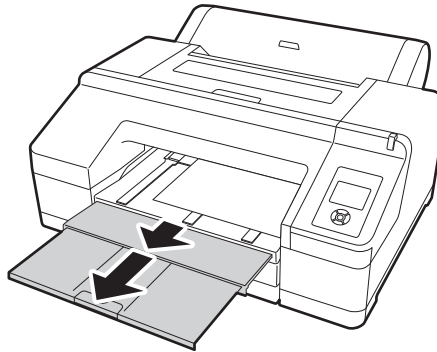
4. From the printer window, make sure the paper is inserted under the gray roller inside the printer.



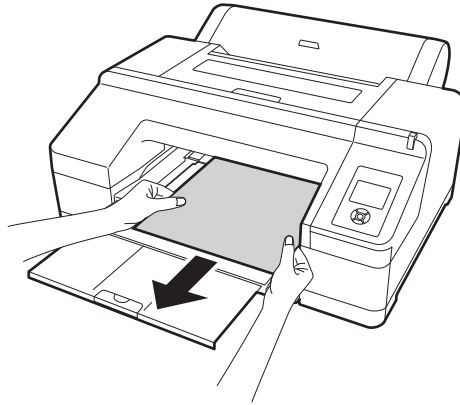
5. Insert the paper and align its edge with the guide line on the output tray.



6. Press the  button to feed the paper through the printer.
7. Extend the output tray to support the paper as it comes out of the printer. Do not raise the flap or paper may be ejected incorrectly.



8. When printing is finished, the pressure roller holds the paper and you must eject it. Press the  button to release the pressure roller, then pull out the paper.



9. Press the  button after removing the paper.

## Adjusting the platen gap for thick or thin paper

When you print on unusually thick or thin paper, you may need to adjust the platen gap setting. Standard is the default setting. However, if print quality is not satisfactory when using very thin or very thick media, you may need to change this setting.

**Note:** If you notice scuffs on the first few inches of your prints, this is caused by paper curl and print head strikes. Make sure your paper is flat. You can also try changing the Platen Gap setting to Wide. If that doesn't solve the problem, try changing it to Wider.

1. Press the ► button.
2. Press the ▼ button to select **Printer Setup** menu, then press the ► button.
3. Press the ► button to select **Platen Gap**.
4. Use the ▲ or ▼ button to choose **Narrow**, **Wide**, **Wider**, or **Widest**.

**Note:** To avoid damaging the printer, make sure you do not select the **Narrow** setting when you print on thick media.

**Note:** These settings override any settings in the Epson driver software.

5. Press the **OK** button to save the setting. A check mark appears next to the selected setting.
6. Press the **||•||** button to exit the menu.

If you've selected a non-standard platen gap, the following symbols appear on the LCD screen to remind you of the narrow or wide setting:

|                                                                                     |        |
|-------------------------------------------------------------------------------------|--------|
|  | Narrow |
|  | Wide   |
|  | Wider  |
|  | Widest |

When you switch media, don't forget to change the setting back to **Standard**.

If you're printing on non-Epson media and not using the Epson driver, you may also need to create a custom paper configuration to optimize your results. This can be done from the printer's control panel or using the Epson LFP Remote Panel 2 software. See the online *User's Guide* for more information.

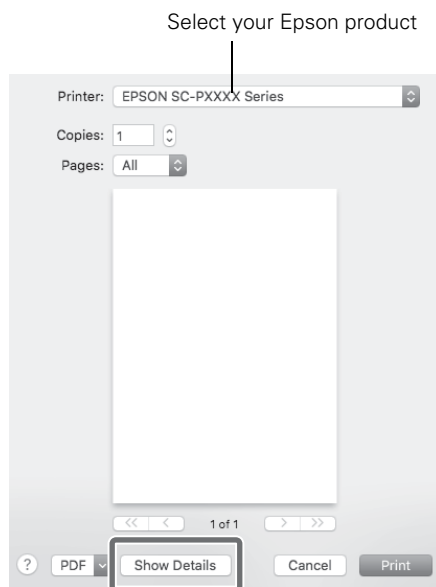
## Printing

This section describes basic printing from your Mac or Windows® computer. For detailed instructions, see the online *User's Guide*.

### Printing on a Mac

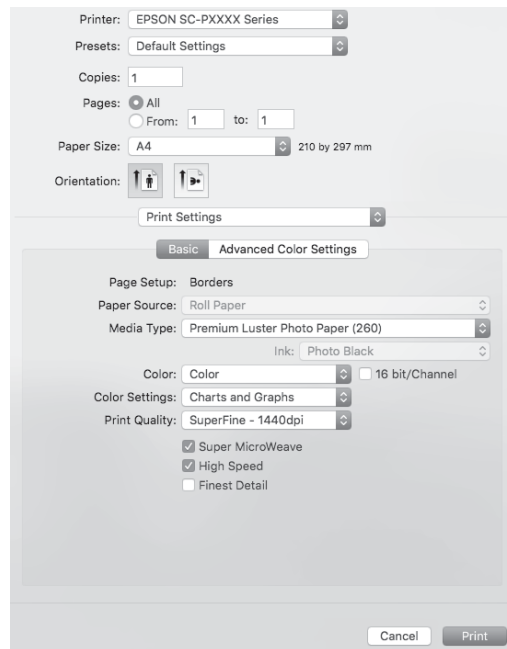
**Note:** Due to variations in operating system updates, application versions, and driver revisions, the print dialogs may not appear exactly as described.

1. Open a photo or document in a printing program, then select the print command in your application.
2. Select your product as the Printer setting.



3. Click Show Details.
4. Select the Paper Size setting for the paper size and source you are using.

5. Select **Print Settings** from the pop-up menu.



**Note:** In certain programs, you may need to select **Advanced** before you can select **Printer Settings**. For more information about print settings, click the ? button.

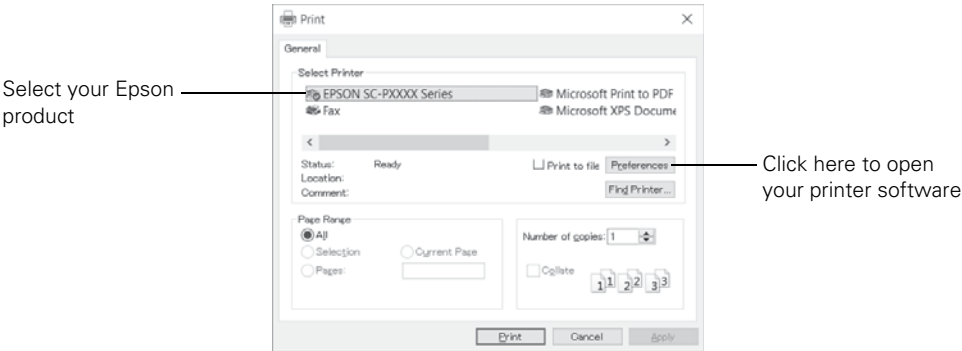
6. Select the Media Type setting that matches the paper you loaded.

**Note:** The ink type will change depending on the size and type of paper you select. To avoid changing black ink more often than necessary, set the printer to the type of black ink you usually use.

7. Select one of the Color options.
8. Select a Print Quality setting (available settings depend on selected media type).
9. Click **Print**.

## Printing in Windows

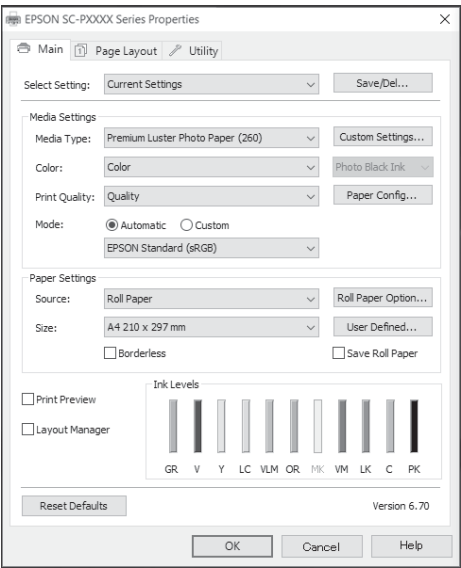
1. Open a photo or document in a printing program, and select the print option.



2. Select your product, then click the **Preferences** or **Properties** button.

**Note:** If you see a **Setup**, **Printer**, or **Options** button, click it. Then click **Preferences** or **Properties** on the next screen.

3. On the **Main** tab, select the **Media Type** setting that matches the paper you loaded.



4. For the Color setting, select **Color** for any type of photographic printing. To print black-and-white photos using Advanced B&W Photo mode, see the online *User's Guide* for instructions.

5. For the Print Quality setting, select **Speed**, **Quality**, or **Max Quality** (available with certain media types only), or select **Quality Options** to display advanced settings.
6. Select one of the Mode settings.
7. Choose the Source in which you loaded your paper.
8. Select the Size setting for the paper you loaded.

If you loaded roll paper, create a custom paper size. Select **User Defined** in the Size menu, then click the **User Defined** button. Type a name for your custom size, then enter a custom height and width. Click **Save**, click **OK**, then select your custom paper size in the Size menu.
9. If you're printing borderless photos, select **Borderless**, if available. To adjust the borderless expansion setting, click **Expansion**.
10. To reduce or enlarge your printout or print double-sided, click the **Page Layout** tab and select settings as necessary. (Click **Help** or see the online *User's Guide* for details.)
11. Click **OK** to save your settings.
12. Click **OK** or **Print** to start printing.

## Maintaining your printer

Follow the instructions in this section to perform basic maintenance on your printer. For detailed instructions, see the online *User's Guide*.

### Managing dust

Keeping your printer clean and free of dust will reduce the need for print head maintenance. Always use the paper cassette cover when printing cut sheets sized 13×19" or larger, and keep the roll paper cover closed when not in use.

### Checking ink status

Before you begin a large print job, you should check your ink levels. If one of your cartridges is low, you can replace it before you start. Or you can wait until the ink is expended, replace the cartridge, and then continue the job without any loss of print quality. However, it is best to replace a low ink cartridge before starting a large print job.

The easiest way to check ink levels is from the control panel LCD screen. The numbers above the ink icons on the LCD screen correspond to the 11 ink cartridge slots on the printer. The icons show the approximate amount of ink remaining.

### Replacing ink cartridges

When the  ink light is flashing and an icon appears above a cartridge on the LCD screen, the indicated cartridge is almost expended. Make sure you have a replacement cartridge. When the  ink light stays on and the icon appears above a cartridge on the LCD screen, the cartridge is expended. You must replace the cartridge before you can continue printing.

**Note:** Replace all expended cartridges. You cannot print if any of the slots are empty.

Use the following Epson® UltraChrome HDX® 200 ml ink cartridges:

| Ink bay | Slot no. | Cartridge                | Part no. |
|---------|----------|--------------------------|----------|
| Left    | 1        | Green (G)                | T913B    |
|         | 2        | Light Light Black (LLK)* | T9139    |
|         |          | Violet (V)**             | T913D    |
|         | 3        | Yellow (Y)               | T9134    |
|         | 4        | Light Cyan (LC)          | T9135    |
|         | 5        | Vivid Light Magenta (LM) | T9136    |
|         | 6        | Orange (O)               | T913A    |
| Right   | 7        | Matte Black              | T9138    |
|         | 8        | Vivid Magenta (M)        | T9133    |
|         | 9        | Light Black (LK)         | T9137    |
|         | 10       | Cyan (C)                 | T9132    |
|         | 11       | Photo Black (K)          | T9131    |

\* Standard and Designer Edition only

\*\* Commercial Edition only

**Note:** We recommend that you use genuine Epson cartridges and do not refill them. The use of other products may affect your print quality and could result in printer damage.

Once installed, the ink color configuration cannot be changed.

Yields vary considerably based on images printed, print settings, paper type, frequency of use, and temperature. For print quality, a small amount of ink remains in the cartridge after the  ink light comes on.

For best printing results, use up a cartridge with six months of opening the package.

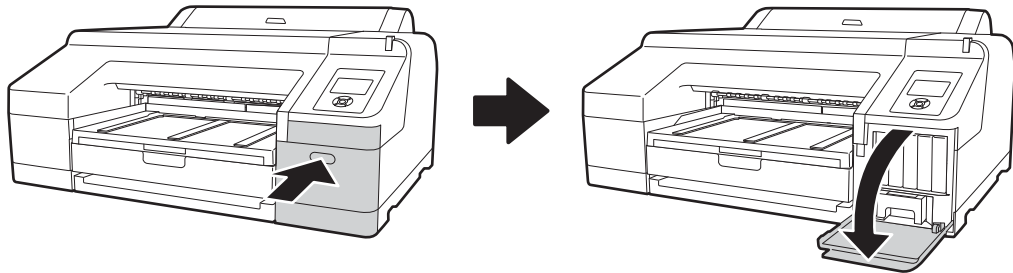
**Caution:** Leave the expended cartridge in the printer until you are ready to replace it.

To prevent ink reporting errors, never replace the ink cartridges with the printer turned off.

You can purchase genuine Epson ink and paper from an Epson Professional Imaging Authorized Reseller. To find the nearest reseller or to purchase online, visit [www.proimaging.epson.com](http://www.proimaging.epson.com) (U.S.) or [www.proimaging.epson.ca](http://www.proimaging.epson.ca) (Canada). Or call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada.

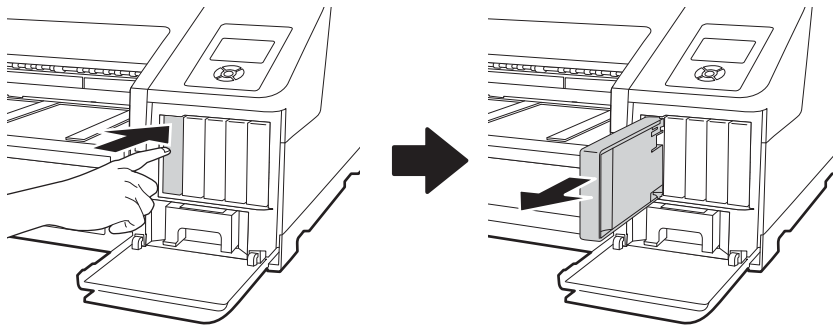
Before you start, make sure the printer is turned on.

1. Note the color of the cartridge that is low or expended.
2. Press the ink compartment cover to open it.



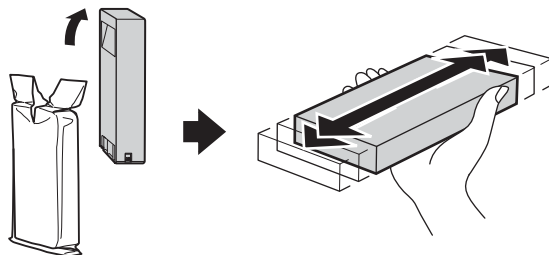
3. Press in the low or expended cartridge you want to replace. The cartridge pops out. Remove the ink cartridge from the printer. Save your first set of expended cartridges so you can use them for transporting the printer, if necessary.

**Note:** Never leave an ink cartridge empty or you will not be able to print.

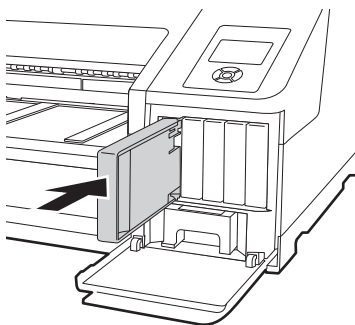


**Caution:** Do not shake the expended cartridge, or ink may leak. If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them immediately with water. Keep ink cartridges out of the reach of children.

4. Make sure you have the correct color for the replacement cartridge and remove it from its package. Gently shake the cartridge for about 15 seconds before installing it. Do not touch the green chip on the cartridge.



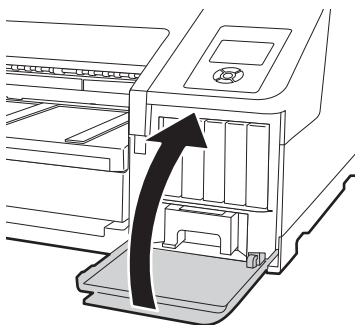
5. Hold the cartridge with the arrow pointing toward the printer. Then insert the cartridge into the slot until it clicks into place. Do not force it in.



**Caution:** Do not remove and re-insert cartridges more often than necessary. Doing so can compromise the needle valve seal and allow air to enter the ink tubes, causing nozzle damage.

**Note:** If the ink cartridges are not used on a frequent basis, remove the cartridges every 3 months, shake them gently for 10–15 seconds, and re-insert them.

6. Close the ink compartment cover.



Wait for the printer to check the ink cartridges and charge the ink delivery system.

**Caution:** Never turn off the printer while ink is charging or you'll waste ink.

## Printing status information

The status check sheet shows some of the current default settings, the page count, and the status of the maintenance tanks.

1. Make sure paper is loaded in the printer.
2. Press the ► Menu button.
3. Press the ▼ button to select **Printer Status**, then press the ► button.
4. Press the ▼ button to select **Print Status Sheet**, then press the ► button.
5. Press the OK button to start printing.

## Checking printer status from the printer driver

The Epson Status Monitor utility installed with your printer driver lets you check the levels of ink in the printer and the level of the maintenance tank(s). Follow the steps below to use the utility to check the status.

1. Do one of the following to access the printer utilities:
  - **Mac:** In the Apple menu or the Dock, select **System Preferences**. Select **Printers & Scanners**, **Print & Fax** or **Print & Scan**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.
  - **Windows:** Double-click the  icon in the bottom right corner of your screen (the taskbar).
2. Select **EPSON Status Monitor**.

The software checks the amount of ink in the printer and maintenance tank(s) and displays one of these windows:



## Checking and cleaning the print head

If your printed image shows a color shift or horizontal lines, you should check the print head to see if any nozzles are clogged or deflected. If necessary, you can run a cleaning cycle to clear the nozzles.

You can also turn on Auto Nozzle Check from the printer's control panel. The printer will then check the nozzles periodically or before each print job and clean them if necessary.

### ***Automatically checking and cleaning the print head***

The printer automatically checks the nozzles and cleans them if necessary. You can specify how often you want this to happen or turn this feature off. You can also have a nozzle check pattern printed on a regular basis, so you can check it yourself.

1. Press the ► Menu button.
2. Press the ▼ button to select **Printer Setup**, then press the ► button.
3. Press the ▼ button until **Auto Nozzle Check** is selected, then press the ► button.
4. Press the ▼ button until **Auto Cleaning Setting** is selected, then press the ► button.
5. Select one of the following, then press the OK button:
  - **On:Periodically:** The printer periodically checks its nozzles and runs a cleaning cycle if necessary (default).
  - **On:Every Job:** The printer automatically checks its nozzles and runs a cleaning cycle if necessary before each print job. This process uses a very small amount of ink (and no paper) and is recommended if you are running large print jobs unattended.
  - **Off:** The printer will not perform automatic nozzle checks and cleaning cycles.
6. Press the ◀ button twice to return to the **Printer Setup** menu.
7. Press the ▼ button until **Print Nozzle Pattern** is selected, then press the ► button.
8. Select how often you want the printer to automatically print a nozzle check pattern. These settings take effect only when you print on roll paper. Press OK to save the setting.

## Checking the print head nozzles using the control panel

### Printless nozzle check

You can check the status of the nozzles and determine if any of them are clogged from the control panel. If clogged nozzles are detected, you can also clean them automatically from the control panel.

1. Press the  button.
2. Press the ► button to select **Nozzle Check**.
3. Press the **OK** button to select **Printless Nozzle Check**. The nozzle check begins.
4. If no nozzle clogs are detected, press the **OK** button to return to the main screen.
5. If a nozzle clog is detected, a message appears on the LCD screen and displays which nozzles are clogged. Press the  button to begin automatic cleaning. If you select **Finish**, you risk printing that may exhibit banding from clogged nozzles. It is recommended to print a nozzle check pattern and clean nozzles as necessary before continuing to print (see page 33 for instructions).

### Printing a nozzle check pattern

You can print a nozzle check from the control panel and examine it to determine whether any nozzles are clogged. Then you can run a cleaning cycle if necessary. Before you start, make sure you have loaded roll paper or a cut sheet that is letter-/A4-size or larger.

1. Press the  button.
2. Press the ► button to select **Nozzle Check**.
3. Press the ▼ button to select **Print Check Pattern**, then press the **OK** button. The nozzle check pattern begins to print.
4. After the pattern is printed, use at least a 10× magnification eye loupe to examine it.

**Caution:** Don't run a cleaning cycle while thick media is loaded in the printer.

- If the pattern looks good, as shown below, the print head is clean.



- If any dots or segments are missing or deflected, as shown below, run a cleaning cycle as described on page 35. Then print another nozzle check pattern to make sure the nozzles are clean.

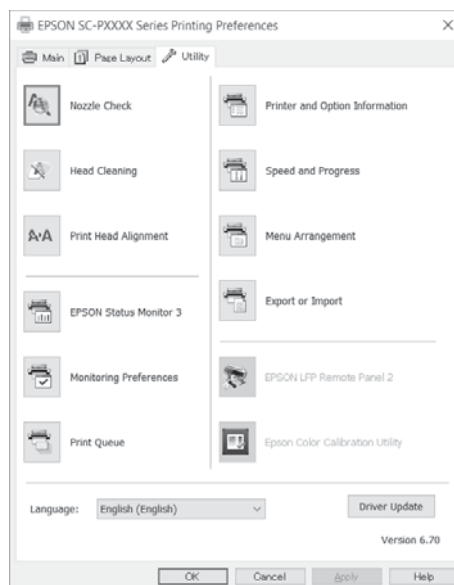


### ***Checking the print head nozzles using a computer***

Follow these steps to use your printer software to check the print head nozzles and clean them if necessary:

1. Make sure paper is loaded in the printer.
2. Do one of the following to access the printer utilities:
  - **Mac:** In the Apple menu or the Dock, select **System Preferences**. Select **Printers & Scanners**, **Print & Fax** or **Print & Scan**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.
  - **Windows:** Right-click the  icon in the bottom right corner of your screen (the taskbar). Select **Printer Settings**, and select the **Maintenance** tab.

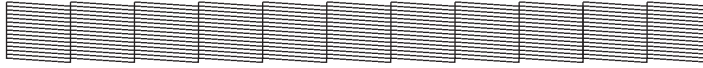
You see a menu like this:



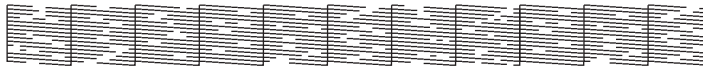
3. Select the **Nozzle Check** icon and follow the instructions on the screen.

4. After the pattern is printed, use at least a 10× magnification eye loupe to examine it.

- If the pattern does not have any gaps, the print head is clean.



- If any dots or segments are missing or deflected, as shown below, run a cleaning cycle as described on page 35. Then print another nozzle check pattern to make sure the nozzles are clean.



**Caution:** Don't run a cleaning cycle while thick media is loaded in the printer.

### ***Running cleaning cycles***

You can run several types of cleaning cycles from the control panel (or from the Epson LFP Remote Panel 2): normal cleaning, heavy cleaning, and powerful cleaning.

**Note:** Run a heavy or powerful cleaning cycle only if three normal cleaning cycles are not sufficient to clear the nozzles. The heavy and powerful cleaning cycles use a large quantity of ink and should only be used if necessary. After running a heavy or powerful cleaning cycle, the printer runs normal cleaning cycles periodically even if the Auto Cleaning setting is off.

The cartridges need to be at least 50% full to run a heavy cleaning. You may need to replace a low cartridge to run the cleaning cycle. After cleaning, you can reinsert the previous cartridge.

**Caution:** Don't run a cleaning cycle while thick media is loaded in the printer.

1. Print a nozzle check to make sure the print head needs cleaning, as described on page 33.
2. Make sure the printer is ready and the  ink light on the printer's control panel is not on or flashing.
3. Press the  / **Black** button.
4. Press the  button to select **Head Cleaning**, then press the  button.
5. To select specific nozzles to clean, press the  button to select **Select Nozzles**, then press the  button. Press the  or  buttons to select specific colors, then press the **OK** button.

To clean all nozzles, select **All Nozzles**, then press the  button.

6. Select the power level of the cleaning, then press the **OK** button to start the cleaning cycle.

7. When cleaning is finished and the power light stops flashing, a confirmation screen appears. Select **Nozzle Check** and press the **OK** button to print the nozzle check again to confirm that the head is clean. For effective cleaning, always run a nozzle check between cycles.

If the pattern is still missing segments or has deflections after a normal cleaning cycle, turn the printer off and leave it overnight, then clean the print head again the following morning with regular cleaning cycles. If there are still missing segments, run a heavy cleaning cycle or see the online *User's Guide* for instructions on running a powerful cleaning cycle.

## Aligning the print head

Properly aligning the print head ensures the best print quality. If banding appears on your prints, if they look grainy or blurry, or if you see misregistration or “ghosting,” you need to align the print head.

Although you can align the print head using the printer utility software, aligning the printer from the control panel will quickly and automatically perform the most thorough alignment.

If you haven't already done so, run a nozzle check before aligning the print head (page 33).

1. Make sure the printer is loaded with Epson Doubleweight Matte paper, Epson Enhanced Matte paper, or Epson Ultra Premium Photo Paper Luster.

**Note:** Make sure you select the matching paper type on the printer.

2. Press the  / **A•A** button.
3. Press the ▼ button to select **Head Alignment**, then press the ► button.
4. Press the ▼ button to select **Alignment**, then press the ► button.
5. Press the ► to select **Auto**, then press the ► button.
6. Press the ▼ button to select **Bi-D All**. This is usually the only type of alignment you need to run.
7. Press the **OK** button to start the alignment process.

Each head alignment takes about 10 minutes. The printer's white beam sensor reads the alignment pattern and adjusts the printer automatically. Make sure you don't open the front cover or turn off the printer during this process.

## Ordering supplies and optional accessories

| Part                                                                                   | Part number                     |
|----------------------------------------------------------------------------------------|---------------------------------|
| Ink cartridges                                                                         | See page 27 for a complete list |
| Replacement ink maintenance tank                                                       | T619000                         |
| Replacement border free maintenance tank                                               | T619100                         |
| Roll paper feed cleaning sheet                                                         | C13S400045                      |
| SpectroProofer 17" UVS                                                                 | SPECTRO17UVS                    |
| Additional 2"/3" roll media spindle                                                    | C12C811251                      |
| Replacement printer cutter blade                                                       | C12C815351                      |
| Additional one-year Epson Preferred <sup>SM</sup> Plus service plan for SpectroProofer | EPPSPB1                         |
| Additional one-year Epson Preferred Plus service plan                                  | EPP49B1                         |
| Additional two-year Epson Preferred Plus service plan                                  | EPP49B2                         |

You can purchase optional equipment and genuine Epson ink and media from an Epson Professional Imaging Authorized Reseller. To find the nearest reseller or to purchase online, visit [www.proimaging.epson.com](http://www.proimaging.epson.com) (U.S.) or [www.proimaging.epson.ca](http://www.proimaging.epson.ca) (Canada). Or call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada.

## Where to get help

Epson provides technical support and information on the installation, configuration, and operation of professional printing products through the Epson Preferred<sup>SM</sup> Limited Warranty Plan.

Call (562) 276-1305 (U.S.) or (905) 709-3481 (Canda), 6 AM to 6 PM, Pacific Time, Monday through Friday. Days and hours of support are subject to change without notice. Before you call, make sure you have your:

- Printer serial number: \_\_\_\_\_
- Proof of purchase and date: \_\_\_\_\_

Visit Epson's support website at [www.epson.com/support](http://www.epson.com/support) (U.S.) or [www.epson.ca/support](http://www.epson.ca/support) (Canada) and select your product for solutions to common problems. You can download drivers, firmware, and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

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