



# **L3110 User's Guide**



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# L3110 User's Guide

Welcome to the L3110 *User's Guide*.

For a printable PDF copy of this guide, [click here](#).

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# Product Basics

See these sections to learn about the basic features of your product.

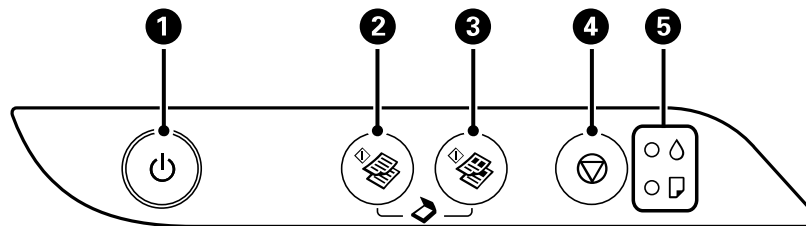
[Control Panel Buttons and Lights](#)







[Product Parts Locations](#)

[Changing the Default Paper Size in the Control Panel](#)

[The Power Off and Sleep Timers](#)

## Control Panel Buttons and Lights



- 1 The  power button and light
- 2 The  B&W copy button
- 3 The  color copy button
- 4 The  stop button
- 5 The  ink and  paper light

Parent topic: [Product Basics](#)

## Product Parts Locations

See these sections to identify the parts on your product.

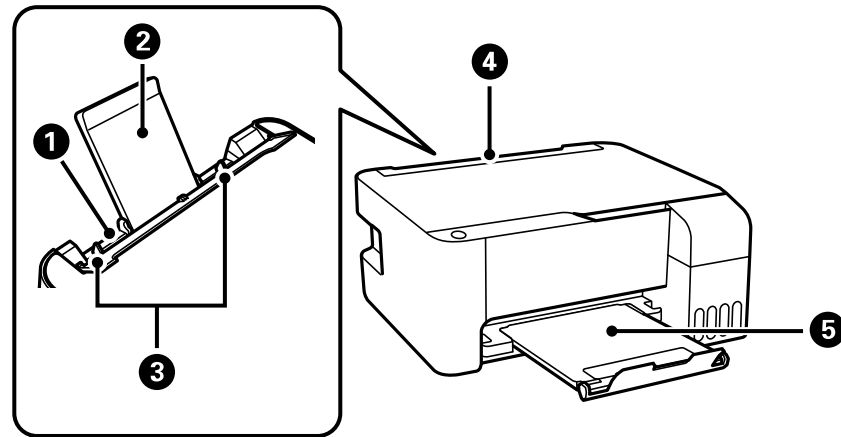
[Product Parts - Front](#)

[Product Parts - Inside](#)

[Product Parts - Back](#)

Parent topic: [Product Basics](#)

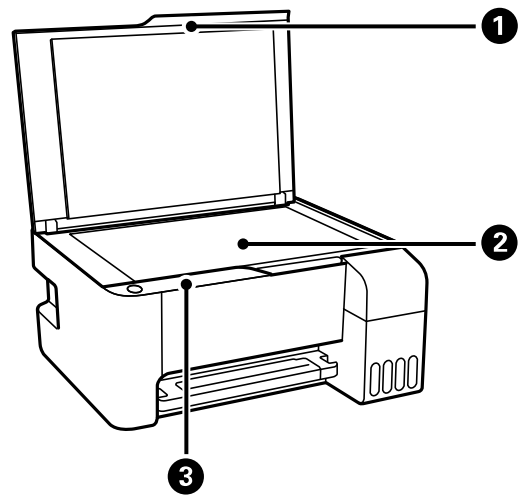
## Product Parts - Front



- 1 Rear paper feed
- 2 Paper support
- 3 Edge guides
- 4 Feeder guard
- 5 Output tray

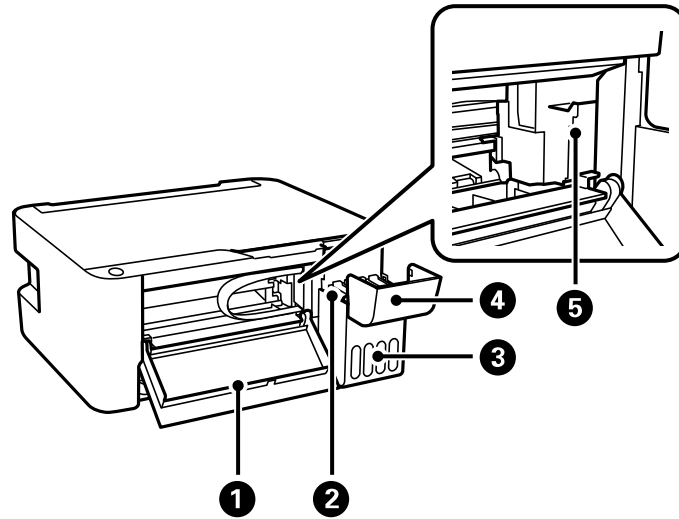
Parent topic: [Product Parts Locations](#)

## Product Parts - Inside



- 1 Document cover
- 2 Scanner glass

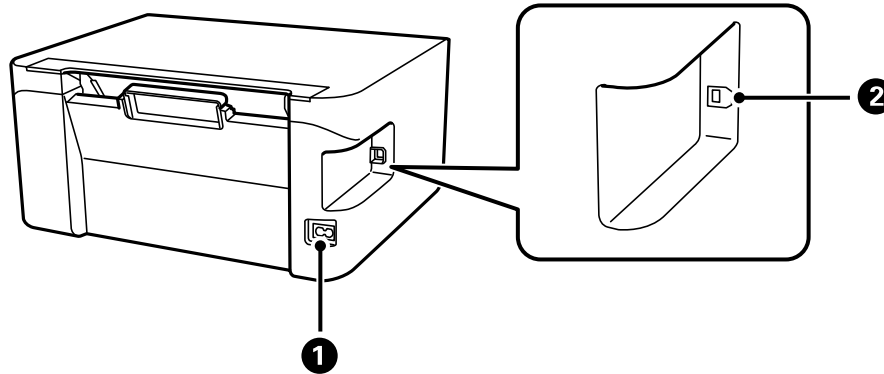
### 3 Control panel



- 1 Front cover
- 2 Ink tanks
- 3 Ink tank unit
- 4 Ink tank cover
- 5 Print head

**Parent topic:** [Product Parts Locations](#)

## Product Parts - Back







- 1 AC inlet
- 2 **USB** port

Parent topic: [Product Parts Locations](#)

## Changing the Default Paper Size in the Control Panel

Depending on your region, the default paper size for copies is either A4 (8.3 × 11.7 inches [210 × 297 mm]) or Letter (8.5 × 11 inches [216 × 279 mm]).

- To change the default paper size to A4 (8.3 × 11.7 inches [210 × 297 mm]), make sure the product is turned off, then hold down the  color copy button and press the  power button to turn the product on. When the product turns on, release both buttons.
- To change the default paper size to Letter (8.5 × 11 inches [216 × 279 mm]), make sure the product is turned off, then hold down the  B&W copy button and press the  power button to turn the product on. When the product turns on, release both buttons.

Parent topic: [Product Basics](#)

## The Power Off and Sleep Timers

The product enters sleep mode or turns off automatically if it is not used for a period of time. You can adjust the time period before power management begins, but increasing the time reduces the product's energy efficiency.



[Changing the Power Off and Sleep Timer Settings - Windows](#)

[Changing the Power Off and Sleep Timer Settings - Mac](#)

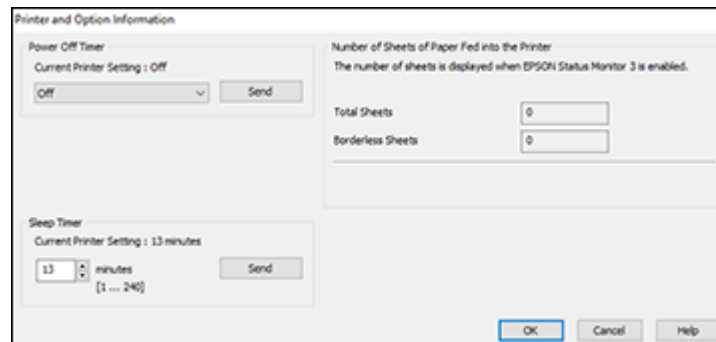
Parent topic: [Product Basics](#)

## Changing the Power Off and Sleep Timer Settings - Windows

You can use the printer software to change the time period before the printer enters sleep mode or turns off automatically.

1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click . Select **Printer Settings** and click the **Maintenance** tab.
2. Click the **Printer and Option Information** button.

You see this window:



3. Select the time period you want as the **Power Off Timer** setting.
4. Click **Send**.
5. Select the time period you want as the **Sleep Timer** setting.
6. Click **Send**.
7. Click **OK** to close the open program windows.

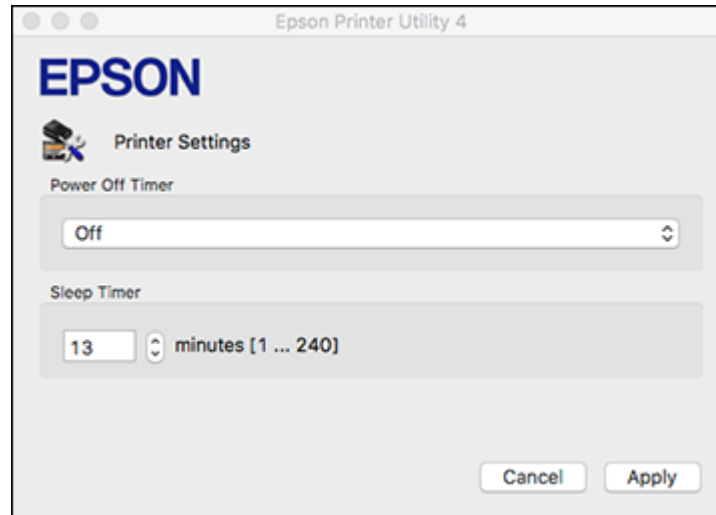
Parent topic: [The Power Off and Sleep Timers](#)

## Changing the Power Off and Sleep Timer Settings - Mac

You can use the printer software to change the time period before the printer enters sleep mode or turns off automatically.

1. In the Apple menu or the Dock, select **System Preferences**. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.
2. Select **Printer Settings**.

You see this screen:



3. Select the time period you want as the **Power Off Timer** setting.
4. Select the time period you want as the **Sleep Timer** setting.
5. Click **Apply**.
6. If you see the confirmation message, click **Yes**, and close the Printer Settings window.

**Parent topic:** [The Power Off and Sleep Timers](#)



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# Loading Paper

Before you print, load paper for the type of printing you will do.

[Loading Paper in the Sheet Feeder](#)

[Paper Loading Capacity](#)

[Double-sided Printing Capacity](#)

[Compatible Epson Papers](#)

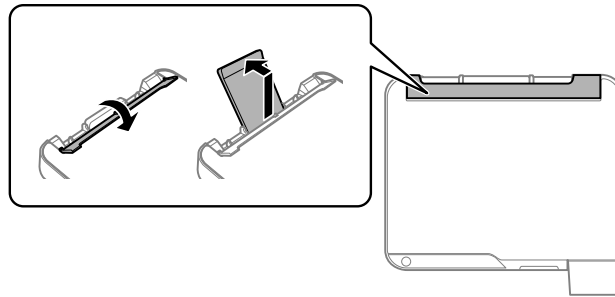
[Borderless Paper Type Compatibility](#)

[Paper or Media Type Settings - Printing Software](#)

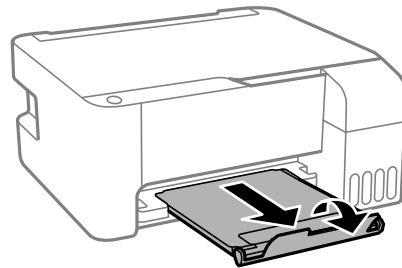
## Loading Paper in the Sheet Feeder

You can print documents and photos on a variety of paper types and sizes.

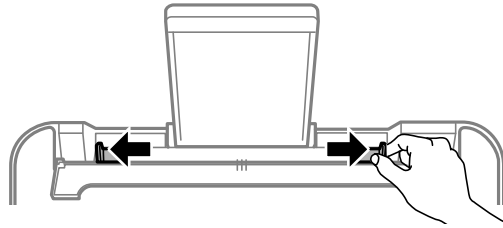
1. Flip the feeder guard forward, then raise the paper support.



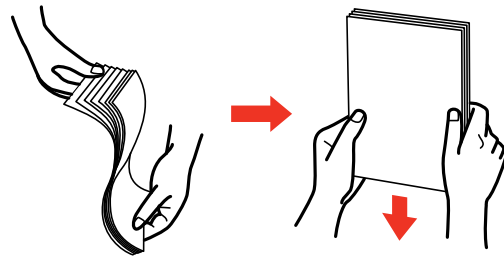
2. Pull out the output tray and open the paper stopper.



3. Slide the edge guides out all the way.

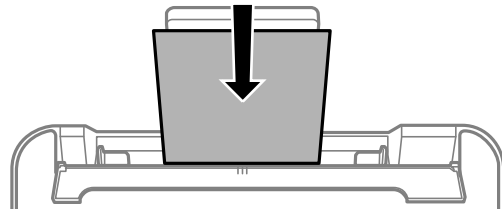


4. If you are inserting a stack of paper, fan the sheets first and tap the stack on a flat surface to even the edges.

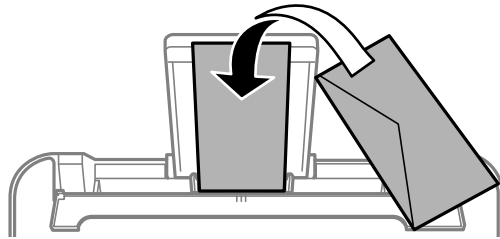


**Note:** Do not fan or curl photo paper.

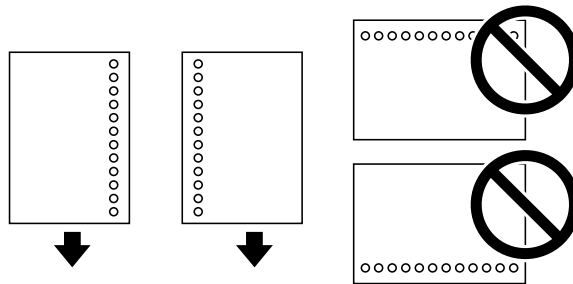
5. Do one of the following:
  - Insert paper, glossy or printable side up and short edge first, in the center of the paper support.



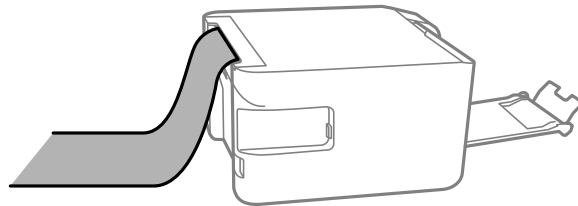
- Load up to 10 envelopes in the center of the paper support. Load them printable side up and flap edge left.



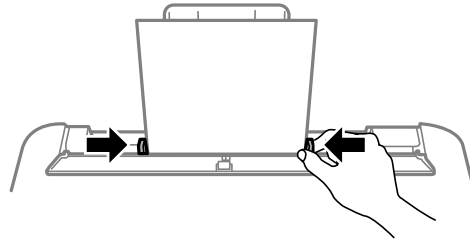
- Load a sheet of loose-leaf or other paper with holes facing as shown.



- To load a sheet of paper longer than legal size, close the paper support and flatten the leading edge of the paper as shown.



6. Slide the edge guides against the paper, but not too tightly. Then flip the feeder guard back.



Always follow these paper loading guidelines:

- Load only the recommended number of sheets.
- Load paper short edge first, no matter which way your document faces.
- Load letterhead or pre-printed paper top edge first.
- Do not load paper above the arrow mark inside the edge guide.
- If you have trouble loading a stack of envelopes, press each envelope flat before loading it or load one envelope at a time.
- Do not load envelopes that are curled, folded, or too thin, or that have plastic windows or exposed adhesive flaps.
- Check the paper package for any additional loading instructions.
- If you use paper with binder holes, load only one sheet at a time in only these sizes: Letter (8.5 × 11 inches [216 × 279 mm]), A4 (8.3 × 11.7 inches [210 × 297 mm]), or Legal (8.5 × 14 inches [216 × 356 mm]).

**Parent topic:** [Loading Paper](#)

**Related references**

[Paper Loading Capacity](#)

[Paper Specifications](#)

## Paper Loading Capacity

Paper type	Loading capacity
Plain paper Copy paper	Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]) size or smaller: Up to the line indicated by the arrow mark
	Legal (8.5 × 14 inches [216 × 356 mm]) or 8.5 × 13 inches (216 × 330 mm) size: 1 sheet
Epson Bright White Pro Paper	Up to the line indicated by the arrow mark
Epson Presentation Paper Matte Epson High Quality Ink Jet Paper	80 sheets
Epson Premium Presentation Paper Matte Epson Photo Paper Glossy Epson Premium Photo Paper Glossy Epson Ultra Premium Photo Paper Glossy Epson Premium Photo Paper Semi-gloss	20 sheets If paper feeds incorrectly, or printing is uneven or smeared, load 1 sheet at a time.
Epson Premium Presentation Paper Matte Double-sided	1 sheet
Envelopes	10 envelopes

Parent topic: [Loading Paper](#)

## Double-sided Printing Capacity

You can print double-sided on the paper types and sizes listed here.

Paper type	Size	Double-sided printing capacity
Plain paper Copy paper	Letter (8.5 × 11 inches [216 × 279 mm]), A4 (8.3 × 11.7 inches [210 × 297 mm]), A5 (5.8 × 8.2 inches [148 × 210 mm]), or A6 (4.1 × 5.8 inches [105 × 148 mm])	30 sheets
	Legal (8.5 × 14 inches [216 × 356 mm]) or User-defined sizes	1 sheet
Epson Bright White Pro Paper	Letter (8.5 × 11 inches [216 × 279 mm])	30 sheets
Epson Premium Presentation Paper Matte Double-sided	Letter (8.5 × 11 inches [216 × 279 mm])	1 sheet

You cannot print double-sided on the following paper types:

- Epson High Quality Ink Jet Paper
- Epson Presentation Paper Matte
- Epson Photo Paper Glossy
- Epson Premium Photo Paper Glossy
- Epson Premium Photo Paper Semi-gloss
- Epson Ultra Premium Photo Paper Glossy
- Epson Premium Presentation Paper Matte
- Envelopes

Parent topic: [Loading Paper](#)

## Compatible Epson Papers

You can purchase genuine Epson ink and paper from an Epson authorized reseller. To find the nearest reseller, visit [epson.com.jm](http://epson.com.jm) or call your nearest Epson sales office.

**Note:** Paper/media availability varies by country.

Paper Type	Size	Part number	Sheet count
Epson Bright White Pro Paper	Letter (8.5 × 11 inches [216 × 279 mm])	S041586	500

Paper Type	Size	Part number	Sheet count
Epson Presentation Paper Matte	Legal (8.5 × 14 inches [216 × 356 mm])	S041067	100
Epson Premium Presentation Paper Matte	8 × 10 inches (203 × 254 mm)	S041467	50
	Letter (8.5 × 11 inches [216 × 279 mm])	S041257	50
Epson High Quality Ink Jet Paper	A4 (8.3 × 11.7 inches [210 × 297 mm])	S041117	100
	Letter (8.5 × 11 inches [216 × 279 mm])	S041111	100
Epson Premium Presentation Paper Matte Double-sided	Letter (8.5 × 11 inches [216 × 279 mm])	S041568	50
Epson Photo Paper Glossy	4 × 6 inches (102 × 152 mm)	S041809	50
		S042038	100
	Letter (8.5 × 11 inches [216 × 279 mm])	S041141	20
		S041649	50
S041271	100		
Epson Premium Photo Paper Glossy	4 × 6 inches (102 × 152 mm)	S041808	40
		S041727	100
	16:9 wide (4 × 7.1 inches [102 × 181 mm])	S042109	20
	5 × 7 inches (127 × 178 mm)	S041464	20
	8 × 10 inches (203 × 254 mm)	S041465	20
	Letter (8.5 × 11 inches [216 × 279 mm])	S042183	25
		S041667	50

Paper Type	Size	Part number	Sheet count
Epson Ultra Premium Photo Paper Glossy	4 × 6 inches (102 × 152 mm)	S042181	60
		S042174	100
	5 × 7 inches (127 × 178 mm)	S041945	20
	8 × 10 inches (203 × 254 mm)	S041946	20
Epson Premium Photo Paper Semi-gloss	4 × 6 inches (102 × 152 mm)	S042182	25
		S042175	50
	Letter (8.5 × 11 inches [216 × 279 mm])	S041982	40
	Letter (8.5 × 11 inches [216 × 279 mm])	S041331	20

Parent topic: [Loading Paper](#)

## Borderless Paper Type Compatibility

You can print borderless photos on compatible paper types in compatible sizes:

### Borderless Paper Types

- Epson Photo Paper Glossy
- Epson Premium Photo Paper Glossy
- Epson Ultra Premium Photo Paper Glossy
- Epson Premium Photo Paper Semi-gloss

### Borderless Paper Size

- 4 × 6 inches (102 × 152 mm)

Parent topic: [Loading Paper](#)

## Paper or Media Type Settings - Printing Software

For this paper	Select this paper Type or Media Type setting
Plain paper	Plain Paper / Bright White Paper
Epson Bright White Pro Paper	



<b>For this paper</b>	<b>Select this paper Type or Media Type setting</b>
Envelopes	Envelope
Epson Ultra Premium Photo Paper Glossy	Ultra Premium Photo Paper Glossy
Epson Premium Photo Paper Glossy	Premium Photo Paper Glossy
Epson Photo Paper Glossy	Photo Paper Glossy
Epson Premium Photo Paper Semi-gloss	Premium Photo Paper Semi-Gloss
Epson Presentation Paper Matte Epson Premium Presentation Paper Matte Epson High Quality Ink Jet Paper Epson Premium Presentation Paper Matte Double-sided	Premium Presentation Paper Matte

**Parent topic:** [Loading Paper](#)

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## Placing Originals on the Product

Follow the instructions here to place your original documents or photos on the product.

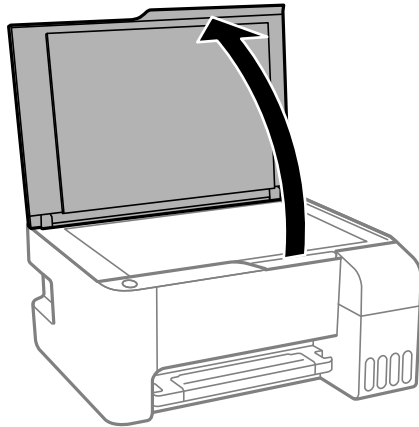
**Caution:** Do not place anything on top of your product or use its cover as a writing surface to avoid damaging it.

[Placing Originals on the Scanner Glass](#)

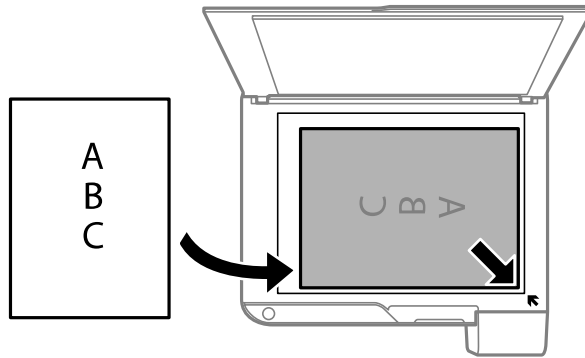
### Placing Originals on the Scanner Glass

You can place originals up to this size on the scanner glass: Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]).

1. Open the document cover.



2. Place your original facedown on the scanner glass with the top facing into the corner. Slide the original to the edges of the indicated corner.



**Note:** You can place multiple originals on the scanner glass. Just make sure they are at least 0.2 inch (4.5 mm) away from the edge of the scanner glass and at least 0.8 inch (20 mm) away from each other.

**Note:** The edges of your original may be cropped by 0.06 inch (1.5 mm) from the edge of the scanner glass. Manually position your original away from the edges to prevent cropping.

3. Close the document cover gently to keep your original in place.

**Caution:** Do not push down on the document cover or scanner glass or you may damage the product.

Remove your originals after scanning. If you leave the originals on the scanner glass for a long time, they may stick to the glass surface.

**Parent topic:** [Placing Originals on the Product](#)

#### **Related topics**

[Copying](#)

[Scanning](#)

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# Copying








See the information here to copy documents or photos using your product.

**Note:** Copies may not be exactly the same size as your originals.


[Copying Documents or Photos](#)

## Copying Documents or Photos

You can copy color or black-and-white documents or photos onto plain paper.

1. Place your original document or photo on the scanner glass.
2. Load plain paper in one of these sizes: Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]).
3. Do one of the following to start copying:
  - To copy a black-and-white original, press the  B&W copy button.
  - To copy a color original, press the  color copy button.
  - To copy a black-and-white or color original in draft mode, press the  B&W copy button or the  color copy button and the  stop button at the same time.
  - To make more than one copy, repeatedly press the  B&W copy button or the  color copy button for the number of copies you need (up to 20 copies). For example, to make 4 copies, press the button four times. Make sure you press the button in intervals of less than one second.

The product scans and prints your copy.

**Note:** To cancel copying, press the  stop button.

**Parent topic:** [Copying](#)

### Related tasks

[Placing Originals on the Scanner Glass](#)

[Loading Paper in the Sheet Feeder](#)

---

# Printing from a Computer

Before printing from your computer, make sure you have set up your product and installed its software as described on the *Start Here* sheet.

**Note:** If you have an Internet connection, it is a good idea to check for updates to your product software on Epson's support website. If you see a Software Update screen, select **Enable automatic checking** and click **OK**. The update scans your system to see if you have the latest product software. Follow the on-screen instructions.

[Printing with Windows](#)

[Printing with the Built-in Epson Driver - Windows 10 S](#)

[Printing on a Mac](#)

[Cancelling Printing Using a Product Button](#)

## Printing with Windows

You can print with your product using any Windows application, as described in these sections.

**Note:** If you are using your Epson product with the Windows 10 S operating system, you cannot use the software described in this section. You also cannot download and install any Epson product software from the Epson website for use with Windows 10 S; you must obtain software only from the Windows Store.

[Selecting Basic Print Settings - Windows](#)

[Selecting Double-sided Printing Settings - Windows](#)

[Selecting Additional Layout and Print Options - Windows](#)

[Selecting a Printing Preset - Windows](#)

[Selecting Extended Settings - Windows](#)

[Printing Your Document or Photo - Windows](#)

[Locking Printer Settings - Windows](#)

[Selecting Default Print Settings - Windows](#)

[Changing Automatic Update Options](#)

**Parent topic:** [Printing from a Computer](#)

## Selecting Basic Print Settings - Windows

Select the basic settings for the document or photo you want to print.

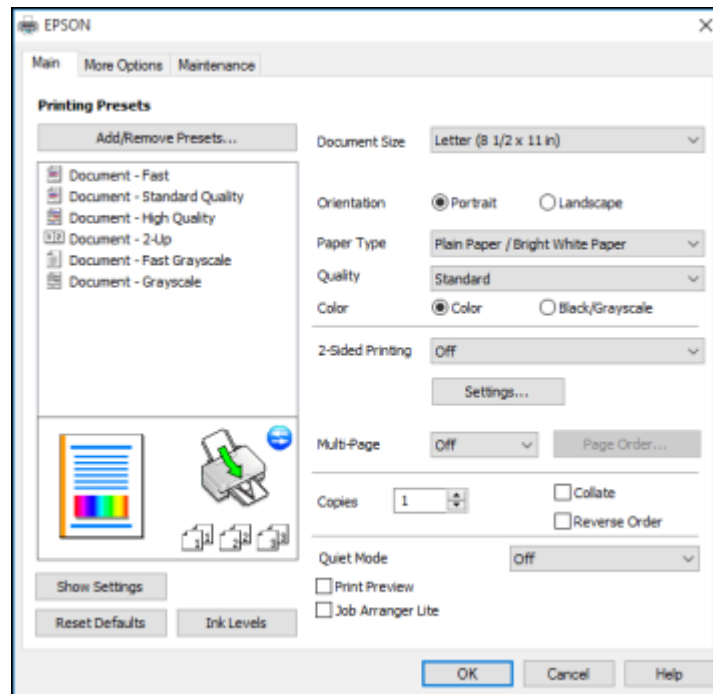
1. Open a photo or document for printing.
2. Select the print command in your application.

**Note:** You may need to select a print icon on your screen, the **Print** option in the **File** menu, or another command. See your application's help utility for details.

3. If necessary, select your product name as the printer you want to use.

**Note:** You may also need to select **Properties** or **Preferences** to view your print settings.

You see the Main tab of your printer settings window:



4. Select the size of the paper you loaded as the **Document Size** setting.

**Note:** You can also select the **User-Defined** setting to create a custom paper size.

5. If you are printing a borderless photo, select **Borderless**. You can click **Settings** to access additional options for borderless printing.

**Note:** You must select a compatible borderless paper type and size to print without borders. Check the borderless paper compatibility list for details.

6. Select the orientation of your document.

**Note:** If you are printing an envelope, select **Landscape**.

7. Select the type of paper you loaded as the **Paper Type** setting.

**Note:** The setting may not exactly match the name of your paper. Check the paper type settings list for details.

8. Select the **Quality** setting that matches the print quality you want to use.

9. Select a Color option:

- To print a color document or photo, select the **Color** setting.
- To print text and graphics in black or shades of gray, select the **Black/Grayscale** setting.

10. To print on both sides of the paper, select a **2-Sided Printing** option.

11. To print multiple pages on one sheet of paper, or print one image on multiple sheets of paper, select one of the settings in the **Multi-Page** menu and select the printing options you want.

12. To print multiple copies and arrange their print order, select the **Copies** options.

13. To reduce noise during printing when you select **Plain Paper/Bright White Paper**, turn on **Quiet Mode** (printing will be slower).

14. To preview your job before printing, select **Print Preview**.

15. To save your print job as a project that can be modified and combined with other print jobs, select **Job Arranger Lite**.

[Print Quality Options - Windows](#)

[Multi-Page Printing Options - Windows](#)

**Parent topic:** [Printing with Windows](#)

**Related references**

[Paper or Media Type Settings - Printing Software](#)

**Related tasks**

[Selecting Double-sided Printing Settings - Windows](#)

[Selecting Additional Layout and Print Options - Windows](#)

**Print Quality Options - Windows**

You can select any of the available Quality options to fine-tune the quality of your print. Some settings may be unavailable, depending on the paper type and border setting you have chosen.

**Draft**

For draft printing on plain paper.

**Standard**

For everyday text and image printing.

**Standard - Vivid**

For text and graphics with good quality and print speed.

**High**

For photos and graphics with high print quality.

**More Settings**

Opens a window that lets you choose among levels of speed and quality.

**Parent topic:** [Selecting Basic Print Settings - Windows](#)

**Multi-Page Printing Options - Windows**

You can select any of the available options in the Multi-Page menu to set up your multi-page print job.

**2-Up and 4-Up**

Prints 2 or 4 pages on one sheet of paper. Click the **Page Order** button to select page layout and border options.

**2×1 Poster, 2×2 Poster, 3×3 Poster, 4×4 Poster**

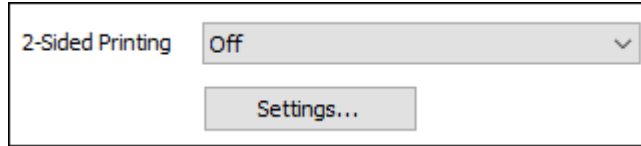
Prints one image on multiple sheets of paper to create a larger poster. Click the **Settings** button to select image layout and guideline options.

**Parent topic:** [Selecting Basic Print Settings - Windows](#)



## Selecting Double-sided Printing Settings - Windows

You can print on both sides of the paper by selecting one of the **2-Sided Printing** options on the Main tab.

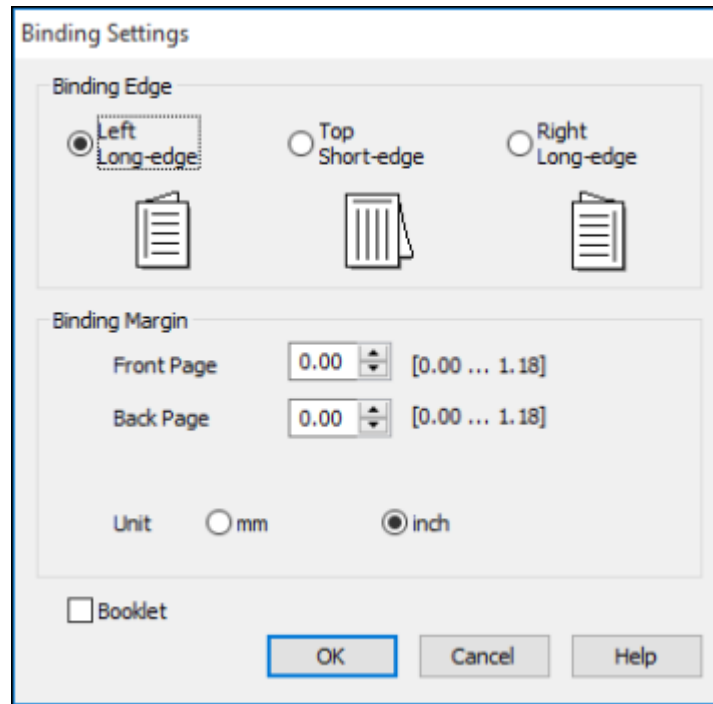


**Note:** You will need to print one side and flip the paper over manually to print the other side.

**Note:** Some options may be pre-selected or unavailable, depending on other settings you have chosen.

1. Select one of the following options for **2-Sided Printing**:
  - **Manual (Long-edge binding)** to print your double-sided print job by printing one side and prompting you to flip the paper over on the long edge to print the other side.
  - **Manual (Short-edge binding)** to print your double-sided print job by printing one side and prompting you to flip the paper over on the short edge to print the other side.
2. Click the **Settings** button.

You see a window like this:



3. Select the double-sided printing options you want to use.
4. Click **OK** to return to the Main tab.
5. Print a test copy of your double-sided document to test the selected settings.
6. Follow any instructions displayed on the screen during printing.

**Note:** The surface of the paper may smear during double-sided printing. Make sure the ink has dried before reloading the paper.

[Double-sided Printing Options - Windows](#)

**Parent topic:** [Printing with Windows](#)

**Related tasks**

[Selecting Basic Print Settings - Windows](#)

## Double-sided Printing Options - Windows

You can select any of the available options on the 2-Sided Printing Settings window to set up your double-sided print job.

### Binding Edge Options

Select a setting that orients double-sided print binding in the desired direction.

### Binding Margin Options

Select options that define a wider margin to allow for binding.

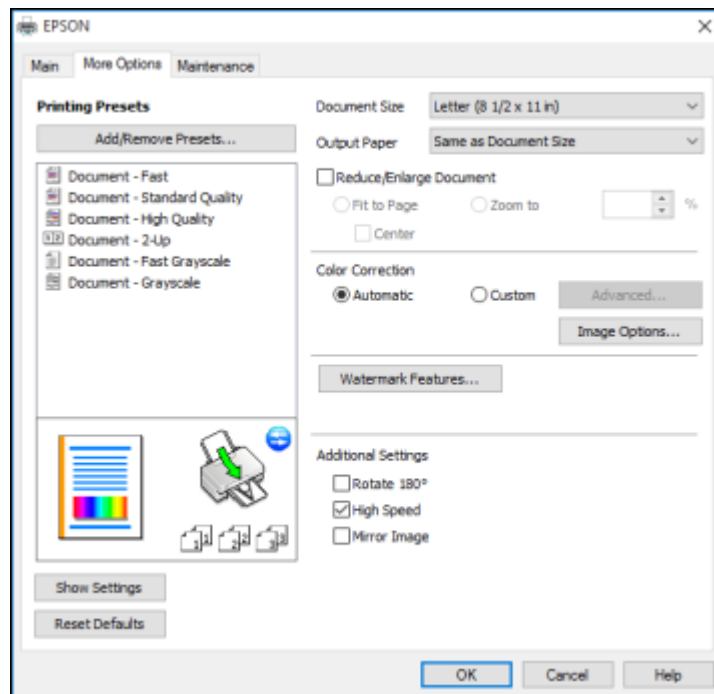
### Booklet

Select the **Booklet** checkbox to print double-sided pages as a booklet.

Parent topic: [Selecting Double-sided Printing Settings - Windows](#)

## Selecting Additional Layout and Print Options - Windows

You can select a variety of additional layout and printing options for your document or photo on the **More Options** tab.



1. To change the size of your printed document or photo, select the **Reduce/Enlarge Document** checkbox and select one of these sizing options:
  - Select the **Fit to Page** option to size your image to fit the paper you loaded. Select the size of your document or photo as the **Document Size** setting, and the size of your paper as the **Output Paper** setting. If you want to center your image on the paper, select the **Center** option.
  - Select the **Zoom to** option to reduce or enlarge your document or photo by a specific percentage. Select the percentage in the % menu.
2. Select one of the following Color Correction options:
  - Select **Automatic** to automatically adjust the sharpness, brightness, contrast, and color saturation for your image.
  - Select **Custom** and click the **Advanced** button to manually adjust the color correction settings or turn off color management in your printer software.
  - Select **Image Options** to access additional settings for improving printed images.

**Note:** You can also select **Color Universal Print** settings.
3. To add the following features, click the **Watermark Features** button:
  - **Anti-Copy Pattern:** adds a watermark that only appears when your printout is copied

**Note:** This setting is not available for all types of printing.

  - **Watermark:** adds a visible watermark to your printout

**Note:** Click the **Add/Delete** button to create your own watermark, and click the **Settings** button to customize the watermark.

  - **Header/Footer:** adds information such as the date and time to the top or bottom of your printout

**Note:** Click the **Settings** button to customize the text and location of the header or footer.
4. Select any of the Additional Settings options to customize your print.

[Custom Color Correction Options - Windows](#)

[Image Options and Additional Settings - Windows](#)

[Header/Footer Settings - Windows](#)

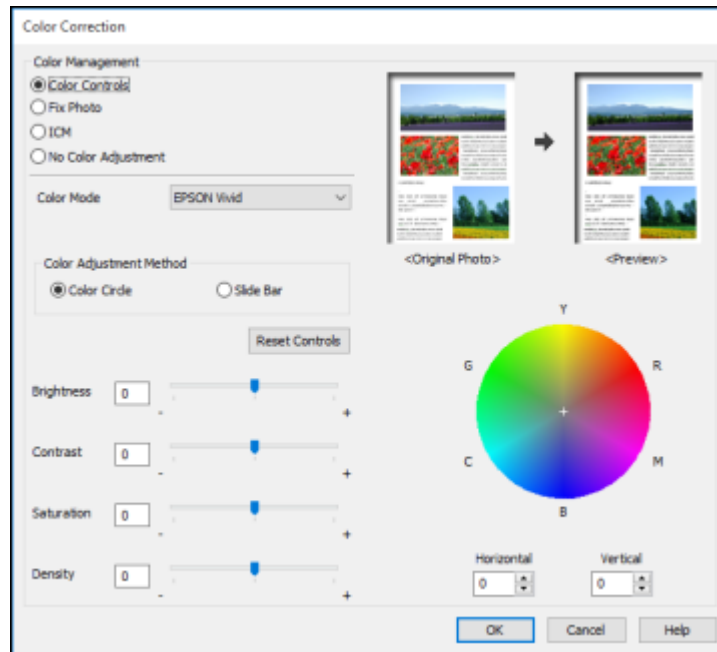
**Parent topic:** [Printing with Windows](#)

## Related tasks

[Selecting Basic Print Settings - Windows](#)

## Custom Color Correction Options - Windows

You can select any of the available options in the Color Correction window to customize the image colors for your print job.



### Color Controls

Lets you select a **Color Mode** setting, individual settings for **Brightness**, **Contrast**, **Saturation**, and **Density**, and individual color tones. Depending on the selected color mode, you can also adjust the midtone density using the **Gamma** setting.

### Fix Photo

Improves the color, contrast, and sharpness of flawed photos.

**Note:** Fix Photo uses a sophisticated face recognition technology to optimize photos that include faces. For this to work, both eyes and the nose must be visible in the subject's face. If your photo

includes a face with an intentional color cast, such as a statue, you may want to turn off **Fix Photo** to retain the special color effects.

### **ICM**

Lets you manage color using installed color printing profiles.

### **No Color Adjustment**

Turns off color management in your printer software so you can manage color using only your application software.

**Parent topic:** [Selecting Additional Layout and Print Options - Windows](#)

## **Image Options and Additional Settings - Windows**

You can select any of the Image Options and Additional Settings to customize your print. Some options may be pre-selected or unavailable, depending on other settings you have chosen.

### **Image Options**

#### **Emphasize Text**

Adjusts the weight of printed text to increase readability.

#### **Emphasize Thin Lines**

Adjusts the weight of printed lines to increase visibility.

#### **Edge Smoothing**

Smooths jagged edges in low-resolution images such as screen captures or images from the Web.

#### **Fix Red-Eye**

Reduces or removes red-eye in photos.

#### **Print Text in Black**

Prints colored text in black.

#### **For Color Text**

Prints colored text on a background pattern or underlined.

#### **For Color Graphs and Images**

Prints colored graphics and images with overlay patterns.

#### **For Color Text, Graphs, and Images**

Prints colored text, graphics, and images with overlay patterns.

#### **Enhancement Options**

Specifies Color Universal Print enhancement settings for text, graphics, and images.

## Additional Settings Options

### Rotate 180°

Prints the image rotated 180° from its original orientation.

### High Speed

Speeds up printing but may reduce print quality.

### Mirror Image

Flips the printed image left to right.

**Parent topic:** [Selecting Additional Layout and Print Options - Windows](#)

## Header/Footer Settings - Windows

You can select any of the Header/Footer Settings options to add headers or footers when you print. The items are available to print at the top or bottom of your pages, in either the left, right, or center of the page.

**Note:** These settings are not saved with your document.

Top Left	Top Center	Top Right
User Name	None	Date/Time
Bottom Left	Bottom Center	Bottom Right
None	None	None

Reset Defaults OK Cancel Help

You can select to print the following information:

- User Name
- Computer Name
- Date
- Date/Time
- Document Name
- Collate Number (copy number)

**Note:** The user name, computer name, date, and time come from the Windows Control Panel on your computer.

**Parent topic:** [Selecting Additional Layout and Print Options - Windows](#)

## Selecting a Printing Preset - Windows

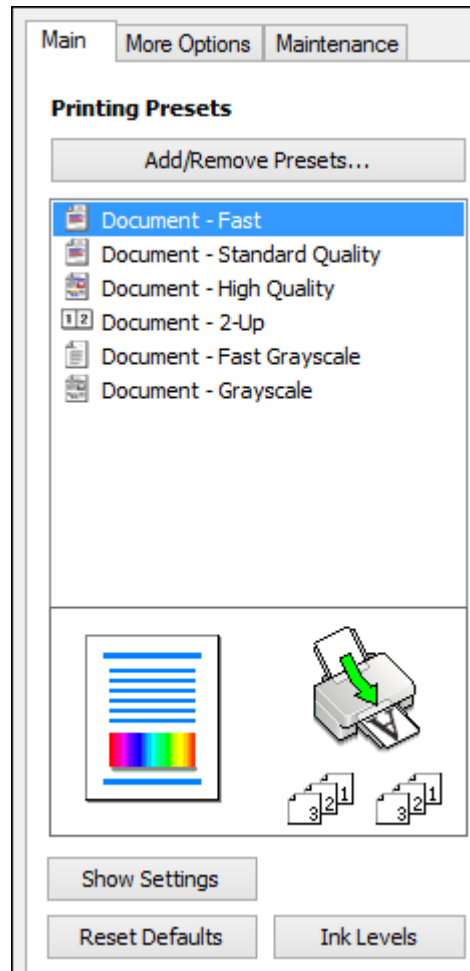
For quick access to common groups of print settings, you can select a printing preset on the **Main** or **More Options** tab.

**Note:** You can create your own preset by clicking the **Add/Remove Presets** button.

1. Click the **Main** or **More Options** tab.



You see the available **Printing Presets** on the left:





2. Place your cursor over one of the **Printing Presets** to view its list of settings.
3. Click on a preset to change its settings, or use any of the available options on the screen to control your printing presets.
4. To choose a preset for printing, select it.
5. Click **OK**.

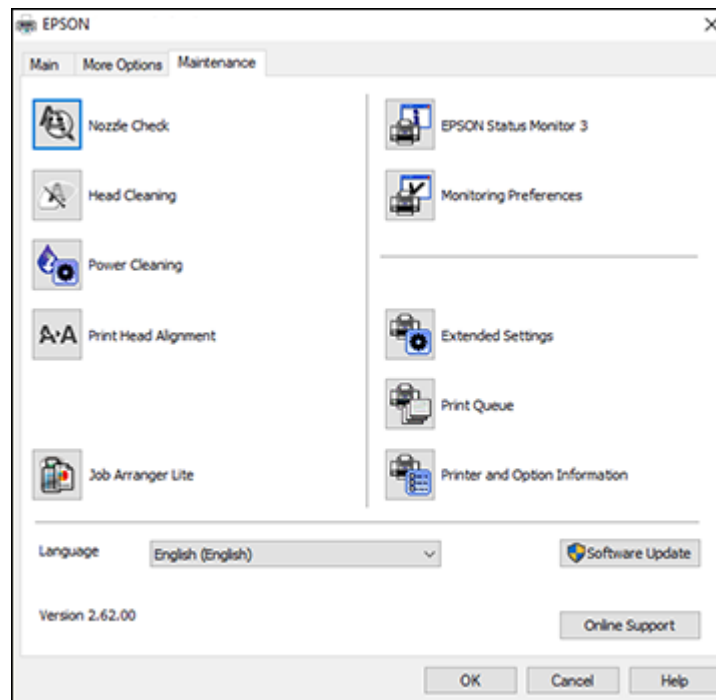
Parent topic: [Printing with Windows](#)

## Selecting Extended Settings - Windows

You can select additional settings that apply to all the print jobs you send to your product.

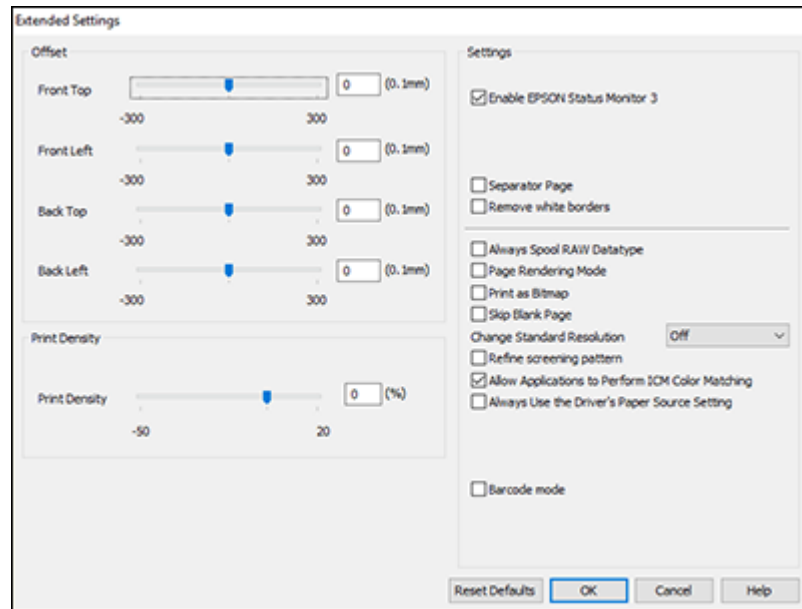
1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
2. Select **Printer Settings**.
3. Click the **Maintenance** tab.

You see the maintenance options:



4. Click the **Extended Settings** button.

You see this window:



5. Select any of the extended settings to customize your print.
6. Click **OK** to close the Extended Settings window.
7. Click **OK** to close the printer software window.

[Extended Settings - Windows](#)

**Parent topic:** [Printing with Windows](#)

### **Extended Settings - Windows**

You can select these settings on the Extended Settings window.

#### **Enable EPSON Status Monitor 3**

Enables product monitoring for ink and paper supplies and other issues.

#### **Separator Page**

Before each document, prints a separator page containing the title, user, date, and time.

#### **Remove white borders**

Removes white margins that may appear when you print borderless photos.

**Always Spool RAW Datatype**

Increases print speed and may solve other printing problems.

**Page Rendering Mode**

Increases print speed when printing is extremely slow or the print head stops during printing.

**Print as Bitmap**

Increases print speed when printing is extremely slow or the print head stops during printing, and other settings do not help.

**Skip Blank Page**

Ensures that your product does not print pages that contain no text or images.

**Change Standard Resolution**

Reduces the resolution of print data to correct printing problems.

**Refine screening pattern**

Prints graphics with a finer screening pattern.

**Allow Applications to Perform ICM Color Matching**

Allows applications to perform ICM color matching.

**Always Use the Driver's Paper Source Setting**

Prints using the paper source setting in the printer driver, rather than the setting in your application.

**Barcode mode**

Reduces bleeding when printing barcodes on plain paper, letterhead paper, recycled paper, preprinted paper, envelopes, and thick paper.

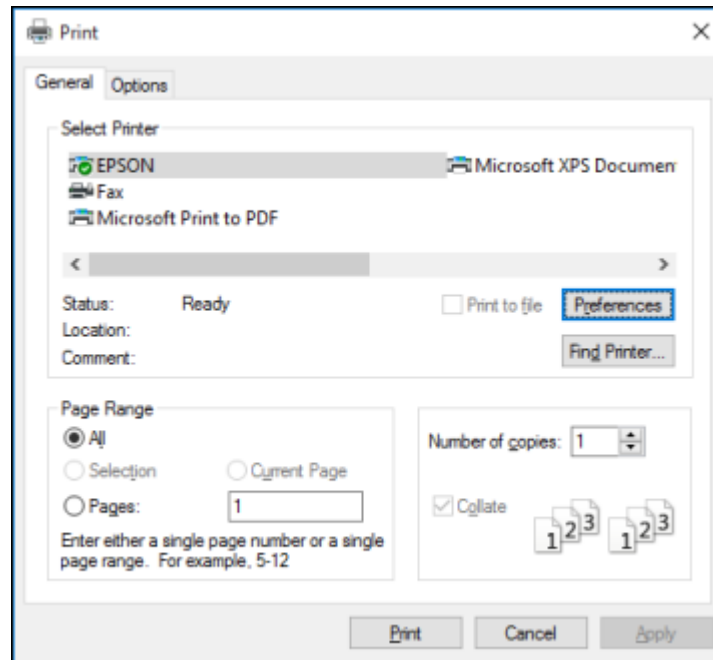
**Parent topic:** [Selecting Extended Settings - Windows](#)

## Printing Your Document or Photo - Windows

Once you have selected your print settings, you are ready to save your settings and print.

1. Click **OK** to save your settings.

You see your application's Print window, such as this one:



2. Click **OK** or **Print** to start printing.

**Parent topic:** [Printing with Windows](#)



**Related tasks**



[Selecting Basic Print Settings - Windows](#)

## Locking Printer Settings - Windows

Windows administrators can lock access to some printer settings to prevent unauthorized changes.

1. Do one of the following:

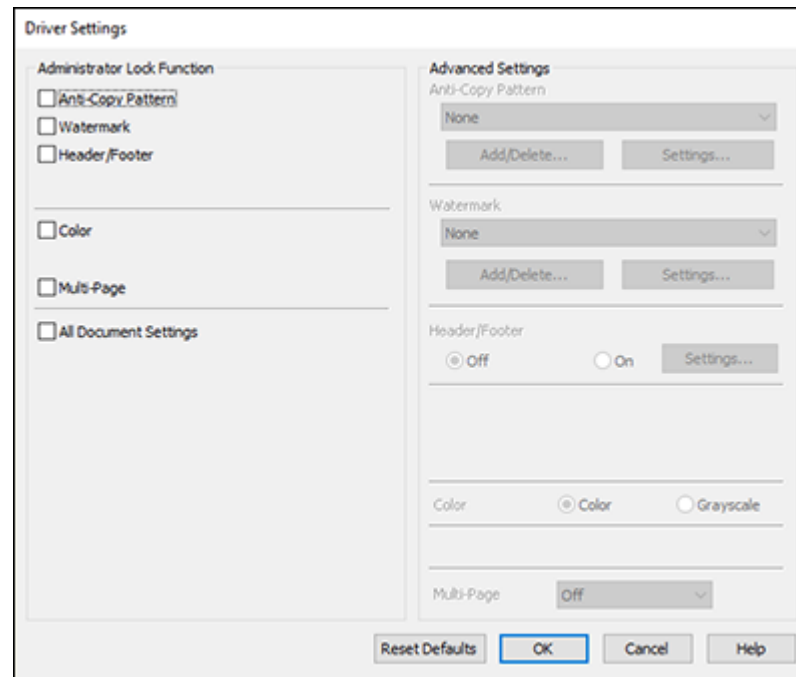
- **Windows 10:** Click  and select  (Settings) > **Devices** > **Printers & scanners**. Select your product name and select **Manage** > **Printer properties**.
- **Windows 8.x:** Navigate to the **Apps** screen and select **Control Panel** > **Hardware and Sound** > **Devices and Printers**. Right-click your product and select **Printer properties**.

- **Windows 7:** Click  and select **Devices and Printers**. Right-click your product and select **Printer properties**.
  - **Windows Vista:** Click  and select **Control Panel**. Click **Printer** under **Hardware and Sound**, then right-click your product and select **Properties**.
2. Click the **Optional Settings** tab.

**Note:** You can prevent access to the **Optional Settings** tab by changing the user or group permissions in the **Security** tab.

3. Click **Driver Settings**.

You see this window:



4. Select the checkbox for each setting you want to lock. To lock all print settings, select **All Document Settings**.
5. Under **Advanced Settings**, select the setting option you want to use for each locked setting.

6. Click **OK**.

[Locked Setting Options](#)

**Parent topic:** [Printing with Windows](#)

### Locked Setting Options



Select the options you want to use for any locked print settings.

<b>Setting</b>	<b>Options</b>	<b>Description</b>
<b>Anti-Copy Pattern</b>	Various data items	Lets you select the data to use for the pattern or prohibit anti-copy patterns
	<b>Add/Delete</b>	Lets you add or delete a customized anti-copy pattern
	<b>Settings</b>	Lets you select the arrangement, size, and other settings for the custom anti-copy pattern
<b>Watermark</b>	Various text watermarks	Lets you select the text for the watermark or prohibit watermarks
	<b>Add/Delete</b>	Lets you add or delete a customized text or image-based watermark
	<b>Settings</b>	Lets you select the size, position, color and other watermark settings
<b>Header/Footer</b>	<b>Off</b>	Prohibits headers or footers
	<b>On</b>	Allows headers and footers
	<b>Settings</b>	Lets you select the text and position for printing headers and footers
<b>Color</b>	<b>Color</b>	Allows color printing
	<b>Grayscale</b>	Allows printing in black or shades of gray only
<b>Multi-Page</b>	<b>Off</b>	Prohibits multi-page settings
	<b>2-Up</b>	Allows printing of 2 pages on one sheet of paper
	<b>4-Up</b>	Allows printing of 4 pages on one sheet of paper

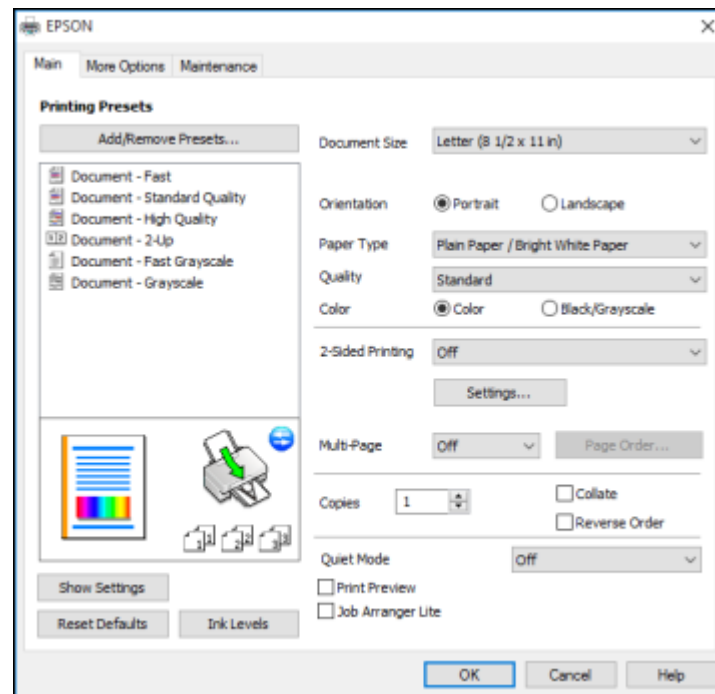
**Parent topic:** [Locking Printer Settings - Windows](#)

## Selecting Default Print Settings - Windows

When you change your print settings in a program, the changes apply only while you are printing in that program session. If you want to change the print settings you use in all your Windows programs, you can select new default print settings.

1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
2. Select **Printer Settings**.

You see the printer settings window:



3. Select the print settings you want to use as defaults in all your Windows programs.
4. Click **OK**.

These settings are now the defaults selected for printing. You can still change them as needed for printing in any program session.



## Changing the Language of the Printer Software Screens



**Parent topic:** [Printing with Windows](#)

### Related tasks

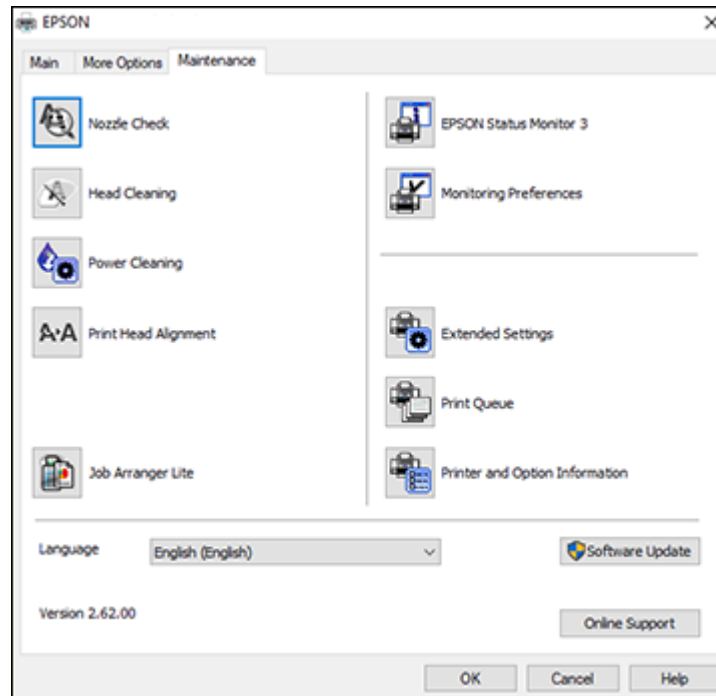
[Selecting Basic Print Settings - Windows](#)

## Changing the Language of the Printer Software Screens

You can change the language used on the Windows printer software screens.

1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
2. Select **Printer Settings**.  
You see the printer settings window.
3. Click the **Maintenance** tab.

You see the maintenance options:





4. Select the language you want to use as the **Language** setting.
5. Click **OK** to close the printer software window.

The printer software screens appear in the language you selected the next time you access them.

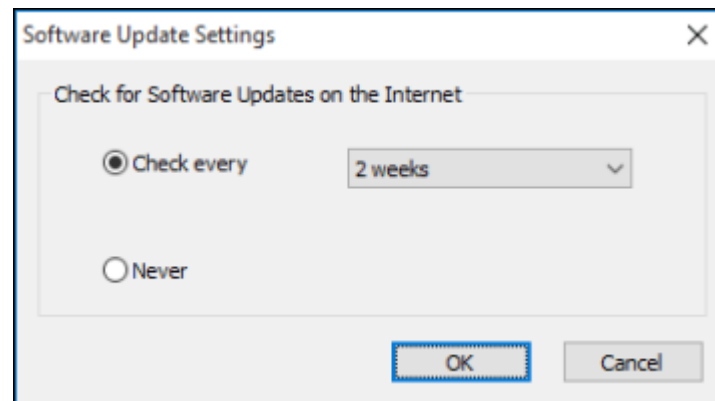
**Parent topic:** [Selecting Default Print Settings - Windows](#)

## Changing Automatic Update Options

Your printer software for Windows automatically checks for updates to the product software. You can change how often the software checks for updates or disable this feature.

1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
2. Select **Software Update Settings**.

You see this window:



3. Do one of the following:
  - To change how often the software checks for updates, select a setting in the **Check every** menu.
  - To disable the automatic update feature, select the **Never** option.
4. Click **OK** to exit.

**Note:** If you choose to disable the automatic update feature, you can check for updates manually.

**Parent topic:** [Printing with Windows](#)

**Related tasks**

[Checking for Software Updates](#)

## Printing with the Built-in Epson Driver - Windows 10 S

You can print with the built-in Epson printer driver using any printing program on Windows 10 S, as described in these sections.

**Note:** The built-in Epson driver in Windows 10 S does not include all the available print settings for your product. To print with additional settings, download and install the Epson Print and Scan utility from the Windows Store. You cannot download and install any Epson product software from the Epson website for use with Windows 10 S; you must obtain software only from the Windows Store.

[Selecting Print Settings - Windows 10 S](#)

**Parent topic:** [Printing from a Computer](#)

## Selecting Print Settings - Windows 10 S

Select the settings for your print job in your Windows 10 S application.

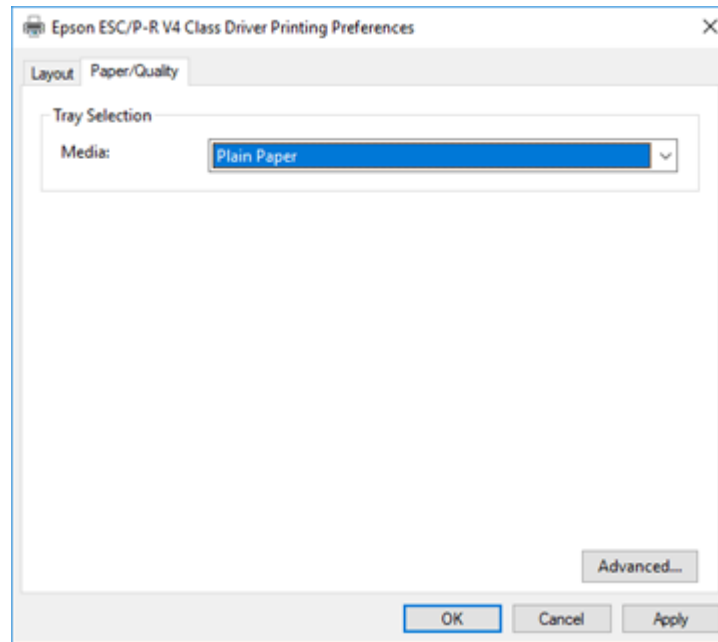
1. Open a photo or document for printing.
2. Select the print command in your application.

**Note:** You may need to select a print icon on your screen, the **Print** option in the **File** menu, or another command. See your application's help utility for details.

3. If necessary, select your product name as the printer you want to use.

**Note:** You may also need to select **Properties** or **Preferences** to view your print settings.

You see a window like this:

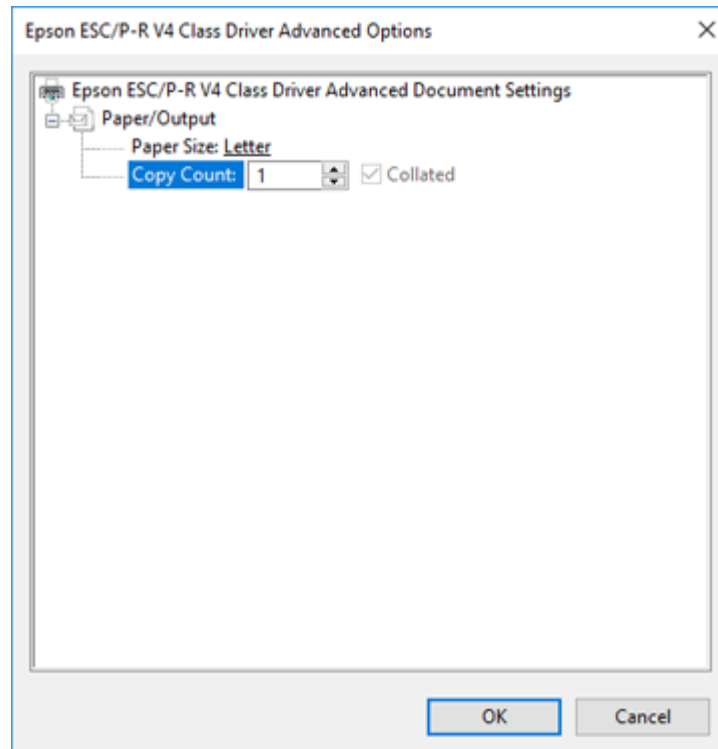


4. Select the type of paper you loaded as the **Media** setting.

**Note:** The setting may not exactly match the name of your paper. Check the paper type settings list for details.

5. Click the **Advanced** button.

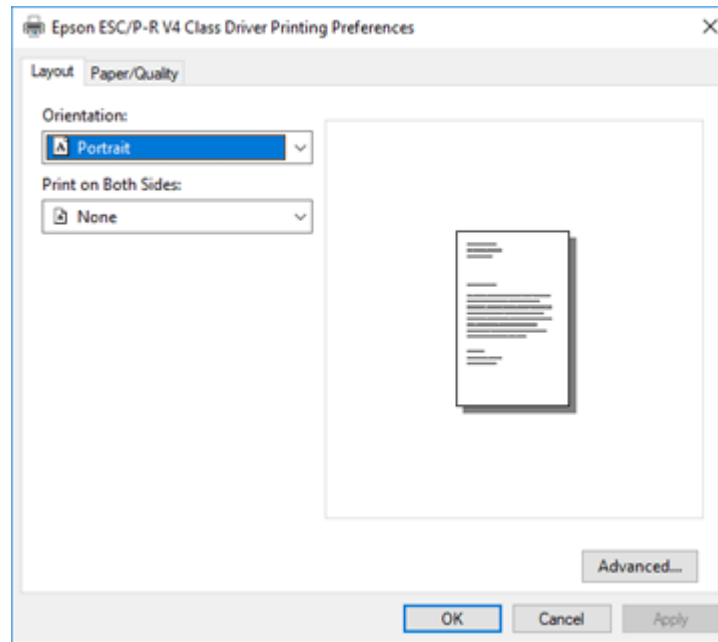
You see a window like this:



6. Select the size of the paper you loaded as the **Paper Size** setting.
7. To print multiple copies, select or enter the number as the **Copy Count** setting.
8. To print multiple copies of multi-page documents in sets, select the **Collated** checkbox.
9. Click **OK**.

You return to the printing preferences window.

10. Select the **Layout** tab.



11. Select the orientation of your document as the **Orientation** setting.

12. Click **OK** to save your settings.

You see your application's **Print** window.

13. Click **OK** or **Print** to start printing.

**Parent topic:** [Printing with the Built-in Epson Driver - Windows 10 S](#)

#### **Related references**

[Paper or Media Type Settings - Printing Software](#)

## **Printing on a Mac**

You can print with your product using any Mac printing program, as described in these sections.

**Note:** If you have an Internet connection, it is a good idea to check for updates to your product software on Epson's support website.

- [Selecting Basic Print Settings - Mac](#)
  - [Selecting Page Setup Settings - Mac](#)
  - [Selecting Print Layout Options - Mac](#)
  - [Managing Color - Mac](#)
  - [Selecting Printing Preferences - Mac](#)
  - [Printing Your Document or Photo - Mac](#)
- Parent topic:** [Printing from a Computer](#)

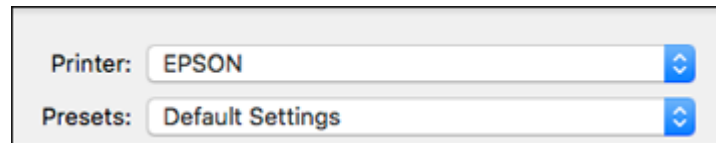
## Selecting Basic Print Settings - Mac

Select the basic settings for the document or photo you want to print.

1. Open a photo or document for printing.
2. Select the print command in your application.

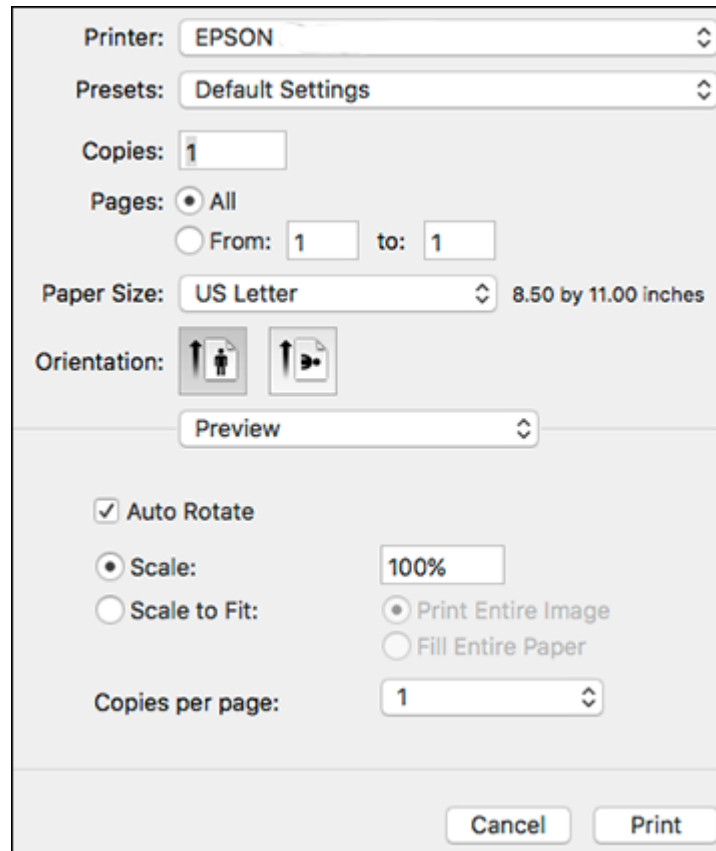
**Note:** You may need to select a print icon on your screen, the **Print** option in the File menu, or another command. See your application's help utility for details.

3. Select your product as the **Printer** setting.



4. If necessary, click the arrow next to the Printer setting or the **Show Details** button to expand the print window.

You see the expanded printer settings window for your product:



**Note:** The print window may look different, depending on the Mac OS version and the application you are using.

5. Select the **Copies** and **Pages** settings as necessary.

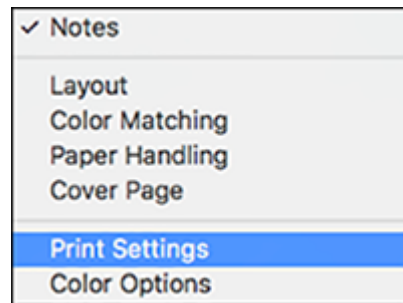
**Note:** If you do not see these settings in the print window, check for them in your application before printing.



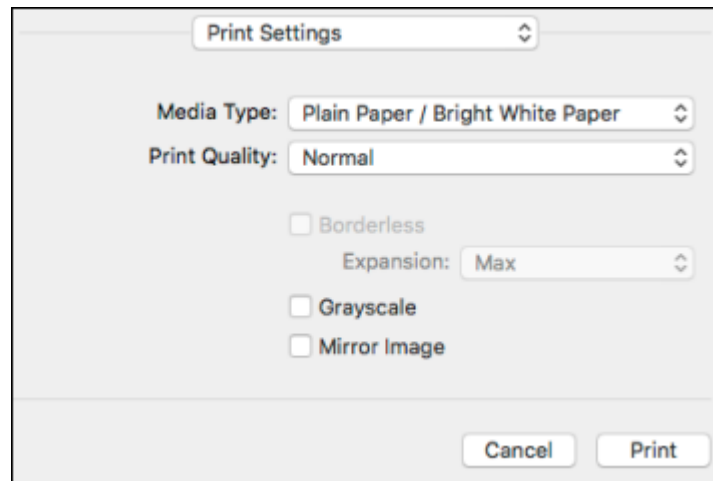
6. Select the page setup options: **Paper Size** and **Orientation**.

**Note:** If you do not see these settings in the print window, check for them in your application before printing. They may be accessible by selecting **Page Setup** from the File menu.

7. Select any application-specific settings that appear on the screen, such as those shown in the image above for the Preview application.
8. Select **Print Settings** or **Printer Features** from the pop-up menu.



You see these settings:



9. Select the type of paper you loaded as the **Media Type** setting.

**Note:** The setting may not exactly match the name of your paper. Check the paper type settings list for details.

10. Select the **Print Quality** setting you want to use.
11. Select the **Borderless** checkbox if you want to print a borderless photo. If the option is grayed out, change the **Media Type** setting to a paper type that supports borderless printing.
12. Select any of the available print options.

[Print Quality Options - Mac](#)

[Print Options - Mac](#)

**Parent topic:** [Printing on a Mac](#)

#### **Related references**

[Paper or Media Type Settings - Printing Software](#)

#### **Related tasks**

[Selecting Page Setup Settings - Mac](#)

### **Print Quality Options - Mac**

You can select any of the available Print Quality options to fine-tune the quality of your print. Some settings may be unavailable, depending on the paper type setting you have chosen.

#### **Draft**

For draft printing on plain paper.

#### **Normal**

For everyday text and image printing.

#### **Normal - Vivid**

For everyday text and image printing with good quality and print speed.

#### **Fine**

For text and graphics with good quality and print speed.

#### **Quality**

For text and graphics with increased quality and print speed.

#### **High Quality**

For photos and graphics with high print quality.

#### **Best Quality**

For the best print quality, but the slowest print speed.

**Parent topic:** [Selecting Basic Print Settings - Mac](#)

## Print Options - Mac

You can select any of the print options to customize your print. Some options may be unavailable, depending on other settings you have chosen.

### Expansion

If you selected a borderless paper size setting, this option adjusts the image expansion settings to control printing at the edges of borderless prints.

### Grayscale

Prints text and graphics in black or shades of gray.

### Mirror Image

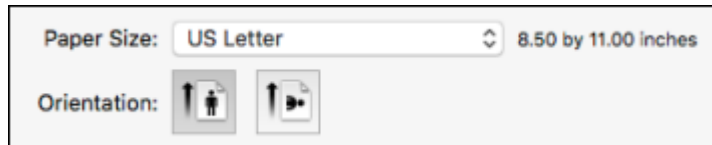
Lets you flip the printed image horizontally.

**Note:** If you select the **Min** option for the Expansion setting, you may see white borders on your printed photo.

**Parent topic:** [Selecting Basic Print Settings - Mac](#)

## Selecting Page Setup Settings - Mac

Depending on your application, you may be able to select the paper size and orientation settings from the print window.




**Note:** If you do not see these settings in the print window, check for them in your application before printing. They may be accessible by selecting **Page Setup** from the File menu.

1. Select the size of the paper you loaded as the **Paper Size** setting. If you are printing a borderless photo, select the **Borderless** checkbox or a paper size with a **Borderless** option. You can also

select a custom setting to create a custom paper size, but the Quality setting will be limited to **Normal**.

**Note:** You must select a compatible borderless paper type and size to print without borders. Check the borderless paper compatibility list for details.

2. Select the orientation of your document or photo as shown in the print window.

**Note:** If you are printing an envelope, select the  icon.

**Note:** You can reduce or enlarge the size of the printed image by selecting **Paper Handling** from the pop-up menu and selecting a scaling option.

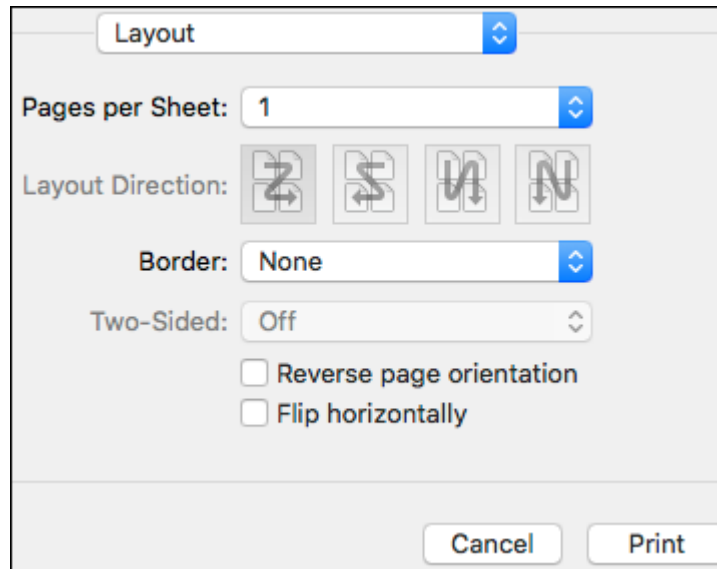
**Parent topic:** [Printing on a Mac](#)

**Related tasks**

[Selecting Basic Print Settings - Mac](#)

## Selecting Print Layout Options - Mac

You can select a variety of layout options for your document or photo by selecting **Layout** from the pop-up menu on the print window.



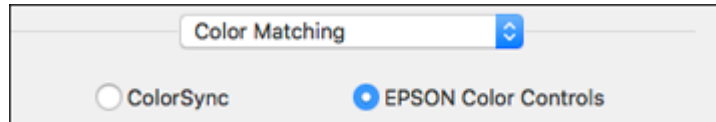
- To print multiple pages on one sheet of paper, select the number of pages in the **Pages per Sheet** pop-up menu. To arrange the print order of the pages, select a **Layout Direction** setting.
- To print borders around each page on the sheet, select a line setting from the **Border** pop-up menu.
- To print on both sides of each page, select a setting from the **Two-Sided** pop-up menu.
- To invert or flip the printed image, select the **Reverse page orientation** or **Flip horizontally** settings.

**Parent topic:** [Printing on a Mac](#)

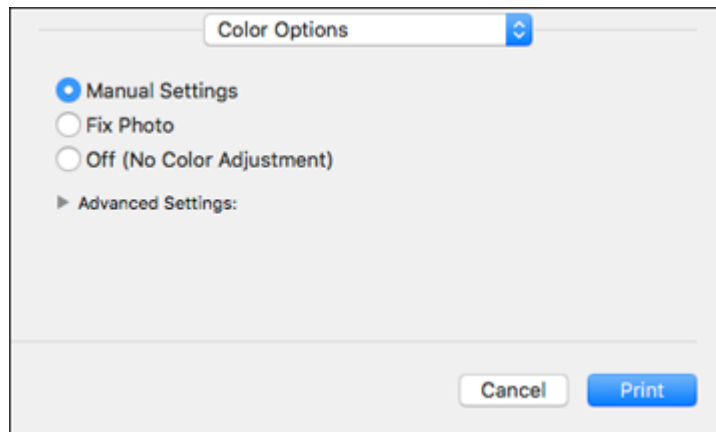
## Managing Color - Mac

You can adjust the Color Matching and Color Options settings to fine-tune the colors in your printout or turn off color management in your printer software.

1. Select **Color Matching** from the pop-up menu in the print window.



2. Select one of the available options.
3. Select **Color Options** from the pop-up menu in the print window.



**Note:** The available settings on the Color Options menu depend on the option you selected on the Color Matching menu.

4. Select one of the available options.

[Color Matching and Color Options - Mac](#)

**Parent topic:** [Printing on a Mac](#)

## **Color Matching and Color Options - Mac**

You can select these settings on the **Color Matching** and **Color Options** menus.

### **Color Matching Settings**

#### **EPSON Color Controls**

Lets you manage color using controls in your printer software or turn off color management.

#### **ColorSync**

Prints using standard color profiles for your product and paper to help match image colors. You can customize the conversion method and filter settings on the ColorSync pop-up menu in the print window.

### **Color Options Settings**

#### **Manual Settings**

Lets you select manual color adjustments. Click the arrow next to **Advanced Settings** and select settings for **Brightness**, **Contrast**, **Saturation**, and individual color tones. You can also select a color **Mode** setting for printing photos and graphics and the **Fix Red-Eye** setting to reduce or remove red-eye in photos. Depending on the selected color mode, you can also adjust the midtone density using the **Gamma** setting.

#### **Fix Photo**

Improves the color, contrast, and sharpness of flawed photos. Click the arrow next to **Advanced Settings** and select the **Fix Red-Eye** setting to reduce or remove red-eye in photos.

**Note:** Fix Photo uses a sophisticated face recognition technology to optimize photos that include faces. For this to work, both eyes and the nose must be visible in the subject's face. If your photo includes a face with an intentional color cast, such as a statue, you may want to turn off **Fix Photo** to retain the special color effects.

#### **Off (No Color Adjustment)**

Turns off color management in your printer software so you can manage color using only your application software.

**Note:** An ICC profile is required if color management is turned off.

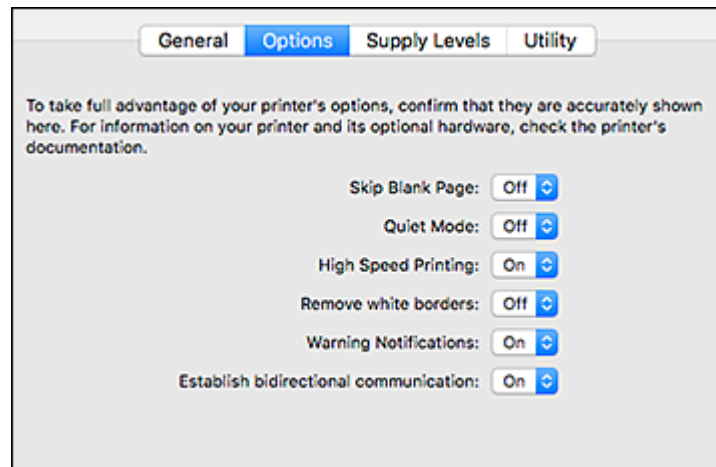
Parent topic: [Managing Color - Mac](#)

## Selecting Printing Preferences - Mac

You can select printing preferences that apply to all the print jobs you send to your product.

1. In the Apple menu or the Dock, select **System Preferences**.
2. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**.
3. Select **Driver** or **Options**.

You see a screen like this:



4. Select any of the available printing preferences.
5. Click **OK**.

[Printing Preferences - Mac](#)

Parent topic: [Printing on a Mac](#)

## Printing Preferences - Mac

You can select these settings on the **Options** or **Driver** tab.

**Skip Blank Page**

Ensures that your product does not print pages that contain no text or images.

**Quiet Mode**

Lessens noise during printing but may decrease print speed.

**High Speed Printing**

Speeds up printing but may reduce print quality.

**Remove white borders**

Removes white margins that may appear when you print borderless photos.

**Warning Notifications**

Lets you choose whether or not to receive warning notifications from the printer software for various operating conditions.

**Establish bidirectional communication**

Allows the product to communicate with the computer. Do not change the default setting unless you experience issues when using a shared printing pool.

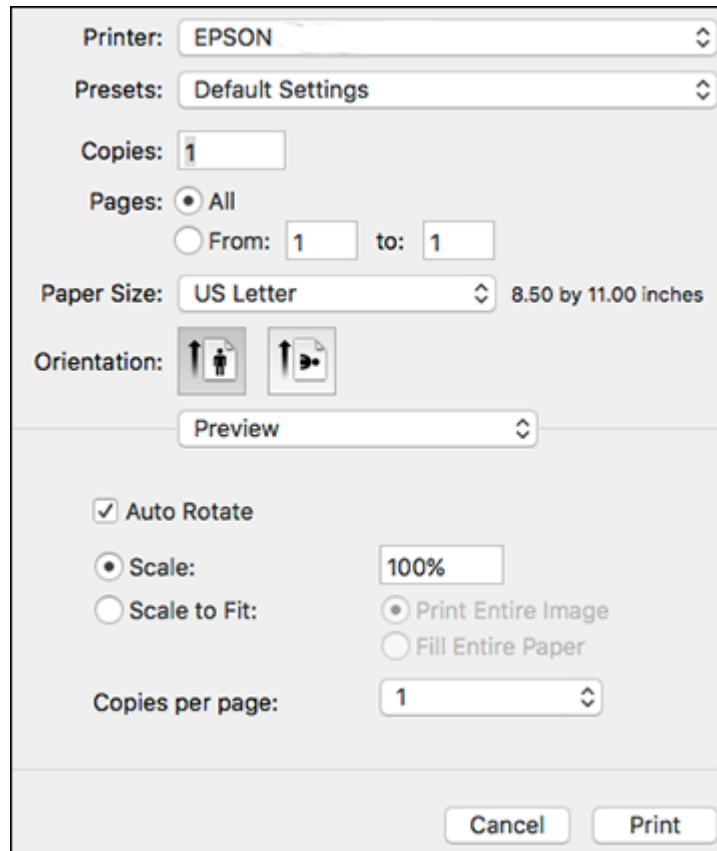
Parent topic: [Selecting Printing Preferences - Mac](#)

**Printing Your Document or Photo - Mac**

Once you have selected your print settings, you are ready to print.



Click **Print** at the bottom of the print window.



[Checking Print Status - Mac](#)

**Parent topic:** [Printing on a Mac](#)

**Related tasks**

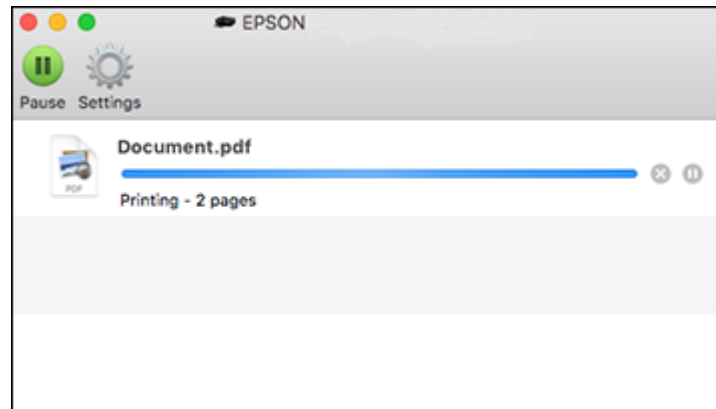
[Selecting Basic Print Settings - Mac](#)

### Checking Print Status - Mac




During printing, you can view the progress of your print job, control printing, and check ink status.

1. Click the printer icon when it appears in the Dock.

You see the print status window:



2. Select the following options as necessary for your Mac OS version:

- To cancel printing, click the print job and click  or **Delete**.
- To pause a print job, click the print job and click  or **Hold**. To resume a print job, click the paused print job and click  or **Resume**.
- To pause printing for all queued print jobs, click **Pause** or **Pause Printer**.
- To display other printer information, click **Settings** or **Supply Levels**.

**Parent topic:** [Printing Your Document or Photo - Mac](#)

## Cancelling Printing Using a Product Button

If you need to cancel printing, press the  stop button.

**Parent topic:** [Printing from a Computer](#)

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# Scanning

You can scan your originals and save them as digital files.

[Starting a Scan](#)

[Scanning in Epson Scan 2](#)

## Starting a Scan

After placing your originals on your product for scanning, start scanning using one of these methods.

[Starting a Scan Using the Product Buttons](#)



[Starting a Scan Using the Epson Scan 2 Icon](#)

[Starting a Scan from a Scanning Program](#)

**Parent topic:** [Scanning](#)

## Starting a Scan Using the Product Buttons

You can scan an image and save it as a PDF using your product's control panel buttons. You can change the default scan settings using the Event Manager utility on the computer.

1. Make sure you installed the product software and connected the product to your computer using a USB cable.
2. Press the  B&W copy button and the  color copy button at the same time.

Your original is scanned and saved as a PDF on your computer.

[Changing Default Scan Job Settings](#)


**Parent topic:** [Starting a Scan](#)


**Related tasks**

[Scanning in Epson Scan 2](#)

## Changing Default Scan Job Settings

You can view or change the default scan job settings your product uses when you scan to your computer. You do this using the Event Manager program.

1. Do one of the following to open Event Manager:
  - **Windows 10:** Click  and select **Epson Software > Event Manager**.
  - **Windows 8.x:** Navigate to the **Apps** screen and select **Event Manager**.



- **Windows (other versions):** Click  or **Start > All Programs** or **Programs > Epson Software > Event Manager**.
  - **Mac:** Open the **Applications** folder, click **Epson Software**, and select **Event Manager**.
2. Open the **Scanner** (Windows) or **Select Scanner** (Mac) drop-down list and select your product, if necessary.
  3. Click **Make Job Settings**.
  4. Open the **Edit Job Settings** drop-down list and select the scan job settings you want to view or change.
  5. Change the settings as necessary.
  6. Click **OK**.
  7. Click **Close** to close the Event Manager window.

**Parent topic:** [Starting a Scan Using the Product Buttons](#)

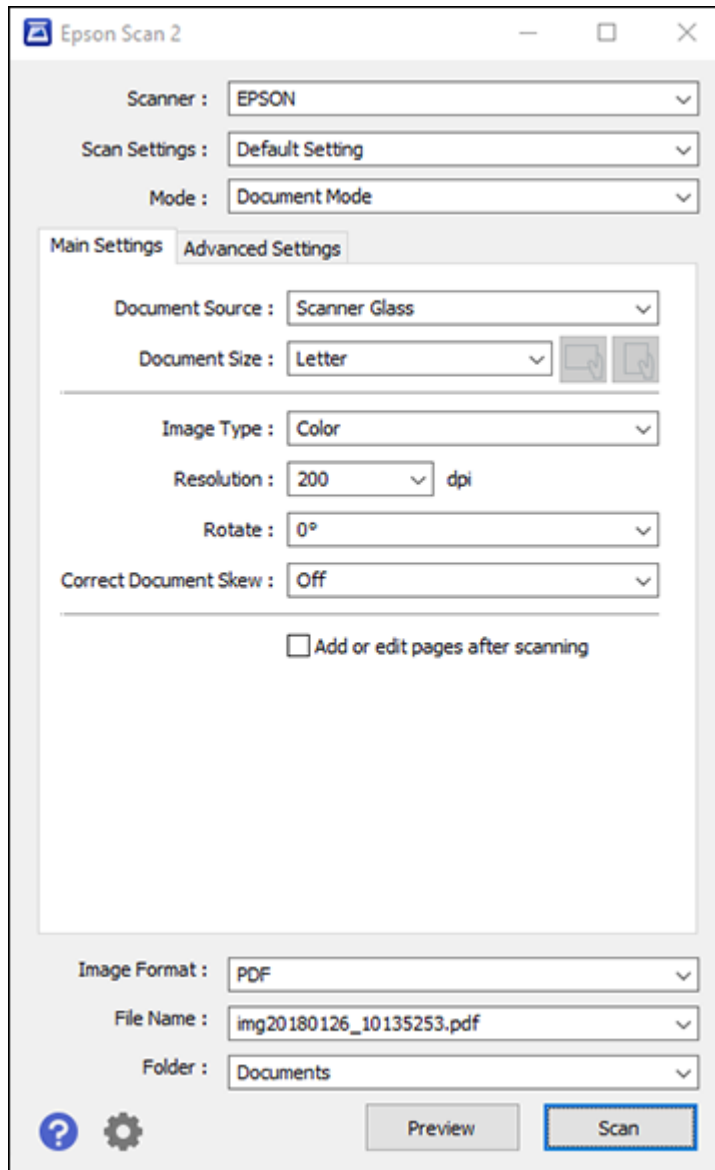
## Starting a Scan Using the Epson Scan 2 Icon

You can start the Epson Scan 2 program to select scan settings, scan, and save the scanned image to a file.

**Note:** If you are using your Epson product with the Windows 10 S operating system, you cannot use the software described in this section. You also cannot download and install any Epson product software from the Epson website for use with Windows 10 S; you must obtain software only from the Windows Store.

- **Windows 10:** Click  and select **EPSON > Epson Scan 2**.
- **Windows 8.x:** Navigate to the **Apps** screen and select **Epson Scan 2**.
- **Windows (other versions):** Click  or **Start**, and select **All Programs** or **Programs**. Select **EPSON > Epson Scan 2 > Epson Scan 2**.
- **Mac:** Open the **Applications** folder, open the **Epson Software** folder, and select **Epson Scan 2**.

You see an Epson Scan 2 window like this:



Parent topic: [Starting a Scan](#)

## Starting a Scan from a Scanning Program

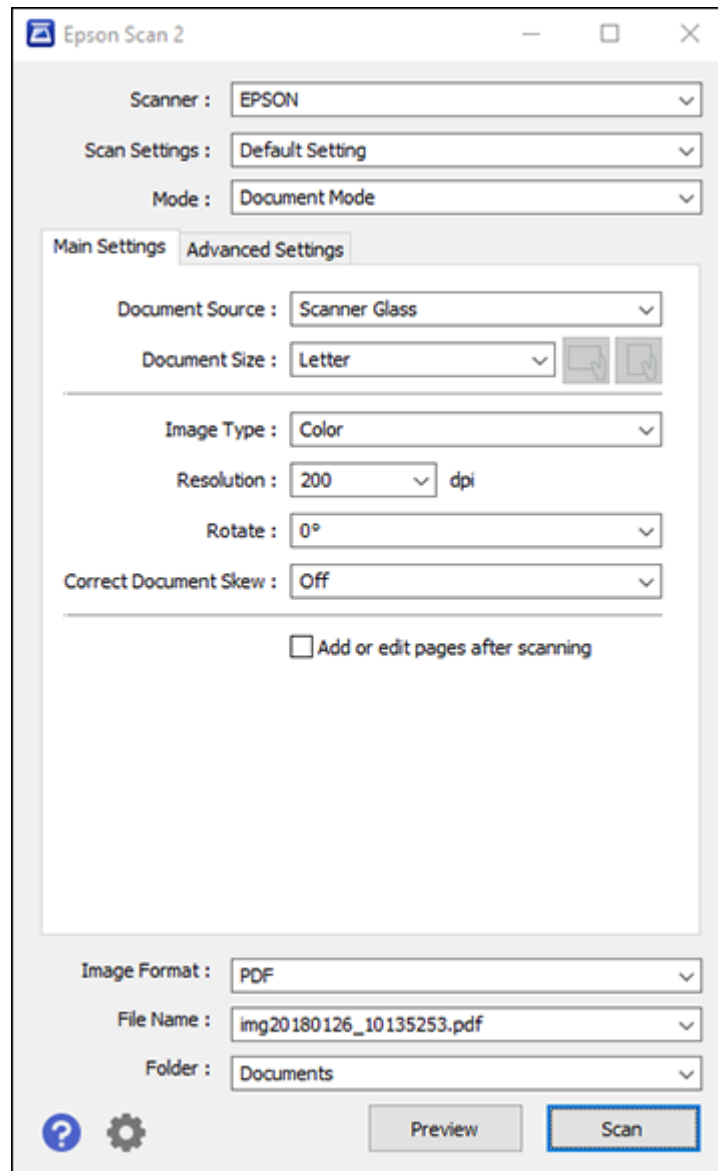
You can start Epson Scan 2 from a TWAIN-compliant scanning program to select scan settings, scan, and open the scanned image in the program.

**Note:** If you are using your Epson product with the Windows 10 S operating system, you cannot use the software described in this section. You also cannot download and install any Epson product software from the Epson website for use with Windows 10 S; you must obtain software only from the Windows Store.

1. Open your scanning program and select its scanning option. (See your scanning program help for instructions.)
2. Select your product.

**Note:** In certain programs, you may need to select your product as the "source" first. If you see a **Select Source** option, choose it and select your product. With Windows, do not select a **WIA** option for your product; not all scan functions will be available.

You see an Epson Scan 2 window like this:



**Parent topic:** [Starting a Scan](#)

**Related tasks**

[Scanning in Epson Scan 2](#)

## Scanning in Epson Scan 2

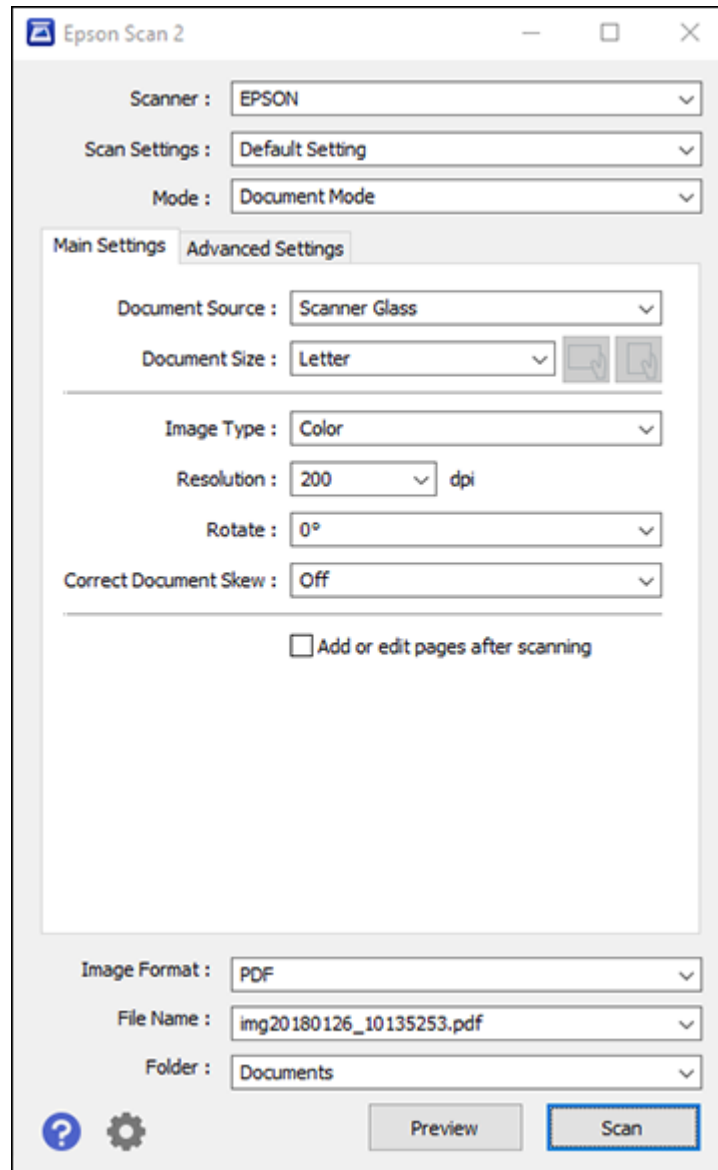
Epson Scan 2 gives you access to basic and advanced scanning features. You can scan your document and save the scanned image in various file formats in your operating system's Documents or My Documents folder, or open it in your scanning program. You can preview the scanned image and select or change settings as necessary.

**Note:** If you are using your Epson product with the Windows 10 S operating system, you cannot use the software described in this section. You also cannot download and install any Epson product software from the Epson website for use with Windows 10 S; you must obtain software only from the Windows Store.

1. Start Epson Scan 2.

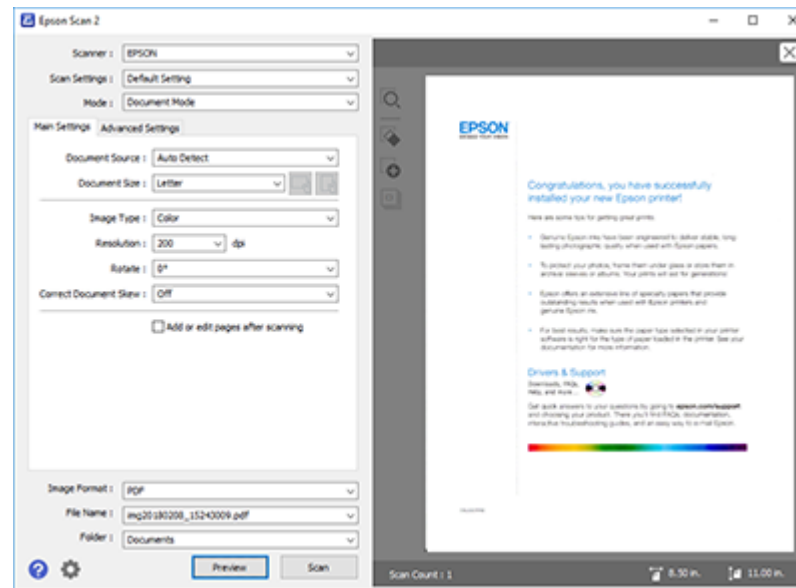


You see this window:



2. Select the **Mode** setting that matches the type of original you are scanning.
3. Select the **Document Source** setting that matches where you placed your original.
4. Select the **Document Size** setting that matches the size of your original. You can select **Customize** to enter a custom size, if necessary.
5. Select the image type of your original and how you want it scanned as the **Image Type** setting.
6. Select the **Resolution** setting you want to use for your scan.
7. Click the **Preview** button.

Epson Scan 2 previews your original and displays the results in the Epson Scan 2 window.



8. Do one of the following:
  - If you're scanning in Document Mode, select any of the additional settings that you want to use on the Main Settings tab.
  - If you're scanning in Photo Mode, select the **Color Management** and **Thumbnail Options** settings as necessary.
9. Click the **Advanced Settings** tab and select any settings that you want to use.

10. Select the format in which you want to save your scanned file as the **Image Format** setting. If necessary, select **Options** and select any desired format options.
11. Enter the file name for your scanned file in the **File Name** field. If necessary, select **Settings** to modify the file name settings.
12. Select the location in which you want to save your scanned file as the **Folder** setting. If necessary, select **Select** to create a new folder.
13. Click **Scan**.

The product scans your original and saves the scanned file in the location you specified.

[Additional Scanning Settings - Main Settings Tab](#)

[Additional Scanning Settings - Advanced Settings Tab](#)

[Saving Scanned Documents as a Searchable PDF Using Epson Scan 2](#)

[Image Format Options](#)

[Scan Resolution Guidelines](#)

**Parent topic:** [Scanning](#)

## Additional Scanning Settings - Main Settings Tab

You can select these additional scanning settings on the Epson Scan 2 Main Settings tab. Not all adjustment settings may be available, depending on other settings you have chosen.

### **Rotate**

Rotates the original image clockwise to the desired angle before scanning it. Select **Auto** to allow your product to automatically rotate the image based on the orientation of the text (may take longer to scan).

### **Correct Document Skew**

Corrects skewed originals, image contents, or both.

### **Add or edit pages after scanning**

Lets you add, remove, or edit the pages in a scan, including rotating pages and changing the page order.

**Note:** To save multiple pages in a single file, you must select a file format that supports multiple pages such as **PDF** or **Multi-TIFF**. If you select another file format, each scanned image or page is saved as a separate file.

**Parent topic:** [Scanning in Epson Scan 2](#)

## Additional Scanning Settings - Advanced Settings Tab

You can select these additional scanning settings on the Epson Scan 2 Advanced Settings tab. Not all adjustment settings may be available, depending on other settings you have chosen.

### **Remove Background**

Removes the background of the originals.

### **Text Enhancement**

Sharpens the appearance of letters in text documents.

### **Auto Area Segmentation**

Makes black and white images clearer and text recognition more accurate by separating the text from the graphics.

### **Threshold**

Adjusts the level at which black areas in text and line art are delineated, improving text recognition in OCR (Optical Character Recognition) programs.

### **Color Enhance**

Enhances the shades of the color you select in the scanned image. This setting is available only if you select **Grayscale** or **Black & White** as the Image Type setting.

### **Brightness**

Adjusts the overall lightness and darkness of the scanned image.

### **Contrast**

Adjusts the difference between the light and dark areas of the overall scanned image.

### **Gamma**

Adjusts the midtone density of the scanned image.

### **Unsharp Mask**

Makes the edges of certain image areas clearer. Turn off this option to leave softer edges.

### **Descreening**

Removes the ripple pattern that might appear in subtly shaded image areas, such as skin tones. This option improves results when scanning magazines or newspapers. (The results of descreening do not appear in the preview image, only in your scanned image.)

### **Edge Fill**

Corrects shadowing around the edges of the image by filling the shadows with black or white.

### **Dual Image Output**

Scans the original image twice using different output settings (Windows only).

**Parent topic:** [Scanning in Epson Scan 2](#)

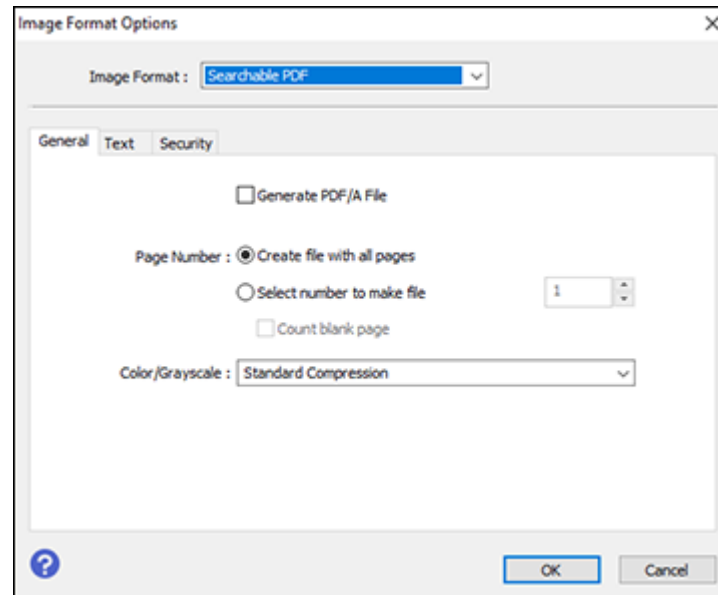
## Saving Scanned Documents as a Searchable PDF Using Epson Scan 2

You can scan a document and save the text in a searchable PDF. In a searchable PDF, text is recognized using Optical Character Recognition (OCR) and then embedded in the scanned original.

**Note:** The required Epson Scan 2 OCR Component is installed automatically when you install your product software as instructed on the *Start Here* sheet. If you install your scanner software programs individually, be sure to also install this component if you want to perform OCR.

1. Load your original in the product for scanning.
2. Start Epson Scan 2.
3. Select your scan settings.
4. Click **Preview** and adjust the area you want to scan, if necessary.
5. Select **Searchable PDF** as the Image Format setting.
6. Select **Options** from the Image Format list.

You see this window:



7. Select any of the options on the **General** tab.
8. Select the **Text** tab.
9. Make sure the language used in the document text is selected as the **Text Language** setting.
10. Select the **Security** tab if you want to add a password to the PDF or protect printing or editing properties.
11. Click **OK**.
12. Confirm the **File Name** setting and select a **Folder** setting for your document.
13. Click **Scan**.

The scanned image is saved as a searchable PDF.

**Parent topic:** [Scanning in Epson Scan 2](#)

## Image Format Options

You can select different image formats and related options. For details on available options, click the ? icon on the Epson Scan 2 Image Format Options window. Not all image formats have options.

### **BITMAP (\*.bmp)**

A standard image file format for most Windows programs.

### **JPEG (\*.jpg)**

An image format that lets you highly compress image data. However, the higher the compression, the lower the image quality. (The TIFF format is recommended when you need to modify or retouch your scanned image.)

### **PNG (\*.png)**

An image format that does not lose quality during editing.

### **TIFF (\*.tif)**

A file format created for exchanging data between many programs, such as graphic and DTP software.

### **Multi-TIFF (\*.tif)**

A TIFF file format when multiple pages are saved to the same file, allowing you to edit the images using a compatible program.

### **PDF (\*.pdf)**

A document format that is readable by Windows and Mac systems using Adobe Reader, Acrobat, or other programs. You can save multi-page documents in one PDF file.

**Searchable PDF (\*.pdf)**

A document format that is readable by Windows and Mac systems using Adobe Reader, Acrobat, or other programs. You can save multi-page documents in one PDF file. Recognized text in the scanned document can be searched.

**Parent topic:** [Scanning in Epson Scan 2](#)

## Scan Resolution Guidelines

The **Resolution** setting, measured in dpi (dots per inch), controls the amount of detail captured in your scans. Increasing the resolution raises the amount of detail captured but comes with the following disadvantages:

- Larger file sizes
- It takes longer to scan your originals, send/receive your scans by email or fax, and to print your scans
- The image may become too large to fit on your display or print on paper

If you plan to enlarge a scanned image so you can print it at a larger size, you may need to increase the resolution from the default resolution set by Epson Scan 2. Follow these guidelines to determine the resolution setting you need:

- You will scan the image at its original size but enlarge it later in an image-editing program.

Increase the Epson Scan 2 Resolution setting in your scan. Increase the resolution by the same amount you will increase the image size to retain a high image quality. For example, if the resolution is 300 dpi (dots per inch) and you will double the image size later, change the Resolution setting to 600 dpi.

- You will scan the image at 100% or a smaller size.

Select the Epson Scan 2 Resolution setting based on how you will use the scanned image:

- Email/view on a computer screen/post on the web: 96 to 200 dpi
- Print/fax/convert to editable text (OCR)/create searchable PDF: 200 to 300 dpi

**Parent topic:** [Scanning in Epson Scan 2](#)

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# Refilling Ink

When the ink level is below the lower line on an ink tank, you need to refill it.

Before checking the ink levels or refilling an ink tank as described here, be sure to read the ink safety precautions.

**Caution:** If the ink level is below the lower line on the ink tank, fill it to the upper line on the ink tank. Continued use of the product when the ink level is below the lower line on a tank could damage the product.

[Ink Safety Precautions](#)

[Checking Ink Levels on Your Product](#)

[Disabling Special Offers with Windows](#)

[Purchase Epson Ink](#)

[Refilling the Ink Tanks](#)

## Ink Safety Precautions

### Ink Handling Precautions

- Keep ink bottles and the ink tanks out of the reach of children. Do not allow children to drink from or handle the ink bottles and bottle caps.
- Do not tilt or shake an ink bottle after opening it; otherwise, ink may leak.
- If ink gets on your skin, wash it thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water. If ink gets into your mouth, spit it out and see a doctor right away.
- Do not squeeze the ink bottles.

### Ink Refilling Precautions

- Use ink bottles with the correct part number for this product.
- Do not mix with other Epson ink types.
- The use of non-Epson ink may cause damage that is not covered by Epson's warranty, and under certain circumstances, may cause erratic product behavior.
- This product requires careful handling of ink. Ink may splatter when the ink tanks are filled or refilled with ink. If ink gets on your clothes or belongings, it may not come off.



- Do not open the ink bottle package until you are ready to fill an ink tank. Ink bottles are vacuum packed to maintain reliability. If you leave an ink bottle unpacked for a long time before using it, print quality may be affected.
- If the ink level is below the lower line on the ink tank, refill the ink. Continued use of the product when the ink level is below the lower line on the ink tank could damage the product.
- After bringing an ink bottle inside from a cold storage site, allow it to warm up at room temperature for at least three hours before using it.
- Store ink bottles in a cool, dark place.
- Store the ink bottles in the same environment as the product. When storing or transporting an opened ink bottle, do not tilt the bottle and do not subject it to impacts or temperature changes. Otherwise, ink may leak even if the cap on the ink bottle is tightened securely. Be sure to keep the ink bottle upright when tightening the cap, and take measures to prevent ink from leaking when you transport the bottle.

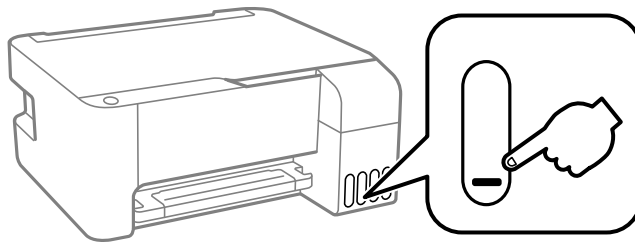
#### **Ink Bottle and Ink Tank Information**

- To maintain optimum print head performance, some ink is consumed from all ink tanks during printing and when performing maintenance operations, such as cleaning the print head.
- The ink bottles may contain recycled materials, but this does not affect product function or performance.
- The specification and appearance of the ink bottles are subject to change without prior notice for improvement.
- When printing in monochrome or grayscale, color ink may be used instead of black ink, depending on the paper type or print quality settings. This is because a mixture of color inks is used to create black.

**Parent topic:** [Refilling Ink](#)

## **Checking Ink Levels on Your Product**

To confirm the actual ink levels, visually check the ink levels in the product's ink tanks. Make sure the ink levels are above the lower lines on the ink tanks.



**Parent topic:** [Refilling Ink](#)

**Related references**

[Ink Safety Precautions](#)



**Related tasks**

[Refilling the Ink Tanks](#)

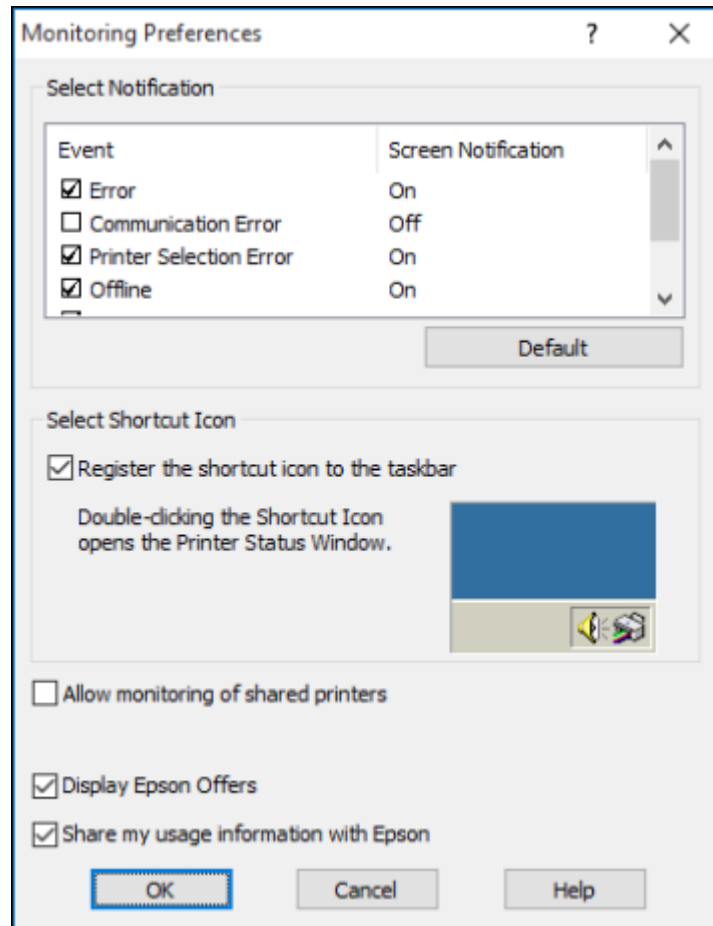
## Disabling Special Offers with Windows

You can disable special offers messages from Epson using a utility on your Windows computer.

**Note:** You may see the Epson Special Offers screen every time you print (if your computer is connected to the Internet). Select **Do not display this message again** and click **Decline** to disable online offers. Promotional offers are not valid in Latin America.

1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click . Select **Monitoring Preferences**.

You see this window:



2. To disable promotional offers, deselect the **Display Epson Offers** checkbox.

Parent topic: [Refilling Ink](#)

## Purchase Epson Ink

You can purchase genuine Epson ink and paper from an Epson authorized reseller. To find the nearest reseller, visit [epson.com.jm](http://epson.com.jm) or call your nearest Epson sales office.

**Note:** This product is designed to work with genuine Epson inks. Non-Epson ink or any other ink not specified for this printer could cause damage not covered by Epson's warranties.

The ink bottles that are used for initial product setup have a lower yield due to the ink charging process. This process is carried out the first time you turn on the printer and guarantees better performance. Yields vary considerably based on print jobs, print settings, paper type, frequency of use, and temperature. Do not load paper before refilling the ink tanks.

Check the ink levels in your product frequently, and refill the ink tanks if necessary.

[Ink Bottle Part Numbers](#)

**Parent topic:** [Refilling Ink](#)

## Ink Bottle Part Numbers

Use these part numbers when you order or purchase new ink bottles, and use the ink by the date printed on the package:

Ink color	Part number
Black	544
Cyan	544
Magenta	544
Yellow	544

**Parent topic:** [Purchase Epson Ink](#)

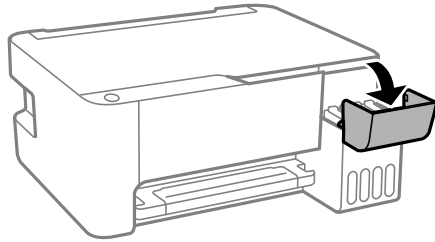
## Refilling the Ink Tanks

Make sure you have new ink bottles handy and have read the ink safety precautions before you begin.

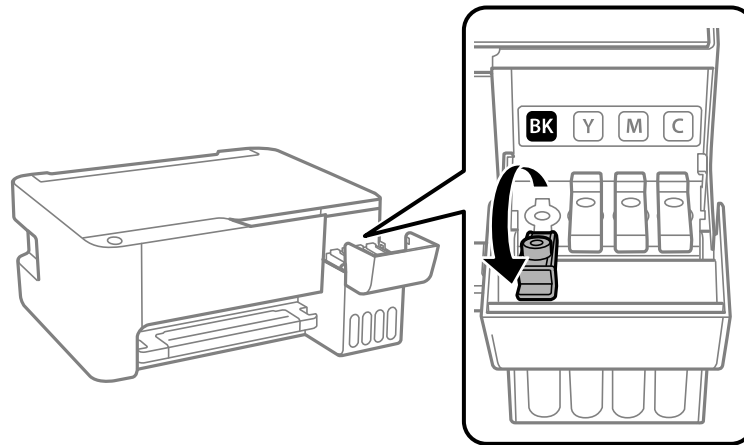
You can continue to use the product even if one or more ink tanks are not filled all the way.

**Caution:** Wear disposable gloves while refilling the ink tanks to avoid staining your hands. If ink spills, wipe it off immediately with a damp towel to avoid permanent stains. If ink gets on your clothes or belongings, it may not come off.

1. Open the ink tank cover.

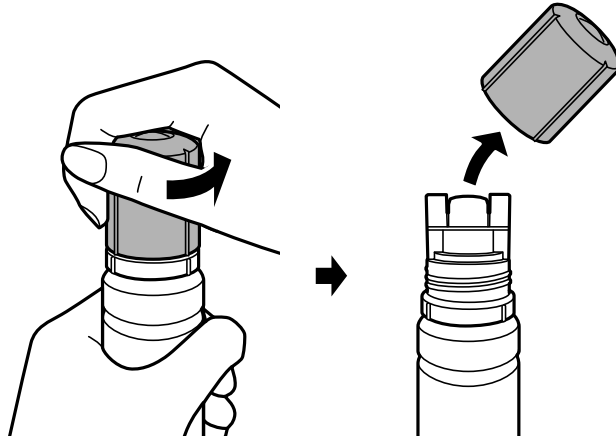


2. Open the cap for the ink tank you are going to fill.



**Note:** Make sure the color of the ink tank label matches the ink color you want to fill.

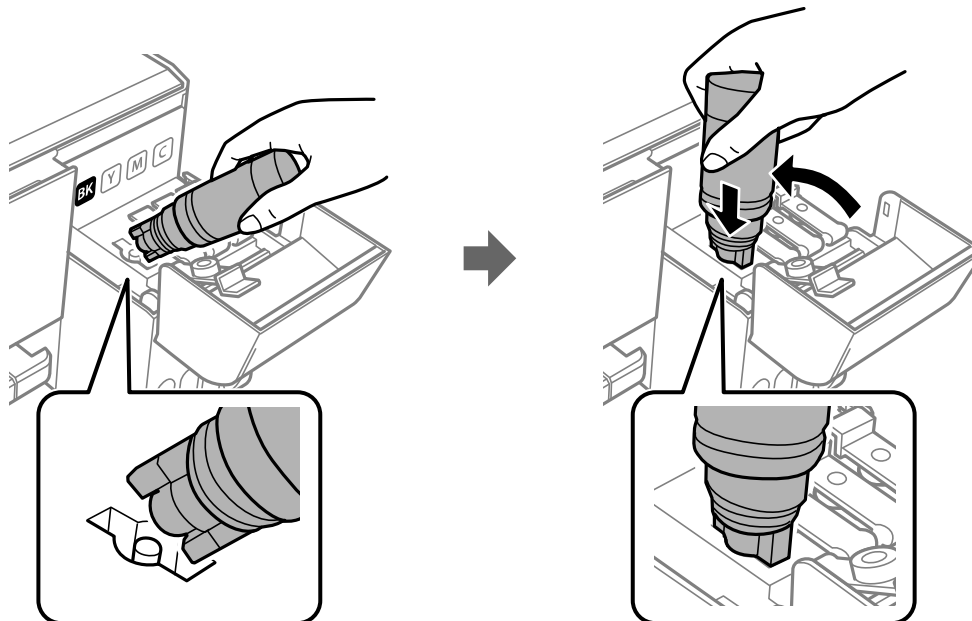
3. Hold the ink bottle upright and slowly turn the bottle cap to remove it.



**Caution:** Do not shake or squeeze the bottle. Do not touch the top of the bottle after removing its cap.

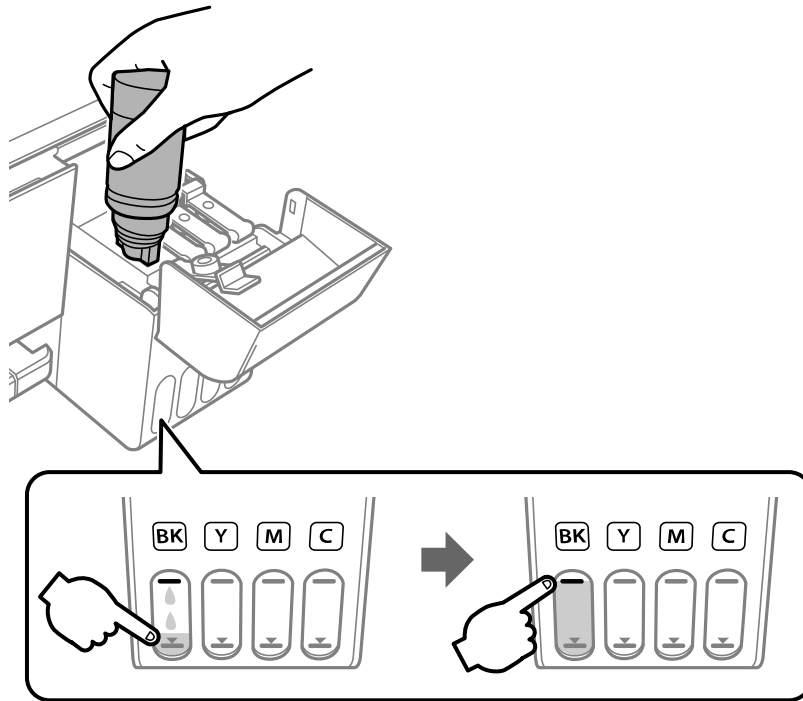
**Warning:** If ink gets on your skin, wash it thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water. If ink gets into your mouth, spit it out and see a doctor right away. Seek medical advice if problems persist. Keep the ink bottles out of the reach of children and do not drink the ink.

4. Position the top of the ink bottle along the slot in front of the filling port, then slowly stand the bottle up to insert it.



**Note:** Do not force the bottles into position; they are keyed for each color.

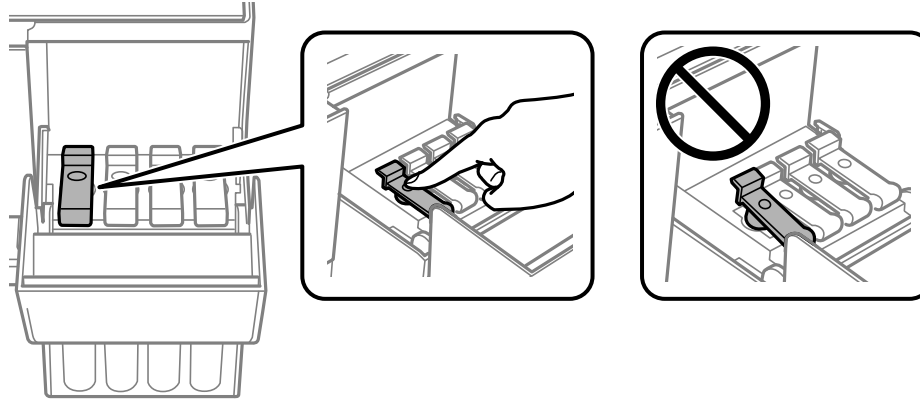
5. Wait for the ink to fill the tank. Do not squeeze the bottle. Ink flows into the tank and stops automatically when the ink is filled to the upper line.



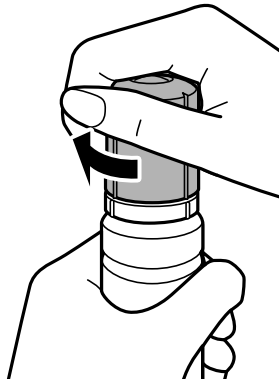
**Note:** If ink does not flow from the bottle, lift and reinsert the bottle.



- When the ink tank is full, remove the ink bottle and securely close the ink tank cap as shown.

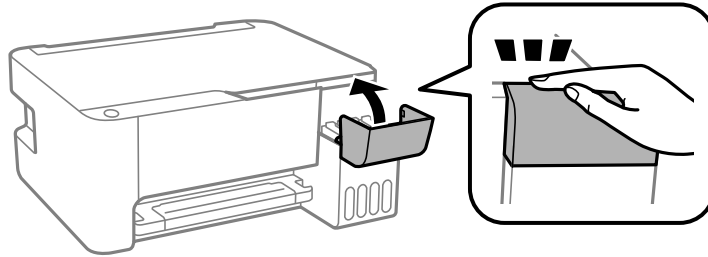


**Note:** If any ink remains in the bottle, replace the bottle cap and tighten it. Store the bottle upright for later use.



- Repeat the previous steps as necessary for each ink tank you need to fill.

8. Close the ink tank cover.



**Parent topic:** [Refilling Ink](#)

**Related concepts**

[Purchase Epson Ink](#)

**Related references**

[Ink Safety Precautions](#)

---

## Adjusting Print Quality

If your print quality declines, you may need to run a utility to clean or align the print head.

If running these utilities does not solve the problem, you may need to run a Power Cleaning or clean the paper path.

[Print Head Maintenance](#)

[Print Head Alignment](#)

[Cleaning the Paper Path](#)

[Checking the Number of Sheets](#)

## Print Head Maintenance

If your printouts become too light, or you see dark or light bands across them, you may need to clean the print head nozzles. Cleaning uses ink, so clean the nozzles only if print quality declines.

You can check for clogged nozzles before you clean them so you don't clean them unnecessarily.

**Note:** You may not be able to clean the print head when the ink level in any of the tanks is low. You may have to refill the ink tank first.

If you still see white or dark lines or gaps in your printouts, even after cleaning the print head several times, you can run a Power Cleaning.

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

[Power Cleaning](#)

**Parent topic:** [Adjusting Print Quality](#)

**Related tasks**

[Refilling the Ink Tanks](#)

## Print Head Nozzle Check

You can print a nozzle check pattern to check for clogged nozzles.

[Checking the Nozzles Using the Product Buttons](#)

[Checking the Nozzles Using a Computer Utility](#)

**Parent topic:** [Print Head Maintenance](#)

## Checking the Nozzles Using the Product Buttons

You can check the print head nozzles using the buttons on your product.

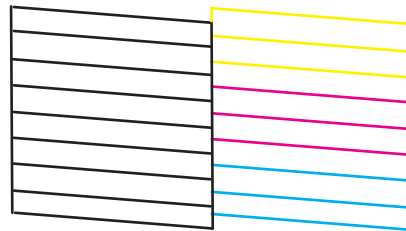
1. Press the ⏻ power button to turn the product off.
2. Load a few sheets of plain paper in the product.
3. Hold down the ⏹ stop button and press the ⏻ power button to turn the product on.
4. When the product turns on, release both buttons.

The product begins printing a nozzle check pattern.

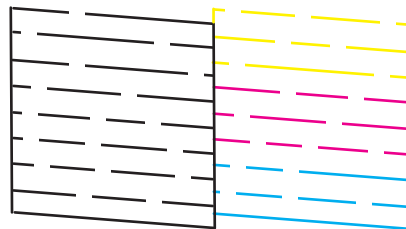
**Note:** It can take a few seconds for the nozzle check pattern to start printing. If it does not start printing after a few seconds, make sure there is paper loaded in the product.

5. Check the printed pattern to see if there are gaps in the lines.

### Print head is clean



### Print head needs cleaning



6. If there are no gaps, the print head is clean and you can continue printing.  
If there are gaps or the pattern is faint, clean the print head.

**Parent topic:** [Print Head Nozzle Check](#)



**Related tasks**

[Loading Paper in the Sheet Feeder](#)

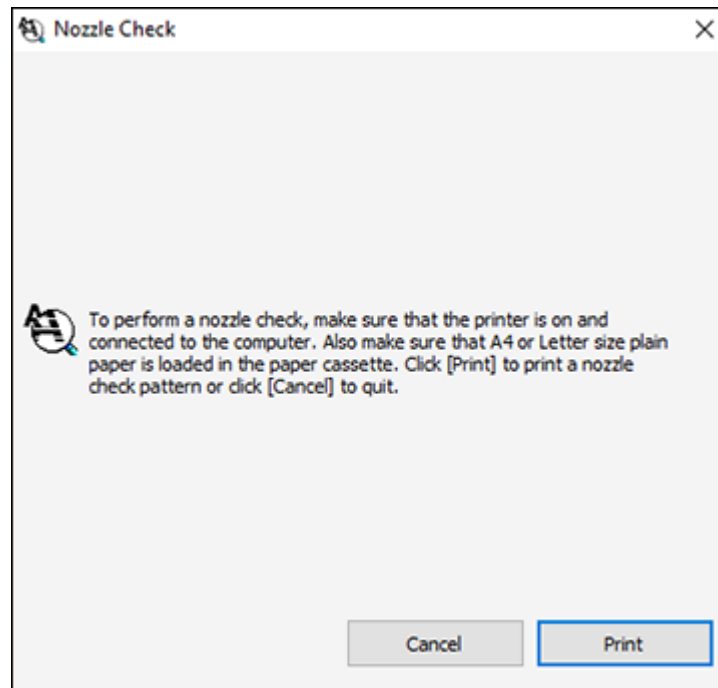
[Cleaning the Print Head Using the Product Buttons](#)

**Checking the Nozzles Using a Computer Utility**

You can check the print head nozzles using a utility on your Windows or Mac computer.

1. Load a few sheets of plain paper in the product.
2. Do one of the following:
  - **Windows:** Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
  - **Mac:** In the Apple menu or the Dock, select **System Preferences**. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.
3. Select **Nozzle Check**.

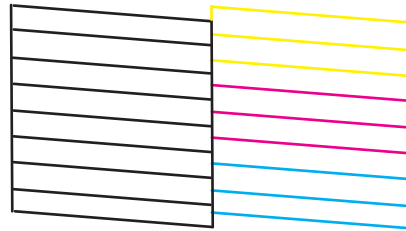
You see a window like this:



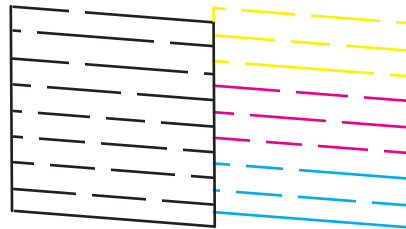
4. Click **Print**.

5. Check the printed pattern to see if there are gaps in the lines.

#### Print head is clean



#### Print head needs cleaning



6. If there are no gaps, click **Finish**.

If there are gaps or the pattern is faint, clean the print head.

**Parent topic:** [Print Head Nozzle Check](#)

#### Related tasks

[Loading Paper in the Sheet Feeder](#)

[Cleaning the Print Head Using a Computer Utility](#)

## Print Head Cleaning

If print quality has declined and the nozzle check pattern indicates clogged nozzles, you can clean the print head.

**Note:** You may not be able to clean the print head when the ink level in any of the tanks is low. You may have to refill the ink tank first.

[Cleaning the Print Head Using the Product Buttons](#)

[Cleaning the Print Head Using a Computer Utility](#)


**Parent topic:** [Print Head Maintenance](#)


**Related tasks**

[Refilling the Ink Tanks](#)

### **Cleaning the Print Head Using the Product Buttons**

You can clean the print head using the buttons on your product.

1. Make sure no product lights are indicating errors.
2. Load a few sheets of plain paper in the product.
3. Hold down the  stop button for five seconds to start the cleaning cycle.

The  power light flashes throughout the cleaning cycle and stays on when the cleaning cycle is finished.

**Caution:** Never turn off the product during a cleaning cycle or you may damage it.

4. Run a nozzle check to confirm that the print head is clean.

If you don't see any improvement after cleaning the print head up to 3 times, turn off the product and wait at least 12 hours. Then try cleaning the print head again. If quality still does not improve, run a Power Cleaning. If there is still no improvement, contact Epson support.

**Parent topic:** [Print Head Cleaning](#)

**Related concepts**

[Power Cleaning](#)

**Related references**

[Where to Get Help](#)

**Related tasks**

[Loading Paper in the Sheet Feeder](#)

[Checking the Nozzles Using the Product Buttons](#)



### **Cleaning the Print Head Using a Computer Utility**

You can clean the print head using a utility on your Windows or Mac computer.

1. Make sure no product lights are indicating errors.
2. Load a few sheets of plain paper in the product.

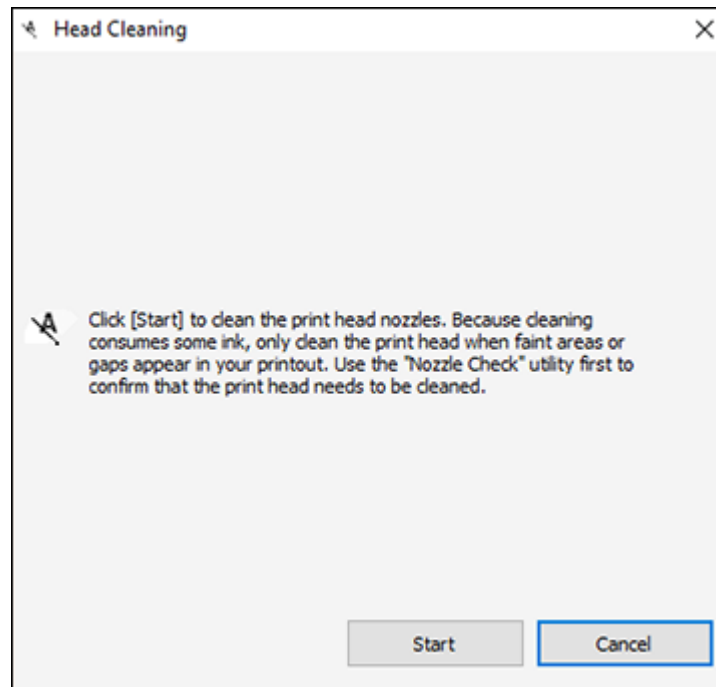


3. Do one of the following:

- **Windows:** Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
- **Mac:** In the Apple menu or the Dock, select **System Preferences**. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.

4. Select **Head Cleaning**.

You see a window like this:

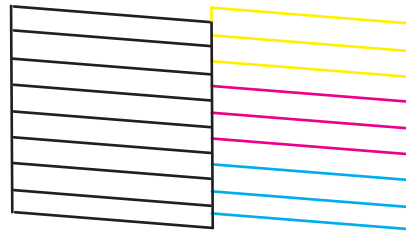


5. Click **Start** to begin the cleaning cycle.

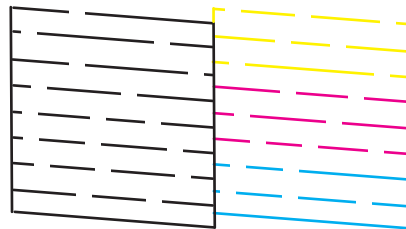
**Caution:** Never turn off the product during a cleaning cycle or you may damage it.

- When the cleaning cycle is finished, you can check to see if the nozzles are clean; click **Print Nozzle Check Pattern** and click **Print**.
- Check the printed pattern to see if there are gaps in the lines.

#### Print head is clean



#### Print head needs cleaning



- If there are no gaps, click **Finish**.
- If there are gaps or the pattern is faint, click **Clean** to clean the print head again.

If you don't see any improvement after cleaning the print head up to 3 times, turn off the product and wait at least 12 hours. Then try cleaning the print head again. If quality still does not improve, run a Power Cleaning. If there is still no improvement, contact Epson support.

**Parent topic:** [Print Head Cleaning](#)

#### Related concepts

[Power Cleaning](#)

#### Related references

[Where to Get Help](#)

### Related tasks

[Loading Paper in the Sheet Feeder](#)

[Checking the Nozzles Using a Computer Utility](#)

## Power Cleaning

If you still see white or dark lines or missing nozzles in your printouts, even after cleaning the print head several times, you can run a Power Cleaning.

If you do not see improvement after running a Power Cleaning, turn off the product and wait at least 12 hours before running another Power Cleaning.

**Caution:** Running a Power Cleaning consumes a lot of ink, so you should run it only if necessary. Make sure each ink tank is at least one-third full before running a Power Cleaning, or it may damage the product.

**Caution:** Power Cleaning may cause the ink pads to reach their capacity sooner. When an ink pad reaches the end of its service life, the product stops printing and you must contact Epson for support.

[Power Cleaning Using a Computer Utility](#)

**Parent topic:** [Print Head Maintenance](#)



### Related tasks

[Refilling the Ink Tanks](#)

## Power Cleaning Using a Computer Utility

You can run a Power Cleaning using a utility on your Windows or Mac computer.

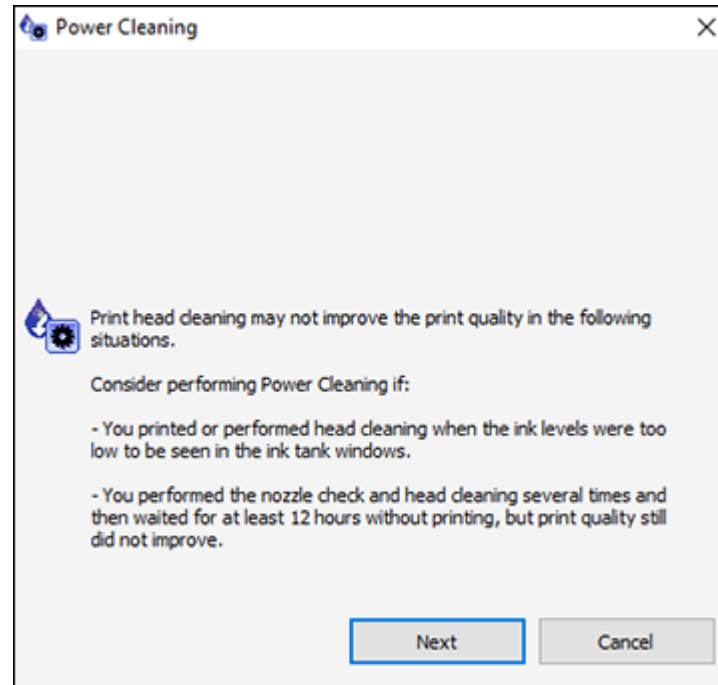
**Note:** After running a Power Cleaning, you must turn off the product and wait at least 12 hours before running another Power Cleaning.

1. Make sure no product lights are indicating errors.
2. Load a few sheets of plain paper in the product.
3. Do one of the following:
  - **Windows:** Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click . Select **Printer Settings** and click the **Maintenance** tab.

- **Mac:** In the Apple menu or the Dock, select **System Preferences**. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.

4. Select **Power Cleaning**.

You see a window like this:



5. Follow the on-screen instructions to run a Power Cleaning.

6. When Power Cleaning is finished, run a nozzle check.

If print quality has not improved after running Power Cleaning, wait for at least 12 hours without printing, and then print the nozzle check pattern again. Run Print Head Cleaning or Power Cleaning again depending on the printed pattern. If quality still does not improve, contact Epson support.

**Parent topic:** [Power Cleaning](#)

**Related concepts**

[Print Head Nozzle Check](#)

### Related references

[Product Light Status](#)  
[Where to Get Help](#)

### Related tasks

[Loading Paper in the Sheet Feeder](#)

## Print Head Alignment

If your printouts become grainy or blurry, you notice misalignment of vertical lines, or you see dark or light horizontal bands, you may need to align the print head.

**Note:** Banding may also occur if your print head nozzles need cleaning.

[Aligning the Print Head Using a Computer Utility](#)

**Parent topic:** [Adjusting Print Quality](#)

### Related concepts



[Print Head Cleaning](#)

### Related tasks

[Loading Paper in the Sheet Feeder](#)

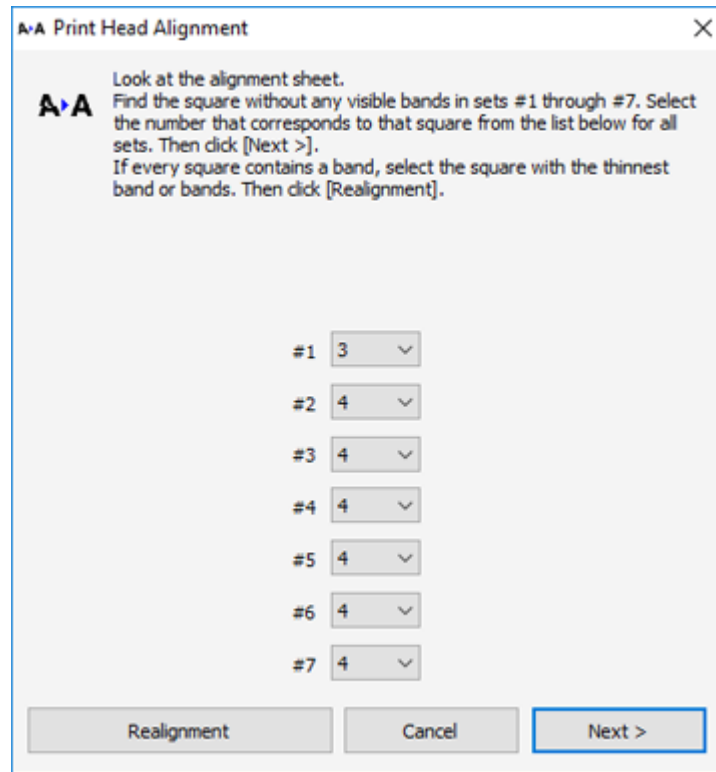
## Aligning the Print Head Using a Computer Utility

You can align the print head using a utility on your Windows or Mac computer.

1. Load a few sheets of plain paper in the product.
2. Do one of the following:
  - **Windows:** Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
  - **Mac:** In the Apple menu or the Dock, select **System Preferences**. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.
3. Select **Print Head Alignment**.
4. Click **Next**, then click **Print** to print an alignment sheet.

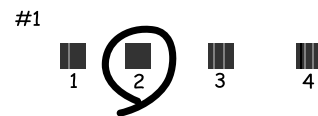
**Note:** Do not cancel printing while you are printing a head alignment pattern.

You see a window like this:



5. Check the printed pattern and follow the instructions on the screen to choose the number of the best printed pattern for each set.

### Vertical alignment



## Horizontal alignment



- After choosing a pattern number, click **Next**.
- If no patterns are aligned in one or more of the sets, choose the closest one in each set and click **Realignment**. Then print another alignment sheet and check it.

**Note:** Click **Skip** (where available) if you want to skip a particular alignment sheet.

6. When you are done, click **Finish**.

**Parent topic:** [Print Head Alignment](#)

### Related tasks

[Loading Paper in the Sheet Feeder](#)

## Cleaning the Paper Path

If you see ink on the back of a printout, you can clean the paper path to remove any excess ink.

**Caution:** Do not use tissues to clean the rollers inside the product; lint from tissue may clog the print head nozzles.

1. Load a few sheets of plain paper in the product.
2. Use the product control panel to make a copy, but without placing a document on the scanner glass.

**Note:** Make sure there is no dust or stains on the scanner glass or document cover.

3. Check the back of the ejected paper to see if it is clean.
4. Repeat as necessary until the paper comes out clean.

**Parent topic:** [Adjusting Print Quality](#)

**Related tasks**

[Loading Paper in the Sheet Feeder](#)

**Related topics**

[Copying](#)

## Checking the Number of Sheets

You can view an option that displays the number of sheets of paper that have fed through the product.

**Note:** You can also view the number of sheets of paper fed through the product by printing a nozzle check.



[Checking the Sheet Counter - Windows](#)

[Checking the Sheet Counter - Mac](#)

**Parent topic:** [Adjusting Print Quality](#)

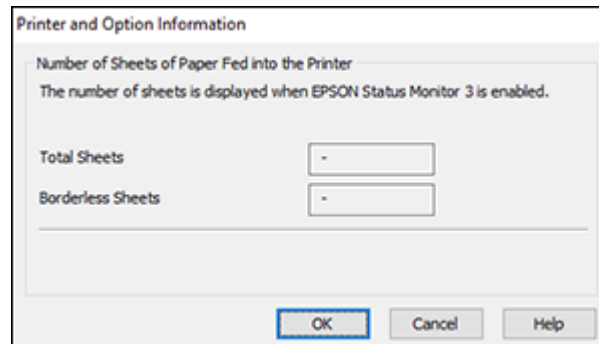
## Checking the Sheet Counter - Windows

You can check the number of sheets of paper that have fed through the product by checking the sheet counter.

1. Access the Windows Desktop and right-click the  icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click .
2. Select **Printer Settings**.
3. Click the **Maintenance** tab.
4. Select **Printer and Option Information**.



You see this window:



5. After checking the number of sheets fed into the printer, click **OK** to close the window.

**Note:** The number of sheets is displayed only when Epson Status Monitor 3 is enabled.

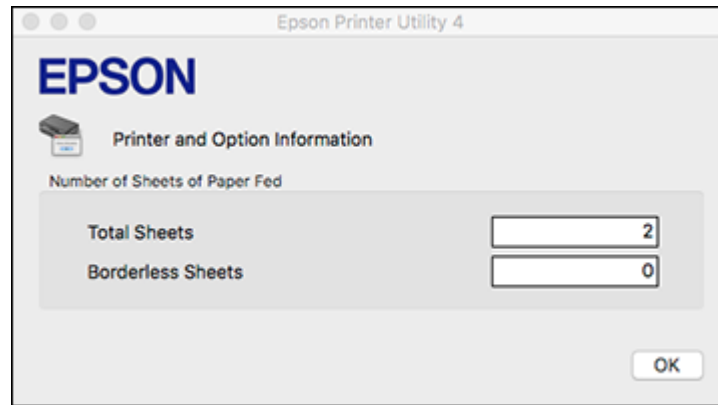
**Parent topic:** [Checking the Number of Sheets](#)

## Checking the Sheet Counter - Mac

You can check the number of sheets of paper that have fed through the product by checking the sheet counter.

1. In the Apple menu or the Dock, select **System Preferences**. Select **Print & Fax**, **Print & Scan**, or **Printers & Scanners**, select your product, and select **Options & Supplies**. Select **Utility** and select **Open Printer Utility**.
2. Select **Printer and Option Information**.

You see this window:



3. After checking the number of sheets fed into the printer, click **OK** to close the window.

**Parent topic:** [Checking the Number of Sheets](#)

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# Cleaning and Transporting Your Product

See these sections if you need to clean or transport your product.

[Cleaning Your Product](#)

[Transporting Your Product](#)

## Cleaning Your Product

To keep your product working at its best, you should clean it several times a year.

Close the output tray and paper support when you are not using the product to protect it from dust.

**Caution:** Do not use a hard brush, alcohol, or paint thinner to clean the product or you may damage it. Do not use oil or other lubricants inside the product or let water get inside it.

1. Turn off the product.
2. Unplug the power cable.
3. Disconnect any connected cables.
4. Remove all the paper.
5. Clean the scanner glass with a soft, lint-free cloth (microfiber is recommended), moistened with a little glass cleaner.

**Caution:** Do not spray glass cleaner directly on the glass and do not press the glass surface with any force.

6. Clean the outer case and control panel with a soft, dry cloth. Do not use liquid or chemical cleansers.

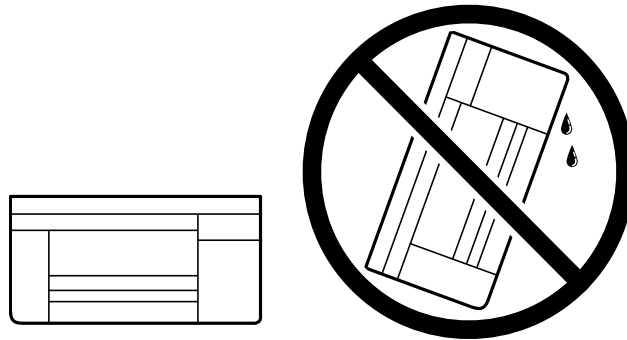
**Parent topic:** [Cleaning and Transporting Your Product](#)

## Transporting Your Product

If you need to store your product or transport it some distance, prepare it for transportation as described here.

**Caution:** During transportation and storage, follow these guidelines:

- Avoid tilting the product, placing it vertically, or turning it upside down; otherwise ink may leak.

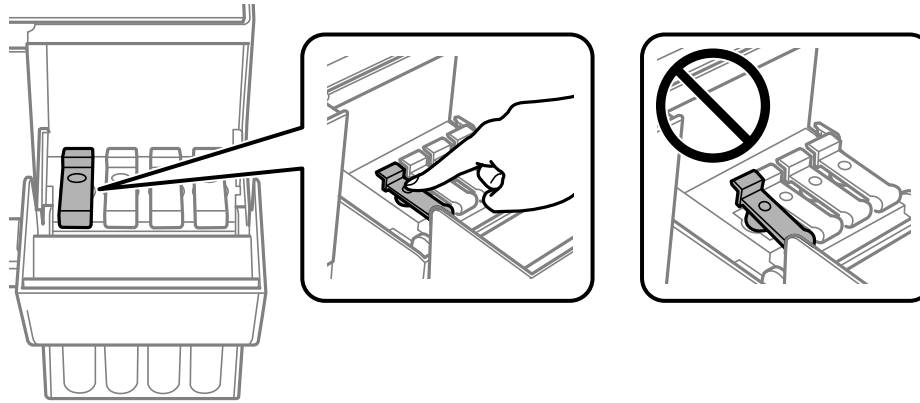


- When storing or transporting an ink bottle after removing its seal, do not tilt the bottle and do not subject it to impacts or temperature changes. Otherwise, ink may leak even if the cap on the ink bottle is tightened securely. Be sure to keep the ink bottle upright when tightening the cap, and take measures to prevent ink from leaking when transporting the ink bottles.
- Do not put opened ink bottles in the box with the product.

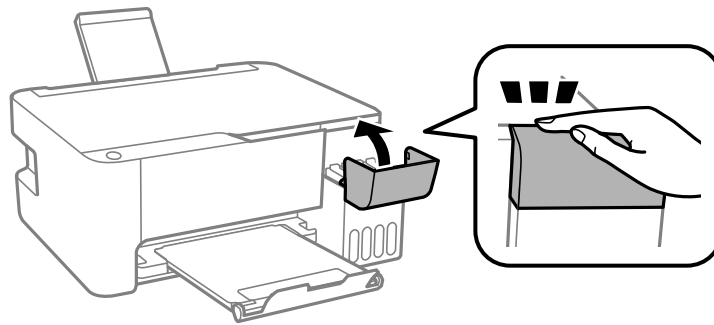
**Note:** Before storing your product for a long period, replace low, expended, or expired ink to help prevent the print head from drying out. Store your product in a cool, dry place.

1. Turn off the product.
2. Open the front cover and check to see if the print head is in the far right position (the home position). If not, turn on the product, wait for the print head to move to the far right, then turn the product off again.
3. Unplug the power cable.
4. Disconnect any connected cables.
5. Remove all the paper.

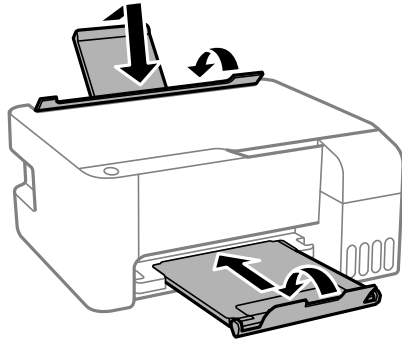
6. Open the ink tank cover and make sure that the ink tank caps are securely closed as shown.



7. Close the ink tank cover.



8. Close the paper support, feeder guard, and output tray.



9. Place the product in its original packaging materials, if possible, or use equivalent cushioning around the product.

If print quality has declined when you print again, clean and align the print head.

**Parent topic:** [Cleaning and Transporting Your Product](#)

**Related concepts**

[Print Head Cleaning](#)

[Print Head Alignment](#)

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# Solving Problems

Check these sections for solutions to problems you may have using your product.

[Checking for Software Updates](#)

[Product Light Status](#)

[Running a Product Check](#)

[Solving Setup Problems](#)

[Solving Copying Problems](#)

[Solving Paper Problems](#)

[Solving Problems Printing from a Computer](#)

[Solving Page Layout and Content Problems](#)

[Solving Print Quality Problems](#)

[Solving Scanning Problems](#)

[Solving Scanned Image Quality Problems](#)



[Uninstall Your Product Software](#)

[Where to Get Help](#)

## Checking for Software Updates

It's a good idea to check Epson's support website occasionally for free updates to your product software. Visit [epson.com/jm/support](https://epson.com/jm/support) and select your product.

- **Windows:** Your printer software automatically checks for updates. You can also manually update the software by selecting **Software Update** here:

- Accessing the Windows Desktop and right-clicking the  icon for your product in the right side of the Windows taskbar, or clicking the up arrow and right-clicking .
- On the **Maintenance** tab in the printer settings window

You can also update the software by selecting **EPSON Software Updater** in the **EPSON** or **Epson Software** program group, accessible by the **Start** button, or on the **Start** or **Apps** screens, depending on your version of Windows.

- **OS X:** You can manually update the software by opening the **Applications > Epson Software** folder and selecting **EPSON Software Updater**.
- **macOS 10.12.x or 10.13.x:** You can manually update the software by opening the **App Store**, selecting **Updates**, searching for a software update option for Epson Software, and selecting **Update**.

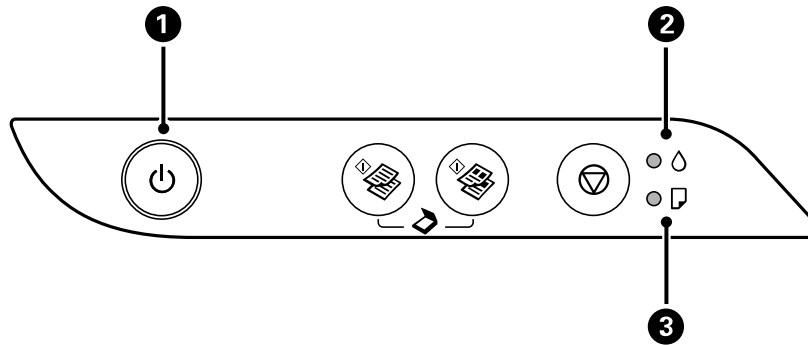
Parent topic: [Solving Problems](#)

Related tasks

[Changing Automatic Update Options](#)

## Product Light Status





















You can often diagnose problems with your product by checking its lights.



- 1    ⏻ power light
- 2    💧 ink light
- 3    📄 paper light

Light status	Condition/solution
The ⏻ power light is on	The product is turned on.
The ⏻ power light is flashing	The product is busy. Wait for the ⏻ power light to stop flashing before turning off the product.
The 💧 ink light is on	Initial ink charging may not be complete. See the <i>Start Here</i> sheet for instructions.
The 📄 paper light is on	No paper is loaded or multiple sheets fed at one time. Load paper in the product, and press the 🖨️ B&W copy button or the 🖨️ color copy button to clear the error.



Light status	Condition/solution
The  paper light is flashing	Paper is jammed in the product. Remove the jammed paper, and press the  B&W copy button or the  color copy button to clear the error.
The  power and  paper lights are flashing simultaneously	An ink pad is nearing or at the end of its service life. Contact Epson for support. If a message to continue printing appears on your computer, press the  B&W copy button or the  color copy button to continue printing.
The  power and  paper lights are flashing alternately	A borderless printing ink pad is nearing or at the end of its service life. Contact Epson for support. If a message to continue printing appears on your computer, press the  B&W copy button or the  color copy button to continue printing. Borderless printing is not available until the ink pad is replaced.
All lights are flashing	Paper or protective material is stuck inside the product. Open the front cover and remove any jammed paper or protective materials. Turn the product off and then back on again. If the error continues, contact Epson for support.
The  power light is off The  ink light is on The  paper light is on	An error has occurred during firmware updating. Try updating the firmware again. If the error continues, contact Epson for support.
The  power light is on or flashing The  ink light is on The  paper light is on	The product was not turned off correctly. Press the  B&W copy button or the  color copy button to clear the error, then perform a nozzle check and cancel any pending print jobs. Use the  power button to turn the product off.

**Note:** The ink pads in the printer collect, distribute, and contain the ink that is not used on printed pages. During the life of your product it may reach a condition where either satisfactory print quality cannot be maintained or the ink pads have reached the end of their usable life. The Epson Status Monitor, your LCD screen, or lights on the control panel will advise you when these parts need replacing. If this happens during the standard warranty of the product, the exchange of the product or replacement of the pads is covered under the standard warranty. If the product is out of warranty, the pads can be replaced by any Epson authorized service provider. The waste ink pads are not a user-replaceable part.

**Parent topic:** [Solving Problems](#)

**Related concepts**

[Print Head Nozzle Check](#)

**Related references**

[Paper Jam Problems](#)




[Where to Get Help](#)

**Related tasks**

[Loading Paper in the Sheet Feeder](#)

## Running a Product Check

Running a product check helps you determine if your product is operating properly.

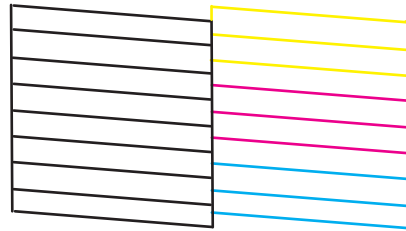
1. Press the  power button to turn the product off.
2. Load a few sheets of plain paper in the product.
3. Hold down the  stop button and press the  power button to turn the product on.
4. When the product turns on, release both buttons.

The product begins printing a nozzle check pattern.

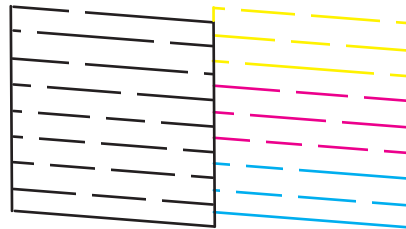
**Note:** It can take a few seconds for the nozzle check to start printing. If the nozzle check does not start printing after a few seconds, make sure there is paper loaded in the printer.

5. Check the printed pattern to see if there are gaps in the lines.

**Print head is clean**



**Print head needs cleaning**



6. Do one of the following, depending on the results of the product check:
  - If the page prints and the nozzle check pattern is complete, the product is operating properly. Any operation problem you may have could be caused by your computer, cable, software, or selected settings. Check the other solutions in this book or try uninstalling and reinstalling your printer software.
  - If the page prints but the nozzle check pattern has gaps, clean or align the print head.
  - If the page does not print, the product may have a problem. Check the other solutions in this manual. If they do not work, contact Epson.

**Parent topic:** [Solving Problems](#)

**Related concepts**

[Print Head Cleaning](#)

[Print Head Alignment](#)

[Uninstall Your Product Software](#)

## Related references

[Where to Get Help](#)

# Solving Setup Problems

Check these sections if you have problems while setting up your product.


[Noise After Filling the Ink](#)

[Software Installation Problems](#)

**Parent topic:** [Solving Problems](#)

## Noise After Filling the Ink

If you hear noises from your product after filling the ink tanks with ink, check these explanations:

- The first time you fill the tanks with ink, the product must charge its print head. Wait until charging finishes before you turn off the product, or it may charge improperly and use excess ink the next time you turn it on. Your product is finished charging the print head when the  power light stops flashing.
- If the product's print head stops moving or making noise, and the charging process has not finished after approximately 20 minutes, turn off your product. Turn it back on and check to see if charging is still in progress. If it is still in progress, contact Epson for help.

**Parent topic:** [Solving Setup Problems](#)

### Related tasks

[Refilling the Ink Tanks](#)

## Software Installation Problems

If you have problems while installing your product software, try these solutions:

- Make sure your product is turned on and any necessary cables are securely connected at both ends. If you still have problems installing software, disconnect the cable and carefully follow the instructions on the *Start Here* sheet. Also make sure your system meets the requirements for your operating system.
- Close any other programs, including screen savers and virus protection software, and install your product software again.
- In Windows, make sure your product is selected as the default printer and the correct port is shown in the printer properties.
- If you see any error message or your software does not install correctly in Windows, you may not have software installation privileges. Contact your system administrator.

**Parent topic:** [Solving Setup Problems](#)

**Related concepts**

[Uninstall Your Product Software](#)

**Related references**

[Windows System Requirements](#)

[Mac System Requirements](#)

## Solving Copying Problems

Check these solutions if you have problems copying with your product.

[Product Makes Noise, But Nothing Copies](#)

[Product Makes Noise When It Sits for a While](#)

**Parent topic:** [Solving Problems](#)

### Product Makes Noise, But Nothing Copies

If your product makes a noise, but nothing copies, try these solutions:

- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- If the nozzle check page does not print, but the product's power is on, make sure your product software is installed correctly.
- Make sure your product is level (not tilted).

**Parent topic:** [Solving Copying Problems](#)

**Related concepts**

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

### Product Makes Noise When It Sits for a While

Your product is performing routine maintenance. This is normal.

**Parent topic:** [Solving Copying Problems](#)

## Solving Paper Problems

Check these sections if you have problems using paper with your product.

[Paper Feeding Problems](#)

[Paper Jam Problems](#)

## [Paper Ejection Problems](#)

**Parent topic:** [Solving Problems](#)

### **Paper Feeding Problems**

If you have problems feeding paper, try these solutions:

- Place the product on a flat surface.
- If paper does not feed for printing, remove it. Then reload it in the middle of the rear paper feed. Slide the edge guide against the edge of the paper, making sure that the paper stack is not above the arrow mark on the edge guide.
- If multiple pages feed at once, remove the paper, fan the edges to separate the sheets, and reload it.
- If paper jams when you load only one or two sheets, try loading more sheets at a time. Do not load more than the recommended number of sheets.
- If paper jams when you print on both sides of the paper, try loading fewer sheets.
- Make sure your paper meets the specifications for your product.
- For best results, follow these guidelines:
  - Use new, smooth, high-quality paper that is not curled, creased, old, too thin, or too thick.
  - Load paper in the rear paper feed printable side up.
  - Follow any special loading instructions that came with the paper.

**Parent topic:** [Solving Paper Problems](#)

#### **Related references**

[Paper Loading Capacity](#)

[Paper Jam Problems](#)

#### **Related tasks**

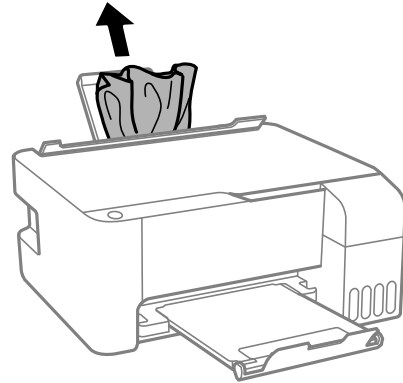
[Loading Paper in the Sheet Feeder](#)

### **Paper Jam Problems**

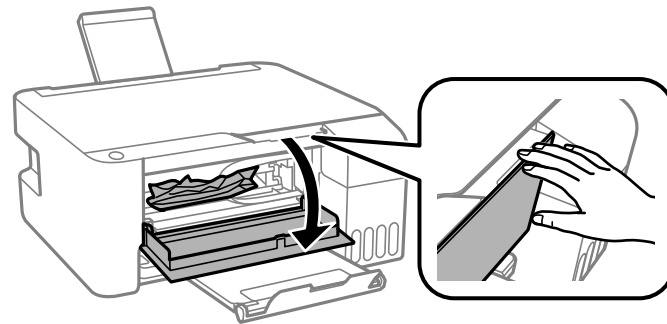
If you have problems with paper jams, try these solutions:

1. Cancel the print job from your computer, if necessary.

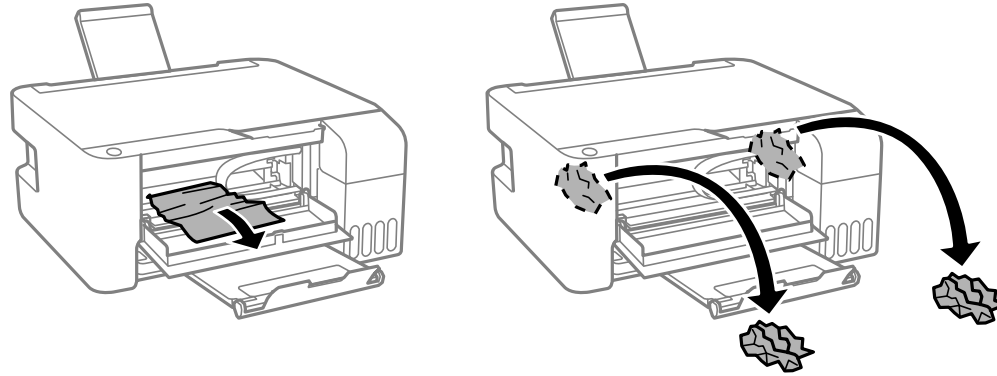
2. Gently pull out any jammed paper from the rear paper feed slot.



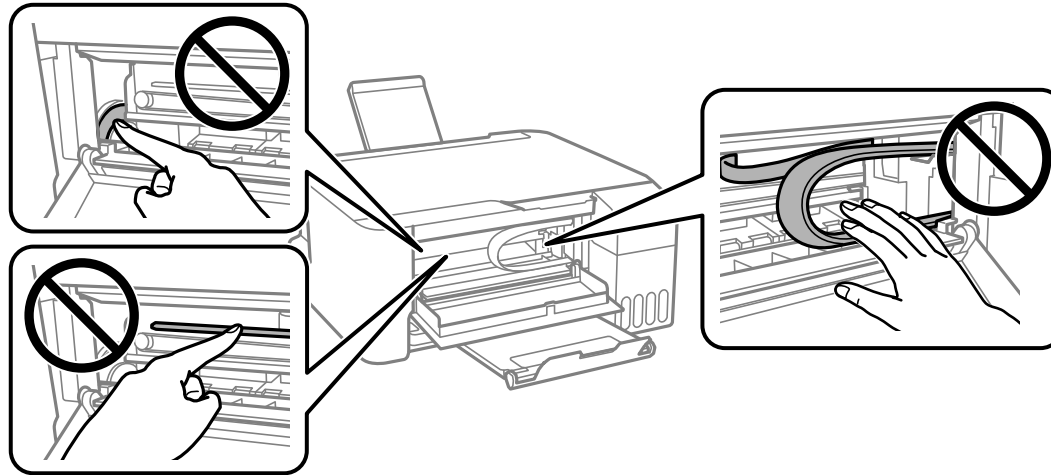
3. Open the front cover.



4. Gently remove any jammed paper.

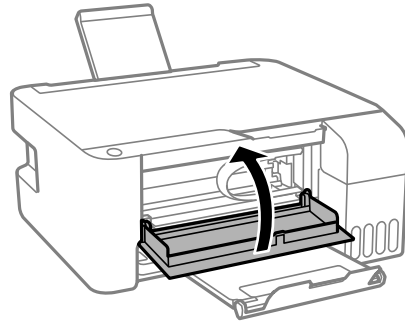


**Caution:** Do not touch the parts shown here or you may damage the product.





5. Close the front cover.



6. Carefully follow all paper loading instructions when you load new paper.

**Parent topic:** [Solving Paper Problems](#)

**Related tasks**

[Loading Paper in the Sheet Feeder](#)

[Cancelling Printing Using a Product Button](#)

## Paper Ejection Problems

If you have problems with paper ejecting properly, try these solutions:

- If paper does not eject fully, you may have set the wrong paper size. Cancel printing to eject the paper. Select the correct paper size when you reprint.
- If paper is wrinkled when it ejects, it may be damp or too thin. Load new paper and be sure to select the correct paper type setting when you reprint.

**Parent topic:** [Solving Paper Problems](#)

**Related references**

[Paper or Media Type Settings - Printing Software](#)

**Related tasks**

[Loading Paper in the Sheet Feeder](#)

[Cancelling Printing Using a Product Button](#)

## Solving Problems Printing from a Computer

Check these sections if you have problems while printing from your computer.

[Nothing Prints](#)

[Product Icon Does Not Appear in Windows Taskbar](#)

[Printing is Slow](#)

**Parent topic:** [Solving Problems](#)

### Nothing Prints

If you have sent a print job and nothing prints, try these solutions:

- Make sure your product is turned on and connected to your computer.
- Make sure any interface cables are connected securely at both ends.
- If you connected your product to a USB hub, make sure it is a first-tier hub. If it still does not print, connect your product directly to your computer instead of the hub.
- Make sure the printer status is not offline or pending.
- Run a product check to see if a test page prints. If the test page prints, check to see if your product software is installed correctly.
- Make sure your system meets the requirements for your operating system. If you are printing a high-resolution image, you may need more than the minimum requirements. Print the image at a lower resolution or if necessary, increase your system's memory.
- In Windows, make sure your product is selected as the default printer and the printer port setting matches the printer connection port.
- In Windows, delete all jobs from the Windows Spooler. Click **Print Queue** on the Maintenance tab in the printer settings window, and cancel any stalled print jobs.
- On a Mac, make sure the printer is added to the printer list and the printer is not paused.
- Make sure your product is selected as the printer in your printing program.

**Parent topic:** [Solving Problems Printing from a Computer](#)





#### Related tasks

[Running a Product Check](#)

## Product Icon Does Not Appear in Windows Taskbar

If you do not see your product icon in the Windows taskbar, first try restarting your computer. If that does not work, try this solution:

1. Do one of the following:

- **Windows 10:** Click  and select  (Settings) > **Devices > Printers & scanners**. Select your product name and select **Manage > Printing preferences**.
- **Windows 8.x:** Navigate to the **Apps** screen and select **Control Panel > Hardware and Sound > Devices and Printers**. Right-click your product name, select **Printing Preferences**, and select your product name again if necessary.
- **Windows 7:** Click  and select **Devices and Printers**. Right-click your product name, select **Printing Preferences**, and select your product name again if necessary.
- **Windows Vista:** Click , select **Control Panel**, and click **Printer** under **Hardware and Sound**. Right-click your product name, select **Printing Preferences**, and select your product name again if necessary.

2. Click the **Maintenance** tab.

3. Click the **Extended Settings** button.

4. Select **Enable EPSON Status Monitor 3** and click **OK**.

5. Click the **Monitoring Preferences** button.

6. Click the checkbox for the option that adds the shortcut icon to the taskbar.

7. Click **OK** to close the open program windows.

**Parent topic:** [Solving Problems Printing from a Computer](#)

## Printing is Slow

If printing becomes slow, try these solutions:


- Make sure your system meets the requirements for your operating system. If you are printing a high-resolution image, you may need more than the minimum requirements. If necessary, increase your system's memory.
- If you are using Windows 7, close the **Devices and Printers** window before you print.
- On a Mac, make sure you download and install the Epson printer driver.
- Make sure **Quiet Mode** is turned off.

- Clear space on your hard drive or run a defragmentation utility to free up existing space.
- Close any programs you are not using when you print.
- If your product is connected to a USB hub, connect it directly to your computer instead.
- If printing becomes slower after printing continuously for a long time, the product may have automatically slowed down to protect the print mechanism from overheating or becoming damaged. Let the product rest with the power on for 30 minutes, then try printing again.

For the fastest printing, select the following settings in your product software:

- Make sure the paper type setting matches the type of paper you loaded.
- Turn on any high speed settings in your product software.
- Select a lower print quality setting.
- **Windows:** Click the **Maintenance** or **Utility** tab, select **Extended Settings** or **Speed and Progress**, and select the following settings:
  - **Always Spool RAW Datatype**
  - **Page Rendering Mode**
  - **Print as Bitmap**
- **Windows:** Select **Printer Properties**, click the **More Options** tab, and make sure the **High Speed** setting is enabled.
- **Mac:** Select **System Preferences**, select **Printers & Scanners**, and select your product. Select **Options & Supplies**, select **Options** (or **Driver**), and enable the **High Speed Printing** setting.

If printing is still slow and you are using Windows 7 or Windows Vista, try the following:

1. Click  and select **Computer** or **My Computer**. Double-click the **C:** drive and open these folders: **ProgramData > EPSON > PRINTER**.

**Note:** If you do not see the ProgramData folder, open the **Organize** menu and select **Folder and search options**. In the window that appears, click the **View** tab, select **Show hidden files, folders, and drives** in the Advanced settings list, and click **OK**.

2. Right-click the **EPAUDF01.AUD** file and select **Delete**.
3. Restart your computer and try printing again.

**Parent topic:** [Solving Problems Printing from a Computer](#)

### **Related references**

[Windows System Requirements](#)

[Mac System Requirements](#)

[Paper or Media Type Settings - Printing Software](#)

### **Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Extended Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Selecting Printing Preferences - Mac](#)

## **Solving Page Layout and Content Problems**

Check these sections if you have problems with the layout or content of your printed pages.

[Inverted Image](#)

[Too Many Copies Print](#)

[Blank Pages Print](#)

[Incorrect Margins on Printout](#)

[Border Appears on Borderless Prints](#)

[Incorrect Characters Print](#)

[Incorrect Image Size or Position](#)

[Slanted Printout](#)

**Parent topic:** [Solving Problems](#)

### **Inverted Image**

If your printed image is inverted unexpectedly, try these solutions:

- Turn off any mirror or inversion settings in your printing application.
- Turn off the **Mirror Image**, **Flip horizontally**, or **Reverse page orientation** settings in your printer software. (This option has different names, depending on your operating system version.)

**Parent topic:** [Solving Page Layout and Content Problems](#)

### **Related tasks**

[Selecting Additional Layout and Print Options - Windows](#)

[Selecting Print Layout Options - Mac](#)

## Too Many Copies Print

Make sure that the **Copies** setting in your printing program or printer software is not set for multiple copies.

**Parent topic:** [Solving Page Layout and Content Problems](#)

## Blank Pages Print

If blank pages print unexpectedly, try these solutions:

- Make sure you selected the correct paper size settings in your printing program and printer software.
- If a blank page exists in a document you are printing and you want to skip printing it, select the **Skip Blank Page** setting in your printer software, if available.
- Run a print head nozzle check to see if any of the nozzles are clogged. Then clean the print head, if necessary.
- Make sure your product is selected as the printer in your printing program.
- You may need to refill the ink. Visually check the ink levels.

**Parent topic:** [Solving Page Layout and Content Problems](#)

### Related concepts

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

### Related references

[Paper or Media Type Settings - Printing Software](#)

### Related tasks

[Checking Ink Levels on Your Product](#)

[Selecting Basic Print Settings - Windows](#)

[Selecting Extended Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Selecting Printing Preferences - Mac](#)

## Incorrect Margins on Printout

If your printed page has incorrect margins, try these solutions:

- Make sure you selected the correct paper size settings in your printing program and printer software.
- Make sure you selected the correct margins for your paper size in your printing program.

- Make sure your paper is positioned correctly for feeding into the product.
- When placing originals on the scanner glass, align the corner of the original with the corner indicated by the arrow. If the edges of the copy are cropped, move the original slightly away from the corner.
- Clean the scanner glass and the document cover. If there is dust or stains on the glass, the copy area may extend to include the dust or stains.

You can use the preview option in your printer software to check your margins before you print.

**Parent topic:** [Solving Page Layout and Content Problems](#)

#### **Related references**

[Paper or Media Type Settings - Printing Software](#)

#### **Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

#### **Related topics**

[Loading Paper](#)

## **Border Appears on Borderless Prints**

If you see a border on borderless prints, try these solutions:

- Make sure you are printing on a compatible borderless paper type and size.
- **Windows:** Make sure you selected the **Borderless** setting in your printer software.
- **Mac:** Make sure you selected the **Borderless** checkbox or a paper size with a **Borderless** option in your printer software.
- Adjust the **Expansion** setting to adjust the amount of image expansion on the edges of borderless prints.
- Make sure the image size and the paper size are set correctly; if the image is small, the enlargement may not be enough to cover the paper.
- Access the Extended Settings (Windows) or Printing Preferences (Mac) and select **Remove White Borders**.

**Parent topic:** [Solving Page Layout and Content Problems](#)

#### **Related references**

[Paper or Media Type Settings - Printing Software](#)

[Print Options - Mac](#)

### **Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Extended Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Selecting Printing Preferences - Mac](#)

## **Incorrect Characters Print**

If incorrect characters appear in your prints, try these solutions before reprinting:

- Make sure any cables are securely connected at both ends.
- In Windows, delete all jobs from the Windows Spooler. Click **Print Queue** on the Maintenance tab in the printer settings window, and cancel any stalled print jobs.
- If your product is connected to a USB hub, connect it directly to your computer instead.
- If incorrect characters still appear in your prints, try connecting your product using a different cable.
- If your computer entered sleep mode the last time you printed, the next print job after your computer exits sleep mode may contain garbled characters. Print your document again.
- Make sure you are using the printer software for this product. Check the product name at the top of the driver window.

**Parent topic:** [Solving Page Layout and Content Problems](#)

### **Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Extended Settings - Windows](#)

## **Incorrect Image Size or Position**

If your printed image is the wrong size or in the wrong position, try these solutions:

- Make sure you selected the correct paper size and layout settings in your printing program and printer software.
- Make sure your paper is positioned correctly for feeding into the printer.
- Clean the scanner glass and document cover.
- If the edges of a copy are cropped, slightly move the original away from the edges of the scanner glass.
- Make sure you selected the correct margins for your paper size in your printing program.

You can use the preview option in your printer software to check your margins before you print.



**Parent topic:** [Solving Page Layout and Content Problems](#)

**Related references**

[Paper or Media Type Settings - Printing Software](#)

**Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Placing Originals on the Scanner Glass](#)

**Related topics**

[Loading Paper](#)

## Slanted Printout

If your printouts are slanted, try these solutions:

- Slide the edge guides against the edges of the paper.
- Select a higher print quality setting in your printer software.
- Turn off any high speed settings in your product software.
- Align the print head.
- Make sure the product is not printing while tilted or at an angle.

**Parent topic:** [Solving Page Layout and Content Problems](#)

**Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

**Related topics**

[Loading Paper](#)

## Solving Print Quality Problems

Check these sections if your printouts have problems with print quality, but your image looks fine on your computer screen.

[White or Dark Lines in Printout](#)

[Blurry or Smearred Printout](#)

[Faint Printout or Printout Has Gaps](#)

[Grainy Printout](#)

[Incorrect Colors](#)

**Parent topic:** [Solving Problems](#)

## White or Dark Lines in Printout

If you notice white or dark lines in your prints (also called banding), try these solutions before you reprint:

- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- Make sure the paper type setting matches the type of paper you loaded.
- Make sure you loaded the printable side of the paper correctly for your product.
- Turn off any high speed settings in your product software.
- Align the print head.
- Adjust the print quality in the product software.
- You may need to refill the ink. Visually check the ink levels.
- If you have not used the product for a long time, run the Power Cleaning utility.

**Note:** Power Cleaning consumes a lot of ink, so run this utility only if you cannot improve print quality by cleaning the print head.

**Parent topic:** [Solving Print Quality Problems](#)

### Related concepts

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

[Print Head Alignment](#)

[Power Cleaning](#)

### Related references

[Paper or Media Type Settings - Printing Software](#)

### Related tasks

[Checking Ink Levels on Your Product](#)

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Refilling the Ink Tanks](#)

## Related topics

[Loading Paper](#)

## Blurry or Smearred Printout

If your printouts are blurry or smearred, try these solutions:

- Make sure your paper is not damp, curled, old, or loaded incorrectly in your product.
- Use a support sheet with special paper, or load special paper one sheet at a time.
- Make sure your paper meets the specifications for your product.
- Use Epson papers to ensure proper saturation and absorption of genuine Epson inks.
- Make sure the paper type setting in your product software matches the type of paper you loaded.
- Make sure you loaded the printable side of the paper correctly for your product.
- Remove each sheet from the output tray as it is printed.
- Avoid handling printouts on glossy paper right after printing to allow the ink to set.
- Turn off any high speed settings in your product software.
- If you print on both sides of a sheet of paper, smudges may appear on the reverse side of heavily saturated or dark images. If one side of a sheet will contain a lighter image or text, print that side first. Make sure the ink has dried before reloading the paper to print on the other side. Adjust the density and/or ink drying time settings.
- The ink levels may be low and you may need to refill the ink. Visually check the ink levels.
- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- Align the print head.
- Adjust the print quality in the product software.
- Clean the paper path.
- If you printed when the ink levels were too low to be seen in the ink tank windows, refill the ink tanks to the upper lines and run the Power Cleaning utility. Then run a nozzle check to see if print quality has improved.
- If you have not used the product for a long time, run the Power Cleaning utility.

**Note:** Power Cleaning consumes a lot of ink, so run this utility only if you cannot improve print quality by cleaning the print head.

**Note:** Your product will not operate properly while tilted at an angle. Place it on a flat, stable surface that extends beyond the base of the product in all directions.

**Parent topic:** [Solving Print Quality Problems](#)

**Related concepts**

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

[Print Head Alignment](#)

[Power Cleaning](#)

**Related references**

[Paper or Media Type Settings - Printing Software](#)

[Compatible Epson Papers](#)

**Related tasks**

[Checking Ink Levels on Your Product](#)

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Cleaning the Paper Path](#)

[Refilling the Ink Tanks](#)

**Related topics**

[Loading Paper](#)

## Faint Printout or Printout Has Gaps

If your printouts are faint or have gaps, try these solutions:

- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- The ink levels may be low. Visually check the ink levels.
- Make sure the paper type setting matches the type of paper you loaded.
- Make sure your paper is not damp, curled, old, or loaded incorrectly in your product.
- Align the print head.
- Adjust the print quality in the product software.
- Clean the paper path.
- If you have not used the product for a long time, run the Power Cleaning utility.

**Note:** Power Cleaning consumes a lot of ink, so run this utility only if you cannot improve print quality by cleaning the print head.

**Parent topic:** [Solving Print Quality Problems](#)

**Related concepts**

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

[Print Head Alignment](#)

**Related references**

[Paper or Media Type Settings - Printing Software](#)

**Related tasks**

[Checking Ink Levels on Your Product](#)

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Cleaning the Paper Path](#)

[Refilling the Ink Tanks](#)

**Related topics**

[Loading Paper](#)

## Grainy Printout

If your printouts are grainy, try these solutions:

- Make sure you loaded the printable side of the paper correctly for your product.
- Select a higher print quality setting and turn off any high speed settings in your product software.
- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- Align the print head.
- Adjust the print quality in the product software.
- You may need to increase the image resolution or print a smaller size; see your software documentation.

**Note:** Images from the Internet may be low resolution and not result in a high quality printout.

- If you enlarged the image size in an image-editing program, you need to increase the image resolution setting to retain a high image quality. Increase the image resolution by the same amount you increase the image size. For example, if the image resolution is 300 dpi (dots per inch) and you will double the image size for printing, change the resolution setting to 600 dpi.

**Note:** Higher resolution settings result in larger file sizes, which take longer to process and print. Consider the limitations of your computer system when selecting a resolution, and select the lowest possible resolution that produces acceptable quality to keep file sizes manageable.

**Parent topic:** [Solving Print Quality Problems](#)

**Related concepts**

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

[Print Head Alignment](#)

**Related tasks**

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

**Related topics**

[Loading Paper](#)

## Incorrect Colors

If your printouts have incorrect colors, try these solutions:

- Make sure the paper type setting matches the paper you loaded.
- Make sure the **Black/Grayscale** or **Grayscale** setting is not selected in your printer software.
- If you selected **Standard-Vivid** (Windows) or **Normal-Vivid** (Mac) as the quality setting in the printer software, try selecting **Standard** (Windows) or **Normal** (Mac) instead.
- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- The ink levels may be low and you may need to refill the ink. Visually check the ink levels.
- After you print, the colors in your printout need time to set as the ink dries. During this time, the colors may look different than you expect. To speed up drying time, do not stack your printouts on top of each other.

- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. Try using the color management options in your printer software.
- For best results, use genuine Epson paper.
- If you have not used the product for a long time, run the Power Cleaning utility.

**Note:** Power Cleaning consumes a lot of ink, so run this utility only if you cannot improve print quality by cleaning the print head.

**Parent topic:** [Solving Print Quality Problems](#)

**Related concepts**

[Print Head Nozzle Check](#)

[Print Head Cleaning](#)

[Power Cleaning](#)

**Related references**

[Paper or Media Type Settings - Printing Software](#)

[Compatible Epson Papers](#)

**Related tasks**

[Checking Ink Levels on Your Product](#)

[Selecting Basic Print Settings - Windows](#)

[Selecting Basic Print Settings - Mac](#)

[Refilling the Ink Tanks](#)

## Solving Scanning Problems

Check these solutions if you have problems scanning with your product.

[Scanning Software Does Not Operate Correctly](#)

[Cannot Start Epson Scan 2](#)

**Parent topic:** [Solving Problems](#)

## Scanning Software Does Not Operate Correctly

If your scanning software does not operate correctly, try these solutions:

- Make sure your computer has adequate memory and meets the system requirements for your operating system.

- Make sure your computer is not running in a power-saving mode, such as sleep or standby. If so, wake your system and restart your scanning software.
- If you upgraded your operating system but did not reinstall your scanning software, try reinstalling it.
- In Windows, make sure your product is listed as a valid device in the **Scanners and Cameras** control panel.

**Parent topic:** [Solving Scanning Problems](#)

**Related concepts**

[Uninstall Your Product Software](#)

**Related references**

[Windows System Requirements](#)

[Mac System Requirements](#)

## Cannot Start Epson Scan 2

If you cannot start Epson Scan 2, try these solutions:

- Make sure your product is turned on and any interface cables are securely connected at both ends.
- Make sure Epson Scan 2 is selected as your scanning program.
- Make sure your computer is not running in a power-saving mode, such as sleep or standby. If so, wake your system and restart Epson Scan 2.
- Check the connection setting and test the connection using Epson Scan 2 Utility:

**Windows 10:** Click  and select **EPSON > Epson Scan 2 Utility**. Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset**.

**Windows 8.x:** Navigate to the **Apps** screen and select **Epson Scan 2 Utility**. Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset**.

**Windows (other versions):** Click  or **Start > All Programs** or **Programs > EPSON > Epson Scan 2 > Epson Scan 2 Utility**. Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset**.

**Mac:** Open the **Applications** folder, click **Epson Software**, and click **Epson Scan 2 Utility**. Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset**.

- Make sure you do not have multiple versions of Epson Scan 2 installed. If you do, uninstall both versions and install one version.
- If you upgraded your operating system but did not reinstall Epson Scan 2, try reinstalling it.



**Parent topic:** [Solving Scanning Problems](#)

**Related concepts**

[Uninstall Your Product Software](#)

**Related topics**

[Starting a Scan](#)

## Solving Scanned Image Quality Problems

Check these sections if a scanned image on your computer screen has a quality problem.

[Image Consists of a Few Dots Only](#)

[Line of Dots Appears in All Scanned Images](#)

[Straight Lines in an Image Appear Crooked](#)

[Image is Distorted or Blurry](#)

[Image Colors are Patchy at the Edges](#)

[Image is Too Dark](#)

[Back of Original Image Appears in Scanned Image](#)

[Ripple Patterns Appear in an Image](#)

[Scanned Image Colors Do Not Match Original Colors](#)

[Scanned Image Edges are Cropped](#)

**Parent topic:** [Solving Problems](#)

### Image Consists of a Few Dots Only

If your scanned image consists only of a few dots, try these solutions:

- Make sure you placed your original for scanning facing the correct way.
- If the **Image Type** setting is **Black & White**, adjust the **Threshold** and scan again.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

**Related references**

[Additional Scanning Settings - Main Settings Tab](#)

**Related tasks**

[Placing Originals on the Scanner Glass](#)

## Line of Dots Appears in All Scanned Images

If a line of dots appears in all your scanned images, try these solutions:

- Clean the scanner glass with a soft, dry, lint-free cloth or use a small amount of glass cleaner on the cloth, if necessary. Paper towels are not recommended.

**Caution:** Do not spray glass cleaner directly on the scanner glass.

- Make sure any interface cables are securely connected at both ends.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

### Related tasks

[Cleaning Your Product](#)

## Straight Lines in an Image Appear Crooked

If straight lines in an original appear crooked in a scanned image, make sure to place your original straight when you scan it.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

### Related tasks

[Placing Originals on the Scanner Glass](#)

## Image is Distorted or Blurry

If a scanned image appears distorted or blurry, try these solutions:

- Do not move your original or your product during scanning.
- Your product will not operate properly while tilted at an angle. Place your product on a flat, stable surface that extends beyond its base in all directions.
- Adjust these Epson Scan 2 settings (if available) and try scanning again:
  - Increase the **Resolution** setting.
  - If the **Image Type** setting is **Black & White**, adjust the **Threshold** setting.
  - If the **Image Type** setting is **Color** or **Grayscale**, select the **Unsharp Mask** setting.
  - If the **Image Type** setting is **Black & White**, select **Text Enhancement**. If the **Image Type** setting is **Color** or **Grayscale**, change the **Text Enhancement** setting to **High**.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

#### **Related references**

[Additional Scanning Settings - Main Settings Tab](#)

[Additional Scanning Settings - Advanced Settings Tab](#)

#### **Related tasks**

[Placing Originals on the Scanner Glass](#)

### **Image Colors are Patchy at the Edges**

If you are scanning a thick or warped original, cover its edges with paper to block external light as you scan it.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

### **Image is Too Dark**

If your scanned image is too dark, try these solutions:

- If the **Image Type** is set to **Color** or **Grayscale**, adjust the **Brightness** setting.
- Check the brightness and contrast settings of your computer monitor.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

#### **Related references**

[Additional Scanning Settings - Advanced Settings Tab](#)

### **Back of Original Image Appears in Scanned Image**

If an image from the back of a thin original appears in your scanned image, try these solutions:

- Place a piece of black paper on the back of the original and scan it again.
- Adjust these Epson Scan 2 settings (if available) and try scanning again:
  - Select the **Advanced Settings** tab and adjust the **Brightness** setting.
  - Select **Text Enhancement**.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

#### **Related references**

[Additional Scanning Settings - Main Settings Tab](#)

[Additional Scanning Settings - Advanced Settings Tab](#)

## Ripple Patterns Appear in an Image

You may see a ripple pattern (called a moiré) in scanned images of printed documents. This is caused by interference from differing pitches in the scanner's screen and your original's halftone screen. To reduce this effect, adjust these Epson Scan 2 settings (if available) and try scanning again:

- Select the **Descreening** setting.
- Select a lower **Resolution** setting.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

### Related references

[Additional Scanning Settings - Main Settings Tab](#)

[Additional Scanning Settings - Advanced Settings Tab](#)

## Scanned Image Colors Do Not Match Original Colors

Printed colors can never exactly match the colors on your computer monitor because printers and monitors use different color systems: monitors use RGB (red, green, and blue) and printers typically use CMYK (cyan, magenta, yellow, and black).

Check the color matching and color management capabilities of your computer, display adapter, and the software you are using to see if they are affecting the palette of colors you see on your screen.

To adjust the colors in your scanned image, adjust these Epson Scan 2 settings (if available) and try scanning again:

- If the **Image Type** setting is **Color** or **Grayscale**, adjust the **Contrast** setting.
- If the **Image Type** setting is **Black & White** or **Grayscale**, adjust the **Color Enhance** setting.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

### Related references

[Additional Scanning Settings - Main Settings Tab](#)

[Additional Scanning Settings - Advanced Settings Tab](#)

## Scanned Image Edges are Cropped

If the edges of a scanned image are cropped, make sure your original is placed correctly for scanning. If necessary, move your original away from the edges of the scanner glass slightly.

**Parent topic:** [Solving Scanned Image Quality Problems](#)

### Related tasks

[Placing Originals on the Scanner Glass](#)

## Uninstall Your Product Software

If you have a problem that requires you to uninstall and re-install your software, follow the instructions for your operating system.



[Uninstalling Product Software - Windows](#)

[Uninstalling Product Software - Mac](#)

**Parent topic:** [Solving Problems](#)

### Uninstalling Product Software - Windows

You can uninstall and then re-install your product software to solve certain problems.

1. Turn off the product.
2. Disconnect any interface cables.
3. Do one of the following:
  - **Windows 10:** Click  and select  (Settings) > **Apps** or **System** > **Apps & features**. Then select the program you want to uninstall and select **Uninstall**.
  - **Windows 8.x:** Navigate to the **Apps** screen and select **Control Panel** > **Programs** > **Programs and Features**. Select the uninstall option for your Epson product, then select **Uninstall/Change**.

**Note:** If you see a **User Account Control** window, click **Yes** or **Continue**.

Select your product again, if necessary, then select **OK**, and click **Yes** to confirm the uninstallation.

- **Windows (other versions):** Click  or **Start**, and select **All Programs** or **Programs**. Select **EPSON**, select your product, then click **EPSON Printer Software Uninstall**.

**Note:** If you see a **User Account Control** window, click **Yes** or **Continue**.

In the next window, select your product and click **OK**. Then follow any on-screen instructions.

4. Do one of the following to uninstall Epson Event Manager, then follow any on-screen instructions:
  - **Windows 10/8.x:** Select **Epson Event Manager** and click **Uninstall**.
  - **Windows 7/Windows Vista:** Open the Windows **Control Panel** utility. Select **Programs and Features**. (In Classic view, select **Programs** and click **Uninstall a program**.) Select **Epson Event Manager** and click **Uninstall/Change**.

5. Do one of the following to uninstall Epson Scan 2, then follow any on-screen instructions:
  - **Windows 10:** Select **Epson Scan 2** and click **Uninstall**.
  - **Windows 8.x/Windows 7/Windows Vista:** Select **Epson Scan 2** and click **Uninstall/Change**.
6. Restart your computer, then see the *Start Here* sheet to re-install your software.

**Note:** If you find that re-installing your product software does not solve a problem, contact Epson.

**Parent topic:** [Uninstall Your Product Software](#)

## Uninstalling Product Software - Mac

In most cases, you do not need to uninstall your product software before re-installing it. However, you can download the Uninstaller utility from the Epson support website to uninstall your product software as described here.

**Note:** If you find that re-installing your product software does not solve a problem, contact Epson.

1. To download the Uninstaller utility, visit [epson.com.jm/support](http://epson.com.jm/support) and select your product.
2. Click **Downloads**.
3. Select your operating system, click **Utilities**, locate the Uninstaller utility, and click **Download**.
4. Run the file you downloaded.
5. Double-click the **Uninstaller** icon.
6. In the Epson Uninstaller screen, select the checkbox for each software program you want to uninstall.
7. Click **Uninstall**.
8. Follow the on-screen instructions to uninstall the software.
9. Reinstall your product software.

**Note:** If you uninstall the printer driver and your product name remains in the **Print & Fax**, **Print & Scan**, or **Printers & Scanners** window, select your product name and click the – (remove) icon to remove it.

**Parent topic:** [Uninstall Your Product Software](#)

## Where to Get Help

If you need additional help with your Epson product, contact Epson.

Epson provides these technical support services:

### Internet Support

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

### Speak to a Support Representative

Before you call Epson for support, please have the following information ready:

- Product name
- Product serial number (located on a label on the product)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

Then call:

Country	Telephone
Argentina	(54 11) 5167-0300 0800-288-37766
Bolivia*	800-100-116
Brazil	State capitals and metropolitan areas: 3004-6627 Other areas: 0800-377-6627 / 0800-EPSONBR
Chile	(56 2) 2484-3400
Colombia	Bogota: (57 1) 592-2200 Other cities: 018000-915235
Costa Rica	800-377-6627
Dominican Republic*	1-888-760-0068
Ecuador*	1-800-000-044

Country	Telephone
El Salvador*	800-6570
Guatemala*	1-800-835-0358
Mexico	Mexico City: (52 55) 1323-2052 Other cities: 01-800-087-1080
Nicaragua*	00-1-800-226-0368
Panama*	00-800-052-1376
Paraguay	009-800-521-0019
Peru	Lima: (51 1) 418-0210 Other cities: 0800-10-126
Uruguay	00040-5210067
Venezuela	(58 212) 240-1111

\* Contact your local phone company to call this toll-free number from a mobile phone.

If your country does not appear in the list, contact the sales office in the nearest country. Toll or long distance charges may apply.

### **Purchase Supplies and Accessories**

You can purchase genuine Epson ink and paper from an Epson authorized reseller. To find the nearest reseller, visit [epson.com.jm](http://epson.com.jm) or call your nearest Epson sales office.

**Parent topic:** [Solving Problems](#)



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# Technical Specifications

These sections list the technical specifications for your product.

[Windows System Requirements](#)

[Mac System Requirements](#)

[Paper Specifications](#)

[Printable Area Specifications](#)

[Scanning Specifications](#)

[Ink Specifications](#)

[Dimension Specifications](#)

[Electrical Specifications](#)

[Environmental Specifications](#)

[Interface Specifications](#)

[Safety and Approvals Specifications](#)

## Windows System Requirements

To use your product and its software, your computer should use one of these Microsoft operating systems:

- Windows 10
- Windows 8.x
- Windows 7
- Windows Vista
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows Server 2008
- Windows Server 2003 R2
- Windows Server 2003
- Windows Server 2003 SP2 or later

Windows Server supports only the printer driver and Epson Scan 2; any additional included software is not supported.

**Note:** For the latest product software available for your operating system, visit the Epson support site at [epson.com/jm/support](http://epson.com/jm/support), select your product, and select **Downloads**.

**Parent topic:** [Technical Specifications](#)

## Mac System Requirements

To use your product and its software, your Mac should use one of these operating systems:

- macOS 10.13.x
- macOS 10.12.x
- OS X 10.11.x
- OS X 10.10.x
- OS X 10.9.x
- OS X 10.8.x
- OS X 10.7.x
- OS X 10.6.8

**Note:** For the latest product software available for your operating system, visit the Epson support site at [epson.com/jm/support](http://epson.com/jm/support), select your product, and select **Downloads**.

**Parent topic:** [Technical Specifications](#)

## Paper Specifications

**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 [210 × 297 mm])  
A6 (4.1 × 5.8 inches [105 × 148 mm])  
Letter (8.5 × 11 inches [216 × 279 mm])  
Legal (8.5 × 14 inches [216 × 356 mm])  
Executive (7.25 × 10.5 inches [184 × 267 mm])  
8.5 × 13 inches (216 × 330 mm)  
Mexico-Oficio (8.5 × 13.4 inches [216 × 340 mm])  
Oficio 9 (8.46 × 12.4 inches [215 × 315 mm])  
4 × 6 inches (102 × 152 mm)  
5 × 7 inches (127 × 178 mm)  
8 × 10 inches (203 × 254 mm)  
16:9 wide (4 × 7.1 inches [102 × 181 mm])  
Half Letter (5.5 × 8.5 inches [140 × 216 mm])

### Paper types

Plain paper

**Note:** Your product also supports compatible papers distributed by Epson. See the link at the end of this topic for a list of compatible Epson papers.

### Weight

Plain paper: 17 lb (64 g/m<sup>2</sup>) to 24 lb (90 g/m<sup>2</sup>)

## Envelopes

### Size

No. 10 (4.1 × 9.5 inches [105 × 241 mm])

### Paper types

Plain bond paper

### Weight

20 lb (75 g/m<sup>2</sup>) to 24 lb (90 g/m<sup>2</sup>)

**Parent topic:** [Technical Specifications](#)

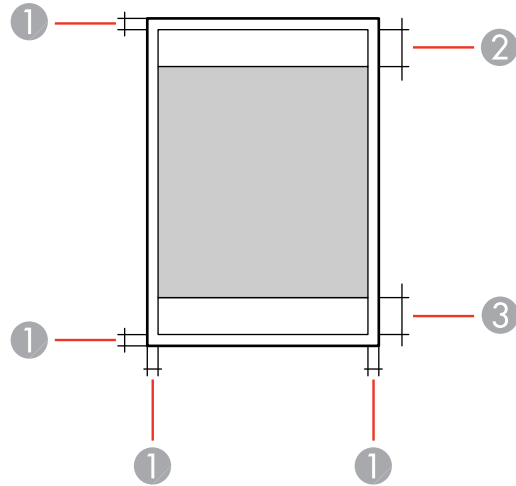
### Related references

[Compatible Epson Papers](#)

# Printable Area Specifications

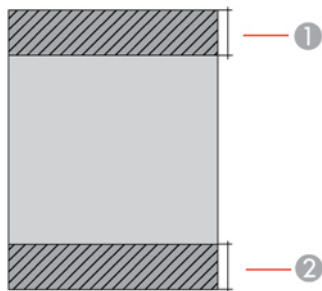
**Note:** When printing borderless, quality may decline in the expanded printable area.

## Single sheets



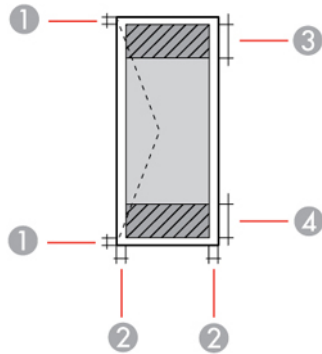
- 1 Top/bottom margins: 0.12 inch (3 mm)
- 2 Reduced print quality area/top: 1.61 inches (41 mm)
- 3 Reduced print quality area/bottom: 1.46 inches (37 mm)

## Borderless



- 1 Reduced print quality area/top: 1.73 inches (44 mm)
- 2 Reduced print quality area/bottom: 1.57 inches (40 mm)

**Envelopes**



- 1 Left/right margins: 0.12 inch (3 mm)
- 2 Top/bottom margins: 0.20 inch (5 mm)
- 3 Reduced print quality area/right: 0.70 inch (18 mm)
- 4 Reduced print quality area/left: 1.61 inches (41 mm)

Parent topic: [Technical Specifications](#)

## Scanning Specifications

<b>Scanner type</b>	Flatbed, color
<b>Photoelectric device</b>	CIS
<b>Document size</b>	Maximum: 8.5 × 11.7 inches (216 × 297 mm) Scanner glass: US letter or A4
<b>Scanning resolution</b>	600 dpi (main scan) 1200 dpi (sub scan)

<b>Image data</b>	Color: 48 bits per pixel (16 bits per pixel per color) internal 24 bits per pixel (8 bits per pixel per color) external Grayscale: 16 bits per pixel internal 8 bits per pixel external Black and white: 16 bits per pixel internal 1 bit per pixel external
<b>Light source</b>	LED

Parent topic: [Technical Specifications](#)

## Ink Specifications

**Note:** This product is designed to work with genuine Epson inks. Non-Epson ink or any other ink not specified for this printer could cause damage not covered by Epson's warranties.

The ink bottles that are used for initial product setup have a lower yield due to the ink charging process. This process is carried out the first time you turn on the printer and guarantees better performance. Yields vary considerably based on print jobs, print settings, paper type, frequency of use, and temperature. Do not load paper before refilling the ink tanks.

Check the ink levels in your product frequently, and refill the ink tanks if necessary.

<b>Color</b>	Black, Cyan, Magenta, Yellow
<b>Ink life</b>	Do not use if the date on the package has expired
<b>Temperature</b>	Storage: -4 to 104 °F (-20 to 40 °C) 1 month at 104 °F (40 °C) Ink freezes at 5 °F (-15 °C) Ink thaws and is usable after approximately 2 hours at 77 °F (25 °C)

Parent topic: [Technical Specifications](#)

**Related concepts**

[Purchase Epson Ink](#)

## Dimension Specifications

<b>Height</b>	Stored: 7.0 inches (179 mm) Printing: 10.0 inches (253 mm)
<b>Width</b>	Stored: 14.8 inches (375 mm) Printing: 14.8 inches (375 mm)
<b>Depth</b>	Stored: 13.7 inches (347 mm) Printing: 22.8 inches (578 mm)
<b>Weight</b> (without ink or power cord)	8.6 lb (3.9 kg)

Parent topic: [Technical Specifications](#)

## Electrical Specifications

<b>Power supply rating</b>	100 to 240 V
<b>Rated frequency range</b>	50/60 Hz
<b>Rated current</b>	0.4 to 0.2 A
<b>Power consumption</b> (with USB connection)	Standalone copying: Approximately 12 W (ISO/IEC24712) Ready mode: Approximately 3.9 W Sleep mode: Approximately 0.4 W Power off mode: Approximately 0.2 W

Parent topic: [Technical Specifications](#)

## Environmental Specifications

<b>Temperature</b>	Operating: 50 to 95 °F (10 to 35 °C) Storage: –4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C)
<b>Humidity</b> (without condensation)	Operating: 20 to 80% RH Storage: 5 to 85% RH

Parent topic: [Technical Specifications](#)

## Interface Specifications

<b>Interface type</b>	Hi-Speed USB (Device Class for computers)
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Parent topic: [Technical Specifications](#)

## Safety and Approvals Specifications

<b>United States</b>	Safety: UL60950-1 EMC: FCC part 15 Subpart B class B
<b>Canada</b>	Safety: CAN/CSA C22.2 No. 60950-1 EMC: CAN/CSA-CEI/IEC CISPR 22 Class B

Parent topic: [Technical Specifications](#)



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## Notices

Check these sections for important notices about your product.

[FCC Compliance Statement](#)

[Binding Arbitration and Class Waiver](#)

[Trademarks](#)

[Copyright Notice](#)

## FCC Compliance Statement

### For United States Users

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

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

### WARNING

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

### For Canadian Users

CAN ICES-3(B)/NMB-3(B)

Parent topic: [Notices](#)

# Binding Arbitration and Class Waiver

## 1. DISPUTES, BINDING INDIVIDUAL ARBITRATION, AND WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS

1.1 **Disputes.** The terms of this Section 1 shall apply to all Disputes between you and Epson. The term "Dispute" is meant to have the broadest meaning permissible under law and includes any dispute, claim, controversy or action between you and Epson arising out of or relating to this Agreement, Epson branded products (hardware and including any related software), or other transaction involving you and Epson, whether in contract, warranty, misrepresentation, fraud, tort, intentional tort, statute, regulation, ordinance, or any other legal or equitable basis. "DISPUTE" DOES NOT INCLUDE IP CLAIMS, or more specifically, a claim or cause of action for (a) trademark infringement or dilution, (b) patent infringement, (c) copyright infringement or misuse, or (d) trade secret misappropriation (an "IP Claim"). You and Epson also agree, notwithstanding Section 1.6, that a court, not an arbitrator, may decide if a claim or cause of action is for an IP Claim.

1.2 **Binding Arbitration.** You and Epson agree that all Disputes shall be resolved by binding arbitration according to this Agreement. **ARBITRATION MEANS THAT YOU WAIVE YOUR RIGHT TO A JUDGE OR JURY IN A COURT PROCEEDING AND YOUR GROUNDS FOR APPEAL ARE LIMITED.**

Pursuant to this Agreement, binding arbitration shall be administered by JAMS, a nationally recognized arbitration authority, pursuant to its code of procedures then in effect for consumer related disputes, but excluding any rules that permit joinder or class actions in arbitration (for more detail on procedure, see Section 1.6 below). You and Epson understand and agree that (a) the Federal Arbitration Act (9 U.S.C. §1, et seq.) governs the interpretation and enforcement of this Section 1, (b) this Agreement memorializes a transaction in interstate commerce, and (c) this Section 1 shall survive termination of this Agreement.

1.3 **Pre-Arbitration Steps and Notice.** Before submitting a claim for arbitration, you and Epson agree to try, for sixty (60) days, to resolve any Dispute informally. If Epson and you do not reach an agreement to resolve the Dispute within the sixty (60) days, you or Epson may commence an arbitration. Notice to Epson must be addressed to: Epson America, Inc., ATTN: Legal Department, 3840 Kilroy Airport Way, Long Beach, CA 90806 (the "Epson Address"). The Dispute Notice to you will be sent to the most recent address Epson has in its records for you. For this reason, it is important to notify us if your address changes by emailing us at [EAILEgal@ea.epson.com](mailto:EAILEgal@ea.epson.com) or writing us at the Epson Address above. Notice of the Dispute shall include the sender's name, address and contact information, the facts giving rise to the Dispute, and the relief requested (the "Dispute Notice"). Following receipt of the Dispute Notice, Epson and you agree to act in good faith to resolve the Dispute before commencing arbitration.

1.4 **Small Claims Court.** Notwithstanding the foregoing, you may bring an individual action in the small claims court of your state or municipality if the action is within that court's jurisdiction and is pending only in that court.

**1.5 WAIVER OF CLASS ACTIONS AND CLASS ARBITRATIONS. YOU AND EPSON AGREE THAT EACH PARTY MAY BRING DISPUTES AGAINST THE OTHER PARTY ONLY IN AN INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY CLASS OR REPRESENTATIVE PROCEEDING, INCLUDING WITHOUT LIMITATION FEDERAL OR STATE CLASS ACTIONS, OR CLASS ARBITRATIONS. CLASS ACTION LAWSUITS, CLASS-WIDE ARBITRATIONS, PRIVATE ATTORNEY-GENERAL ACTIONS, AND ANY OTHER PROCEEDING WHERE SOMEONE ACTS IN A REPRESENTATIVE CAPACITY ARE NOT ALLOWED. ACCORDINGLY, UNDER THE ARBITRATION PROCEDURES OUTLINED IN THIS SECTION, AN ARBITRATOR SHALL NOT COMBINE OR CONSOLIDATE MORE THAN ONE PARTY'S CLAIMS WITHOUT THE WRITTEN CONSENT OF ALL AFFECTED PARTIES TO AN ARBITRATION PROCEEDING.**

**1.6 Arbitration Procedure.** If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration on a class or representative basis (the "JAMS Rules"), available at <https://www.jamsadr.com/about/> or by calling +1-949-224-1810 (from outside the U.S.) or 1-800-352-5267 (from within the U.S.), and under the rules set forth in this Agreement. All Disputes shall be resolved by a single neutral arbitrator, and both parties shall have a reasonable opportunity to participate in the selection of the arbitrator. The arbitrator is bound by the terms of this Agreement. The arbitrator, and not any federal, state or local court or agency, shall have exclusive authority to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability or formation of this Agreement, including any claim that all or any part of this Agreement is void or voidable. Notwithstanding this broad delegation of authority to the arbitrator, a court may determine the limited question of whether a claim or cause of action is for an IP Claim, which is excluded from the definition of "Disputes" in Section 1.1 above. The arbitrator shall be empowered to grant whatever relief would be available in a court under law or in equity. The arbitrator may award you the same damages as a court could, and may award declaratory or injunctive relief only in favor of the individual party seeking relief and only to the extent necessary to provide relief warranted by that party's individual claim. In some instances, the costs of arbitration can exceed the costs of litigation and the right to discovery may be more limited in arbitration than in court. The arbitrator's award is binding and may be entered as a judgment in any court of competent jurisdiction.

You may choose to engage in arbitration hearings by telephone. Arbitration hearings not conducted by telephone shall take place in a location reasonably accessible from your primary residence, or in Orange County, California, at your option.

a) Initiation of Arbitration Proceeding. If either you or Epson decides to arbitrate a Dispute, both parties agree to the following procedure:

(i) Write a Demand for Arbitration. The demand must include a description of the Dispute and the amount of damages sought to be recovered. You can find a copy of a Demand for Arbitration at <http://www.jamsadr.com> ("Demand for Arbitration").

(ii) Send three copies of the Demand for Arbitration, plus the appropriate filing fee, to: JAMS, 500 North State College Blvd., Suite 600 Orange, CA 92868, U.S.A.

(iii) Send one copy of the Demand for Arbitration to the other party (same address as the Dispute Notice), or as otherwise agreed by the parties.

b) Hearing Format. During the arbitration, the amount of any settlement offer made shall not be disclosed to the arbitrator until after the arbitrator determines the amount, if any, to which you or Epson is entitled. The discovery or exchange of non-privileged information relevant to the Dispute may be allowed during the arbitration.

c) Arbitration Fees. Epson shall pay, or (if applicable) reimburse you for, all JAMS filings and arbitrator fees for any arbitration commenced (by you or Epson) pursuant to provisions of this Agreement.

d) Award in Your Favor. For Disputes in which you or Epson seeks \$75,000 or less in damages exclusive of attorney's fees and costs, if the arbitrator's decision results in an award to you in an amount greater than Epson's last written offer, if any, to settle the Dispute, Epson will: (i) pay you \$1,000 or the amount of the award, whichever is greater; (ii) pay you twice the amount of your reasonable attorney's fees, if any; and (iii) reimburse you for any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing the Dispute in arbitration. Except as agreed upon by you and Epson in writing, the arbitrator shall determine the amount of fees, costs, and expenses to be paid by Epson pursuant to this Section 1.6d).

e) Attorney's Fees. Epson will not seek its attorney's fees and expenses for any arbitration commenced involving a Dispute under this Agreement. Your right to attorney's fees and expenses under Section 1.6d) above does not limit your rights to attorney's fees and expenses under applicable law; notwithstanding the foregoing, the arbitrator may not award duplicative awards of attorney's fees and expenses.

**1.7 Opt-out. You may elect to opt-out (exclude yourself) from the final, binding, individual arbitration procedure and waiver of class and representative proceedings specified in this Agreement by sending a written letter to the Epson Address within thirty (30) days of your assent to this Agreement (including without limitation the purchase, download, installation of the Software or other applicable use of Epson Hardware, products and services) that specifies (i) your name, (ii) your mailing address, and (iii) your request to be excluded from the final, binding individual arbitration procedure and waiver of class and representative proceedings specified in this Section 1. In the event that you opt-out consistent with the procedure set forth above, all other terms shall continue to apply, including the requirement to provide notice prior to litigation.**

**1.8 Amendments to Section 1.** Notwithstanding any provision in this Agreement to the contrary, you and Epson agree that if Epson makes any future amendments to the dispute resolution procedure and class action waiver provisions (other than a change to Epson's address) in this Agreement, Epson will obtain your affirmative assent to the applicable amendment. If you do not affirmatively assent to the applicable amendment, you are agreeing that you will arbitrate any Dispute between the parties in accordance with the language of this Section 1 (or resolve disputes as provided for in Section 1.7, if you timely elected to opt-out when you first assented to this Agreement).

**1.9 Severability.** If any provision in this Section 1 is found to be unenforceable, that provision shall be severed with the remainder of this Agreement remaining in full force and effect. **The foregoing shall not apply to the prohibition against class or representative actions as provided in Section 1.5. This means that if Section 1.5 is found to be unenforceable, the entire Section 1 (but only Section 1) shall be null and void.**

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