

WF-110 Series User's Guide

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About This Manual

Introduction to the Manuals

The latest versions of the following manuals are available from the Epson support website.

<http://www.epson.eu/Support> (Europe)

<http://support.epson.net/> (outside Europe)

❑ Start Here (paper manual)

Provides you with information on setting up the printer, installing the software, using the printer, solving problems, and so on.

❑ User's Guide (PDF manual)

This manual. Provides overall information and instructions on using the printer, on network settings when using the printer on a network, and on solving problems.

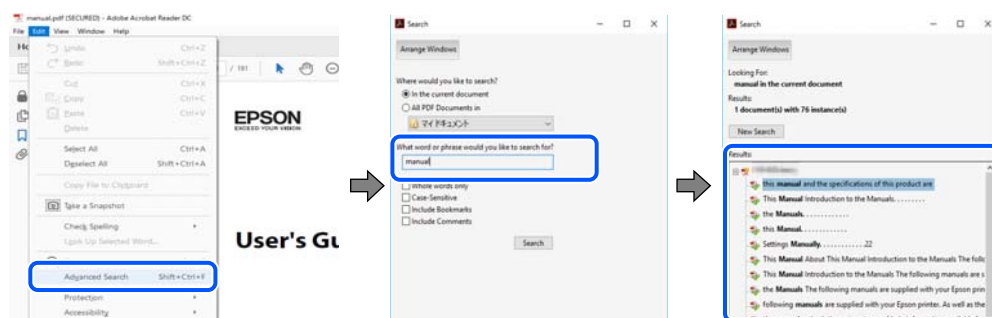
As well as the manuals above, see the help included in the various Epson software applications.

Using the Manual to Search for Information

The PDF manual allows you to search for information you are looking for by keyword, or jump directly to specific sections using the bookmarks. You can also print only the pages you need. This section explains how to use a PDF manual that has been opened in Adobe Reader X on your computer.

Searching by keyword

Click **Edit > Advanced Search**. Enter the keyword (text) for information you want to find in the search window, and then click **Search**. Hits are displayed as a list. Click one of the displayed hits to jump to that page.



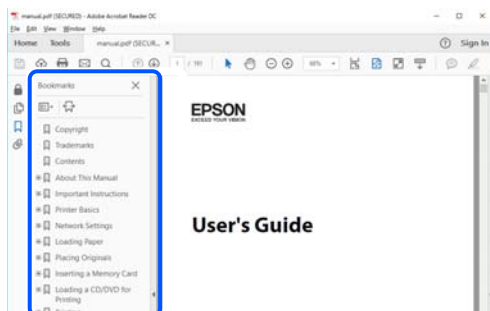
Jumping directly from bookmarks

Click a title to jump to that page. Click + or > to view the lower level titles in that section. To return to the previous page, perform the following operation on your keyboard.

❑ Windows: Hold down **Alt**, and then press **←**.

About This Manual

- ❑ Mac OS: Hold down the command key, and then press ←.



Printing only the pages you need

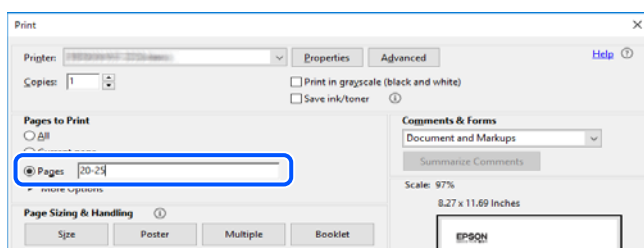
You can extract and print only the pages you need. Click **Print** in the **File** menu, and then specify the pages you want to print in **Pages** in **Pages to Print**.

- ❑ To specify a series of pages, enter a hyphen between the start page and the end page.

Example: 20-25

- ❑ To specify pages that are not in series, divide the pages with commas.

Example: 5, 10, 15



Marks and Symbols



Caution:

Instructions that must be followed carefully to avoid bodily injury.



Important:

Instructions that must be observed to avoid damage to your equipment.

Note:

Provides complementary and reference information.

Related Information

- ➔ Links to related sections.

Descriptions Used in this Manual

- Screenshots of the printer driver screens are from Windows 10 or macOS High Sierra. The content displayed on the screens varies depending on the model and situation.
- Illustrations used in this manual are examples only. Although there may be slight differences depending on the model, the method of operation is the same.
- Some of the menu items on the LCD screen vary depending on the model and settings.
- You can read the QR code using dedicated app.

Operating System References

Windows

In this manual, terms such as "Windows 10", "Windows 8.1", "Windows 8", "Windows 7", "Windows Vista", "Windows XP", "Windows Server 2019", "Windows Server 2016", "Windows Server 2012 R2", "Windows Server 2012", "Windows Server 2008 R2", "Windows Server 2008", "Windows Server 2003 R2", and "Windows Server 2003" refer to the following operating systems. Additionally, "Windows" is used to refer to all versions.

- Microsoft® Windows® 10 operating system
- Microsoft® Windows® 8.1 operating system
- Microsoft® Windows® 8 operating system
- Microsoft® Windows® 7 operating system
- Microsoft® Windows Vista® operating system
- Microsoft® Windows® XP operating system
- Microsoft® Windows® XP Professional x64 Edition operating system
- Microsoft® Windows Server® 2019 operating system
- Microsoft® Windows Server® 2016 operating system
- Microsoft® Windows Server® 2012 R2 operating system
- Microsoft® Windows Server® 2012 operating system
- Microsoft® Windows Server® 2008 R2 operating system
- Microsoft® Windows Server® 2008 operating system
- Microsoft® Windows Server® 2003 R2 operating system
- Microsoft® Windows Server® 2003 operating system

Mac OS

In this manual, "Mac OS" is used to refer to macOS Mojave, macOS High Sierra, macOS Sierra, OS X El Capitan, OS X Yosemite, OS X Mavericks, OS X Mountain Lion, Mac OS X v10.7.x, and Mac OS X v10.6.8.

Important Instructions

Safety Instructions

Read and follow these instructions to ensure safe use of this printer. Make sure you keep this manual for future reference. Also, be sure to follow all warnings and instructions marked on the printer.

- ❑ Some of the symbols used on your printer are to ensure safety and proper use of the printer. Visit the following Web site to learn the meaning of the symbols.
<http://support.epson.net/symbols>
- ❑ Use only the power cord supplied with the printer and do not use the cord with any other equipment. Use of other cords with this printer or the use of the supplied power cord with other equipment may result in fire or electric shock.
- ❑ Use only the type of power source indicated on the AC adapter's label, and always supply power directly from a standard domestic electrical outlet with the AC power cord that meets the relevant local safety standards.
- ❑ Never disassemble, modify, or attempt to repair the AC adapter, power cord, printer, and options by yourself except as specifically explained in the printer's guides. Doing so may result in injury, electric shock, or fire.
- ❑ Unplug the printer and the AC adapter, and refer servicing to qualified service personnel under the following conditions:
The power cord or plug is damaged; liquid has entered the printer or the AC adapter; the printer or the AC adapter has been dropped or the casing damaged; the printer or the AC adapter does not operate normally or exhibits a distinct change in performance. Do not adjust controls that are not covered by the operating instructions.
- ❑ Place the AC adapter near a wall outlet where the plug can be easily unplugged.
- ❑ Do not place or store the printer and the AC adapter outdoors, near excessive dirt or dust, water, heat sources, or in locations subject to shocks, vibrations, high temperature or humidity.
- ❑ Do not leave the printer in direct sunlight, near heaters, inside cars or other locations that are subject to high temperatures. The printer may be deformed or ink may leak.
- ❑ Take care not to spill liquid on the printer and the AC adapter, and not to handle the printer and the AC adapter with wet hands.
- ❑ The AC adapter model A461H is designed for use with the printer with which it was included. Do not attempt to use it with other electronic devices unless specified.
- ❑ Keep the printer at least 22 cm away from cardiac pacemakers. Radio waves from this printer may adversely affect the operation of cardiac pacemakers.
- ❑ If the LCD screen is damaged, contact your dealer. If the liquid crystal solution gets on your hands, wash them thoroughly with soap and water. If the liquid crystal solution gets into your eyes, flush them immediately with water. If discomfort or vision problems remain after a thorough flushing, see a doctor immediately.
- ❑ If you use the printer in places where the use of electronic devices is limited, such as in airplanes or hospitals, follow all instructions in those places.
- ❑ Be careful when you handle used ink cartridges, as there may be some ink around the ink supply port.
 - ❑ If ink gets on your skin, wash the area thoroughly with soap and water.
 - ❑ If ink gets into your eyes, flush them immediately with water. If discomfort or vision problems continue after a thorough flushing, see a doctor immediately.
 - ❑ If ink gets into your mouth, see a doctor right away.

Important Instructions

- ❑ Do not disassemble the ink cartridge and the maintenance box; otherwise ink may get into your eyes or on your skin.
- ❑ Do not shake ink cartridges too vigorously and do not drop them. Also, be careful not to squeeze them or tear their labels. Doing so may cause ink leakage.
- ❑ Keep ink cartridges and maintenance box out of the reach of children.

Safety Instructions for the Battery

The external battery described below is an optional battery.

- ❑ Use an Epson Li-ion battery model C12C934941 for this printer according to the directions in the user documentation. Do not use the battery with non-rechargeable batteries (primary cell batteries) or with rechargeable batteries (secondary cell batteries) of different capacities or types. Use of batteries not designed for this printer can cause excessive discharging during use, and an excessive current to flow during charging. As a result, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not place the printer or external battery in a microwave oven or a high-pressure container. Otherwise, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not drop or throw the printer, external battery, or subject it to strong shocks. Otherwise, the battery could leak or the protection circuit in the battery could be damaged. As a result, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not use or leave the printer or external battery in a hot location such as near a fire or a heater. No more than 80 °C for the printer and no more than 50 °C for the external battery. Otherwise, the plastic separator could melt and the individual cells could short-circuit. As a result, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not leave the printer or external battery in a vehicle. Otherwise, the battery could overheat.
- ❑ Do not expose the printer or external battery to high humidity.
- ❑ Do not handle the battery with wet hands or use it in locations near water. If the battery gets wet or is immersed in water, an excessive current will flow during charging. As a result, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not incinerate or heat the printer or external battery. Otherwise, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not allow the external battery to come into contact with metals objects, such as coins and keys. Do not carry or store the external battery with metal objects. Otherwise, the external battery could short-circuit. As a result, the external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not touch the external battery terminals.
- ❑ If overheating, discoloration, or deformation occur, remove the external battery from the printer and do not use it.
- ❑ Do not connect the external battery to an electrical outlet or to an automobile cigarette lighter receptacle. High voltage to the external battery will cause an excessive current to flow. As a result, the external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not short-circuit the external battery.
- ❑ Do not remove the outside case of the external battery to protect against short circuits.
- ❑ Do not puncture, strike, or step on the external battery. If the external battery is broken or deformed, it could short-circuit. As a result, the external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not insert objects into any openings as they may touch dangerous voltage points or short-circuit components.

Important Instructions

- ❑ Do not solder any item directly to the external battery. Otherwise, the insulator could melt, or the gas vent or the safety function could be damaged. As a result, the external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ If a external battery is swallowed, seek medical treatment immediately.
- ❑ Do not disassemble or modify the external battery. To prevent accidents, the external battery is equipped with a safety function and protection circuit. If the safety function or protection circuit is damaged, the external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not use the printer or external battery if it is leaking or damaged in any way. Otherwise, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ If liquid leaks from the printer or external battery (or if the printer or external battery gives off a bad odor), immediately move the printer or external battery away from any flammable objects. Otherwise, electrolytes that leak from the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ If external battery acid gets in your eyes, immediately rinse your eyes thoroughly with fresh water without rubbing them. And then, see a doctor immediately. Otherwise, permanent eye damage could result.
- ❑ If external battery acid gets on your skin, immediately rinse the affected area thoroughly with water. And then, see a doctor immediately.
- ❑ Use only AC adapter model A461H to charge the battery and operate the printer.
- ❑ Do not charge or use the printer or external battery with devices other than the specified product. Otherwise, the performance and life of the battery could decrease. In addition, the battery or device could be damaged and cause an abnormal current to flow. As a result, the battery could become hot, emit smoke, rupture, catch fire, or explode.
- ❑ Use the specified charger and observe the charging requirements. Otherwise, the printer or external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not charge the printer or external battery near an open flame or in very hot locations. If the protection circuit in the battery is activated, you will not be able to charge the battery. If the protection circuit is damaged, the battery could become hot, emit smoke, rupture, or catch fire.
- ❑ If the printer or external battery is not fully charged within the specified time, stop charging. Otherwise, the printer or external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ The external battery has polarity. Do not forcefully connect the external battery to the charger or product even if the external battery cannot be connected easily. Be sure to confirm the polarity of the external battery when connecting it. Do not reverse the polarity of the external battery connections (terminals). If the external battery is connected incorrectly during charging, the external battery will be reverse-charged and an abnormal chemical reaction could occur in the external battery. As a result, the external battery could become hot, emit smoke, rupture, or catch fire.
- ❑ Do not reverse the polarity of the external battery connections (terminals). If the external battery is connected incorrectly during charging, the external battery will be reverse-charged and an abnormal chemical reaction could occur in the external battery. If the external battery is connected incorrectly during discharging, an excessive current could flow. As a result, the external battery could become hot, emit smoke, rupture, or catch fire.

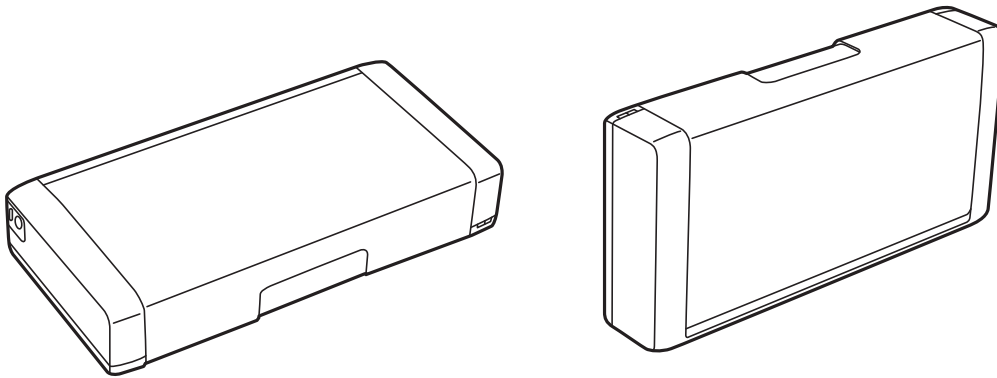
Printer Advisories and Warnings



Read and follow these instructions to avoid damaging the printer or your property. Make sure you keep this manual for future reference.

Important Instructions

Advisories and Warnings for Setting Up/Using the Printer

- ❑ Do not block or cover the vents and openings in the printer.
- ❑ Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- ❑ Avoid electrical outlets controlled by wall switches or automatic timers.
- ❑ Keep the entire computer system away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.
- ❑ The power-supply cords should be placed to avoid abrasions, cuts, fraying, crimping, and kinking. Do not place objects on top of the power-supply cords and do not allow the AC adapter or power-supply cords to be stepped on or run over. Be particularly careful to keep all the power-supply cords straight at the ends and the points where they enter and leave the AC adapter.
- ❑ If you use an extension cord with the printer, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure that the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- ❑ If you plan to use the AC adapter in Germany, the building installation must be protected by a 10 or 16 amp circuit breaker to provide adequate short-circuit protection and over-current protection for the printer.
- ❑ When connecting the printer to a computer or other device with a cable, ensure the correct orientation of the connectors. Each connector has only one correct orientation. Inserting a connector in the wrong orientation may damage both devices connected by the cable.
- ❑ Place the printer on a flat, stable surface that extends beyond the base of the printer in all directions. The printer will not operate properly if it is tilted at an angle.
- ❑ When storing or transporting the printer, place the printer as shown in the illustration.



- ❑ Leave enough space in front of the printer for the paper to be fully ejected.
- ❑ Avoid places subject to rapid changes in temperature and humidity. Also, keep the printer and the AC adapter away from direct sunlight, strong light, water, or heat sources.
- ❑ Do not insert objects through the slots in the printer.
- ❑ Do not put your hand inside the printer during printing.
- ❑ Do not touch the white flat cable inside the printer.
- ❑ Do not use aerosol products that contain flammable gases inside or around the printer. Doing so may cause fire.
- ❑ Do not move the print head by hand; otherwise, you may damage the printer.
- ❑ Always turn the printer off using the  button. Do not unplug the printer or turn off the power at the outlet until the  light stops flashing.

Important Instructions

- ❑ Before transporting the printer, make sure that the print head is in the home (far right) position and the ink cartridges are in place.
- ❑ If you are not going to use the printer for a long period, be sure to unplug the power cord from the electrical outlet.

Advisories and Warnings for Using the Printer with a Wireless Connection

- ❑ Radio waves from this printer may negatively affect the operation of medical electronic equipment, causing them to malfunction. When using this printer inside medical facilities or near medical equipment, follow directions from the authorized personnel representing the medical facilities, and follow all posted warnings and directions on the medical equipment.
- ❑ Radio waves from this printer may negatively affect the operation of automatically controlled devices such as automatic doors or fire alarms, and could lead to accidents due to malfunction. When using this printer near automatically controlled devices, follow all posted warnings and directions on these devices.
- ❑ Follow the instructions given by airline crews to use this printer in flight. Turn off the printer during takeoff and landing according to the in-flight announcement.

Advisories and Warnings for Using the LCD Screen

- ❑ The LCD screen may contain a few small bright or dark spots, and because of its features it may have an uneven brightness. These are normal and do not indicate that it is damaged in any way.
- ❑ Only use a dry, soft cloth for cleaning. Do not use liquid or chemical cleaners.
- ❑ The exterior cover of the LCD screen could break if it receives a heavy impact. Contact your dealer if the screen's surface chips or cracks, and do not touch or attempt to remove the broken pieces.

Disposing of European Printer Models

There is a battery in the printer.

The crossed out wheeled bin label that can be found on your product indicates that this product and incorporated batteries should not be disposed of via the normal household waste stream. To prevent possible harm to the environment or human health please separate this product and its batteries from other waste streams to ensure that it can be recycled in an environmentally sound manner. For more details on available collection facilities please contact your local government office or the retailer where you purchased this product. Use of the chemical symbols Pb, Cd or Hg indicates if these metals are used in the battery.

This information only applies to customers in the European Union, according to Directive 2006/66/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 6 September 2006 on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC and legislation transposing and implementing it into the various national legal systems, and to customers in countries in Europe, Middle East and Africa (EMEA) where they have implemented equivalent regulations.

For other countries, please contact your local government to investigate the possibility of recycling your product.



Protecting Your Personal Information

When you give the printer to someone else or dispose of it, erase all the personal information stored in the printer's memory by selecting **Menu > Restore Default Settings > All Settings** on the control panel.

Tips for Smart Use

Tips: Printing Using the Epson Basic Driver (Windows)

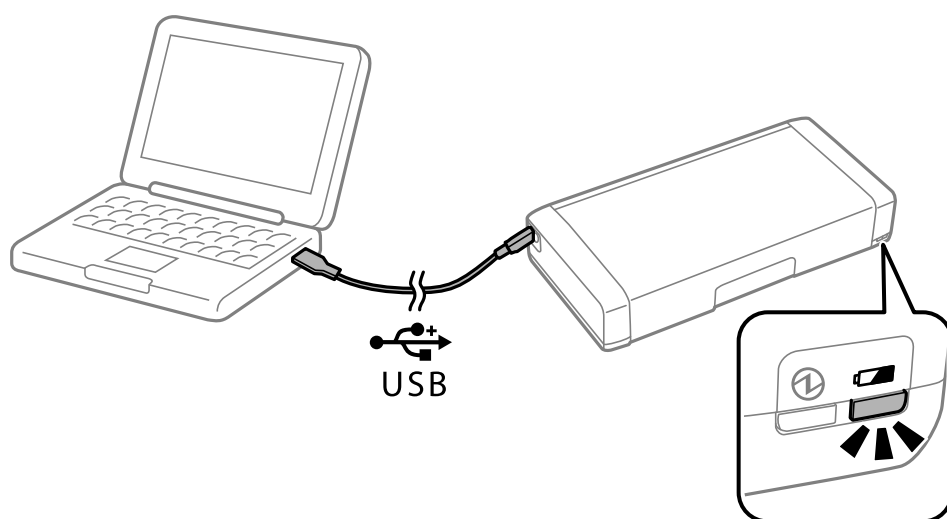
The Epson basic driver allows you to print easily whether you are in the office or on the road. Even if you have not installed this printer's driver on your PC, or you have no internet access to download it, you can install the basic driver from the printer itself. All you need to do is connect the printer and your computer via the micro USB cable.

Related Information

➔ [“Using the Epson Basic Driver \(for Windows Only\)” on page 59](#)

Tips: Charging the Built-in Battery

You can use the printer connecting AC adapter, but the printer also operates with a built-in battery. You can charge the battery by connecting AC adapter to the printer, or using the micro USB cable.



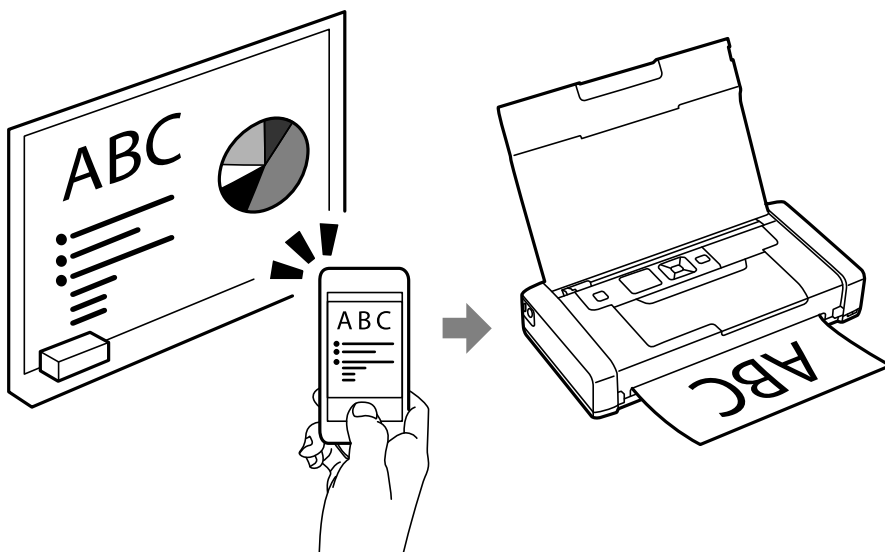
Related Information

➔ [“Charging the Built-in Battery” on page 83](#)

Tips: Printing from Your Smartphone or Tablet

Epson iPrint is an application that allows you to print photos, documents, and Web pages from a smart device such as a smartphone or tablet. A feature of Epson iPrint 'Camera Capture' allows you to capture a document or text image using the camera on your smart device, and print while correcting the distortion and keystone in the image. See the following website for details.

<http://ipr.to>

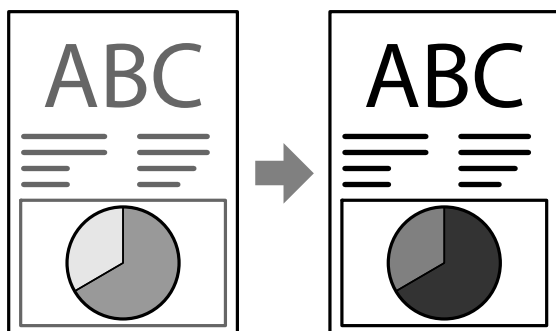


Related Information

➔ [“Printing from Smart Devices” on page 79](#)

Tips: Adjusting Density or Color

You can adjust the density and color on the printer's control panel.



Related Information

➔ [“Menu” on page 23](#)

Tips: Considering the Environment

- When you use the printer in places where the use of electronic devices are limited such as hospitals, please set the disable Wi-Fi setting on the control panel.

Tips for Smart Use

- ❑ In quiet places such as libraries and open plan offices, please enable quiet mode. By slowing down the printer operation, the printer lowers the operations sounds.

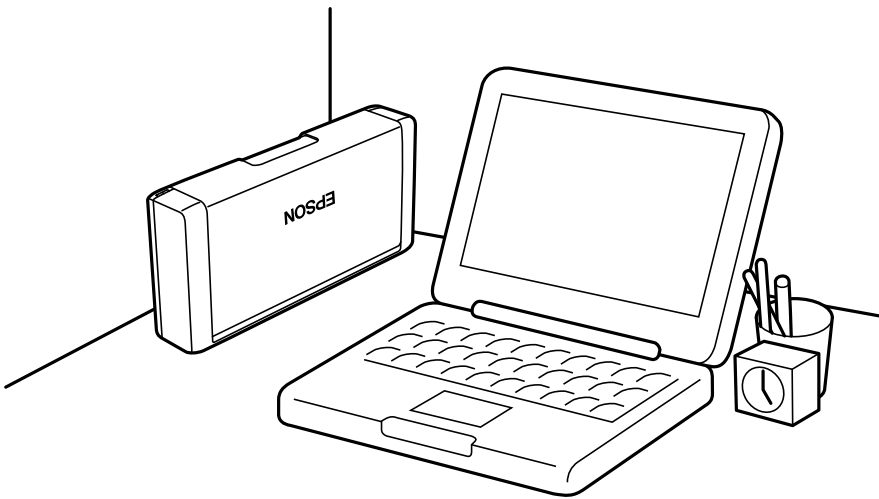


Related Information

➔ [“Menu” on page 23](#)

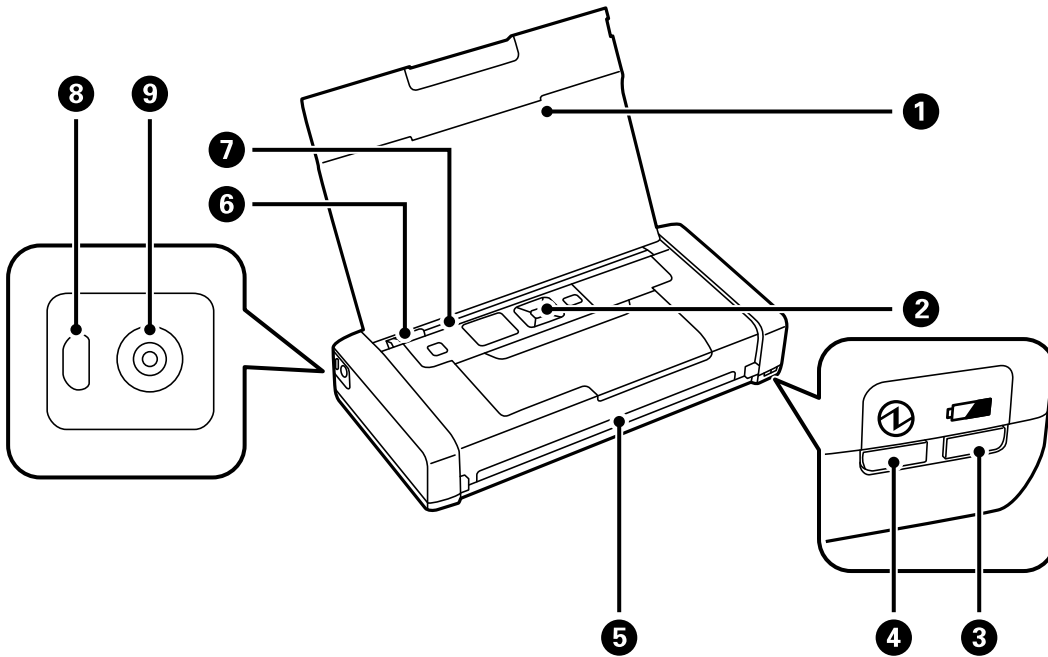
Tips: Storing the Printer

When the printer is not in use, you can place it with the silver clip face up. Keep the printer away from direct sunlight and place it in a cool dry place.



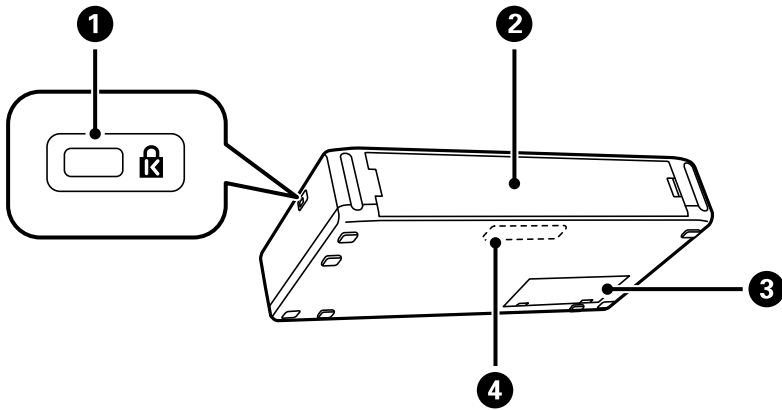
Printer Basics

Part Names and Functions

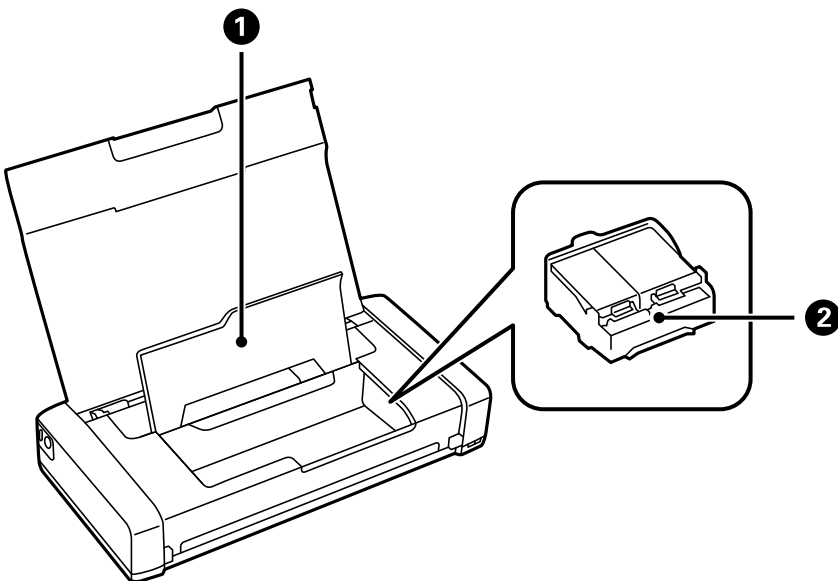


1	Printer cover	Supports loaded paper. Keep this cover closed while the printer is not in use to prevent foreign substances from entering the printer.
2	Control panel	Operates the printer.
3	Battery charging light	Turns on when the battery is charging, and turns off when the battery is charged. Flashes when the printer cannot charge the battery because the temperature is too low (less than 5 °C) or too high (higher than 40 °C). Charge the battery within a range of 10 to 35°C (50 to 95°F).
4	Power light	Turns on when the power is on. Flashes when the printer is operating or an error occurs.
5	Output slot	Ejects the printed paper.
6	Edge guide	Feeds the paper straight into the printer. Slide to the edge of the paper.
7	Rear paper feed	Loads paper.
8	Micro USB port	Connects a micro USB cable.
9	DC inlet	Connects the AC adapter.

Printer Basics



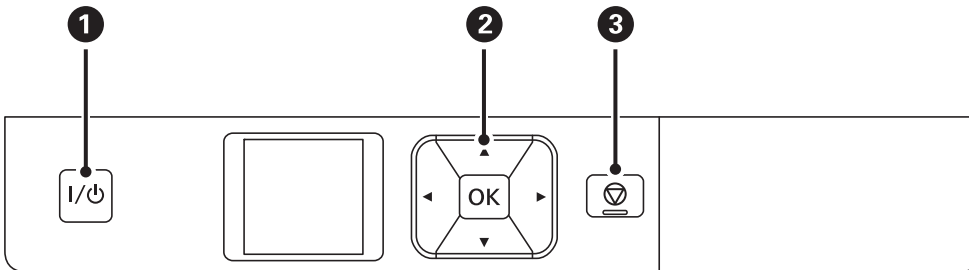
1	Security lock slot	Insert a security lock for theft prevention.
2	Rear cover	Remove when installing the optional external battery.
3	Maintenance box cover	Open when replacing the maintenance box.
4	Built-in battery	Allows you to operate the printer without connecting the AC adapter. This part must not be replaced by the user.



1	Inner cover	Open when replacing ink cartridges or removing jammed paper inside the printer.
2	Ink cartridge holder	Install the ink cartridges. Ink is ejected from the print head nozzles underneath.

Control Panel

Buttons



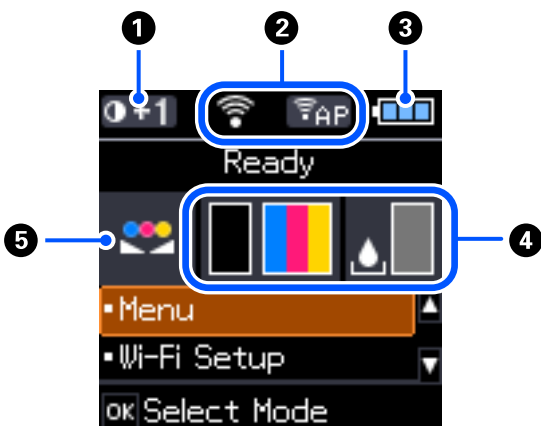
1	I/⏻	Turns the printer on or off. Unplug the power cord when the power light is off.
2	◀, ▲, ▶, ▼, OK	Press ◀, ▲, ▶, and ▼ to select menus. Press OK button to confirm your selection or run the selected feature.
3	⏻	Cancels the current operation or returns to the previous screen.

Related Information

➔ [“Guide to the LCD Screen” on page 21](#)















Guide to the LCD Screen

The home screen is displayed when the printer is turned on. Status icons and the amount of ink remaining in the ink cartridges are displayed on the home screen.



1	0+1	Displays the print density that is selected in Plain Paper Density Setting .
---	-----	---

Printer Basics

<p>②</p>	Icons that show the network status are displayed.	
	<p>Indicates that there is no wireless (Wi-Fi) network available, or that the printer is connecting to a Wi-Fi network.</p>	
	<p>Indicates that a problem has occurred with the printer's wireless (Wi-Fi) network connection, or that the printer is searching for a Wi-Fi network connection.</p>	
	<p>Indicates that the printer is connected to a wireless (Wi-Fi) network. The more bars there are, the stronger the connection.</p>	
	<p>Indicates that Wi-Fi Direct mode is not available, or that the printer is connecting to Wi-Fi Direct mode.</p>	
	<p>Indicates that the printer is connected with Simple AP mode.</p>	
<p>③</p>	Icons that show the battery status are displayed.	
	<p>Displays the amount of built-in battery remaining.</p>	
	<p>Indicates that the built-in battery is running low.</p>	
	<p>Indicates that the built-in battery is too hot or too cold. Select Menu > Battery to check the status.</p>	
	<p>Indicates that the built-in battery is charging. When charging is complete, the icon changes to the icon that indicates the amount of built-in battery remaining.</p>	
<p>④</p>	Displays the approximate levels for the ink cartridges and the maintenance box.	
	<p>Displays the approximate levels of the ink cartridges.</p>	
	<p>Displays the approximate service life of the maintenance box.</p>	
	<p>Turns on when the ink cartridges are low or the maintenance box is nearly full.</p>	
	<p>Turns on when ink cartridges are expended.</p>	
<p>⑤</p>		<p>Indicates that the color has been adjusted using Color Adjustment function.</p>

Entering Characters

To enter characters and symbols for network settings from the control panel, use the ▲, ▼, ◀, and ▶ buttons and the software keyboard on the LCD screen. Press the ▲, ▼, ◀, or ▶ button to select a character or function button

Printer Basics

on the keyboard, and then press the OK button. When you have finished entering characters, select **OK**, and then press the OK button.



Function button	Descriptions
	Moves the cursor to the left or right.
A 1 #	Switches the character type. You can enter alphanumerics or symbols.
	Enters a space.
	Deletes a character to the left (backspace).
OK	Enters the selected characters.

Menu Options

Menu

Menu	Settings and Explanations		
Battery	Check the status and amount of battery remaining. Press the buttons to change the display between the built-in battery and the optional external battery. Press the button to make settings for charging the battery.		
	Battery Settings	USB Power Supply via PC	Connect the printer to the computer using a micro USB cable so that you can charge the built-in battery from the computer when the printer is turned off or printer is in the sleep mode.
Maintenance	Ink Cartridge Replacement	Replaces the ink cartridge.	
	Nozzle Check	Prints a pattern to check if the print head nozzles are clogged.	
	Head Cleaning	Cleans clogged nozzles in the print head.	
	Head Alignment	Adjusts the print head to improve print quality.	
	Paper Guide Cleaning	Use this feature to feed paper for cleaning when there are ink stains on the internal rollers or a paper feed problem has occurred.	

Printer Basics

Menu	Settings and Explanations		
Plain Paper Density Setting	Increases the print density when the paper type is set to plain paper and the quality is set to standard. However, the print speed may be slower.		
Color Adjustment	<p>Make fine color adjustments when printing. Select +1 to make the colors darker, and select -1 to make the colors lighter.</p> <p>This setting is reset when the ink cartridge is removed.</p>		
Printer Setup	Paper Source Settings	Paper Setup	Select the paper size and paper type you loaded in the rear paper feed.
		Paper Setting Alert	Displays an error message when the paper size or type settings in Paper Setup and the print settings do not match.
		Paper Configuration	Automatically displays the paper settings screen when paper is loaded. AirPrint is not available when disabled.
	Power Off Timer	External Power	You can adjust the time before power management is applied. Any increase will affect the product's energy efficiency. Please consider the environment before making any change.
		Battery Power	
	Quiet Mode	Reduce noise during printing. However, the print speed may be slower.	
	Language	Select the display language.	
	Keyboard	Change the layout of the keyboard on the LCD screen.	
	Sleep Timer	<p>Select the time period before the printer enters sleep mode (energy saving mode) when no operations are performed.</p> <p>The LCD screen turns black when the set time passes.</p>	
	Others	Printer Swapping	If the printer driver for this printer is already installed on the computer, this setting prevents it from being installed again even if another printer with the same product name is connected using a USB cable. This setting is enabled the next time you restart the printer.
Network Settings	Print Status Sheet	Prints the network settings and connection status.	
	Wi-Fi Setup	Displays the same items as when you select Wi-Fi Setup on the home screen. See the description of Wi-Fi Setup.	
	Connection Check	Checks the status of the network connection and prints the network connection check report. If there are any problems with the connection, see the check report to solve the problem.	

Printer Basics

Menu	Settings and Explanations
Epson Connect Services	You can suspend or resume the Epson Connect or Google Cloud Print service, or cancel using the services (restore the default settings). See the Epson Connect portal website for more details. https://www.epsonconnect.com/ http://www.epsonconnect.eu (Europe only)
Google Cloud Print Services	
WF-110 Basic Driver	Installs the Epson Basic Driver that is embedded in the printer to the computer.
Restore Default Settings	Resets the selected settings to their defaults.

Wi-Fi Setup

Menu	Settings and Explanations		
Stop Wi-Fi Signal	When the Wi-Fi signal has been stopped, Send Wi-Fi Signal is displayed.		
Wi-Fi (Recommended)	Wi-Fi Setup Wizard	You can search for a Wi-Fi network. Alternatively, you can setup a Wi-Fi network by entering the information necessary to connect to a wireless router from the printer's control panel. To setup using this method, you need the SSID and password for a wireless router.	
	Push Button Setup (WPS)	You can automatically set up a Wi-Fi network by pressing a button on the wireless router. You can use this method when the wireless router is compatible with WPS (Wi-Fi Protected Setup) or if the current Wi-Fi connection was established by pressing a button on the wireless router.	
	Others	PIN Code (WPS)	You can automatically connect to a wireless router by using a PIN code. You can use this method to set up if a wireless router is capable of WPS (Wi-Fi Protected Setup).
		Wi-Fi Auto Connect	Use the network settings on the computer to communicate with the printer wirelessly to set up the network. This setup method requires that the personal computer and the wireless LAN router (access point) are connected by wireless LAN.
Wi-Fi Direct	Disable Wi-Fi	You may be able to resolve network problems by disabling the Wi-Fi settings or making the Wi-Fi settings again.	
	iOS	This method allows you to connect the printer directly to an iPhone, iPad or iPod touch without a wireless router.	
	Android	This method allows you to connect the printer directly to your Android device without a wireless router.	
	Other OS Devices	Use this method if you cannot connect using iOS , if the printer is not displayed on some Android devices, or when you connect from your computer.	
	Modify	Allows you to change the network name and password, frequency range, disable Wi-Fi Direct, and restore default settings.	

Moving and Transporting the Printer

! **Important:**

- Strong impacts may damage the printer.
- Leave the ink cartridges installed. Removing the cartridges can dry out the print head and may prevent the printer from printing.
- Do not remove the maintenance box; otherwise ink may leak.
- Do not leave the printer in direct sunlight, near heaters, inside cars or other locations that are subject to high temperatures. The printer may be deformed or ink may leak.

Note:

If print quality has declined the next time you print, clean and align the print head.

Moving Indoors or Outdoors**!** **Important:**

We recommend taking the printer as hand luggage on airplanes. Contact your airline to confirm if you can take the device on their airplanes. Depending on handling at the airport, the printer could be damaged or ink may leak due to strong impacts.

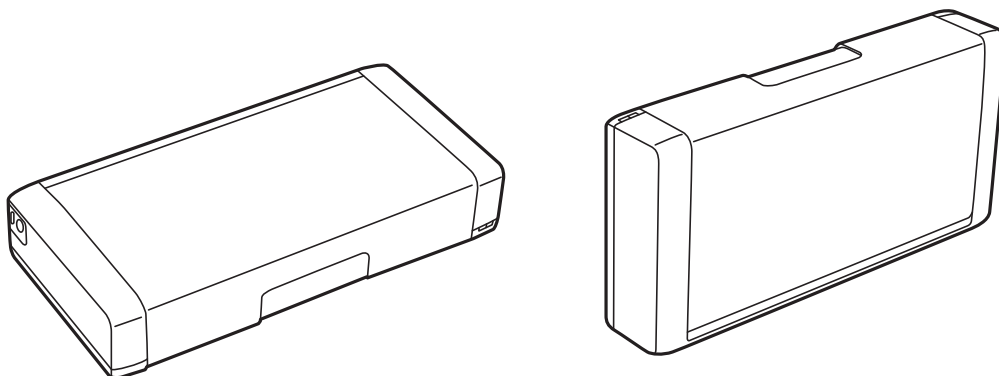
- Turn off the printer, and make sure the power light and the LCD screen turn off.
- Disconnect the AC adapter and the USB cable.
- Close the printer cover to carry the printer.
- Do not put anything on the printer.

Transporting

Prepare the printer for transport, pack it in its box using the protective materials, and then transport the printer.

! **Important:**

When transporting the printer, place the printer as shown in the illustration.



Moving and Transporting the Printer

Related Information

- ➔ [“Part Names and Functions” on page 19](#)
- ➔ [“Checking and Cleaning the Print Head” on page 106](#)
- ➔ [“Aligning the Print Head” on page 107](#)

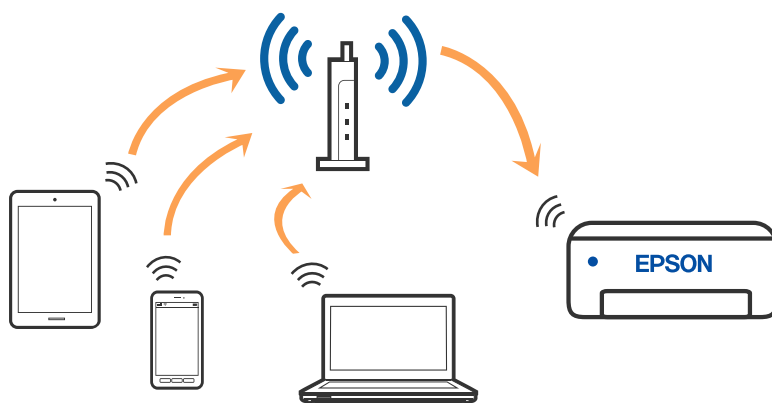
Network Settings

Network Connection Types

You can use the following connection methods.

Wi-Fi Connection

Connect the printer and the computer or smart device to the wireless router. This is the typical connection method for home or office networks where computers are connected by Wi-Fi through the wireless router.



Related Information

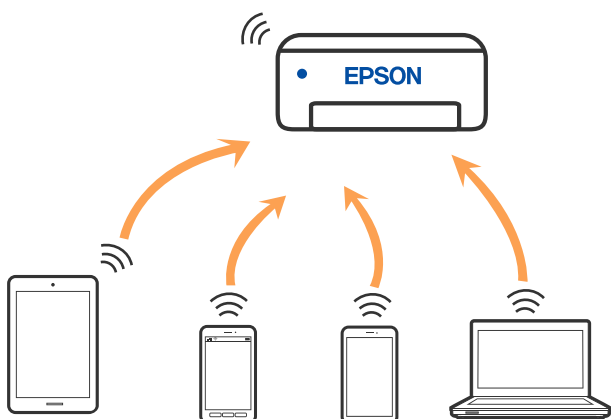
- ➔ [“Connecting to a Computer” on page 29](#)
- ➔ [“Connecting to a Smart Device” on page 30](#)
- ➔ [“Making Wi-Fi Settings from the Printer” on page 39](#)

Wi-Fi Direct (Simple AP) Connection

Use this connection method when you are not using Wi-Fi at home or at the office, or when you want to connect the printer and the computer or smart device directly. In this mode, the printer acts as an wireless router and you can connect the devices to the printer without having to use a standard wireless router. You can connect up to eight

Network Settings

devices. However, devices directly connected to the printer cannot communicate with each other through the printer.



The printer can be connected by Wi-Fi and Wi-Fi Direct (Simple AP) connection simultaneously. However, if you start a network connection in Wi-Fi Direct (Simple AP) connection when the printer is connected by Wi-Fi, the Wi-Fi is temporarily disconnected.

Related Information

- ➔ “Connecting to an iPhone, iPad, or iPod touch using Wi-Fi Direct” on page 31
- ➔ “Connecting to Android Devices using Wi-Fi Direct” on page 34
- ➔ “Connecting to Devices other than iOS and Android using Wi-Fi Direct” on page 36

Connecting to a Computer

We recommend using the installer to connect the printer to a computer. You can run the installer using one of the following methods.

- Setting up from the website

Access the following website, and then enter the product name. Go to **Setup**, and then start setting up.

<http://epson.sn>

- Setting up using the software disc (only for the models that come with a software disc and users with Windows computers with disc drives.)

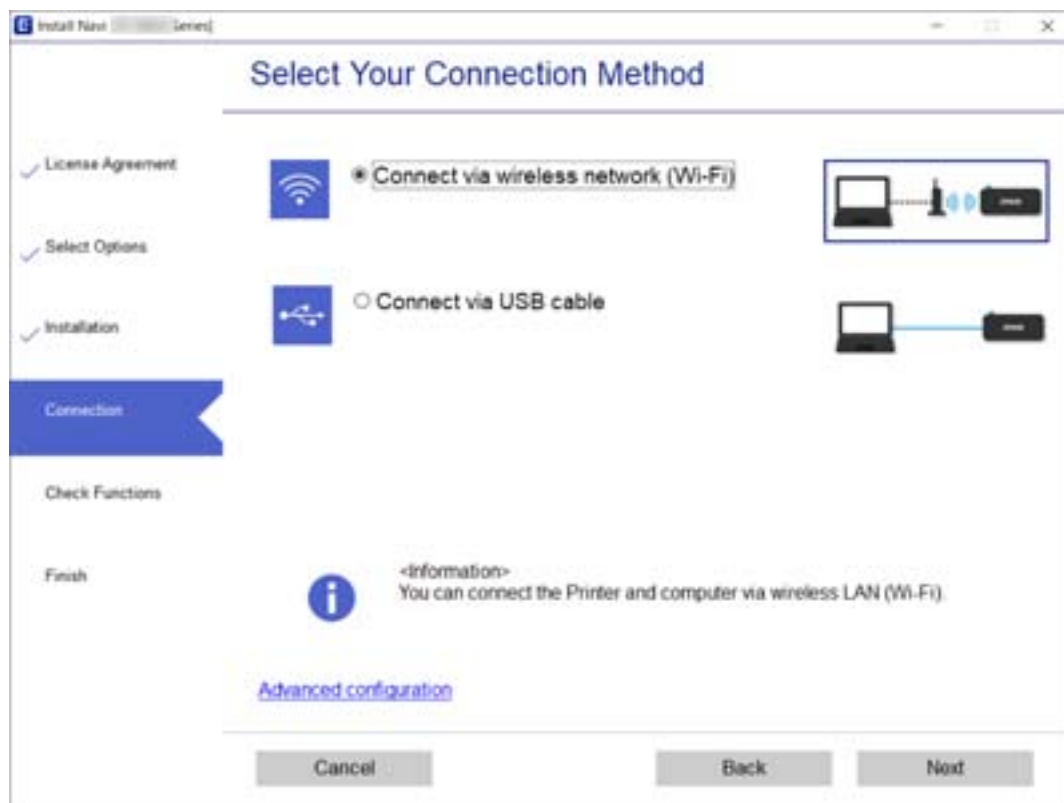
Insert the software disc into the computer, and then follow the on-screen instructions.

Selecting the Connection Methods

Follow the on-screen instructions until the following screen is displayed, and then select the connection method of the printer to the computer.

Network Settings

Select the connection type and then click **Next**.



Follow the on-screen instructions.

Connecting to a Smart Device

Connecting to a smart device over a wireless router

You can use the printer from a smart device when you connect the printer to the same Wi-Fi network (SSID) as the smart device. To use the printer from a smart device, set up from the following website. Access to the website from the smart device that you want to connect to the printer.

<http://epson.sn> > Setup

Note:

- If you want to connect a computer and a smart device to the printer at the same time, we recommend setting up from the computer first by using the installer.
- If you want to connect to a Wi-Fi tethered smartphone, enter the SSID and the password of the smartphone on the printer.

Related Information

- ➔ “Making Wi-Fi Settings by Entering the SSID and Password” on page 39
- ➔ “Printing from Smart Devices” on page 79

Connecting to an iPhone, iPad, or iPod touch using Wi-Fi Direct

This method allows you to connect the printer directly to an iPhone, iPad, or iPod touch without a wireless router. The following conditions are required to connect using this method. If your environment does not match these conditions, you can connect by selecting **Other OS Devices**. See "Related Information" below for details on connecting.

- ❑ iOS 11 or later
- ❑ Using the standard camera application to scan the QR code
- ❑ Epson iPrint version 7.0 or later

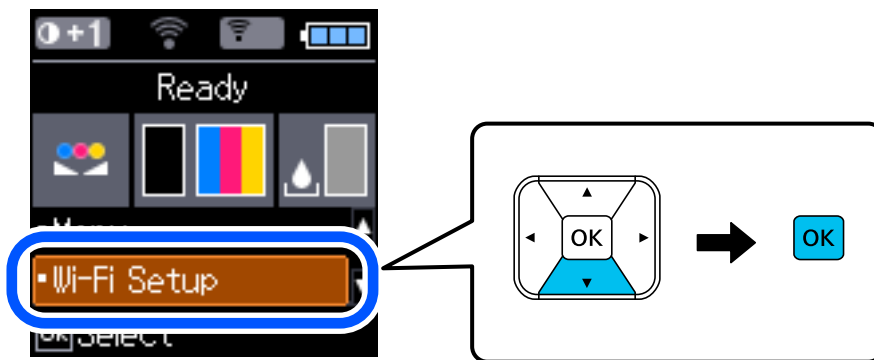
Epson iPrint is used to print from a smart device. Install Epson iPrint on the smart device in advance.

Note:

You only need to make these settings for the printer and the smart device that you want to connect to once. Unless you disable Wi-Fi Direct or restore the network settings to their defaults, you do not need to make these settings again.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.



2. Select **Wi-Fi Direct**.
3. Check the message, and then press the OK button to proceed.
4. Check the message, and then press the OK button to proceed.
5. Select **iOS**.



Network Settings

6. Check the message, and then press the OK button to proceed.

The QR code is displayed on the printer's control panel.

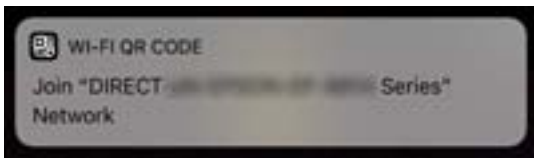


7. On your iPhone, iPad, or iPod touch, start the standard Camera app, and then scan the QR code displayed on the printer's control panel in PHOTO mode.

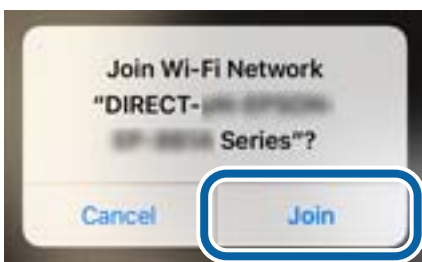


Use the Camera app for iOS 11 or later. You cannot connect to the printer using the Camera app for iOS 10 or earlier. Also, you cannot connect using an app for scanning QR codes. If you cannot connect, press the ◀ button. See "Related Information" below for details on connecting.

8. Tap the notification displayed on the screen of the iPhone, iPad, or iPod touch.



9. Tap **Join**.



Network Settings

10. On the printer's control panel, press the OK button.
11. On the iPhone, iPad, or iPod touch, start Epson printing app.

Examples of Epson printing apps

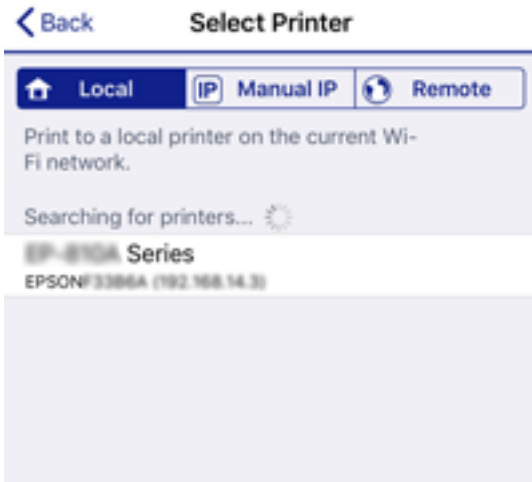


Epson iPrint



Epson Creative Print

12. On the Epson printing app screen, tap **Printer is not selected..**
13. Select the printer that you want to connect to.



See the information displayed on the printer's control panel to select the printer.



14. On the printer's control panel, press the OK button.

For smart devices that have been connected to the printer before, select the network name (SSID) on the smart device's Wi-Fi screen to connect them again.

Network Settings

Related Information

- ➔ “Connecting to Devices other than iOS and Android using Wi-Fi Direct” on page 36
- ➔ “Printing from Smart Devices” on page 79

Connecting to Android Devices using Wi-Fi Direct

This method allows you to connect the printer directly to your Android device without a wireless router. The following conditions are required to use this function.

- Android 4.4 or later
- Epson iPrint version 7.0 or later

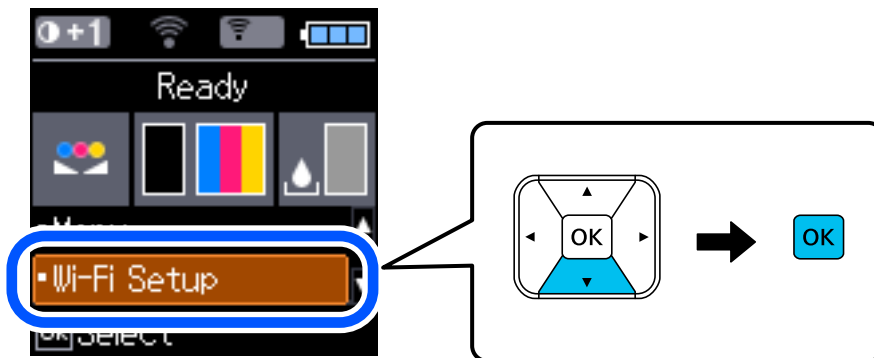
Epson iPrint is used to print from a smart device. Install Epson iPrint on the smart device in advance.

Note:

You only need to make these settings for the printer and the smart device that you want to connect to once. Unless you disable Wi-Fi Direct or restore the network settings to their defaults, you do not need to make these settings again.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.



2. Select **Wi-Fi Direct**.
3. Check the message, and then press the OK button to proceed.
4. Check the message, and then press the OK button to proceed.
5. Select **Android**.



Network Settings

- On the smart device, start Epson iPrint.



- On the Epson iPrint screen, tap **Printer is not selected..**
- Select the printer that you want to connect to.



See the information displayed on the printer's control panel to select the printer.



Note:

Printers may not be displayed depending on the Android device. If printers are not displayed, connect by selecting **Other OS Devices**. See "Related Information" below for connecting.

- When the device connection approval screen is displayed, select **Approve**.
- On the printer's control panel, press the OK button.

For smart devices that have been connected to the printer before, select the network name (SSID) on the smart device's Wi-Fi screen to connect them again.

Related Information

➔ ["Connecting to Devices other than iOS and Android using Wi-Fi Direct" on page 36](#)

➔ “Printing from Smart Devices” on page 79

Connecting to Devices other than iOS and Android using Wi-Fi Direct

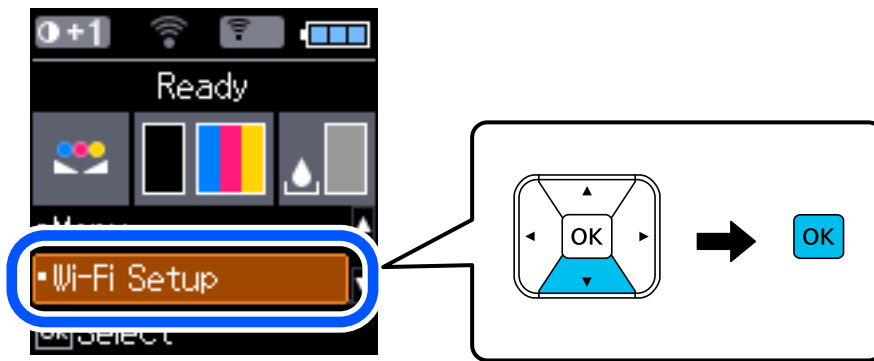
This method allows you to connect the printer directly to smart devices without a wireless router.

Note:

You only need to make these settings for the printer and the smart device that you want to connect to once. Unless you disable Wi-Fi Direct or restore the network settings to their defaults, you do not need to make these settings again.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.



2. Select **Wi-Fi Direct**.
3. Check the message, and then press the OK button to proceed.
4. Check the message, and then press the OK button to proceed.
5. Select **Other OS Devices**.



The Network Name and Password for Wi-Fi Direct for the printer are displayed.

Network Settings

- On the smart device's Wi-Fi screen, select the SSID shown on the printer's control panel, and then enter the password.

The screenshot is an example on iPhone.



- On the printer's control panel, press the OK button.

Network Settings

- On the smart device, start Epson printing app.

Examples of Epson printing apps



Epson iPrint



Epson Creative
Print

- On the Epson printing app screen, tap **Printer is not selected..**
- Select the printer that you want to connect to.



See the information displayed on the printer's control panel to select the printer.



- On the printer's control panel, press the OK button.

For smart devices that have been connected to the printer before, select the network name (SSID) on the smart device's Wi-Fi screen to connect them again.

Related Information

➔ [“Printing from Smart Devices” on page 79](#)

Making Wi-Fi Settings from the Printer

You can make network settings from the printer's control panel in several ways. Choose the connection method that matches the environment and conditions that you are using.

If you know the information for the wireless router such as SSID and password, you can make settings manually.

If the wireless router supports WPS, you can make settings by using push button setup.

After connecting the printer to the network, connect to the printer from the device that you want to use (computer, smart device, tablet, and so on.)

Related Information

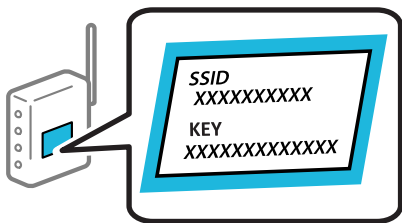
- ➔ “Making Wi-Fi Settings by Entering the SSID and Password” on page 39
- ➔ “Making Wi-Fi Settings by Push Button Setup” on page 40
- ➔ “Making Wi-Fi Settings by PIN Code Setup (WPS)” on page 41

Making Wi-Fi Settings by Entering the SSID and Password

You can set up a Wi-Fi network by entering the information necessary to connect to a wireless router from the printer's control panel. To set up using this method, you need the SSID and password for a wireless router.

Note:

If you are using an wireless router with its default settings, the SSID and password are on the label. If you do not know the SSID and password, contact the person who set up the wireless router, or see the documentation provided with the wireless router.



1. Select **Wi-Fi Setup** on the home screen.
To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.
2. Select **Wi-Fi (Recommended)**.
3. Press the OK button to proceed.
4. Select **Wi-Fi Setup Wizard**.
5. Select the SSID for the wireless router from printer's control panel, and then press the OK button.

Note:

- ❑ *If the SSID you want to connect to is not displayed on the printer's control panel, select **Search Again** to update the list. If it is still not displayed, select **Other SSIDs**, and then enter the SSID directly.*
- ❑ *If you do not know the SSID, check if it is written on the label of the wireless router. If you are using the wireless router with its default settings, use the SSID written on the label.*


Network Settings

- Enter the password.

Select whether or not you print a network connection report after finishing the settings.

Note:

- ❑ *The password is case-sensitive.*
- ❑ *If you do not know the network name (SSID) check if the information is written on the label of the wireless router. If you are using the wireless router with its default settings, use the SSID on the label. If you cannot find any information, see the documentation provided with the wireless router.*

- When you have setup finished, and then press the  button.

Note:

If you fail to connect, load paper, and then press the OK button to print a network connection report.

Related Information





- ➔ [“Entering Characters” on page 22](#)
- ➔ [“Checking the Network Connection Status” on page 41](#)
- ➔ [“When You Cannot Make Network Settings” on page 130](#)

Making Wi-Fi Settings by Push Button Setup

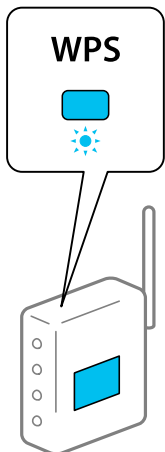
You can automatically set up a Wi-Fi network by pressing a button on the wireless router. If the following conditions are met, you can set up by using this method.

- ❑ The wireless router is compatible with WPS (Wi-Fi Protected Setup).
- ❑ The current Wi-Fi connection was established by pressing a button on the wireless router.

- Select **Wi-Fi Setup** on the home screen.

To select an item, use the     buttons, and then press the OK button.

- Select **Wi-Fi (Recommended)**.
- Press the OK button to proceed.
- Select **Push Button Setup (WPS)**.
- Hold down the [WPS] button on the wireless router until the security light flashes.



Network Settings

If you do not know where the [WPS] button is, or there are no buttons on the wireless router, see the documentation provided with your wireless router for details.

6. Press the OK button on the printer's control panel. Follow the on-screen instruction hereafter.

Note:

If connection fails, restart the wireless router, move it closer to the printer, and try again. If it still does not work, print a network connection report and check the solution.

Related Information

- ➔ [“Checking the Network Connection Status” on page 41](#)
- ➔ [“When You Cannot Make Network Settings” on page 130](#)

Making Wi-Fi Settings by PIN Code Setup (WPS)

You can automatically connect to an wireless router by using a PIN code. You can use this method to set up if an wireless router is capable of WPS (Wi-Fi Protected Setup). Use a computer to enter a PIN code into the wireless router.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀▶ buttons, and then press the OK button.

2. Select **Wi-Fi (Recommended)**.
3. Press the OK button to proceed.
4. Select **Others**.
5. Select **PIN Code (WPS)**.
6. Use your computer to enter the PIN code (an eight digit number) displayed on the printer's control panel into the wireless router within two minutes.

Note:

See the documentation provided with your wireless router for details on entering a PIN code.

7. Press the OK button on the printer.

Setup is complete when the setup completion message is displayed.

Note:

If connection fails, restart the wireless router, move it closer to the printer, and try again. If it still does not work, print a connection report and check the solution.

Related Information

- ➔ [“Checking the Network Connection Status” on page 41](#)
- ➔ [“When You Cannot Make Network Settings” on page 130](#)

Checking the Network Connection Status

You can check the network connection status in the following way.

Network Icon

You can check the network connection status and strength of the radio wave using the network icon on the printer's home screen.



Related Information

➔ [“Guide to the LCD Screen” on page 21](#)

Printing a Network Connection Report

You can print a network connection report to check the status between the printer and the wireless router.

1. Load papers.
2. Select **Menu** on the home screen, and then press the OK button.
To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.
3. Select **Network Settings > Connection Check**.
The connection check starts.
4. Press the OK button to print the network connection report.
If an error has occurred, check the network connection report, and then follow the printed solutions.

Related Information

➔ [“Messages and Solutions on the Network Connection Report” on page 43](#)

Network Settings

Messages and Solutions on the Network Connection Report

Check the messages and error codes on the network connection report, and then follow the solutions.

Check Network Connection	
Check Result	FAIL
Error code	(E-2)
<p>See the Network Status and check if the Network Name (SSID) is the SSID you want to connect. If the SSID is correct, make sure to enter the correct password and try again.</p> <p>If your problems persist, see your documentation for help and networking tips.</p>	
Checked Items	
Wireless Network Name (SSID) Check	FAIL
Communication Mode Check	Unchecked
Security Mode Check	Unchecked
MAC Address Filtering Check	Unchecked
Security Key/Password Check	Unchecked
IP Address Check	Unchecked
Detailed IP Setup Check	Unchecked
Network Status	
Printer Name	EPSON XXXXXX
Printer Model	XX-XXX Series
IP Address	169.254.137.8
Subnet Mask	255.255.0.0
Default Gateway	
Network Name (SSID)	EpsonNet
Security	None
Signal Strength	Poor
MAC Address	F8:D0:27:40:C0:AC

a. Error code

b. Messages on the Network Environment

Related Information

- ➔ “E-1” on page 44
- ➔ “E-2, E-3, E-7” on page 44
- ➔ “E-5” on page 45
- ➔ “E-6” on page 45
- ➔ “E-8” on page 45
- ➔ “E-9” on page 45
- ➔ “E-10” on page 46
- ➔ “E-11” on page 46
- ➔ “E-12” on page 47
- ➔ “E-13” on page 47
- ➔ “Message on the Network Environment” on page 48

Network Settings

E-1

Solutions:

- Make sure the Ethernet cable is securely connected to your printer and to your hub or other network device.
- Make sure your hub or other network device is turned on.
- If you want to connect the printer by Wi-Fi, make Wi-Fi settings for the printer again because it is disabled.

E-2, E-3, E-7

Solutions:

- Make sure your wireless router is turned on.
- Confirm that your computer or device is connected correctly to the wireless router.
- Turn off the wireless router. Wait for about 10 seconds, and then turn it on.
- Place the printer closer to your wireless router and remove any obstacles between them.
- If you have entered the SSID manually, check if it is correct. Check the SSID from the **Network Status** part on the network connection report.
- If an wireless router has multiple SSIDs, select the SSID that is displayed. When the SSID is using a non-compliant frequency, the printer does not display them.
- If you are using push button setup to establish a network connection, make sure your wireless router supports WPS. You cannot use push button setup if your wireless router does not support WPS.
- Make sure your SSID uses only ASCII characters (alphanumeric characters and symbols). The printer cannot display an SSID that contains non-ASCII characters.
- Make sure you know your SSID and password before connecting to the wireless router. If you are using a wireless router with its default settings, the SSID and password are located on a label on the wireless router. If you do not know your SSID and password, contact the person who set up the wireless router, or see the documentation provided with the wireless router.
- If you are connecting to an SSID generated from a tethering smart device, check for the SSID and password in the documentation provided with the smart device.
- If your Wi-Fi connection suddenly disconnects, check for the conditions below. If any of these conditions are applicable, reset your network settings by downloading and running the software from the following website.
<http://epson.sn> > **Setup**
 - Another smart device was added to the network using push button setup.
 - The Wi-Fi network was set up using any method other than push button setup.

Related Information

- ➔ [“Connecting to a Computer” on page 29](#)
- ➔ [“Making Wi-Fi Settings from the Printer” on page 39](#)

Network Settings

E-5

Solutions:

Make sure the wireless router's security type is set to one of the following. If it is not, change the security type on the wireless router, and then reset the printer's network settings.

- WEP-64 bit (40 bit)
- WEP-128 bit (104 bit)
- WPA PSK (TKIP/AES)*
- WPA2 PSK (TKIP/AES)*
- WPA (TKIP/AES)
- WPA2 (TKIP/AES)

* WPA PSK is also known as WPA Personal. WPA2 PSK is also known as WPA2 Personal.

E-6

Solutions:

- Check if MAC address filtering is disabled. If it is enabled, register the printer's MAC address so that it is not filtered. See the documentation provided with the wireless router for details. You can check the printer's MAC address from the **Network Status** part on the network connection report.
- If your wireless router is using shared authentication with WEP security, make sure the authentication key and index are correct.
- If the number of connectable devices on the wireless router is less than the number of network devices that you want to connect, make settings on the wireless router to increase the number of connectable devices. See the documentation provided with the wireless router to make settings.

Related Information

➔ [“Printing a Network Connection Report” on page 42](#)

E-8

Solutions:

- Enable DHCP on the wireless router if the printer's Obtain IP Address setting is set to **Auto**.
- If the printer's Obtain IP Address setting is set to Manual, the IP address you manually set is invalid due to out of range (for example: 0.0.0.0). Set a valid IP address from the printer's control panel or by using Web Config.

E-9

Solutions:

Check the following.

- Devices are turned on.

Network Settings

- You can access the Internet and other computers or network devices on the same network from the devices you want to connect to the printer.

If still does not connect your printer and network devices after confirming the above, turn off the wireless router. Wait for about 10 seconds, and then turn it on. Then reset your network settings by downloading and running the installer from the following website.

<http://epson.sn> > **Setup**

Related Information

➔ [“Connecting to a Computer” on page 29](#)

E-10

Solutions:

Check the following.

- Other devices on the network are turned on.
- Network addresses (IP address, subnet mask, and default gateway) are correct if you have set the printer's Obtain IP Address to Manual.

Reset the network address if they are incorrect. You can check the IP address, subnet mask, and default gateway from the **Network Status** part on the network connection report.

If DHCP is enabled, change the printer's Obtain IP Address setting to **Auto**. If you want to set the IP address manually, check the printer's IP address from the **Network Status** part on the network connection report, and then select Manual on the network settings screen. Set the subnet mask to [255.255.255.0].

If still does not connect your printer and network devices, turn off the wireless router. Wait for about 10 seconds, and then turn it on.

Related Information

➔ [“Printing a Network Connection Report” on page 42](#)

E-11

Solutions:

Check the following.

- The default gateway address is correct if you set the printer's TCP/IP Setup setting to Manual.
- The device that is set as the default gateway is turned on.

Set the correct default gateway address. You can check the default gateway address from the **Network Status** part on the network connection report.

Related Information

➔ [“Printing a Network Connection Report” on page 42](#)

Network Settings

E-12

Solutions:

Check the following.

- Other devices on the network are turned on.
- The network addresses (IP address, subnet mask, and default gateway) are correct if you are entering them manually.
- The network addresses for other devices (subnet mask and default gateway) are the same.
- The IP address does not conflict with other devices.

If still does not connect your printer and network devices after confirming the above, try the following.

- Turn off the wireless router. Wait for about 10 seconds, and then turn it on.
- Make network settings again using the installer. You can run it from the following website.
<http://epson.sn> > **Setup**
- You can register several passwords on a wireless router that uses WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

Related Information

- ➔ [“Printing a Network Connection Report” on page 42](#)
- ➔ [“Connecting to a Computer” on page 29](#)

E-13

Solutions:

Check the following.

- Network devices such as a wireless router, hub, and router are turned on.
- The TCP/IP Setup for network devices has not been set up manually. (If the printer's TCP/IP Setup is set automatically while the TCP/IP Setup for other network devices is performed manually, the printer's network may differ from the network for other devices.)

If it still does not work after checking the above, try the following.

- Turn off the wireless router. Wait for about 10 seconds, and then turn it on.
- Make network settings on the computer that is on the same network as the printer using the installer. You can run it from the following website.
<http://epson.sn> > **Setup**
- You can register several passwords on a wireless router that uses the WEP security type. If several passwords are registered, check if the first registered password is set on the printer.

Related Information

- ➔ [“Printing a Network Connection Report” on page 42](#)
- ➔ [“Connecting to a Computer” on page 29](#)

Message on the Network Environment

Message	Solution
The Wi-Fi environment needs to be improved. Turn the wireless router off and then turn it on. If the connection does not improve, see the documentation for the wireless router.	After moving the printer closer to the wireless router and removing any obstacles between them, turn off the wireless router. Wait for about 10 seconds, and then turn it on. If it still does not connect, see the documentation supplied with the wireless router.
*No more devices can be connected. Disconnect one of the connected devices if you want to add another one.	Computer and smart devices that can be connected simultaneously are connected in full in the Wi-Fi Direct (Simple AP) connection. To add another computer or smart device, disconnect one of the connected devices or connect it to the other network first. You can confirm the number of wireless devices which can be connected simultaneously and the number of connected devices by checking the network status sheet or the printer's control panel.
The same SSID as Wi-Fi Direct exists in the environment. Change the Wi-Fi Direct SSID if you cannot connect a smart device to the printer.	On the printer's control panel, go to Wi-Fi Direct Setup screen and select the menu to change the setting. You can change the network name following after DIRECT-XX-. Enter within 32 characters.

Printing a Network Status Sheet

You can check the detailed network information by printing it.

1. Load papers.
2. Select **Menu** on the home screen.
To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.
3. Select **Network Settings** > **Print Status Sheet**.
4. Press the OK button.
The network status sheet is printed.

Replacing or Adding New Wireless Routers

If the SSID changes due to the replacement of a wireless router, or a wireless router is added and a new network environment is established, re-set the Wi-Fi settings.

Related Information

➔ [“Changing the Connection Method to a Computer” on page 48](#)

Changing the Connection Method to a Computer

Using the installer and re-set up in a different connection method.

Network Settings

- ❑ Setting up from the website

Access the following website, and then enter the product name. Go to **Setup**, and then start setting up.

<http://epson.sn>

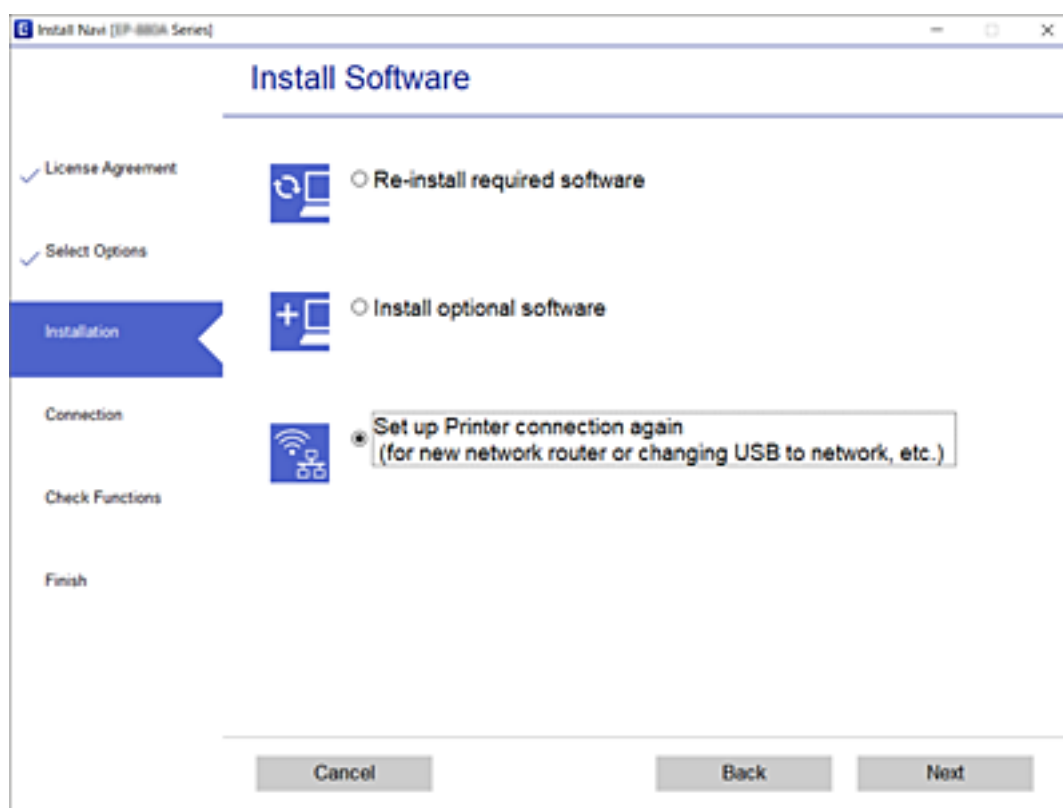
- ❑ Setting up using the software disc (only for the models that come with a software disc and users with Windows computers with disc drives.)

Insert the software disc into the computer, and then follow the on-screen instructions.

Selecting Change the Connection Methods

Follow the on-screen instructions until the following screen is displayed.

Select **Set up Printer connection again (for new network router or changing USB to network, etc.)** on the Install Software screen, and then click **Next**.



Changing the Wi-Fi Direct (Simple AP) Settings

When a Wi-Fi Direct (Simple AP) connection is enabled, you can change the Wi-Fi Direct settings such as the network name and the password.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.

2. Select **Wi-Fi Direct**.

3. Press the OK button to proceed.

Network Settings

4. Press the OK button to proceed.
5. Press the ▼ button to display the setting screen.
6. Select the menu item that you want to change.

You can select the following menu items.

❑ Change Network Name

Change the Wi-Fi Direct (simple AP) network name (SSID) used for connecting to the printer to your arbitrary name. You can set the network name (SSID) in ASCII characters that is displayed on the software keyboard on the control panel.

When changing the network name (SSID), all connected devices are disconnected. Use the new network name (SSID) if you want to re-connect the device.

❑ Change Password

Change the Wi-Fi Direct (simple AP) password for connecting to the printer to your arbitrary value. You can set the password in ASCII characters that is displayed on the software keyboard on the control panel.

When changing the password, all connected devices are disconnected. Use the new password if you want to re-connect the device.

❑ Change Frequency Range

Change the frequency range of Wi-Fi Direct used for connecting to the printer. You can select 2.4 GHz or 5 GHz.

When changing the frequency range, all connected devices are disconnected. Re-connect the device.

Note that you cannot re-connect from devices that do not support 5 GHz frequency range when changing to 5 GHz.

❑ Disable Wi-Fi Direct

Disable Wi-Fi Direct (simple AP) settings of the printer. When disabling it, all devices connected to the printer in Wi-Fi Direct (Simple AP) connection are disconnected.

❑ Restore Default Settings

Restore all Wi-Fi Direct (simple AP) settings to their defaults.

The Wi-Fi Direct (simple AP) connection information of the smart device saved to the printer is deleted.

7. Follow the on-screen instruction.

Stopping and Re-sending the Wi-Fi Signal

When you want to prevent unnecessary Wi-Fi communication, such as when using the printer over a USB connection, you can turn off the Wi-Fi signal to save power. This function allows you to turn off Wi-Fi and Wi-Fi Direct signals. The next time you want to use Wi-Fi, you can turn on both signals and automatically re-connect to the Wi-Fi connection saved in the printer.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀ ▶ buttons, and then press the OK button.

2. Select **Stop Wi-Fi Signal**.

When the Wi-Fi signal has been stopped, **Send Wi-Fi Signal** is displayed.

Network Settings

When turning on the Wi-Fi signal again, the printer connects to the network (SSID) found in the Wi-Fi connection information saved on the printer. When using Wi-Fi Direct, connect to the printer from the device that you are using.

Disabling Wi-Fi from the Control Panel

When Wi-Fi is disabled, the Wi-Fi connection is disconnected.

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀▶ buttons, and then press the OK button.

2. Select **Wi-Fi (Recommended)**.
3. Press the OK button to proceed.
4. Select **Others**.
5. Select **Disable Wi-Fi**.
6. Check the message, and then press the OK button.

Disconnecting Wi-Fi Direct (Simple AP) Connection from the Control Panel

There are two methods available to disable a Wi-Fi Direct (Simple AP) connection; you can disable all connections by using the printer's control panel, or disable each connection from the computer or the smart device. This section explains how to disable all connections.

**Important:**

When Wi-Fi Direct (Simple AP) connection disabled, all computers and smart devices connected to the printer in Wi-Fi Direct (Simple AP) connection are disconnected.

Note:

If you want to disconnect a specific device, disconnect from the device instead of the printer. Use one of the following methods to disconnect the Wi-Fi Direct (Simple AP) connection from the device.

- Disconnect the Wi-Fi connection to the printer's network name (SSID).*
- Connect to another network name (SSID).*

1. Select **Wi-Fi Setup** on the home screen.

To select an item, use the ▲ ▼ ◀▶ buttons, and then press the OK button.

2. Select **Wi-Fi Direct**.
3. Press the OK button to proceed.
4. Press the OK button to proceed.

Network Settings

5. Press the ▼ button to display the setting screen.
6. Select **Disable Wi-Fi Direct**.
7. Check the message, and then press the OK button.

Restoring the Network Settings from the Control Panel

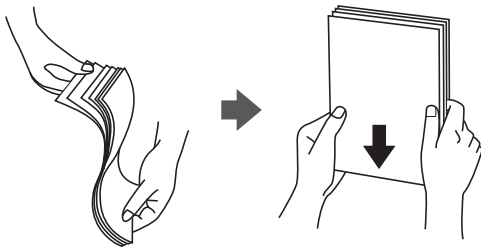
You can restore all network settings to their defaults.

1. Select **Menu** on the home screen.
To select an item, use the ▲ ▼ ◀▶ buttons, and then press the OK button.
2. Select **Restore Default Settings > Network Settings**.
3. Check the message, and then press the OK button.

Loading Paper

Paper Handling Precautions

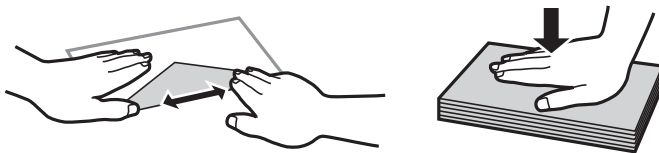
- ❑ Read the instruction sheets supplied with the paper.
- ❑ Fan and align the edges of the paper before loading. Do not fan or curl photo paper. Doing so may damage the printable side.



- ❑ If the paper is curled, flatten it or curl it slightly in the opposite direction before loading. Printing on curled paper may cause paper jams and smears on the printout.



- ❑ Do not use paper that is wavy, torn, cut, folded, damp, too thick, too thin, or paper that has stickers stuck to it. Using these types of paper causes paper jams and smears on the printout.
- ❑ Fan and align the edges of the envelopes before loading. When the stacked envelopes are puffed up with air, press them down to flatten them before loading.



- ❑ Do not use envelopes that are curled or folded. Using these envelopes causes paper jams and smears on the printout.
- ❑ Do not use envelopes with adhesive surfaces on the flaps or window envelopes.
- ❑ Avoid using envelopes that are too thin, as they may curl during printing.

Related Information

- ➔ [“Printer Specifications” on page 139](#)

Available Paper and Capacities

Epson recommends using genuine Epson paper to ensure high-quality printouts.

Genuine Epson Paper

Media Name	Size	Loading Capacity (Sheets)	Manual 2-Sided Printing	Borderless Printing
Epson Bright White Ink Jet Paper	A4	20	✓	-
Epson Ultra Glossy Photo Paper	A4, 13×18 cm (5×7 in.)	5*	-	-
	10×15 cm (4×6 in.)	5*	-	✓
Epson Premium Glossy Photo Paper	A4, 13×18 cm (5×7 in.)	5*	-	-
	16:9 wide size (102×181 mm), 10×15 cm (4×6 in.)	5*	-	✓
Epson Premium Semigloss Photo Paper	A4	5*	-	-
	10×15 cm (4×6 in.)	5*	-	✓
Epson Photo Paper Glossy	A4, 13×18 cm (5×7 in.)	5*	-	-
	10×15 cm (4×6 in.)	5*	-	✓
Epson Matte Paper-Heavyweight	A4	1	-	-
Epson Photo Quality Ink Jet Paper	A4	20	-	-

* Load one sheet of paper at a time if the paper does not feed correctly or if the printout has uneven colors or smears.

Note:

The availability of paper varies by location. For the latest information on paper available in your area, contact Epson support.

Commercially Available Paper

Media Name	Size	Loading Capacity (Sheets or Envelopes)	Manual 2-Sided Printing	Borderless Printing
Plain paper	Letter, A4, B5, A5, A6	20	✓	-
Copy paper	Legal, User Defined	1	✓	
Envelope	Envelope #10, Envelope DL, Envelope C6	1	-	-

Loading Paper

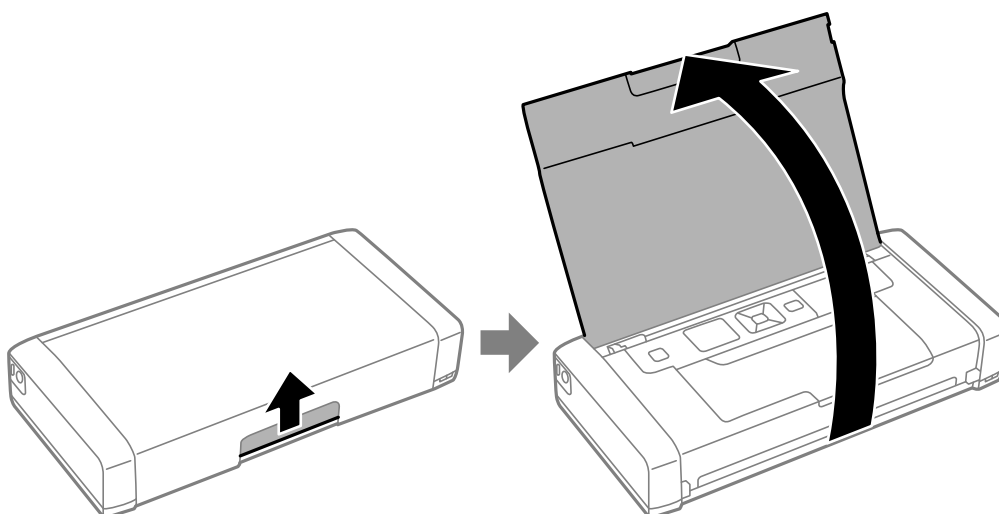
List of Paper Types

To obtain optimum printing results, select the paper type that suits the paper.

Media Name	Media Type		
	Control Panel	Printer Driver	Epson Basic Driver
Copy paper, Plain paper Epson Bright White Ink Jet Paper	plain papers	Plain paper	Plain paper
Epson Ultra Glossy Photo Paper	Ultra Glossy	Epson Ultra Glossy	-
Epson Premium Glossy Photo Paper	Prem. Glossy	Epson Premium Glossy	Epson Premium Glossy
Epson Premium Semigloss Photo Paper	Prem. Semigloss	Epson Premium Semigloss	-
Epson Photo Paper Glossy	Glossy	Photo Paper Glossy	-
Epson Matte Paper- Heavyweight Epson Photo Quality Ink Jet Paper	Matte	Epson Matte	Epson Matte
Envelope	Envelope	Envelope	-

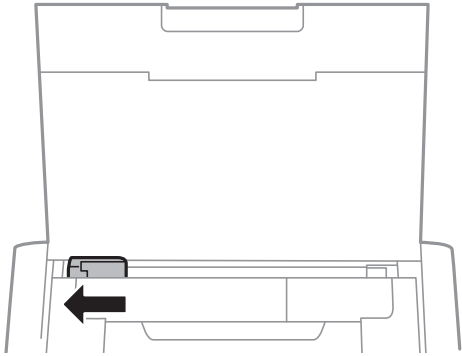
Loading Paper in the Rear Paper Feed

1. Lift up the part at the front of the printer to open the printer cover.

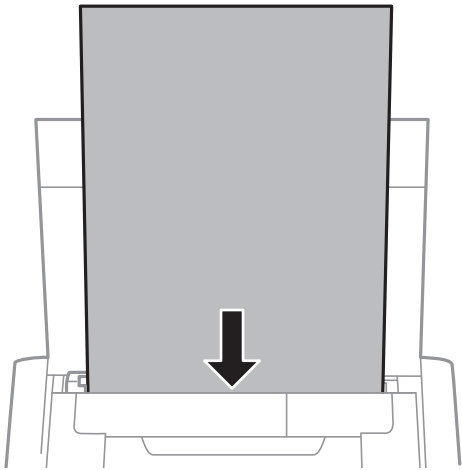


Loading Paper

- Slide the edge guide.



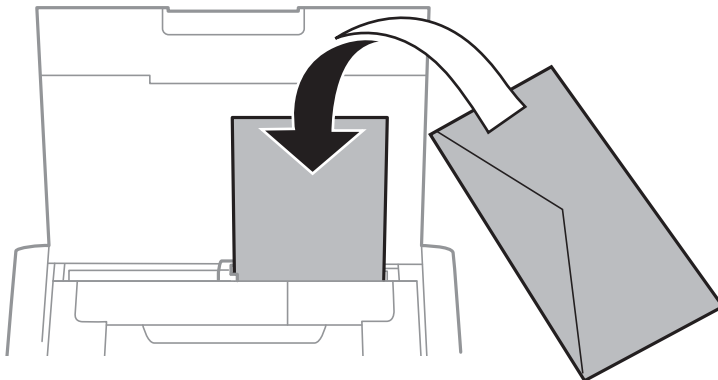
- Load paper vertically along the right side of the rear paper feed with the printable side facing up.



! *Important:*

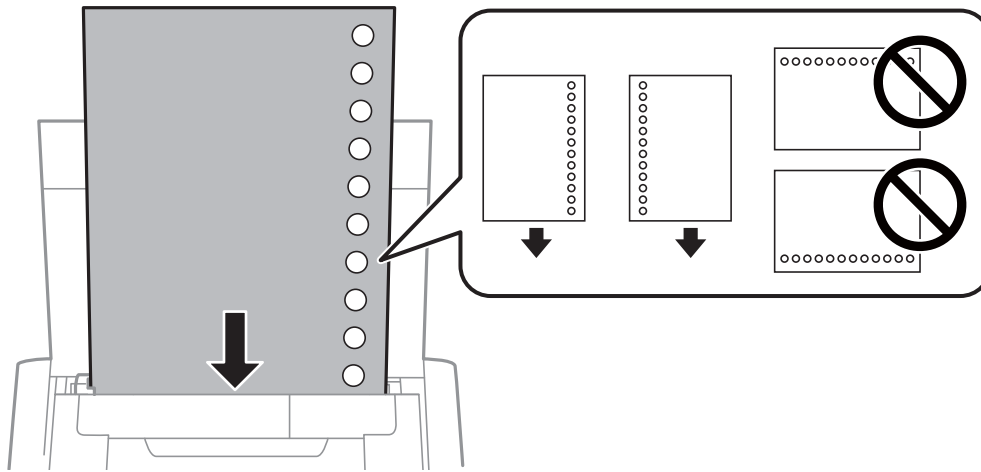
Do not load more than the maximum number of sheets specified for the paper.

- Envelopes



Loading Paper

- ❑ Pre-punched paper

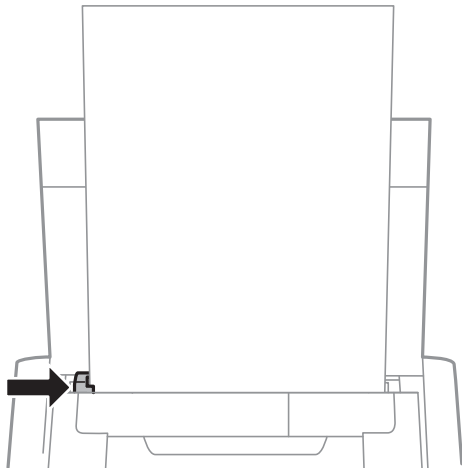


Note:

You can use pre-punched paper under the following conditions.

- ❑ Loading capacity: One sheet
- ❑ Available size: A4, B5, A5, A6, Letter, Legal
- ❑ Binding holes: Do not load paper with the binding holes at the top or the bottom.
Adjust the print position of your file to avoid printing over the holes.

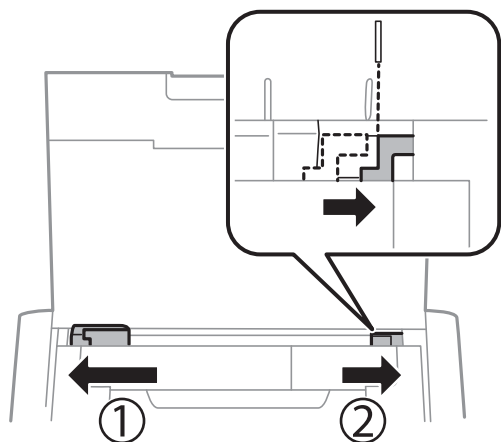
4. Slide the edge guide to the edge of the paper.



Loading Paper

Note:

If you cannot move the edge guide, the part on the right side may not be in the correct position. Slide the edge guide to the far left, slide the part on the right side to the far right, and then try again.



5. On the control panel, set the size and type of the paper you loaded in the rear paper feed.

Note:

- You can also display the paper size and paper type settings screen by selecting **Menu > Printer Setup > Paper Source Settings > Paper Setup**.
- Return the remaining paper to its package. If you leave it in the printer, the paper may curl or the print quality may decline.

Related Information

- ➔ [“Paper Handling Precautions” on page 53](#)

Printing

! *Important:*

Do not disconnect the AC adapter while the printer is operating. Printing may slow down, and a paper jam may occur.

Printing from a Computer

Using the Epson Basic Driver (for Windows Only)

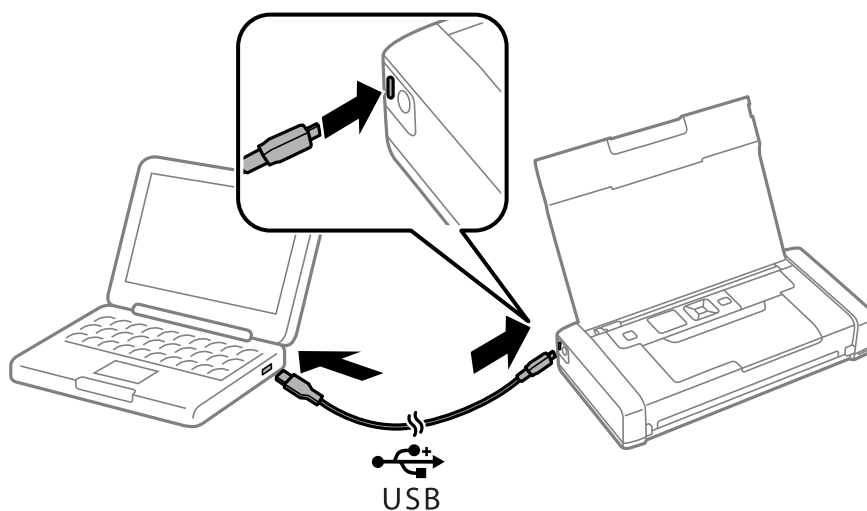
When this printer's driver is not installed on the computer, you can install the Epson basic driver from the printer. However, because the Epson basic driver only comes with limited features, we recommend that you install this printer's driver.

Note:

For Windows XP, Service Pack 3 or later is supported.

Installing the Epson Basic Driver (for Windows Only)

1. Disconnect the printer from the computer.
2. Select **Menu > WF-110 Basic Driver** on the control panel. Press the OK button to start installing.
3. When the on-screen instructions are displayed, connect the printer and the computer with a micro USB cable, and then press the OK button on the control panel.

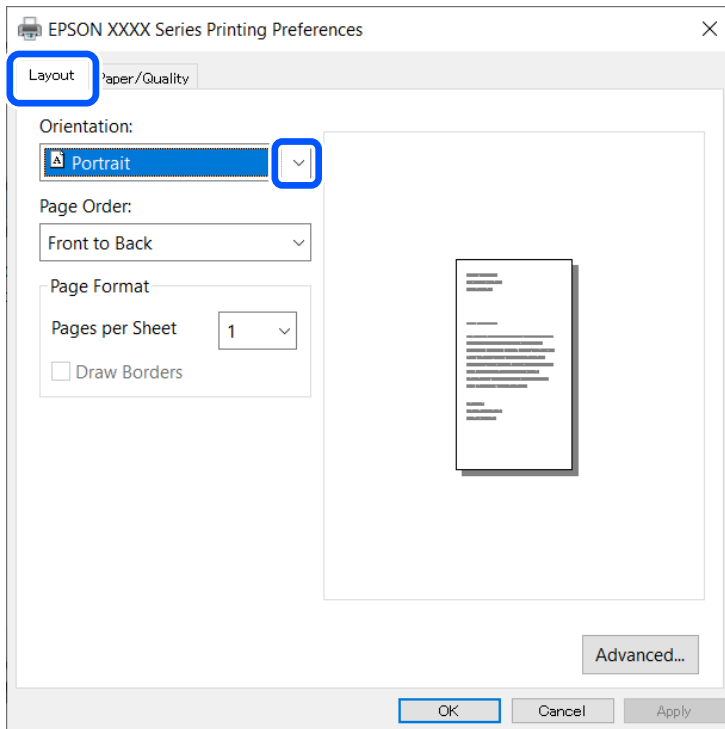


4. In **Computer** or **My Computer** on the computer, double-click **EPSON > SETUP**.
5. Follow the on-screen instructions to complete the installation.

Printing

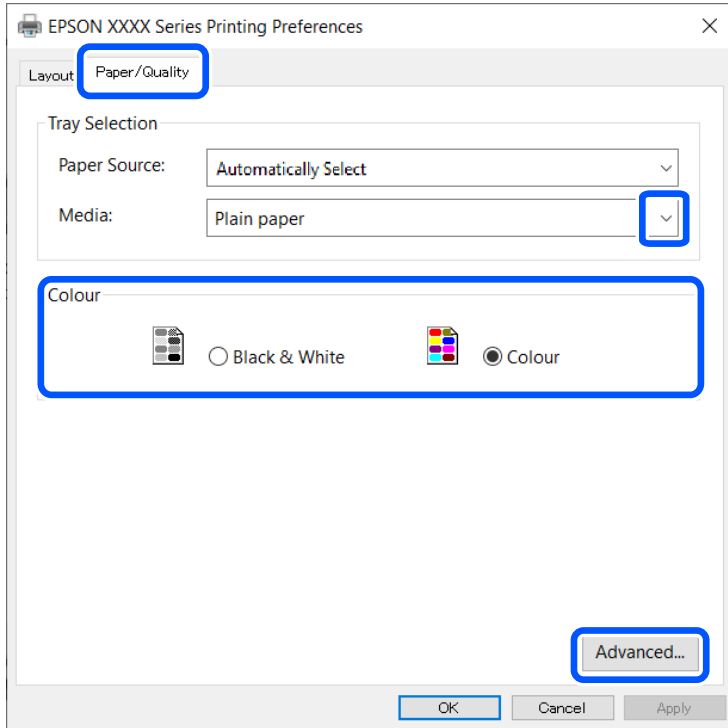
Printing Basics - Epson Basic Driver (for Windows Only)

1. Load paper in the printer.
2. Open the file you want to print.
3. Access the printer driver window.
4. Select the orientation you set in the application as the **Orientation** on the **Layout** tab.



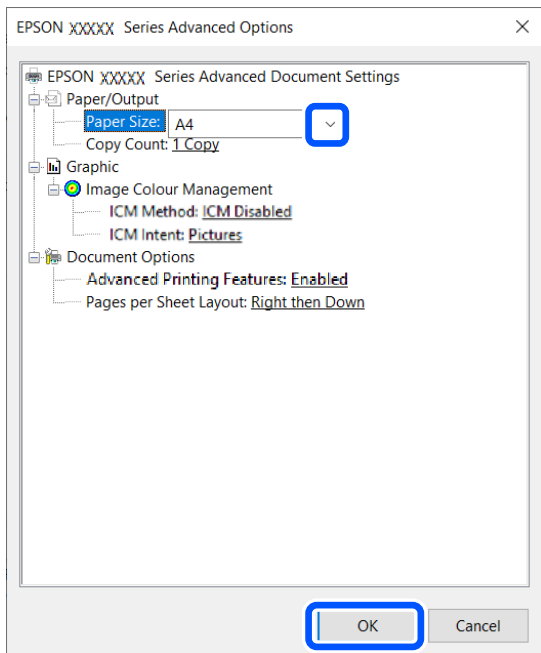
Printing

5. Make the following settings on the **Paper/Quality** tab.



- ❑ Media: Select the type of paper you loaded.
- ❑ Color: Select to print in full color or monochrome

6. Click **Advanced**, make the following settings, and then click **OK**.



Paper Size: Select the paper size you set in the application.

7. Click **OK**.

Printing

- Click **Print**.

Related Information

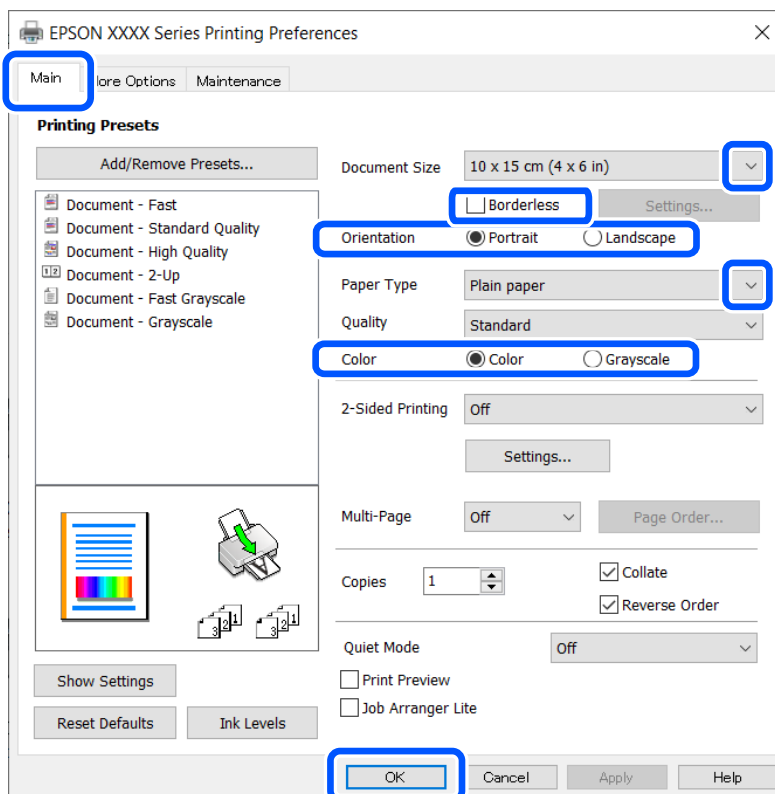
- ➔ [“Installing the Epson Basic Driver \(for Windows Only\)”](#) on page 59

Printing Basics - Windows

Note:

- ❑ See the online help for explanations of the setting items. Right-click an item, and then click **Help**.
- ❑ Operations may differ depending on the application. See the application's help for details.

- Load paper in the printer.
- Open the file you want to print.
- Select **Print** or **Print Setup** from the **File** menu.
- Select your printer.
- Select **Preferences** or **Properties** to access the printer driver window.



- Make the following settings.
 - ❑ Document Size: Select the paper size you set in the application.
 - ❑ Borderless: Select to print with no margins around the image.
 - ❑ Orientation: Select the orientation you set in the application.

Printing

- Paper Type: Select the type of paper you loaded.
- Color: Select **Grayscale** when you want to print in black or shades of gray.

Note:

When printing on envelopes, select *Landscape* as the **Orientation** setting.

7. Click **OK** to close the printer driver window.
8. Click **Print**.

Related Information

- ➔ [“Available Paper and Capacities” on page 54](#)
- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“List of Paper Types” on page 55](#)

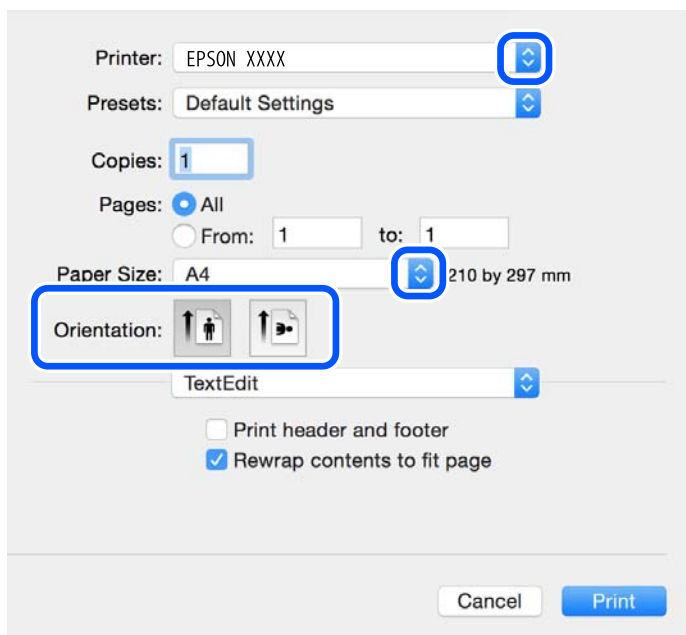
Printing Basics - Mac OS

Note:

Explanations in the section use *TextEdit* as an example. Operations and screens differ depending on the application. See the application's help for details.

1. Load paper in the printer.
2. Open the file you want to print.
3. Select **Print** from the **File** menu or another command to access the print dialog.

If necessary, click **Show Details** or ▼ to expand the print window.



4. Make the following settings.
 - Printer: Select your printer.

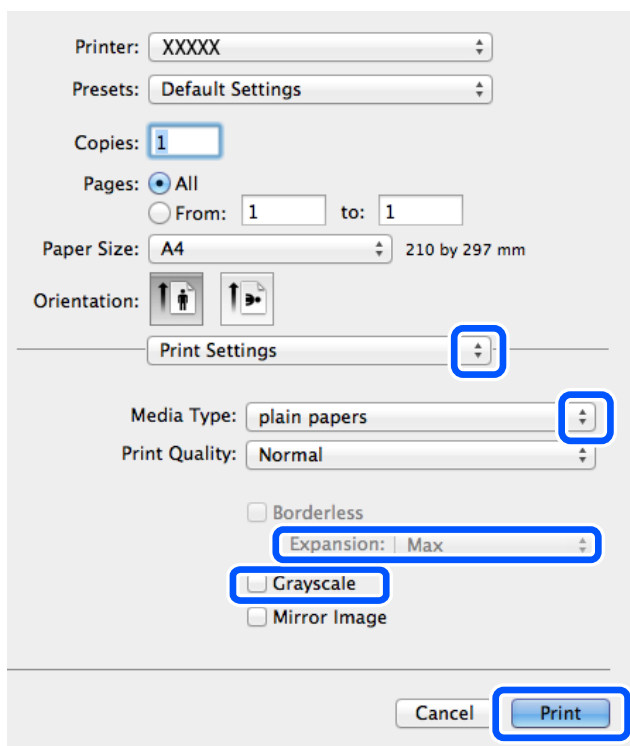
Printing

- Presets: Select when you want to use the registered settings.
- Paper Size: Select the paper size you loaded in the printer.
When printing with no margins, select a "borderless" paper size.
- Orientation: Select the orientation you set in the application.

Note:

- If the above setting menus are not displayed, close the print window, select **Page Setup** from the **File** menu, and then make settings.
- When printing on envelopes, select landscape orientation.

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



Note:

On OS X Mountain Lion or later, if the **Print Settings** menu is not displayed, the Epson printer driver has not been installed correctly.

Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan**, **Print & Fax**), remove the printer, and then add the printer again. See the following to add a printer.

<http://epson.sn>

6. Make the following settings.
 - Paper Source: Select the paper source in which you loaded the paper. If the printer has only one paper source, this item is not displayed.
 - Media Type: Select the type of paper you loaded.
 - Print Quality: Select the print quality.
Selecting a higher quality setting may reduce the printing speed.

Printing

- Expansion: Available when selecting a borderless paper size.

In borderless printing, the print data is enlarged slightly more than the paper size so that no margins are printed around the edges of the paper. Select the amount of enlargement.

- Grayscale: Select to print in black or shades of gray.

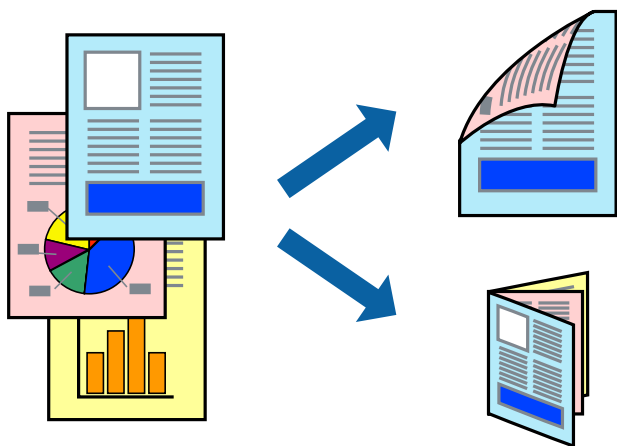
7. Click **Print**.

Related Information

- ➔ [“Available Paper and Capacities” on page 54](#)
- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“List of Paper Types” on page 55](#)

Printing on 2-Sides (for Windows only)

The printer driver prints automatically separating even pages and odd pages. When the printer has finished printing the odd pages, flip the paper over following the instructions to print the even pages. You can also print a booklet that can be created by folding the printout.



Note:

- This feature is not available for borderless printing.
- If you do not use paper that is suitable for 2-sided printing, the print quality may decline and paper jams may occur.
- Depending on the paper and the data, ink may bleed through to the other side of the paper.
- If **EPSON Status Monitor 3** is disabled, access the printer driver, click **Extended Settings** on the **Maintenance** tab, and then select **Enable EPSON Status Monitor 3**.
- 2-sided printing may not be available when the printer is accessed over a network or is used as a shared printer.

1. Load paper in the printer.
2. Open the file you want to print.
3. Access the printer driver window.
4. Select **Manual (Long-edge binding)** or **Manual (Short-edge binding)** from **2-Sided Printing** on the **Main** tab.

Printing

- Click **Settings**, make the appropriate settings, and then click **OK**.

Note:

To print as a booklet, select **Booklet**.

- Set the other items on the **Main** and **More Options** tabs as necessary, and then click **OK**.
- Click **Print**.

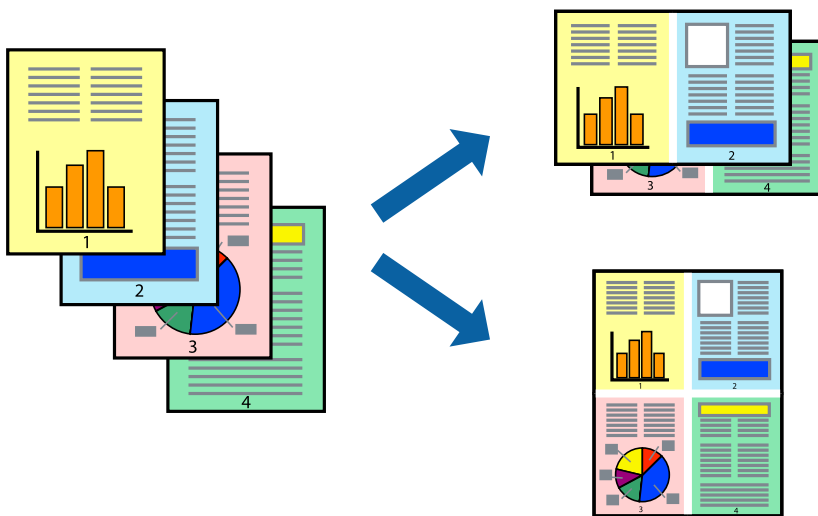
When the first side has finished printing, a pop-up window is displayed on the computer. Follow the on-screen instructions.

Related Information

- ➔ [“Available Paper and Capacities” on page 54](#)
- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Windows” on page 62](#)

Printing Several Pages on One Sheet

You can print two or four pages of data on a single sheet of paper.



Printing Several Pages on One Sheet - Windows

Note:

This feature is not available for borderless printing.

- Load paper in the printer.
- Open the file you want to print.
- Access the printer driver window.
- Select **2-Up** or **4-Up** as the **Multi-Page** setting on the **Main** tab.
- Click **Page Order**, make the appropriate settings, and then click **OK** to close the window.

Printing

6. Set the other items on the **Main** and **More Options** tabs as necessary, and then click **OK**.
7. Click **Print**.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Windows” on page 62](#)

Printing Several Pages on One Sheet - Mac OS

1. Load paper in the printer.
2. Open the file you want to print.
3. Access the print dialog.
4. Select **Layout** from the pop-up menu.
5. Set the number of pages in **Pages per Sheet**, the **Layout Direction** (page order), and **Border**.
6. Set the other items as necessary.
7. Click **Print**.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Mac OS” on page 63](#)

Printing to Fit the Paper Size

You can print to fit the paper size you loaded in the printer.



Printing

Printing to Fit the Paper Size - Windows

Note:

This feature is not available for borderless printing.

1. Load paper in the printer.
2. Open the file you want to print.
3. Access the printer driver window.
4. Make the following settings on the **More Options** tab.
 - Document Size: Select the paper size you set in the application.
 - Output Paper: Select the paper size you loaded in the printer.
Fit to Page is selected automatically.

Note:

*If you want to print a reduced image at the center of the page, select **Center**.*

5. Set the other items on the **Main** and **More Options** tabs as necessary, and then click **OK**.
6. Click **Print**.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Windows” on page 62](#)

Printing to Fit the Paper Size - Mac OS

1. Load paper in the printer.
2. Open the file you want to print.
3. Access the print dialog.
4. Select the size of the paper you set in the application as the **Paper Size** setting.
5. Select **Paper Handling** from the pop-up menu.
6. Select **Scale to fit paper size**.
7. Select the paper size you loaded in the printer as the **Destination Paper Size** setting.
8. Set the other items as necessary.
9. Click **Print**.

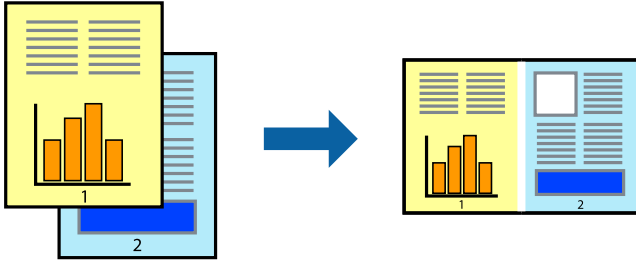
Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Mac OS” on page 63](#)

Printing

Printing Multiple Files Together (for Windows Only)

Job Arranger Lite allows you to combine several files created by different applications and print them as a single print job. You can specify the print settings for combined files, such as layout, print order, and orientation.



Note:

To open a **Print Project** saved in **Job Arranger Lite**, click **Job Arranger Lite** on the printer driver's **Maintenance** tab. Next, select **Open** from the **File** menu to select the file. The extension of the saved files is ".ecl".

1. Load paper in the printer.
2. Open the file you want to print.
3. Access the printer driver window.
4. Select **Job Arranger Lite** on the **Main** tab.
5. Click **OK** to close the printer driver window.
6. Click **Print**.

The **Job Arranger Lite** window is displayed and the print job is added to the **Print Project**.

7. With the **Job Arranger Lite** window opened, open the file that you want to combine with the current file, and then repeat steps 3 to 6.

Note:

If you close the **Job Arranger Lite** window, the unsaved **Print Project** is deleted. To print later, select **Save** from the **File** menu.

8. Select the **Layout** and **Edit** menus in **Job Arranger Lite** to edit the **Print Project** as necessary.
9. Select **Print** from the **File** menu.

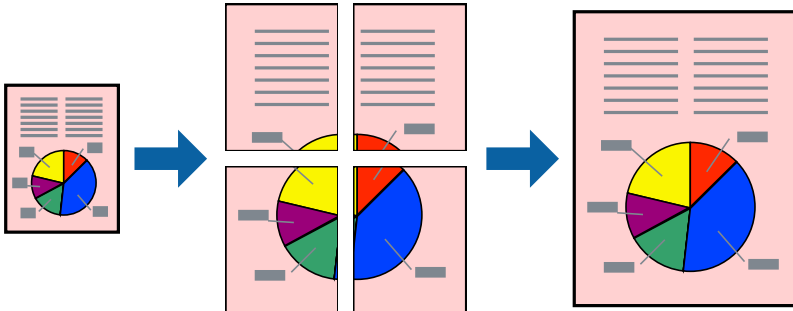
Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Windows” on page 62](#)

Printing

Enlarged Printing and Making Posters (for Windows Only)

You can print one image on multiple sheets of paper to create a larger poster. You can print alignment marks that help you stick the sheets together.



Note:

This feature is not available for borderless printing.

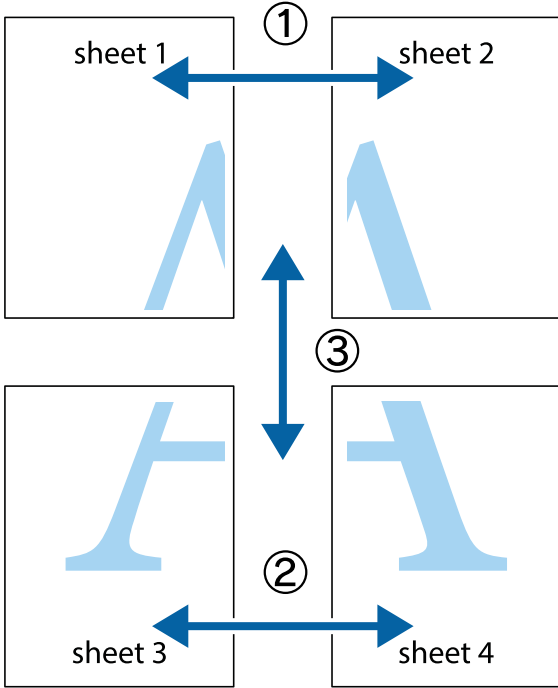
1. Load paper in the printer.
2. Open the file you want to print.
3. Access the printer driver window.
4. Select **2x1 Poster**, **2x2 Poster**, **3x3 Poster**, or **4x4 Poster** from **Multi-Page** on the **Main** tab.
5. Click **Settings**, make the appropriate settings, and then click **OK**.
6. Set the other items on the **Main** and **More Options** tabs as necessary, and then click **OK**.
7. Click **Print**.

Related Information

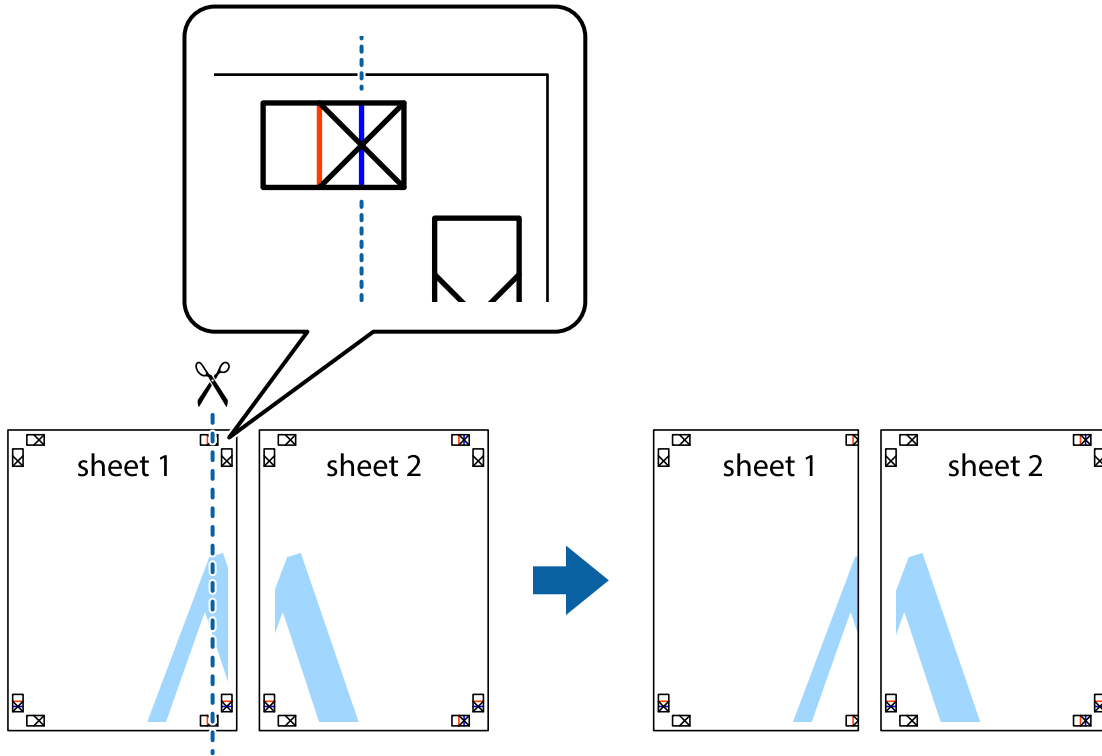
- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Windows” on page 62](#)

Making Posters Using Overlapping Alignment Marks

Here is an example of how to make a poster when **2x2 Poster** is selected, and **Overlapping Alignment Marks** is selected in **Print Cutting Guides**.

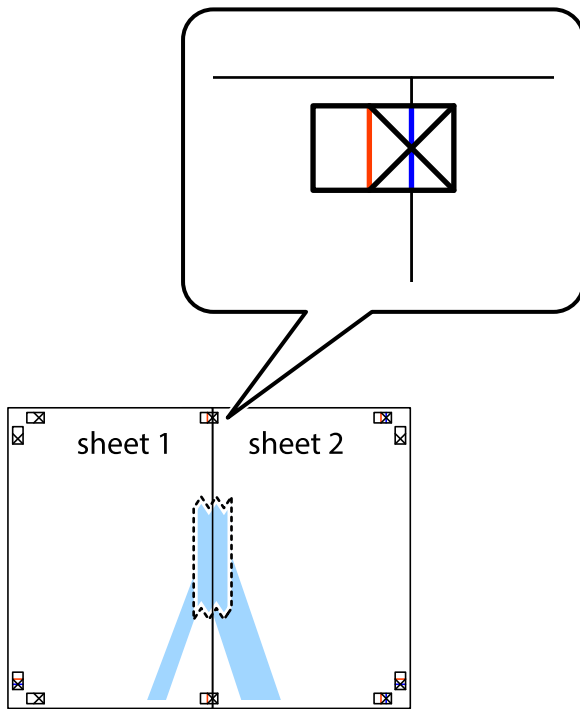


1. Prepare Sheet 1 and Sheet 2. Cut off the margins of Sheet 1 along the vertical blue line through the center of the top and bottom cross marks.



Printing

2. Place the edge of Sheet 1 on top of Sheet 2 and align the cross marks, then temporarily tape the two sheets together from the back.

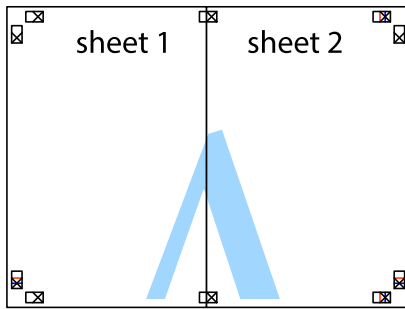


3. Cut the taped sheets in two along the vertical red line through the alignment markers (this time, the line to the left of the cross marks).

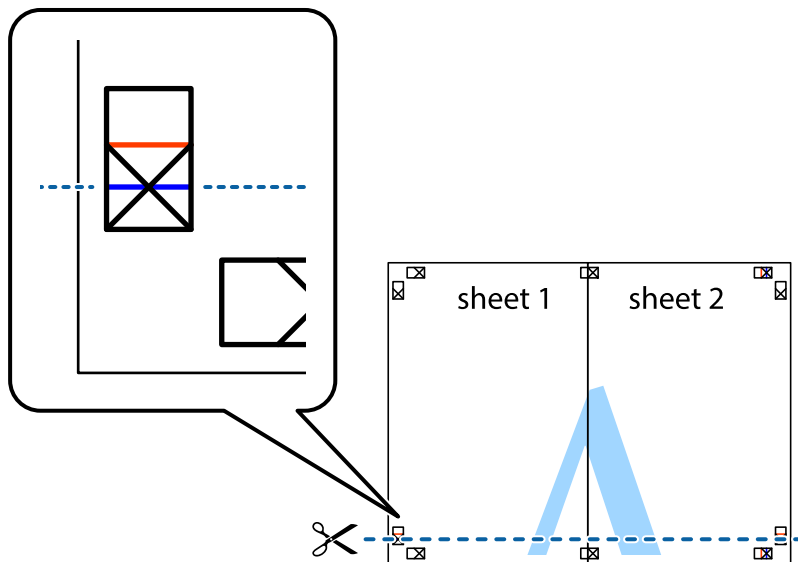


Printing

4. Tape the sheets together from the back.

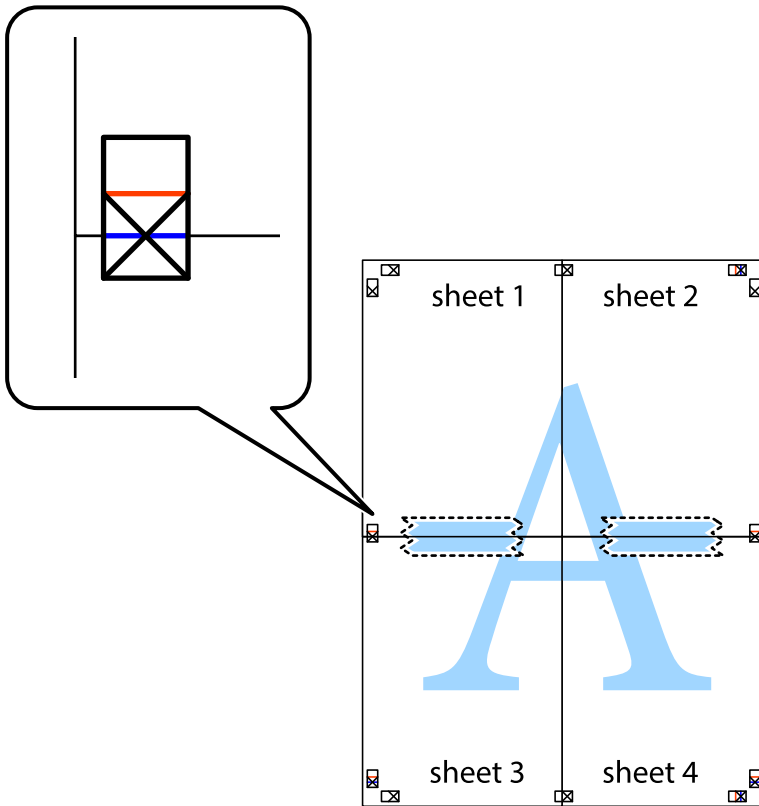


5. Repeat steps 1 to 4 to tape Sheet 3 and Sheet 4 together.
6. Cut off the margins of Sheet 1 and Sheet 2 along the horizontal blue line through the center of the left and right side cross marks.



Printing

7. Place the edge of Sheet 1 and Sheet 2 on top of Sheet 3 and Sheet 4 and align the cross marks, and then temporarily tape them together from the back.



Printing

- Cut the taped sheets in two along the horizontal red line through the alignment markers (this time, the line above the cross marks).

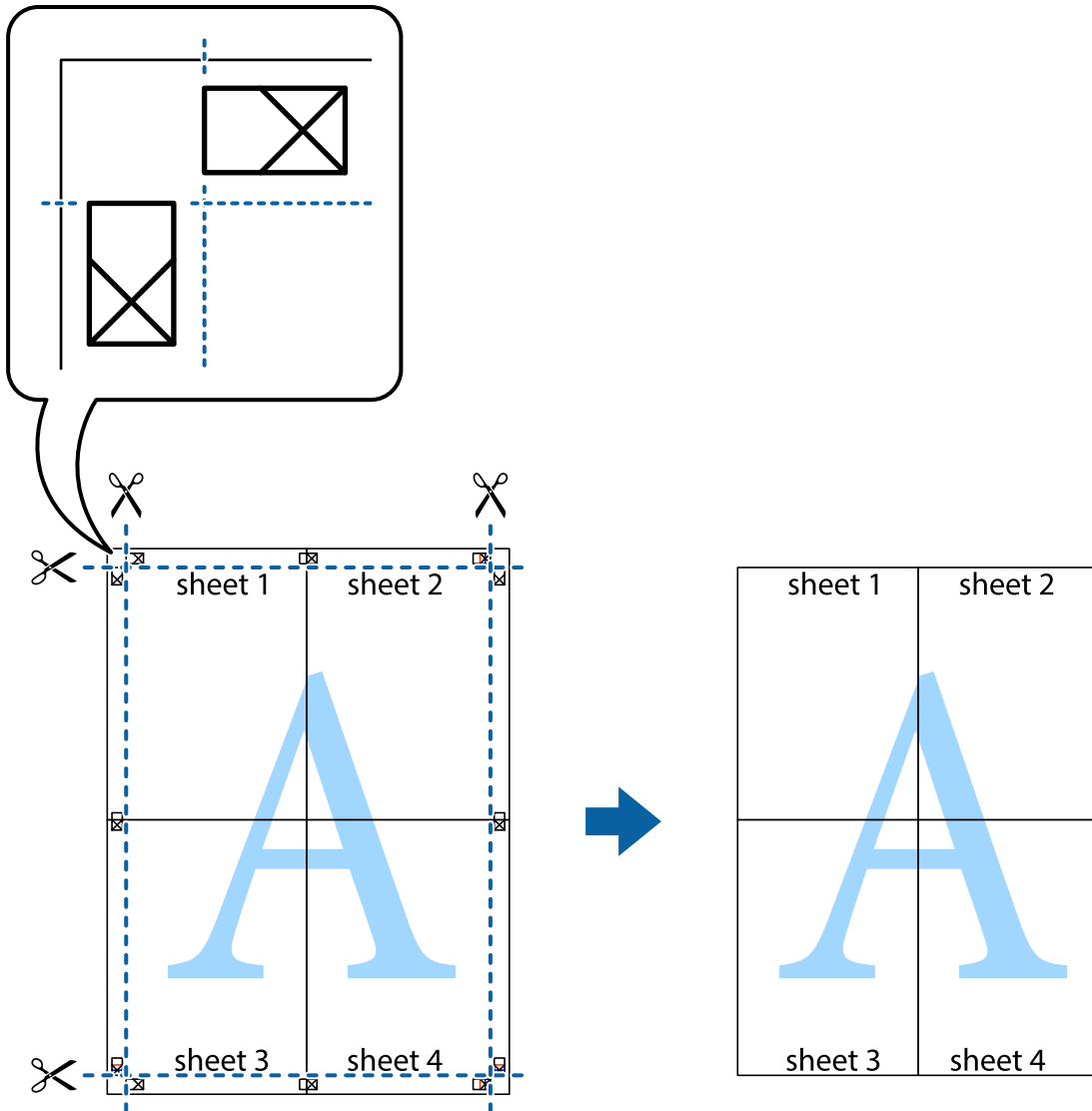


- Tape the sheets together from the back.



Printing

- Cut off the remaining margins along the outer guide.



Printing Using Advanced Features

This section introduces a variety of additional layout and printing features available on the printer driver.

Related Information

- ➔ [“Windows Printer Driver” on page 112](#)
- ➔ [“Mac OS Printer Driver” on page 114](#)

Adding a Printing Preset to Print Easily

If you create your own preset of frequently used print settings on the printer driver, you can print easily by selecting the preset from the list.

Printing

Windows

To add your own preset, set items such as the **Document Size** and **Paper Type** on the **Main** or **More Options** tab, and then click **Add/Remove Presets** in **Printing Presets**.

Note:

To delete an added preset, click **Add/Remove Presets**, select the preset name you want to delete from the list, and then delete it.

Mac OS

Access the print dialog. To add your own preset, set items such as the **Paper Size** and **Media Type**, and then save the current settings as the preset in the **Presets** setting.

Note:

To delete an added preset, click **Presets > Show Presets**, select the preset name you want to delete from the list, and then delete it.

Printing a Reduced or Enlarged Document

You can reduce or enlarge the size of a document by a specific percentage.

Windows

Note:

This feature is not available for borderless printing.

Set the **Document Size** on the **More Options** tab. Select **Reduce/Enlarge Document**, **Zoom to**, and then enter a percentage.

Mac OS

Note:

Operations differ depending on the application. See the application's help for details.

Select **Page Setup** (or **Print**) from the **File** menu. Select the printer from **Format For**, select the paper size, and then enter a percentage in **Scale**. Close the window, and then print following the basic printing instructions.

Related Information

➔ [“Printing Basics - Mac OS” on page 63](#)

Adjusting the Print Color

You can adjust the colors used in the print job.

PhotoEnhance produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness of the original image data.

Note:

- These adjustments are not applied to the original data.
- PhotoEnhance** adjusts the color by analyzing the location of the subject. Therefore, if you have changed the location of the subject by reducing, enlarging, cropping, or rotating the image, the color may change unexpectedly. Selecting the borderless setting also changes the location of the subject resulting in changes in color. If the image is out of focus, the tone may be unnatural. If the color is changed or becomes unnatural, print in a mode other than **PhotoEnhance**.

Printing

Windows

Select the method of color correction from **Color Correction** on the **More Options** tab.

If you select **Automatic**, the colors are automatically adjusted to match the paper type and print quality settings. If you select **Custom** and click **Advanced**, you can make your own settings.

Mac OS

Access the print dialog. Select **Color Matching** from the pop-up menu, and then select **EPSON Color Controls**. Select **Color Options** from the pop-up menu, and then select one of the available options. Click the arrow next to **Advanced Settings** and make the appropriate settings.

Printing a Watermark (for Windows Only)

You can print a watermark such as "Confidential" on your printouts. You can also add your own watermark.

Note:

This feature is not available with borderless printing.

Click **Watermark Features** on the **More Options** tab, and then select a watermark. Click **Settings** to change details such as the color and position of the watermark.

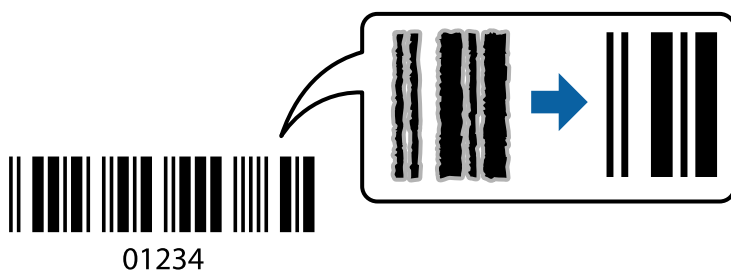
Printing a Header and Footer (for Windows Only)

You can print information such as a user name and printing date as headers or footers.

Click **Watermark Features** in the **More Options** tab, and then select **Header/Footer**. Click **Settings** and select necessary items from the drop-down list.

Printing Clear Bar Codes (for Windows Only)

You can print a bar code clearly and make it easy to scan. Only enable this feature if the bar code you printed cannot be scanned.



You can use this feature under the following conditions.

- Paper: Plain paper, Copy paper, or Envelope
- Quality: **Standard**

The print quality may be changed when printing. The print speed may become slower and print density may become higher.

Printing

Note:

- Deblurring may not always be possible depending on the circumstances.*
- Increasing the size of the bar code may make it easier to scan.*
- When printing using **Barcode mode**, **Plain Paper Density Setting** options are not reflected.*

Print Settings

On the printer driver's **Maintenance** tab, click **Extended Settings**, and then select **Barcode mode**.

Printing from Smart Devices

Using Epson iPrint

Epson iPrint is an application that allows you to print photos, documents, and web pages from a smart device such as a smartphone or tablet. You can use local print, printing from a smart device that is connected to the same wireless network as your printer, or remote print, printing from a remote location over the Internet. To use remote print, register your printer in the Epson Connect service.

**Related Information**

➔ [“Epson Connect Service” on page 110](#)

Installing Epson iPrint

You can install Epson iPrint on your smart device from the following URL or QR code.

<http://ipr.to/c>

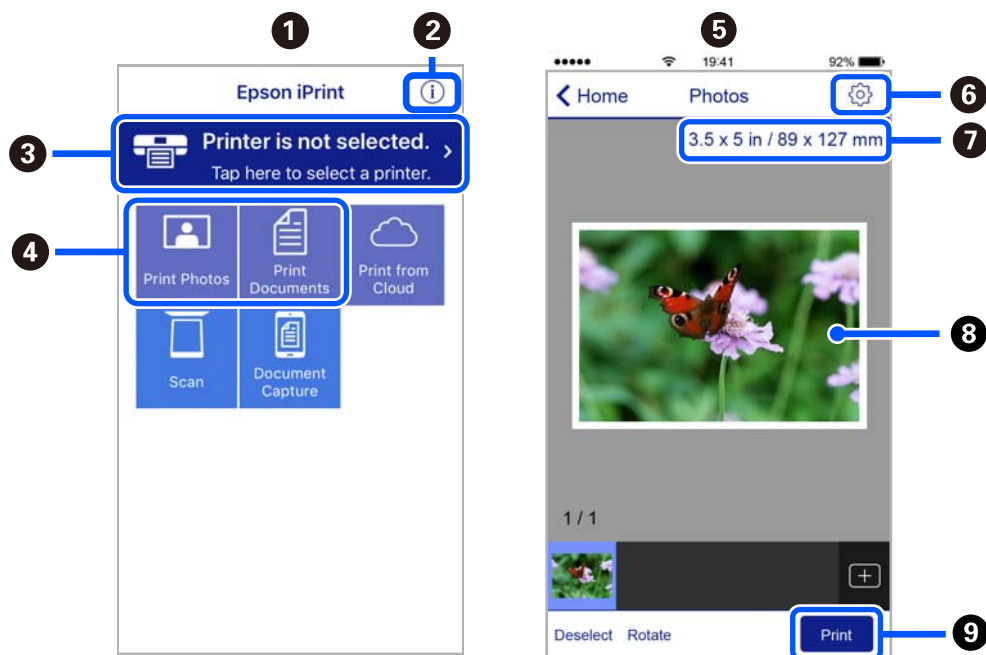


Printing Using Epson iPrint

Start Epson iPrint from your smart device and select the item you want to use from the home screen.

Printing

The following screens are subject to change without notice. The contents may vary depending on the product.



1	Home screen displayed when the application is started.
2	Displays information on how to setup the printer and a FAQ.
3	Displays the screen where you can select the printer and make printer settings. Once you have selected the printer, you do not need to select it again from the next time.
4	Select what you want to print such as photos and documents.
5	The print photos screen displayed when the photo menu is selected.
6	Displays the screen to make print settings such as paper size and paper type.
7	Displays the paper size. When this is displayed as a button, tap it to display the paper settings currently set on the printer.
8	Displays photos and documents you selected.
9	Starts printing.

Note:

To print from the document menu using iPhone, iPad, and iPod touch running iOS, start Epson iPrint after transferring the document you want to print using the file sharing function in iTunes.

Using Epson Print Enabler

You can wirelessly print your documents, emails, photos, and web pages right from your Android phone or tablet (Android v4.4 or later). With a few taps, your Android device will discover an Epson printer that is connected to the same wireless network.

Note:

Operations may differ depending on the device.

Printing

1. Load paper in the printer.
2. Set up your printer for wireless printing.
3. On your Android device, install the Epson Print Enabler plug-in from Google Play.
4. Connect your Android device to the same wireless network as your printer.
5. Go to **Settings** on your Android device, select **Connected devices** > **Printing**, and then enable Epson Print Enabler.
6. From an Android application such as Chrome, tap the menu icon and print whatever is on the screen.

Note:

*If you do not see your printer, tap **All Printers** and select your printer.*

Using AirPrint

AirPrint enables instant wireless printing from iPhone, iPad, iPod touch, and Mac without the need to install drivers or download software.



Note:

If you disabled paper configuration messages on your product control panel, you cannot use AirPrint. See the link below to enable the messages, if necessary.

1. Load paper in your product.
2. Set up your product for wireless printing. See the link below.
<http://epson.sn>
3. Connect your Apple device to the same wireless network that your product is using.
4. Print from your device to your product.

Note:

For details, see the AirPrint page on the Apple website.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Menu” on page 23](#)

Canceling Printing

Note:

- ❑ *In Windows, you cannot cancel a print job from the computer once it has been completely sent to the printer. In this case, cancel the print job by using the printer's control panel.*
- ❑ *When printing several pages from Mac OS, you cannot cancel all of the jobs by using the control panel. In this case, cancel the print job from the computer.*
- ❑ *If you have sent a print job from Mac OS X v10.6.8 through the network, you may not be able to cancel printing from the computer. In this case, cancel the print job by using the printer's control panel.*

Canceling Printing - Printer Button

Press the  button to cancel the print job in progress.


Canceling Printing - Windows

1. Access the printer driver window.
2. Select the **Maintenance** tab.
3. Click **Print Queue**.
4. Right-click on the job you want to cancel and then select **Cancel**.

Related Information

➔ [“Windows Printer Driver” on page 112](#)

Canceling Printing - Mac OS

1. Click the printer icon in the **Dock**.
2. Select the job you want to cancel.
3. Cancel the job.
 - ❑ OS X Mountain Lion or later
Click  next to the progress meter.
 - ❑ Mac OS X v10.6.8 to v10.7.x
Click **Delete**.

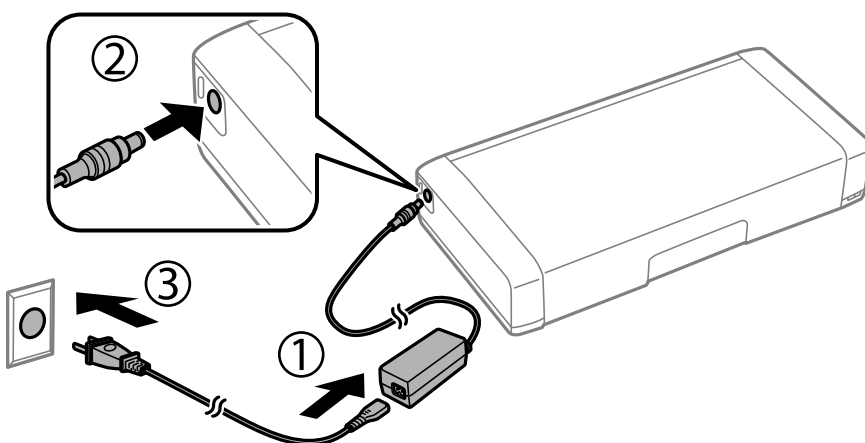
Charging the Built-in Battery

Precautions when Charging the Built-in Battery

- ❑ The battery slowly runs down even when you do not use the printer. Charge the battery before you run the printer on the battery.
- ❑ We recommend turning off the printer when not in use to save the battery. You can also set to turn off the printer automatically.
- ❑ The battery's usable time is shorter in low temperature environments, even if you have charged the battery fully.
- ❑ You do not need to use the battery completely before charging it.
- ❑ The battery may be hot right after it is charged or used; this is normal.
- ❑ Charge the battery within a range of 10 to 35°C (50 to 95°F). The battery may not be fully charged or the battery may deteriorate if you charge it in low or high temperatures.
- ❑ If the battery's usable time is significantly short even after the battery is fully charged, the battery may be at the end of its service life. Contact Epson support to replace the battery.
- ❑ If you do not use the printer for a long time, charge the battery on a regular basis to avoid letting it run out. If the printer does not turn on, charge the battery for more than thirty minutes, and then turn on the printer again.

Charging the Built-in Battery by Connecting to an AC Adapter

Connect the power cord to the AC adapter, connect the AC adapter to the printer, and then plug in the power cord.



Note:

- ❑ The battery charging light turns on when the battery is charging, and turns off when the battery charge is finished.
- ❑ It takes approximately 2.5 hours until the battery is fully charged.

Charging the Built-in Battery with a USB Connection

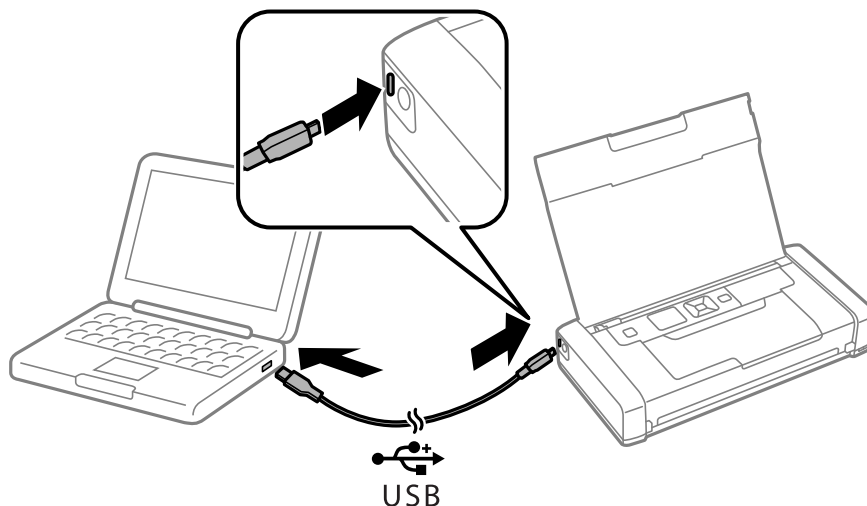
You can charge the battery from a battery charger or a computer with a USB connection.

The following shows the printer's charging specifications.

- ❑ Input for charging with a USB connection: DC 5 V (maximum 1.5 A)
- ❑ Charging time:
 - USB Port (5 V/1.5A): Approx. 2.5 hours
 - USB Port (5 V/0.5 A): Approx. 10 hours
- ❑ Battery capacity of current: 1.86 Ah (3.6 V)


Follow the instructions below to charge the battery from a computer.

1. Make sure that the computer is on. If the computer is in hibernate or sleep mode, you cannot charge the battery; if this happens, wake the computer.
2. Connect the printer to the computer using a micro USB cable.



Note:

You cannot charge the battery using a USB hub. Connect the printer directly to the computer.

3. If the printer is on, press the  button to turn it off.

Note:

- ❑ If battery charging does not start, select **Menu > Battery > Battery Settings** on the control panel, enable **USB Power Supply via PC**, and then try again.
- ❑ You can charge the battery when the printer is in sleep mode even if you do not turn off the printer.
- ❑ During charging, the computer recognizes the printer as a USB mass storage device.
- ❑ The battery charging light turns on when the battery is charging, and turns off when charging is complete.

Using the Optional External Battery


External Battery Code

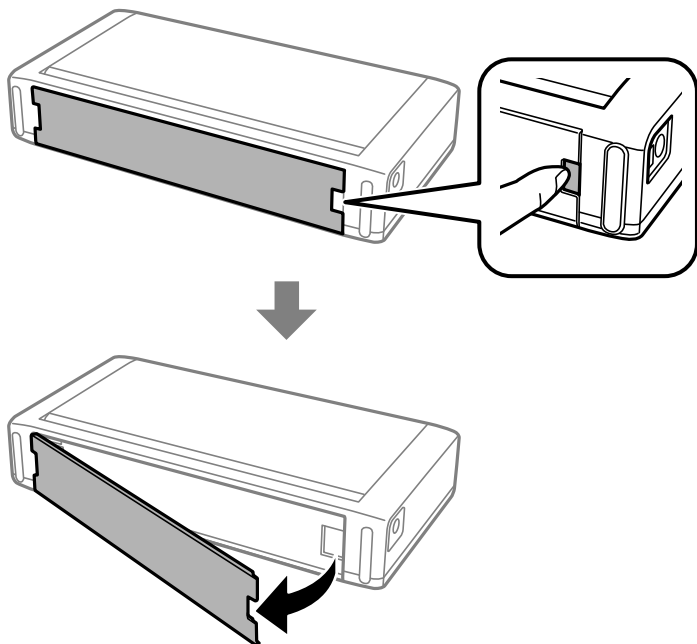
Epson recommends the use of genuine Epson Battery. Epson cannot guarantee the quality or reliability of non-genuine battery. The use of non-genuine battery may cause damage that is not covered by Epson's warranties, and under certain circumstances, may cause erratic printer behavior.

The following are the code for genuine external battery.

C12C934941

Installing the External Battery

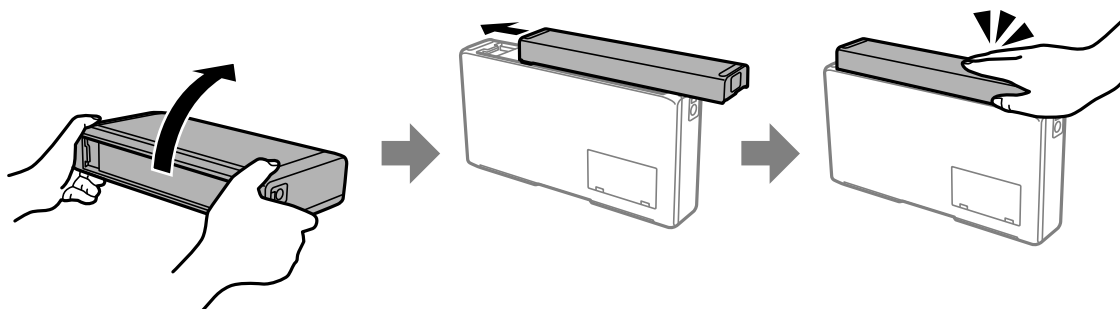
1. Turn off the printer by pressing the  button.
2. Disconnect all cables such as the power cord and USB cable.
3. Remove the rear cover.




Using the Optional External Battery

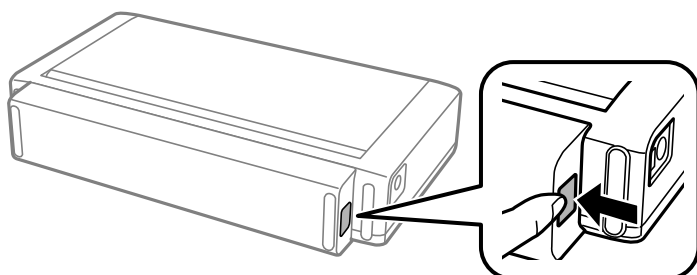
! **Important:**
 Do not touch the section shown in the illustration, do not allow it to get wet, and do not drop metal objects such as paper clips into this section; otherwise the printer may be damaged.

4. Insert the battery.



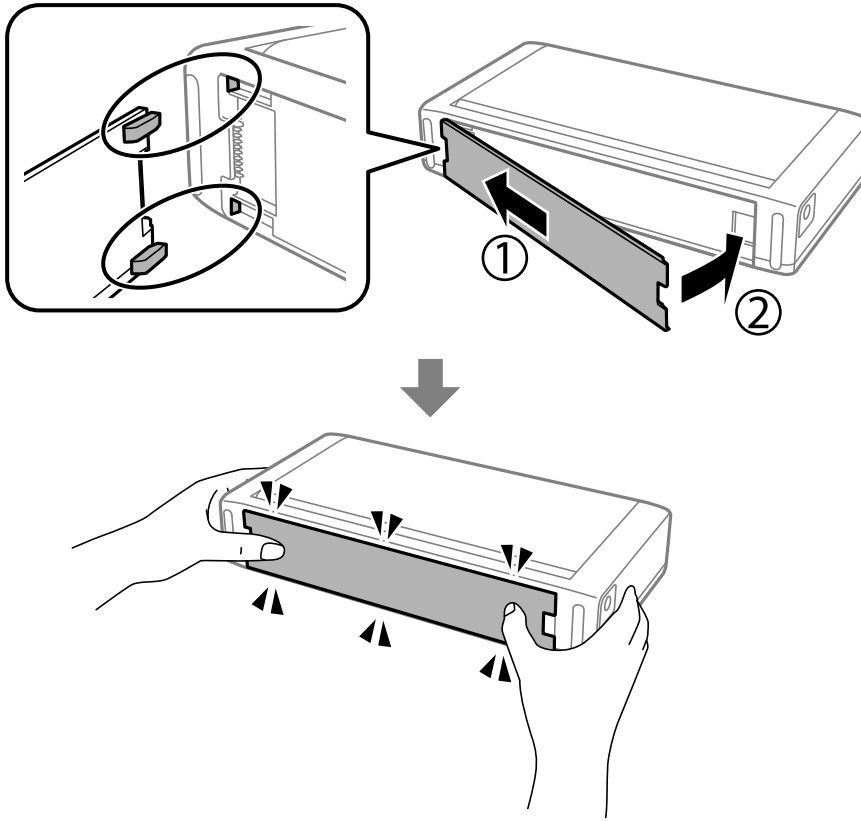
Removing the External Battery

1. Turn off the printer by pressing the  button.
2. Disconnect all cables such as the power cord and USB cable.
3. Push the section shown in the illustration, and then remove the battery.



Using the Optional External Battery

4. Insert the rear cover, and then push it until it clicks into place.





Checking the Status of the External Battery

- ❑ You can check the amount of the battery remaining. Select **Menu > Battery** on the home screen.
Press the ◀▶ buttons to change the display between the built-in battery and the optional external battery.
- ❑ You can check the status of the battery using the icon on the home screen.
- ❑ When the external battery runs out, the display switches to the built-in battery icon.



	Displays the amount of external battery remaining.
	Indicates that the external battery is running low.

Using the Optional External Battery

	Indicates that the external battery is too hot or too cold. Select Menu > Battery to check the status.
	Indicates that the external battery is charging.

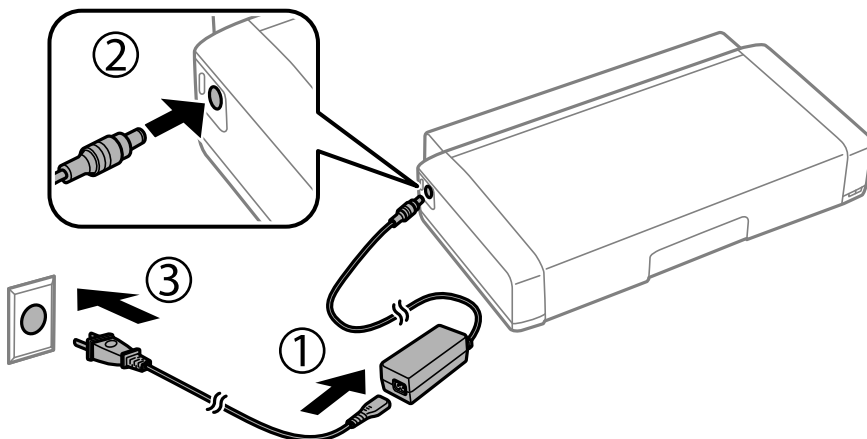
Precautions when Charging the External Battery

- ❑ The battery slowly runs down even when you do not use the printer. Charge the battery before you run the printer on the battery.
- ❑ We recommend turning off the printer when not in use to save the battery. You can also set to turn off the printer automatically.
- ❑ The battery's usable time is shorter in low temperature environments, even if you have charged the battery fully.
- ❑ You do not need to use the battery completely before charging it.
- ❑ The battery may be hot right after it is charged or used; this is normal.
- ❑ Charge the battery within a range of 10 to 35°C. The battery may not be fully charged or the battery may deteriorate if you charge it in low (less than 5 °C) or high (higher than 40 °C) temperatures.
- ❑ Charging only takes place if the printer is idle, in sleep mode, or turned off.
- ❑ If the battery's usable time is significantly short even after the battery is fully charged, the battery may be at the end of its service life. We recommend replacing the battery with a new one.
- ❑ If you do not use the printer for a long time, charge the battery on a regular basis to avoid letting it run out. If the printer does not turn on, charge the battery for more than 30 minutes, and then turn on the printer again.
- ❑ Charge the battery before using it if it has not been used for a long period. If the battery charging light does not turn on, charge the battery for more than 30 minutes. If the light remains off, contact Epson support.

Charging the External Battery

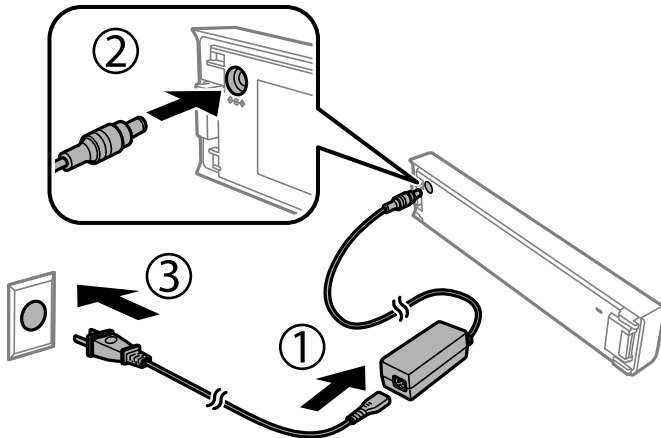
Connect the power cord to the AC adapter, connect the AC adapter to the printer with the battery installed or the battery on its own, and then plug in the power cord.

When the battery is installed



Using the Optional External Battery



When charging the battery on its own



Note:

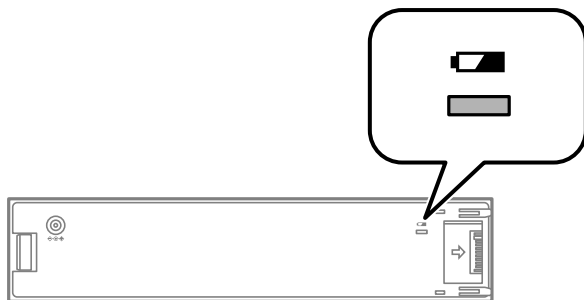
- When the battery installed



is displayed on the home screen during charging. When charging is finished, the icon changes to  or .

- The battery alone

The battery charging light turns on when the battery is charging, and turns off when the battery charge is finished.



- It takes approximately 2.5 hours until the battery is fully charged.

Related Information

➔ [“Precautions when Charging the External Battery” on page 88](#)

Precautions on Storing and Disposing the External Battery

- Store the battery out of children’s reach in order to avoid troubles by swallowing.
- When not using the printer for a long period of time, remove the battery from the printer and store them separately to avoid over-discharging the battery.
- Do not store the battery where the temperature is very high.
- Before disposing of the battery, make sure you discharge them completely.

Using the Optional External Battery

- Do not dispose of batteries as ordinary refuse. Instead, dispose of them in a collection or recycle box in accordance with local laws.
- Do not incinerate or dispose of the battery in fire.

Replacing Ink Cartridges and Other Consumables

Checking the Status of the Remaining Ink and the Maintenance Box

You can check the approximate ink levels and the approximate service life of the maintenance box from the control panel or the computer.

Note:

You can continue printing while the ink low message is displayed. Replace the ink cartridges when required.

Checking the Status of the Remaining Ink and the Maintenance Box - Control Panel

You can check the approximate ink levels and the approximate service life of the maintenance box on the home screen.

Related Information

➔ [“Guide to the LCD Screen” on page 21](#)

Checking the Status of the Remaining Ink and the Maintenance Box - Windows

1. Access the printer driver window.
2. Click **EPSON Status Monitor 3** on the **Maintenance** tab, and then click **Details**.

Note:

*If EPSON Status Monitor 3 is disabled, click **Extended Settings** on the **Maintenance** tab, and then select **Enable EPSON Status Monitor 3**.*

Related Information

➔ [“Windows Printer Driver” on page 112](#)

Checking the Status of the Remaining Ink and the Maintenance Box - Mac OS

1. Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan**, **Print & Fax**), and then select the printer.
2. Click **Options & Supplies** > **Utility** > **Open Printer Utility**.


Replacing Ink Cartridges and Other Consumables

3. Click **EPSON Status Monitor**.

Ink Cartridge Codes

Epson recommends the use of genuine Epson ink cartridges. Epson cannot guarantee the quality or reliability of non-genuine ink. The use of non-genuine ink may cause damage that is not covered by Epson's warranties, and under certain circumstances, may cause erratic printer behavior. Information about non-genuine ink levels may not be displayed.

The following are the codes for genuine Epson ink cartridges.

Icon	Black	Color
Globe 	266	267

Note:

For users in Europe, visit the following website for information on Epson's ink cartridge yields.

<http://www.epson.eu/pageyield>

Related Information

➔ [“Technical Support Web Site”](#) on page 147

Ink Cartridge Handling Precautions

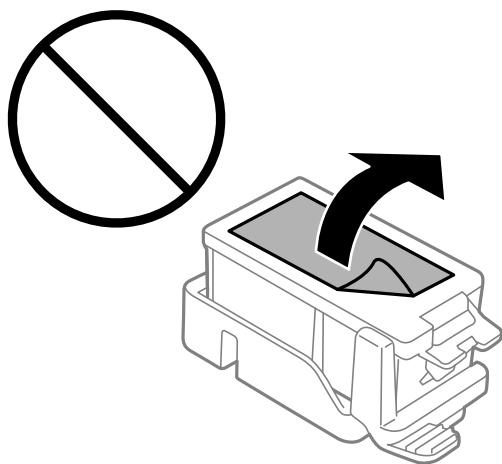
Read the following instructions before replacing ink cartridges.

Handling precautions

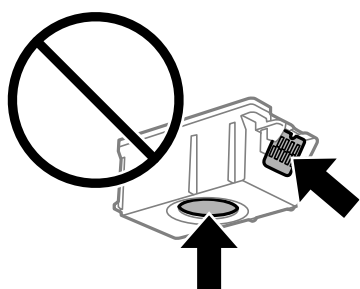
- Store ink cartridges at normal room temperature and keep them away from direct sunlight.
- Epson recommends using the ink cartridge before the date printed on the package.
- For best results, use up ink cartridge within six months of opening the package.
- For best results, store ink cartridge packages with their bottom down.
- After bringing an ink cartridge inside from a cold storage site, allow it to warm up at room temperature for at least three hours before using it.
- Do not open the ink cartridge package until you are ready to install it in the printer. The cartridge is vacuum packed to maintain its reliability. If you leave a cartridge unpacked for a long time before using it, normal printing may not be possible.

Replacing Ink Cartridges and Other Consumables

- ❑ You must remove the yellow tape from the cartridge before installing it; otherwise, print quality may decline or you may not be able to print. Do not remove or tear the label on the cartridge; this can cause leakage.



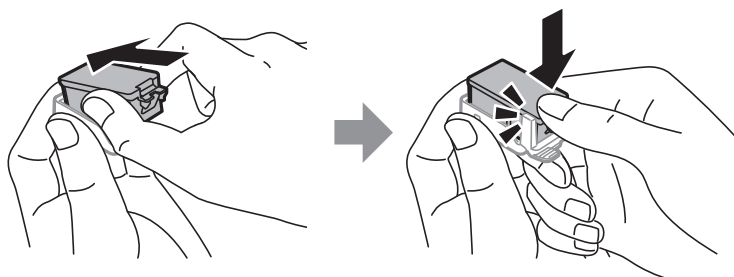
- ❑ Do not touch the sections shown in the illustration. Doing so may prevent normal operation and printing.



- ❑ Install all ink cartridges; otherwise you cannot print.
- ❑ Do not replace ink cartridges with the power off. Do not move the print head by hand; otherwise, you may damage the printer.
- ❑ Do not turn off the printer during ink charging. If the ink charging is incomplete, you may not be able to print.
- ❑ Do not leave the printer with the ink cartridges removed or do not turn off the printer during cartridge replacement. Otherwise, ink remaining in the print head nozzles will dry out and you may not be able to print.
- ❑ Be careful not to let dust or any objects get inside the ink cartridge holder. Anything inside the holder may adversely affect the printing results or result in an inability to print. If anything gets inside the holder, remove it carefully.
- ❑ Insert the ink cartridge in the correct direction. If the cartridge is inserted in the wrong direction, the insertion area may be damaged and the printer may not be able to print.

Replacing Ink Cartridges and Other Consumables

- ❑ If you remove the cartridge from the printer for later use or to dispose of it, make sure you put the cap back on the cartridge's ink supply port to prevent ink from drying out or to prevent surrounding areas from getting smeared by ink.



- ❑ This printer uses ink cartridges equipped with a green chip that monitors information such as the amount of remaining ink for each cartridge. This means that even if the cartridge is removed from the printer before it is expended, you can still use the cartridge after reinserting it back into the printer. However, when reinserting a cartridge, some ink may be consumed to guarantee printer performance.
- ❑ For maximum ink efficiency, only remove an ink cartridge when you are ready to replace it. Ink cartridges with low ink status may not be used when reinserted.
- ❑ To ensure you receive premium print quality and to help protect your print head, a variable ink safety reserve remains in the cartridge when your printer indicates to replace the cartridge. The yields quoted for you do not include this reserve.
- ❑ Although the ink cartridges may contain recycled materials, this does not affect printer function or performance.
- ❑ Specifications and appearance of the ink cartridge are subject to change without prior notice for improvement.
- ❑ Do not disassemble or remodel the ink cartridge, otherwise you may not be able to print normally.
- ❑ You cannot use the cartridges that came with the printer for the replacement.
- ❑ Quoted yields may vary depending on the images that you are printing, the paper type that you are using, the frequency of your prints and environmental conditions such as temperature.
- ❑ Finish ink cartridge replacement promptly. Do not leave the printer with the ink cartridges removed.

Consumption of Ink

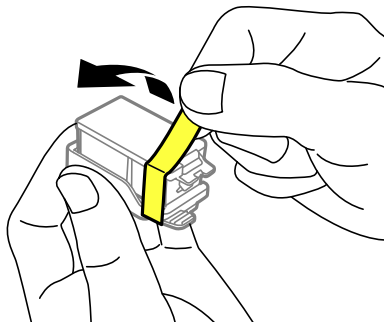
- ❑ To maintain optimum print head performance, some ink is consumed from all cartridges during maintenance operations. Ink may also be consumed when you replace ink cartridges or turn the printer on.
- ❑ When printing in monochrome or grayscale, color inks instead of black ink may be used depending on the paper type or print quality settings. This is because a mixture of color inks is used to create black.
- ❑ The ink in the ink cartridges supplied with your printer is partly used during initial setup. In order to produce high quality printouts, the print head in your printer will be fully charged with ink. This one-off process consumes a quantity of ink and therefore these cartridges may print fewer pages compared to subsequent ink cartridges.

Replacing Ink Cartridges

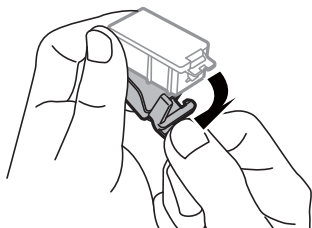
! *Important:*

- Do not shake the ink cartridges.*
- Finish ink cartridge replacement promptly. Do not leave the printer with the ink cartridges removed.*

1. Do one of the following.
 - When prompted to replace ink cartridges
Check which ink cartridge needs to be replaced, and then press the OK button. Select **Replace now**, and then press the OK button.
 - When replacing ink cartridges before they are expended
From the home screen, select **Menu > Maintenance > Ink Cartridge Replacement**, and then press the OK button.
2. Remove the ink cartridge from its package and then remove only the yellow tape.



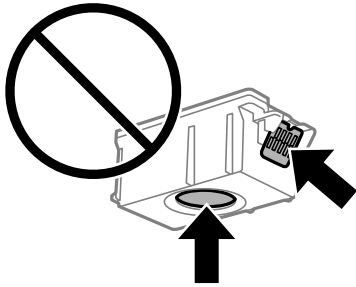
3. Remove the cap.



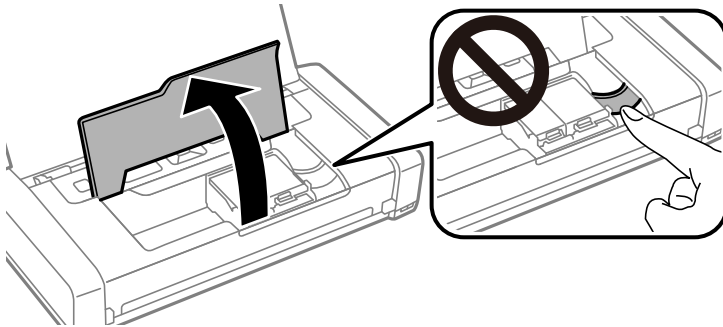
Replacing Ink Cartridges and Other Consumables

! *Important:*

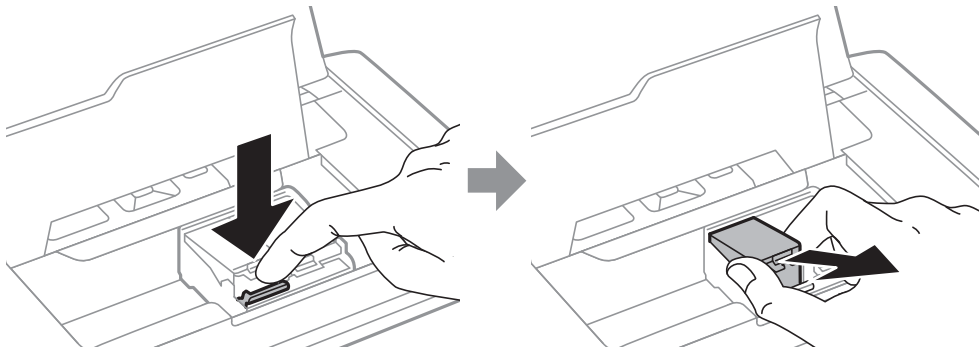
Do not touch the sections shown in the illustration. Doing so may prevent normal operation and printing.



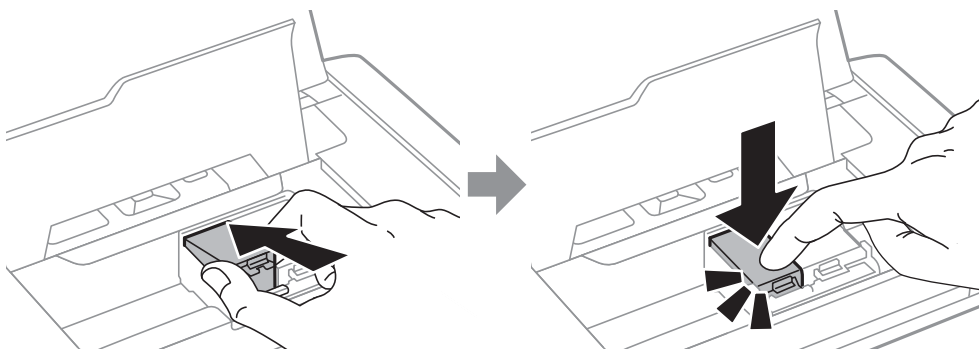
4. Press the OK button.
5. Open the inner cover.



6. Push the lever to unlock the ink cartridge, and then pull out the cartridge diagonally.



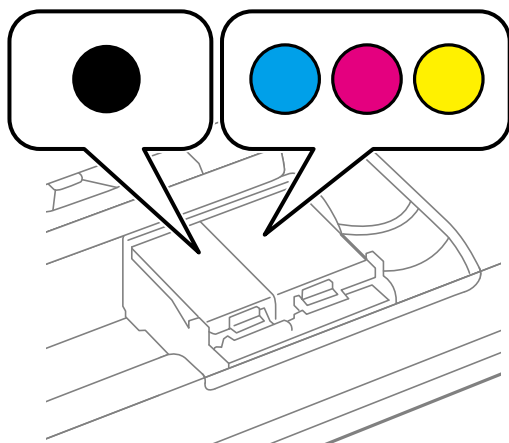
7. Insert the ink cartridge diagonally into the cartridge holder and gently push it down until it clicks into place.



Replacing Ink Cartridges and Other Consumables

! Important:

- ❑ Insert the ink cartridge in the correct direction. If the cartridge is inserted in the wrong direction, the insertion area may be damaged and the printer may not be able to print.
- ❑ Make sure you insert the black cartridge into the left holder, and the color cartridge into the right holder.



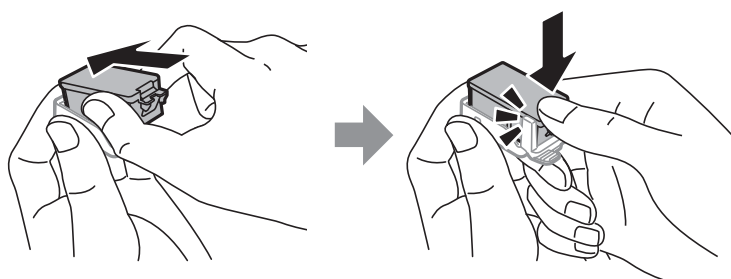
8. Close the inner cover.

9. Press the OK button.

Ink charging starts.

! Important:

- ❑ Do not turn off the printer during ink charging. If the ink charging is incomplete, you may not be able to print.
- ❑ If you remove the cartridge from the printer for later use or to dispose of it, make sure you put the cap back on the cartridge's ink supply port to prevent ink from drying out or to prevent surrounding areas from getting smeared by ink.



Related Information

- ➔ [“Ink Cartridge Codes” on page 92](#)
- ➔ [“Ink Cartridge Handling Precautions” on page 92](#)

Maintenance Box Code

Epson recommends the use of a genuine Epson maintenance box.

Replacing Ink Cartridges and Other Consumables

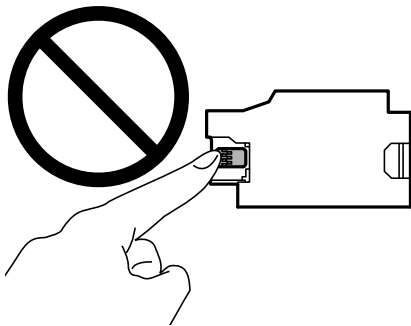
The following is the code for the genuine Epson maintenance box.

T2950

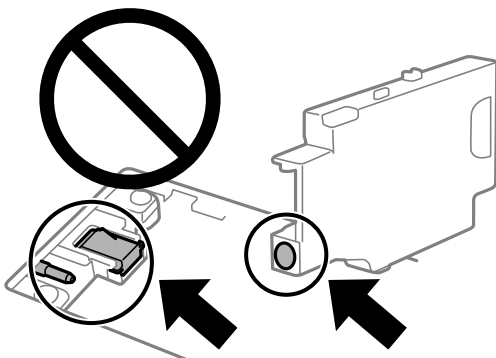
Maintenance Box Handling Precautions

Read the following instructions before replacing the maintenance box.

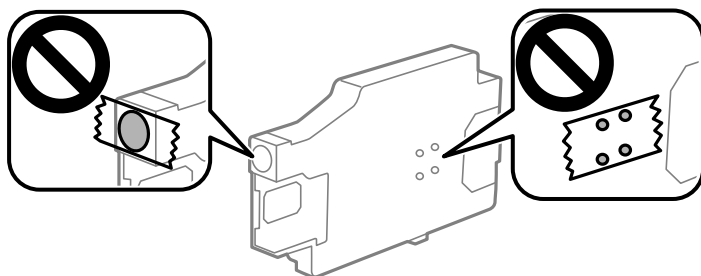
- ❑ Do not touch the green chip on the side of the maintenance box. Doing so may prevent normal operation and printing.



- ❑ Do not press or remove the film on the box; otherwise ink may leak.
- ❑ Do not touch the sections shown in the illustration. Doing so may prevent normal operation and you may get smeared with ink.



- ❑ Do not seal the holes of the maintenance box. These are necessary to operate normally.



- ❑ Keep the maintenance box out of direct sunlight.
- ❑ Do not replace the maintenance box when the printer is on; otherwise, ink may leak.

Replacing Ink Cartridges and Other Consumables

- ❑ Do not reuse a maintenance box which has been removed and left detached for a long period. Ink inside the box will have solidified and no more ink can be absorbed.
- ❑ Do not remove the maintenance box and its cover except when replacing the maintenance box; otherwise ink may leak.

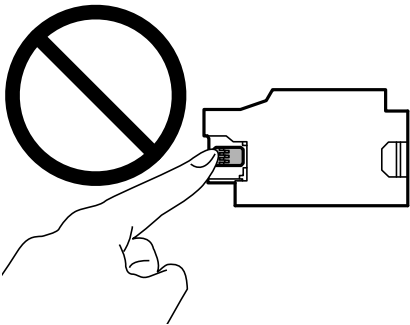
Replacing a Maintenance Box

In some print cycles a very small amount of surplus ink may be collected in the maintenance box. To prevent ink leakage from the maintenance box, the printer is designed to stop printing when the absorbing capacity of the maintenance box has reached its limit. Whether and how often this is required will vary according to the number of pages you print, the type of material that you print and the number of cleaning cycles that the printer performs. Replace the maintenance box when you are promoted to do so. The Epson Status Monitor, your LCD, or lights on the control panel will advise you when this part needs replacing. The need for replacement of the box does not mean that your printer has ceased to operate in accordance with its specifications. The Epson warranty does not cover the cost of this replacement. It is a user-serviceable part.

1. Remove the new maintenance box from its package.

! **Important:**


- ❑ Do not touch the green chip on the side of the maintenance box. Doing so may prevent normal operation and printing.



❑ Do not press or remove the film on the box; otherwise ink may leak.

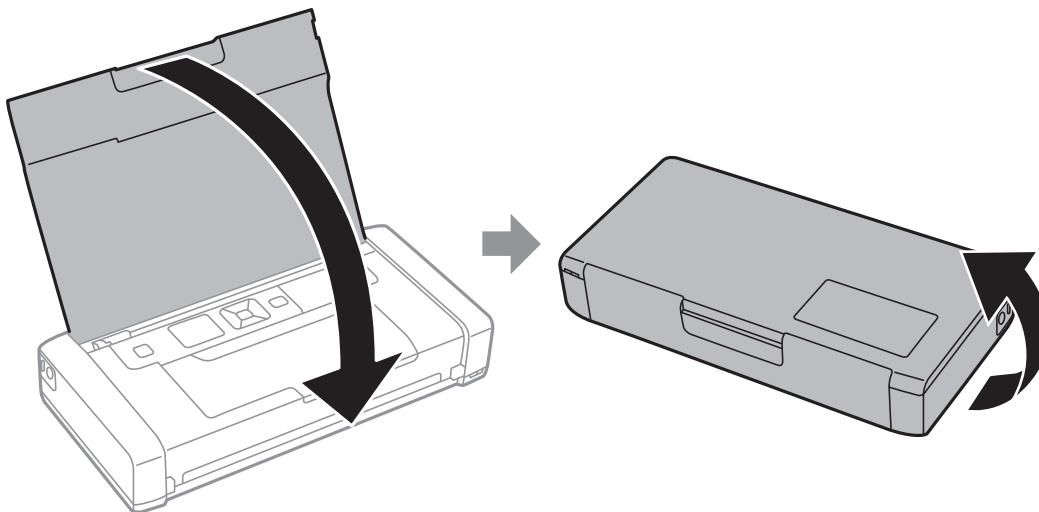
Note:

A transparent bag for the used maintenance box is provided with the new maintenance box.

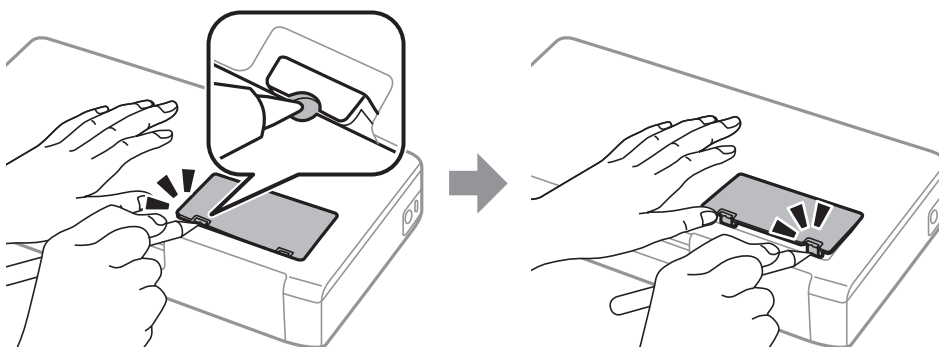
2. Turn off the printer by pressing the  button.
3. Disconnect all cables such as the power cord and USB cable.

Replacing Ink Cartridges and Other Consumables

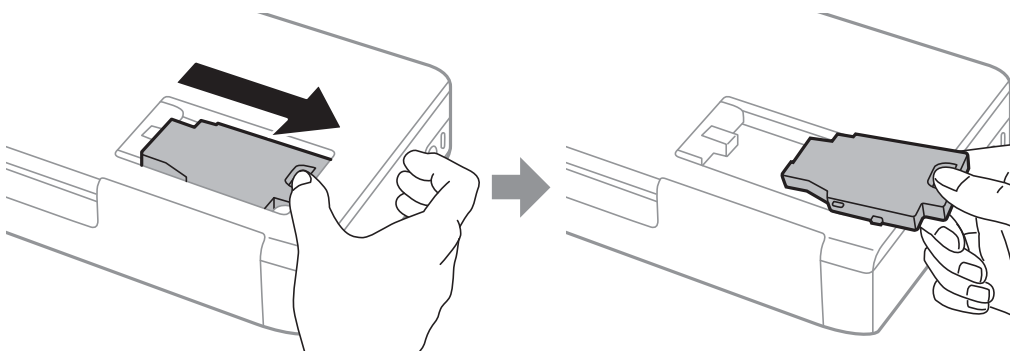
4. Close the printer cover, and then turn the printer over.



5. Push the tab on the cover using a narrow object such as a pen, and then remove the maintenance box cover.

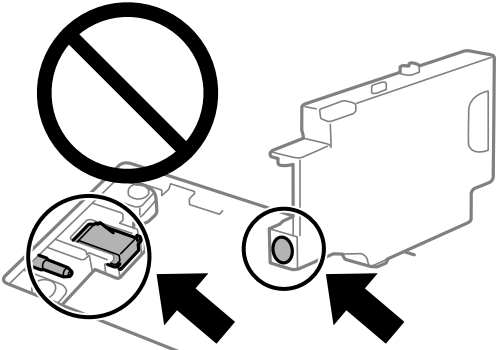


6. Slide the maintenance box as shown in the illustration, and then remove the box.



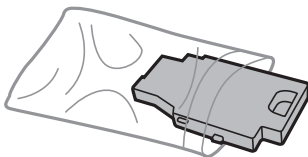
Replacing Ink Cartridges and Other Consumables

! **Important:**
Do not touch the sections shown in the illustration. Doing so may prevent normal operation and you may get smeared with ink.



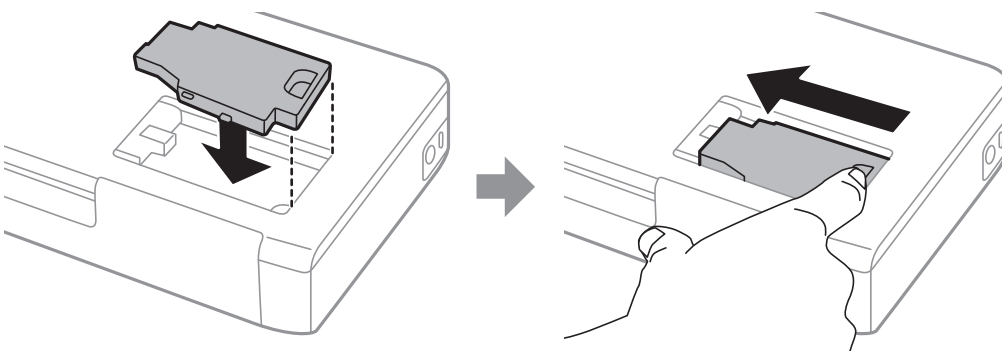
The diagram shows a maintenance box with a large 'no touch' symbol (a circle with a diagonal slash) over it. Two smaller circles highlight specific internal components, with arrows pointing to them from below. This indicates that these areas should not be touched.

- Put the used maintenance box in the transparent bag that came with the new maintenance box and seal the bag shut.



! **Important:**
Do not remove the film on the maintenance box.

- Place the new maintenance box straight down, and then slide it to install it.



- Reattach the maintenance box cover.

Note:

When the maintenance box cover cannot be reattached, the maintenance box may not be installed correctly. Remove the maintenance box, and re-install it.

Related Information

- ➔ [“Maintenance Box Code” on page 97](#)
- ➔ [“Maintenance Box Handling Precautions” on page 98](#)

Temporarily Printing with Black Ink

When color ink is expended and black ink still remains, you can use the following settings to continue printing for a short time using only black ink.

- Type of paper: plain papers, Envelope
- Color: **Grayscale**
- Borderless: Not selected
- EPSON Status Monitor 3: Enabled (for Windows only)

Because this feature is only available for approximately five days, replace the expended ink cartridge as soon as possible.

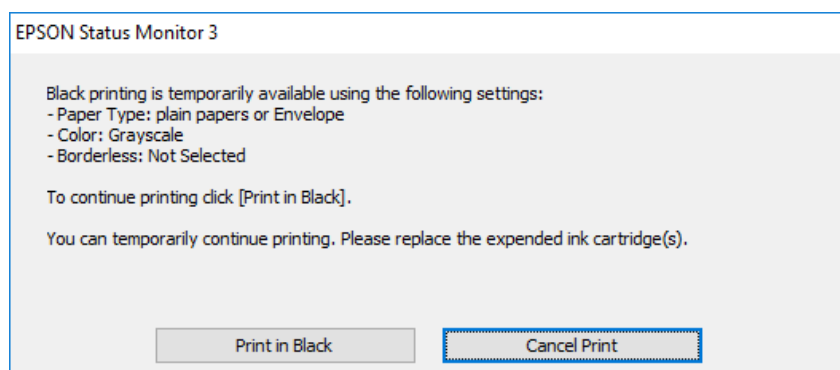
Note:

- If **EPSON Status Monitor 3** is disabled, access the printer driver, click **Extended Settings** on the **Maintenance** tab, and then select **Enable EPSON Status Monitor 3**.
- The available period varies depending on the usage conditions.

Temporarily Printing with Black Ink - Windows

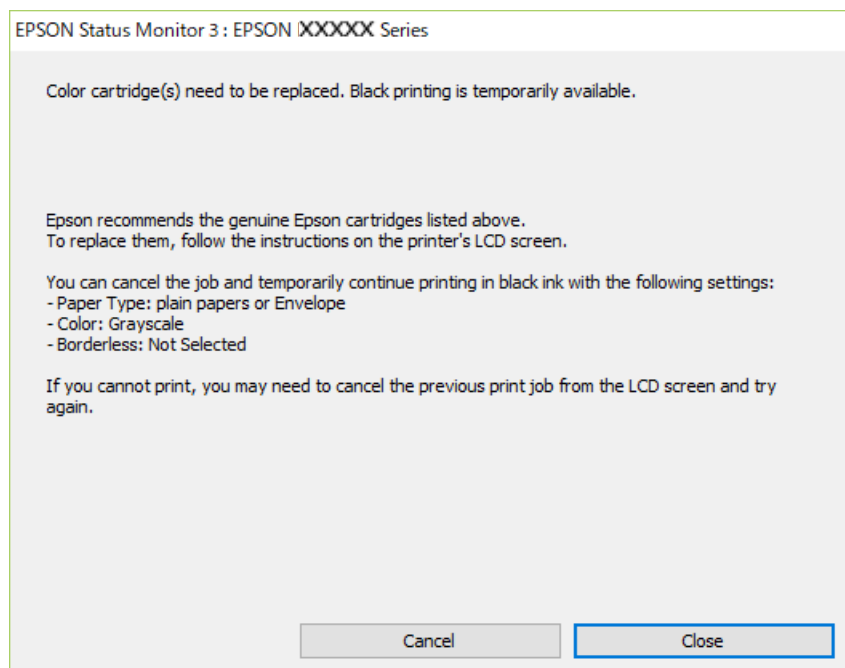
Do one of the following.

- When the following window is displayed, select **Print in Black**.



Replacing Ink Cartridges and Other Consumables

- When the following window is displayed, cancel printing. And then, printing again.



Note:

If you cannot cancel printing from the computer, cancel using the printer's control panel.

Follow the steps below when printing again.

1. Access the printer driver window.
2. Clear **Borderless** on the **Main** tab.
3. Select **plain papers** or **Envelope** as the **Paper Type** setting on the **Main** tab.
4. Select **Grayscale**.
5. Set the other items on the **Main** and **More Options** tabs as necessary, and then click **OK**.
6. Click **Print**.
7. Click **Print in Black** in the window displayed.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Windows” on page 62](#)

Continue printing temporarily with only black ink(Mac OS)

Note:

*To use this feature through a network, connect with **Bonjour**.*

1. Click the printer icon in the **Dock**.

Replacing Ink Cartridges and Other Consumables

2. Cancel the job.

Note:

If you cannot cancel printing from the computer, cancel using the printer's control panel.

3. Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies > Options** (or **Driver**).
4. Select **On** as the **Permit temporary black printing** setting.
5. Access the print dialog.
6. Select **Print Settings** from the pop-up menu.
7. Select any paper size except for a borderless size as the **Paper Size** setting.
8. Select **plain papers** or **Envelope** as the **Media Type** setting.
9. Select **Grayscale**.
10. Set the other items as necessary.
11. Click **Print**.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printing Basics - Mac OS” on page 63](#)

Conserving Black Ink when the Black Ink Is Low (for Windows Only)

When black ink is running low and there is enough color ink remaining, you can use a mixture of color inks to create black. You can continue printing while preparing a replacement black ink cartridge.

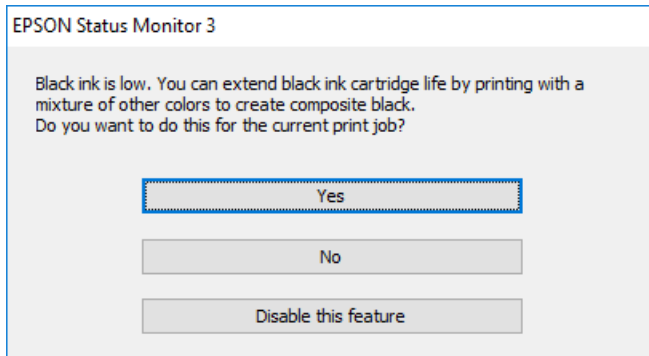
This feature is only available when you select the following settings in the printer driver.

- Paper Type: **plain papers**
- Quality: **Standard**
- EPSON Status Monitor 3: Enabled

Replacing Ink Cartridges and Other Consumables

Note:

- ❑ If **EPSON Status Monitor 3** is disabled, access the printer driver, click **Extended Settings** on the **Maintenance** tab, and then select **Enable EPSON Status Monitor 3**.
- ❑ Composite black looks slightly different from pure black. In addition, the print speed is reduced.
- ❑ To maintain the quality of the print head, black ink is also consumed.



Options	Description
Yes	Select to use a mixture of color inks to create black. This window is displayed the next time you print a similar job.
No	Select to continue using the remaining black ink. This window is displayed the next time you print a similar job.
Disable this feature	Select to continue using the remaining black ink. This window is not displayed until you replace the black ink cartridge and it runs low again.

Maintaining the Printer


Checking and Cleaning the Print Head

If the nozzles are clogged, the printouts become faint, there is visible banding, or unexpected colors appear. When print quality has declined, use the nozzle check feature and check if the nozzles are clogged. If the nozzles are clogged, clean the print head.

**Important:**

Do not open the inner cover or turn off the printer during head cleaning. If the head cleaning is incomplete, you may not be able to print.

Note:

- Because print head cleaning uses some ink, clean the print head only if quality declines.
- When ink is low, you may not be able to clean the print head.
- If print quality has not improved after repeating nozzle check and head cleaning about two times, wait for at least six hours without printing, and then run the nozzle check again and repeat the head cleaning if necessary. We recommend to turn off the printer. If print quality has still not improved, contact Epson support.
- To prevent the print head from drying out, always turn the printer off by pressing the  button.
- To keep the print head operating at its best, we recommend printing a few pages on a regular basis.

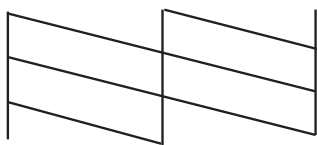
Checking and Cleaning the Print Head - Control Panel

1. Load A4-size plain paper in the printer.
2. Enter **Menu** from the home screen.
3. Select **Maintenance > Nozzle Check**.
4. Follow the on-screen instructions to print the nozzle check pattern.

Note:

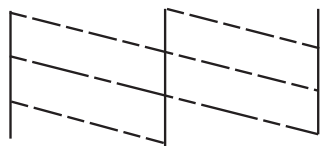
The test pattern may vary by model.

5. Compare the printed check pattern with the sample shown below.
 - All lines are printed: The print head nozzles are not clogged. Close the nozzle check feature.



Maintaining the Printer

- ❑ There are broken lines or missing segments: The print head nozzles may be clogged. Go to the next step.



6. Follow the on-screen instructions to clean the print head.
7. When cleaning is finished, print the nozzle check pattern again. Repeat cleaning and printing the pattern until all lines are printed completely.

Checking and Cleaning the Print Head - Windows

1. Load A4-size plain paper in the printer.
2. Access the printer driver window.
3. Click **Nozzle Check** on the **Maintenance** tab.
4. Follow the on-screen instructions.

Related Information

- ➔ [“Windows Printer Driver” on page 112](#)

Checking and Cleaning the Print Head - Mac OS

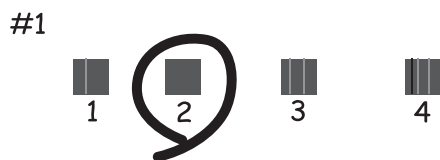
1. Load A4-size plain paper in the printer.
2. Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer.
3. Click **Options & Supplies** > **Utility** > **Open Printer Utility**.
4. Click **Nozzle Check**.
5. Follow the on-screen instructions.

Aligning the Print Head

If you notice a misalignment of vertical lines or blurred images, align the print head.

Aligning the Print Head - Control Panel

1. Load A4-size plain paper in the printer.
2. Enter **Menu** from the home screen.
3. Select **Maintenance > Head Alignment**.
4. Select the adjustment menu you want to adjust to improve the printouts according to the status of the print results.
 - Vertical Alignment: Select this if your printouts look blurry or vertical ruled lines appear misaligned.
 - Horizontal Alignment: Select this if you see horizontal banding at regular intervals.
5. Follow the on-screen instructions.
 - Vertical Alignment: Find and enter the number for the most solid pattern in each group.



- Horizontal Alignment: Find and enter the number for the least separated and overlapping pattern.



Note:

The test pattern may vary by model.

Cleaning the Paper Path

When the printouts are smeared or scuffed or paper does not feed correctly, clean the roller inside.



Important:

Do not use tissue paper to clean the inside of the printer. The print head nozzles may be clogged with lint.

Maintaining the Printer

1. Load paper for cleaning in the printer.
 - Load A4-size plain paper to clear a smearing or scuffing problem.
 - Load the cleaning sheet to clear a paper feeding problem.
2. Enter **Menu** from the home screen.
3. Select **Maintenance > Paper Guide Cleaning**.
4. Follow the on-screen instructions to clean the paper path.

Note:

 - Repeat this procedure until the paper is not smeared with ink.
 - To clear a paper feeding problem, repeat this procedure two or three times.
 - The cleaning sheet loses its effect when used three times or more.

Network Service and Software Information

This section introduces the network services and software products available for your printer from the Epson website or the supplied software disc.

Epson Connect Service

By using Epson Connect service available on the Internet, you can print from your smartphone, tablet PC, or laptop, anytime and practically anywhere.

The features available on the Internet are as follows.

Email Print	Epson iPrint remote print	Scan to Cloud	Remote Print Driver
✓	✓	-	✓

See the Epson Connect portal website for details.

<https://www.epsonconnect.com/>

<http://www.epsonconnect.eu> (Europe only)

Application for Configuring Printer Operations (Web Config)

Web Config is an application that runs in a web browser, such as Internet Explorer and Safari, on a computer or smart device. You can confirm the printer status or change the network service and printer settings. To use the Web Config, connect the printer and the computer or device to the same network.

The following browsers are supported.

OS	Browser
Windows XP SP3 or later	Microsoft Edge, Internet Explorer 8 or later, Firefox*, Chrome*
Mac OS X v10.6.8 or later	Safari*, Firefox*, Chrome*
iOS*	Safari*
Android 2.3 or later	Default browser
Chrome OS*	Default browser

* Use the latest version.

Running Web Config on a Web Browser

1. Check the printer's IP address.

Select **Menu > Network Settings > Print Status Sheet** from the control panel, and then press the OK button. Check the printer's IP address on the printed status sheet.

2. Launch a Web browser from a computer or smart device, and then enter the printer's IP address.

Format:

IPv4: http://the printer's IP address/

IPv6: http://[the printer's IP address]/

Examples:

IPv4: http://192.168.100.201/

IPv6: http://[2001:db8::1000:1]/

Note:

Using the smart device, you can also run Web Config from the maintenance screen of Epson iPrint.

Related Information

➔ [“Using Epson iPrint” on page 79](#)

Running Web Config on Windows

When connecting a computer to the printer using WSD, follow the steps below to run Web Config.

1. Open the printer list on the computer.

- Windows 10

Click on the start button, and then select **Windows System > Control Panel > View devices and printers in Hardware and Sound**.

- Windows 8.1/Windows 8

Select **Desktop > Settings > Control Panel > View devices and printers in Hardware and Sound (or Hardware)**.

- Windows 7

Click the start button, and select **Control Panel > View devices and printers in Hardware and Sound**.

- Windows Vista

Click the start button, and select **Control Panel > Printers in Hardware and Sound**.

2. Right-click on your printer and select **Properties**.

3. Select the **Web Service** tab and click the URL.

Running Web Config on Mac OS

1. Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer.

2. Click **Options & Supplies > Show Printer Webpage**.

Necessary Applications

Windows Printer Driver

The printer driver controls the printer according to the commands from an application. Making settings on the printer driver provides the best printing results. You can also check the status of the printer or keep it in top operating condition using the printer driver utility.

Note:

You can change the language of the printer driver. Select the language you want to use from the **Language** setting on the **Maintenance** tab.

Accessing the printer driver from applications

To make settings that apply only to the application you are using, access from that application.

Select **Print** or **Print Setup** from the **File** menu. Select your printer, and then click **Preferences** or **Properties**.

Note:

Operations differ depending on the application. See the application's help for details.

Accessing the printer driver from the control panel

To make settings that apply to all of the applications, access from the control panel.

- Windows 10/Windows Server 2019/Windows Server 2016

Click on the start button, and then select **Windows System > Control Panel > View devices and printers in Hardware and Sound**. Right-click on your printer, or press and hold it and then select **Printing preferences**

- Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012

Select **Desktop > Settings > Control Panel > View devices and printers in Hardware and Sound**. Right-click on your printer, or press and hold it and then select **Printing preferences**.

- Windows 7/Windows Server 2008 R2

Click the start button, and select **Control Panel > View devices and printers in Hardware and Sound**. Right-click on your printer and select **Printing preferences**.

- Windows Vista/Windows Server 2008

Click the start button, and select **Control Panel > Printers in Hardware and Sound**. Right-click on your printer and select **Select printing preferences**.

- Windows XP/Windows Server 2003 R2/Windows Server 2003

Click the start button, and select **Control Panel > Printers and Other Hardware > Printers and Faxes**. Right-click on your printer and select **Printing preferences**.

Accessing the printer driver from the printer icon on the task bar

The printer icon on the desktop task bar is a shortcut icon allowing you to quickly access the printer driver.

If you click the printer icon and select **Printer Settings**, you can access the same printer settings window as the one displayed from the control panel. If you double-click this icon, you can check the status of the printer.

Network Service and Software Information

Note:

If the printer icon is not displayed on the task bar, access the printer driver window, click **Monitoring Preferences** on the **Maintenance** tab, and then select **Register the shortcut icon to the taskbar**.

Starting the utility

Access the printer driver window. Click the **Maintenance** tab.

Restricting Settings for the Windows Printer Driver

You can lock some settings of the printer driver so that other users cannot change them.

Note:

Log on to your computer as an administrator.

1. Open the **Optional Settings** tab in printer properties.
 - Windows 10/Windows Server 2019/Windows Server 2016
Click on the start button, and then select **Windows System > Control Panel > View devices and printers in Hardware and Sound**. Right-click on your printer, or press and hold it and then select **Printer properties**. Click the **Optional Settings** tab.
 - Windows 8.1/Windows 8/Windows Server 2012R2/Windows Server 2012
Select **Desktop > Settings > Control Panel > View devices and printers in Hardware and Sound**. Right-click on your printer, or press and hold it and then select **Printer properties**. Click the **Optional Settings** tab.
 - Windows 7/Windows Server 2008 R2
Click the start button, and select **Control Panel > View devices and printers in Hardware and Sound**. Right-click on your printer, and then select **Printer properties**. Click the **Optional Settings** tab.
 - Windows Vista/Windows Server 2008
Click the start button, and select **Control Panel > Printers in Hardware and Sound**. Right-click on your printer, and then select **Properties**. Click the **Optional Settings** tab.
 - Windows XP/Windows Server 2003 R2/Windows Server 2003
Click the start button, and select **Control Panel > Printers and Other Hardware > Printers and Faxes**. Right-click on your printer, and then select **Properties**. Click the **Optional Settings** tab.
2. Click **Driver Settings**.
3. Select the feature that you want to restrict.
See the online help for explanations of the setting items.
4. Click **OK**.

Making Operation Settings for the Windows Printer Driver

You can make settings such as enabling **EPSON Status Monitor 3**.

1. Access the printer driver window.
2. Click **Extended Settings** on the **Maintenance** tab.

Network Service and Software Information

3. Make the appropriate settings, and then click **OK**.
See the online help for explanations of the setting items.

Related Information

➔ [“Windows Printer Driver” on page 112](#)

Mac OS Printer Driver

The printer driver controls the printer according to the commands from an application. Making settings on the printer driver provides the best printing results. You can also check the status of the printer or keep it in top operating condition using the printer driver utility.

Accessing the printer driver from applications

Click **Page Setup** or **Print** on the **File** menu of your application. If necessary, click **Show Details** (or ▼) to expand the print window.

Note:

*Depending on the application being used, **Page Setup** may not be displayed in the **File** menu, and the operations for displaying the print screen may differ. See the application's help for details.*

Starting the utility

Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies** > **Utility** > **Open Printer Utility**.

Making Operation Settings for the Mac OS Printer Driver

Accessing the Operation Settings Window of the Mac OS Printer Driver

Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies** > **Options** (or **Driver**).

Operation Settings of the Mac OS Printer Driver

- Skip Blank Page: Avoids printing blank pages.
- Quiet Mode: Reduces the noise the printer makes, however, this may reduce print speed. Depending on the paper type and print quality settings you selected, there may be no difference in the printer's noise level.
- Permit temporary black printing: Prints only with black ink temporarily.
- High Speed Printing: Prints when the print head moves in both directions. The print speed is faster, but the quality may decline.
- Warning Notifications: Allows the printer driver to display warning notifications.
- Establish bidirectional communication: Usually, this should be set to **On**. Select **Off** when acquiring the printer information is impossible because the printer is shared with Windows computers on a network or for any other reason.

Related Information

➔ [“Temporarily Printing with Black Ink” on page 102](#)

Application for Printing Images (Epson Photo+)

Epson Photo+ is an application that allows you to easily print images with a variety of layouts. You can also perform image correction and adjust the position while viewing a preview of your document. You can also brighten up your images by adding text and stamps wherever you like. When printing on genuine Epson photo paper, the ink performance is maximized creating a beautiful finish with excellent coloring.

See the application's help for details.

Note:

- Windows Server operating systems are not supported.*
- To use this application the printer driver for this printer must be installed.*

Starting on Windows

- Windows 10

Click the start button, and then select **Epson Software > Epson Photo+**.

- Windows 8.1/Windows 8

Enter the application name in the search charm, and then select the displayed icon.

- Windows 7/Windows Vista/Windows XP

Click the start button, and select **All Programs** or **Programs > Epson Software > Epson Photo+**.

Starting on Mac OS

Select **Go > Applications > Epson Software > Epson Photo+**.

Related Information

➔ [“Installing Applications” on page 118](#)

Software Update Tools (EPSON Software Updater)

EPSON Software Updater is an application that checks for new or updated software on the internet and installs it. You can also update the printer's firmware and manual.

Note:

Windows Server operating systems are not supported.

Installing Method

Download EPSON Software Updater from the Epson website.

If you are using a Windows computer and cannot to download it from the website, you can install it from the supplied software disc.

<http://www.epson.com>

Network Service and Software Information

Starting on Windows

Windows 10

Click the start button, and then select **Epson Software > EPSON Software Updater**.

Windows 8.1/Windows 8

Enter the application name in the search charm, and then select the displayed icon.

Windows 7/Windows Vista/Windows XP

Click the start button, and then select **All Programs** or **Programs > Epson Software > EPSON Software Updater**.

Note:

You can also start EPSON Software Updater by clicking the printer icon on the task bar on the desktop, and then selecting Software Update.

Starting on Mac OS

Select **Go > Applications > Epson Software > EPSON Software Updater**.

Application for Configuring Multiple Devices (EpsonNet Config)

EpsonNet Config is an application that allows you to set the network interface addresses and protocols. See the operations guide for EpsonNet Config or the application's help for more details.

Starting on Windows

Windows 10/Windows Server 2019/Windows Server 2016

Click the start button, and then select **EpsonNet > EpsonNet Config**.

Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012

Enter the application name in the search charm, and then select the displayed icon.

Windows 7/Windows Vista/Windows XP/Windows Server 2008 R2/Windows Server 2008/Windows Server 2003 R2/Windows Server 2003

Click the start button, and select **All Programs** or **Programs > EpsonNet > EpsonNet Config SE > EpsonNet Config**.


Starting on Mac OS

Go > Applications > Epson Software > EpsonNet > EpsonNet Config SE > EpsonNet Config.

Uninstalling Applications

Log in to your computer as an administrator. Enter the administrator password if the computer prompts you.

Uninstalling Applications - Windows

1. Press the  button to turn off the printer.
2. Quit all running applications.

Network Service and Software Information

3. Open **Control Panel**:

- Windows 10/Windows Server 2019/Windows Server 2016

Click on the start button, and then select **Windows System > Control Panel**.

- Windows 8.1/Windows 8/Windows Server 2012 R2/Windows Server 2012

Select **Desktop > Settings > Control Panel**.

- Windows 7/Windows Vista/Windows XP/Windows Server 2008 R2/Windows Server 2008/Windows Server 2003 R2/Windows Server 2003

Click the start button and select **Control Panel**.

4. Open **Uninstall a program** (or **Add or Remove Programs**):

- Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Vista/Windows Server 2019/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008

Select **Uninstall a program** in **Programs**.

- Windows XP/Windows Server 2003 R2/Windows Server 2003

Click **Add or Remove Programs**.

5. Select the application you want to uninstall.

You cannot uninstall the printer driver if there is any print jobs. Delete or wait to be printed the jobs before uninstalling.

6. Uninstall the applications:

- Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Vista/Windows Server 2019/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008

Click **Uninstall/Change** or **Uninstall**.

- Windows XP/Windows Server 2003 R2/Windows Server 2003

Click **Change/Remove** or **Remove**.

Note:

If the **User Account Control** window is displayed, click **Continue**.

7. Follow the on-screen instructions.

Uninstalling Applications - Mac OS

1. Download the Uninstaller using EPSON Software Updater.

Once you have downloaded the Uninstaller, you do not need to download it again each time you uninstall the application.

2. Press the button to turn off the printer.


3. To uninstall the printer driver, select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then remove the printer from the enabled printers list.

4. Quit all running applications.

5. Select **Go > Applications > Epson Software > Uninstaller**.

Network Service and Software Information

6. Select the application you want to uninstall, and then click **Uninstall**.

 **Important:**

The Uninstaller removes all drivers for Epson inkjet printers on the computer. If you use multiple Epson inkjet printers and you only want to delete some drivers, delete all of them first, and then install the necessary printer driver again.

Note:

*If you cannot find the application you want to uninstall in the application list, you cannot uninstall using the Uninstaller. In this situation, select **Go > Applications > Epson Software**, select the application you want to uninstall, and then drag it to the trash icon.*

Related Information

- ➔ [“Software Update Tools \(EPSON Software Updater\)” on page 115](#)

Installing Applications

Connect your computer to the network and install the latest version of applications from the website.

Note:

- Log on to your computer as an administrator. Enter the administrator password if the computer prompts you.
- When reinstalling an application, you need to uninstall it first.

1. Quit all running applications.
2. When installing the printer driver, disconnect the printer and the computer temporarily.

Note:

Do not connect the printer and the computer until you are instructed to do so.

3. Access to the following website, and then enter the product name.

<http://epson.sn>

4. Select **Setup**, and then click **Download**.
5. Click or double-click the downloaded file, and then follow the on-screen instructions.

Note:

If you are using a Windows computer and you cannot download applications from the website, install them from the software disc that came with the printer.

Related Information

- ➔ [“Uninstalling Applications” on page 116](#)

Updating Applications and Firmware

You may be able to clear certain problems and improve or add functions by updating the applications and the firmware. Make sure you use the latest version of the applications and firmware.

Network Service and Software Information

1. Connect the AC adapter to the printer.
2. Make sure that the printer and the computer are connected, and the computer is connected to the internet.
3. Start EPSON Software Updater, and update the applications or the firmware.



Important:

Do not turn off the computer or the printer until the update is complete; otherwise, the printer may malfunction.

Note:

If you cannot find the application you want to update in the list, you cannot update using the EPSON Software Updater. Check for the latest versions of the applications from your local Epson website.

<http://www.epson.com>

Related Information

- ➔ [“Software Update Tools \(EPSON Software Updater\)” on page 115](#)

Solving Problems

Checking the Printer Status

You can check error messages and the approximate ink levels on the LCD screen or the computer.

Checking the Error Codes on the LCD Screen

A code is displayed on the LCD screen if there is an error or information that requires your attention.

Code	Situation	Solutions
E-01	A printer error has occurred.	Remove any paper or protective material in the printer. If the error message is still displayed even after turning off and then on again, contact Epson support.
E-11	An ink pad needs to be replaced.	Contact Epson or an authorised Epson service provider to replace the ink pad*. It is not a user-serviceable part.
E-12	A maintenance box becomes full. You need to replace the maintenance box.	Turn the power off, and then replace it with a new maintenance box.
E-13	A maintenance box is not installed or not installed correctly.	Turn the power off, and then install the maintenance box.
E-14	A maintenance box is not recognized.	Turn the power off, and then install the maintenance box again. If the message continues to be displayed even after reinstalling the maintenance box, replace it with a new maintenance box.
E-21 E-25	A battery error has occurred. The printer is turned off automatically.	Contact Epson support. E-21 is a built-in battery error, and E-25 is an optional external battery error.
E-22 E-26	The battery is too cold to be used. The printer is turned off automatically.	Use this printer at a temperature of 10 to 35 °C. E-22 and E-23 are built-in battery errors, and E-26 and E-27 are external battery errors.
E-23 E-27	The battery is too hot to be used. The printer is turned off automatically.	
E-24	The battery is too low to be used. The printer is turned off automatically.	Charge the battery or connect the AC adapter to the printer.
W-01	A paper jam has occurred in the rear paper feed.	Remove the jammed paper and press the OK button.
W-02	A paper jam has occurred inside the printer.	

Solving Problems

Code	Situation	Solutions
W-11	An ink pad is nearing the end of its service life.	Contact Epson or an authorised Epson service provider to replace the ink pad*. It is not a user-serviceable part. The message will be displayed until the ink pad is replaced. Press the OK button to resume printing.
W-12	Ink cartridge is not installed correctly.	Press down each of the ink cartridges gently. Make sure they click into place.
W-13	Installed ink cartridge is cannot be used with this printer.	Replace the ink cartridges with the ones compatible with this printer.
I-22	Set the Wi-Fi from the Push Button (WPS) .	Push the access point button. If there is no button on the access point, open the access point setting window, and then click the button displayed in the software.
I-23	Set the Wi-Fi from the PIN Code (WPS) .	Enter the PIN code displayed on the LCD screen into the access point or computer within two minutes.
I-31	Set the Wi-Fi from the Wi-Fi Auto Connect .	Install the software on your computer, and then press the OK button when Wi-Fi setup starts.
I-41	Paper Configuration is disabled. Some functions cannot be used.	If the Paper Configuration is disabled, you cannot use AirPrint. In addition, a message notifying you of paper size and type mismatch is not displayed. Keep the setting enabled unless you always use the same size and type of paper, and do not need to change the paper settings.
I-81	The printer is switching to built-in battery mode because the AC adapter is not connected, the external battery has been removed, there is not enough power in the battery, or a battery error has occurred.	The print speed may be slower when the printer is in built-in battery mode. Connect the AC adapter to the printer or install the external battery when you do not want to change the print speed.
-	Ink is low.	You can continue printing until you are prompted to replace the ink cartridge(s). However, note that the printer cannot print if any one of the ink cartridges is expended. Prepare new cartridge(s) as soon as possible.
-	Ink is expended and you need to replace the ink cartridges.	To ensure you receive premium print quality and to help protect your print head, a variable ink safety reserve remains in the cartridge when your printer indicates it is time to replace the cartridge. Replace the cartridge when you are prompted to do so.
-	A non-genuine battery is installed.	Remove the external battery.
Recovery Mode	The printer has started in recovery mode because the firmware update failed.	Follow the steps below to try to update the firmware again. 1. Connect the printer with the AC adapter. 2. Connect the computer and the printer with a USB cable. (During recovery mode, you cannot update the firmware over a network connection.) 3. Visit your local Epson website for further instructions.

* In some print cycles a very small amount of surplus ink may be collected in the ink pad. To prevent ink leakage from the pad, the printer is designed to stop printing when the pad has reached its limit. Whether and how often this is required will vary according to the number of pages you print, the type of material that you print and the number of cleaning cycles that the printer performs. The need for replacement of the pad does not mean that your

Solving Problems

printer has ceased to operate in accordance with its specifications. The printer will advise you when the pad requires replacing and this can only be performed by an authorised Epson Service provider. The Epson warranty does not cover the cost of this replacement.

Related Information

- ➔ [“Contacting Epson Support” on page 147](#)
- ➔ [“Charging the Built-in Battery” on page 83](#)
- ➔ [“Installing Applications” on page 118](#)
- ➔ [“Updating Applications and Firmware” on page 118](#)
- ➔ [“Replacing Ink Cartridges” on page 95](#)

Checking the Printer Status - Windows

1. Access the printer driver window.
2. Click **EPSON Status Monitor 3** on the **Maintenance** tab, and then click **Details**.

Note:

*If EPSON Status Monitor 3 is disabled, click **Extended Settings** on the **Maintenance** tab, and then select **Enable EPSON Status Monitor 3**.*

Related Information

- ➔ [“Windows Printer Driver” on page 112](#)

Checking the Printer Status - Mac OS

1. Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan**, **Print & Fax**), and then select the printer.
2. Click **Options & Supplies** > **Utility** > **Open Printer Utility**.
3. Click **EPSON Status Monitor**.

You can check the printer status, ink levels, and error status.

Removing Jammed Paper

Check the error displayed on the control panel and follow the instructions to remove the jammed paper including any torn pieces. Next, clear the error.

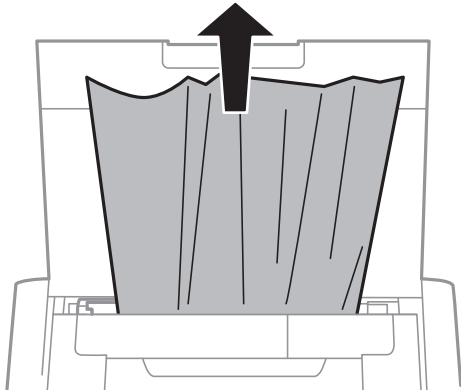


Important:

Remove the jammed paper carefully. Removing the paper vigorously may cause damage to the printer.

Removing Jammed Paper from the Rear Paper Feed

Remove the jammed paper.



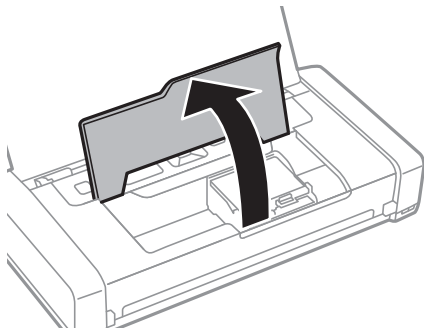
Removing Jammed Paper from Inside the Printer



Caution:

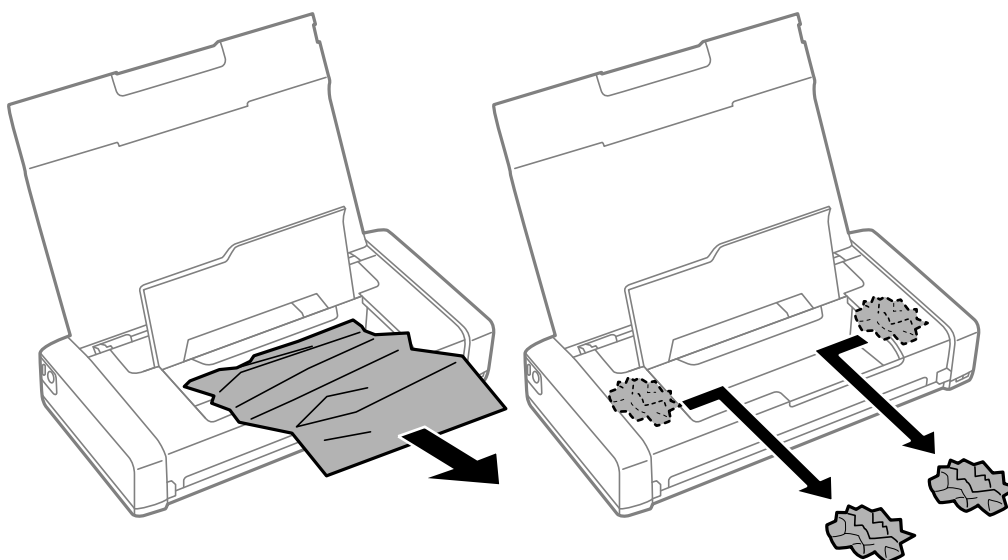
Never touch the buttons on the control panel while your hand is inside the printer. If the printer starts operating, it could cause an injury. Be careful not to touch the protruding parts to avoid injury.

1. Open the inner cover.



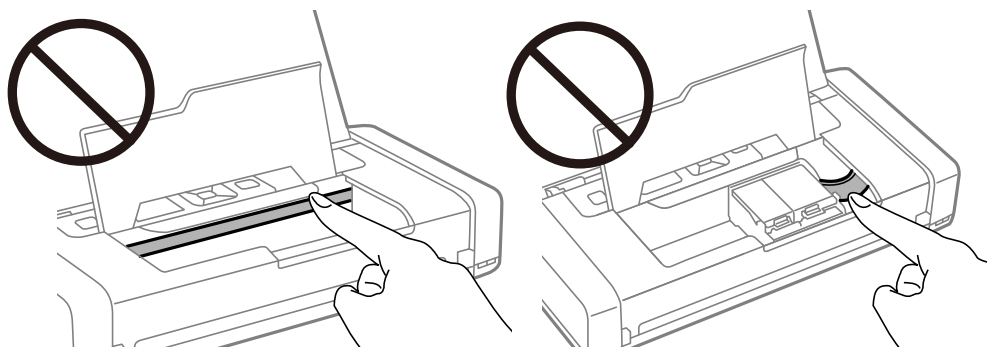
Solving Problems

- Remove the jammed paper.



! **Important:**

Do not touch the white flat cable or translucent part inside the printer. Doing so may cause a malfunction.



- Close the inner cover.

Paper Does Not Feed Correctly

Check the following if the paper jams, paper feeds at a slant, several sheets of paper feed at a time, no paper feeds, or paper is ejected.

- Place the printer on a flat surface and operate in the recommended environmental conditions.
- The battery may be running low. Connect the AC adapter to the printer or install the optional external battery.
- Use paper supported by this printer.
- Follow the paper handling precautions.
- Load paper in the correct direction, and slide the edge guide against the edge of the paper.
- Do not load more than the maximum number of sheets specified for the paper.
- When a paper out error occurs although paper is loaded in the printer, reload paper against the right edge of the rear paper feed.

Solving Problems


- ❑ Load one sheet of paper at a time when loading multiple sheets of paper.
- ❑ When multiple sheets of paper feed at once during manual 2-sided printing, remove any paper which is loaded in the paper source before you reload the paper.
- ❑ Load and eject paper without printing to clean the paper path.
- ❑ Make sure the paper size and paper type settings of the paper source are correct.

Related Information




- ➔ [“Environmental Specifications” on page 144](#)
- ➔ [“Available Paper and Capacities” on page 54](#)
- ➔ [“Paper Handling Precautions” on page 53](#)
- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Cleaning the Paper Path” on page 108](#)

Power and Control Panel Problems

Power Does Not Turn On

- ❑ Make sure the power cord is securely plugged in.
- ❑ Hold down the  button for a little longer.
- ❑ When you cannot turn on the printer when running on battery power, the battery may be running low. Connect the AC adapter, or charge the battery and then turn on the printer again.
- ❑ When the power light is on but the LCD screen is not displayed, the printer may not have been turned off correctly. Try the solution to the problem that occurs when the power does not turn off.

Power Does Not Turn Off

Disconnect the AC adapter and the USB cable. Hold down the  button and the  button at the same time for more than seven seconds, and then release both the buttons. To prevent the print head from drying out, turn the printer back on and turn it off by pressing the  button.

LCD Screen Gets Dark

The printer is in sleep mode. Press any button on the control panel to return the LCD screen to its former state.

Power Turns Off Suddenly when the Printer Is Running on the Battery

- ❑ The printer turns off when no operations have not been performed. Turn on the printer again.
- ❑ Check the battery level. If the battery level is low, connect the AC adapter to the printer or charge the battery.

Solving Problems

Cannot Charge the Battery from a Computer

- Select **Menu > Battery > Battery Settings** on the control panel, and then enable **USB Power Supply via PC**.
- Make sure the printer is off or in sleep mode.
- Turn on the computer. Wake the computer if it is in hibernate or sleep mode.
- You cannot charge the battery using a USB hub. Connect the printer directly to the computer.
- The computer may be configured not to allow other devices to charge when the computer is running on its battery. Check the computer's settings.
- The optional external battery cannot be charged from a computer. Charge it using the AC adapter.

Related Information

- ➔ [“Charging the Built-in Battery with a USB Connection” on page 84](#)

Optional External Battery is Not Recognized

When the screen below is displayed, turn off the printer, connect the AC adapter, and then turn on the printer.



Cannot Print from a Computer

Checking the Connection (USB)

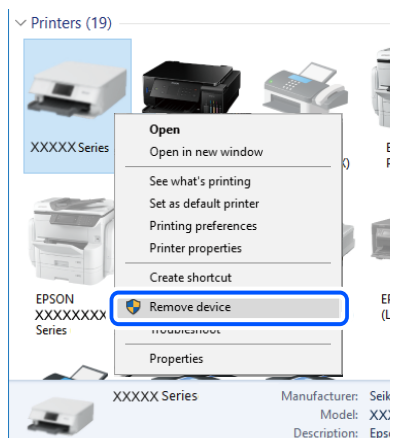
- Place the printer on a flat surface and operate in the recommended environmental conditions.
- Connect the USB cable securely to the printer and the computer.
- If you are using a USB hub, try to connect the printer directly to the computer.
- If the USB cable cannot be recognized, change the port, or change the USB cable.

Solving Problems

- ❑ If the printer cannot print using a USB connection, try the following.

Disconnect the USB cable from the computer. Right-click on the printer icon displayed on the computer, and then select **Remove Device**. Next, connect the USB cable to the computer and try a test print.

Re-set the USB connection by following the steps in this manual for changing the connection method to a computer. See the related information link below for details.



- ❑ Select **Menu > Battery > Battery Settings** on the control panel, and then disable **USB Power Supply via PC**.

Related Information

- ➔ [“Changing the Connection Method to a Computer” on page 48](#)

Checking the Connection (Network)

- ❑ When you have changed your wireless router or provider, try making network settings for the printer again. Connect the computer or smart device to the same SSID as the printer.
- ❑ Turn off the devices you want to connect to the network. Wait for about 10 seconds, and then turn on the devices in the following order; wireless router, computer or smart device, and then printer. Move the printer and computer or smart device closer to the wireless router to help with radio wave communication, and then try to make network settings again.
- ❑ Print the network connection report. See the related information link below for details. If the report shows that the network connection failed, check the network connection report and then follow the printed solutions.
- ❑ If the IP address assigned to the printer is 169.254.XXX.XXX, and the subnet mask is 255.255.0.0, the IP address may not be assigned correctly. Restart the wireless router or reset the network settings for the printer. If this does not solve the problem, see the documentation for the wireless router.
- ❑ Try accessing any website from your computer to make sure that your computer's network settings are correct. If you cannot access any website, there is a problem on the computer. Check the network connection of the computer.

Checking the Software and Data

- ❑ Make sure that a genuine Epson printer driver is installed. If a genuine Epson printer driver is not installed, the available functions are limited. We recommend using a genuine Epson printer driver. See the related information link below for details.

Solving Problems

- ❑ If you are printing a large data size image, the computer may run out of memory. Print the image at a lower resolution or a smaller size.

Checking for Genuine Epson Printer Drivers

You can check if a genuine Epson printer driver is installed on your computer by using one of the following methods.

Windows

Select **Control Panel > View devices and printers (Printers, Printers and Faxes)**, and then do the following to open the print server properties window.

- ❑ Windows 10/Windows 8.1/Windows 8/Windows 7/Windows Server 2019/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2

Click the printer icon, and then click **Print server properties** at the top of the window.

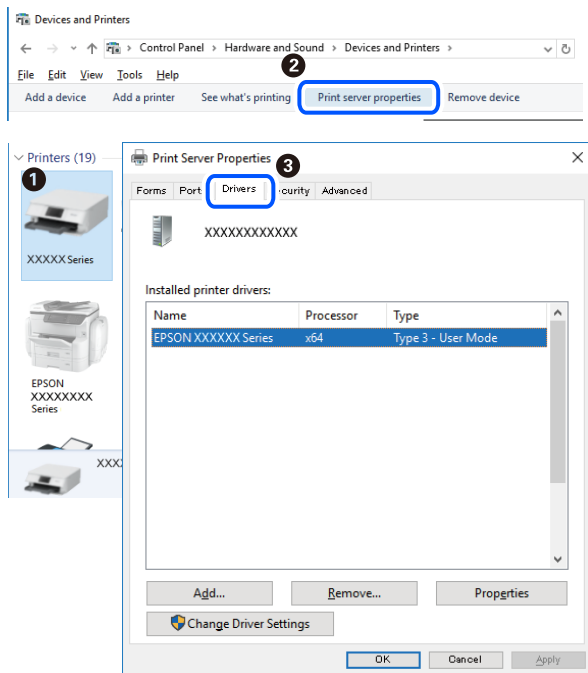
- ❑ Windows Vista/Windows Server 2008

Right-click on the **Printers** folder, and then click **Run as administrator > Server Properties**.

- ❑ Windows XP/Windows Server 2003 R2/Windows Server 2003

From the **File** menu, select **Server Properties**.

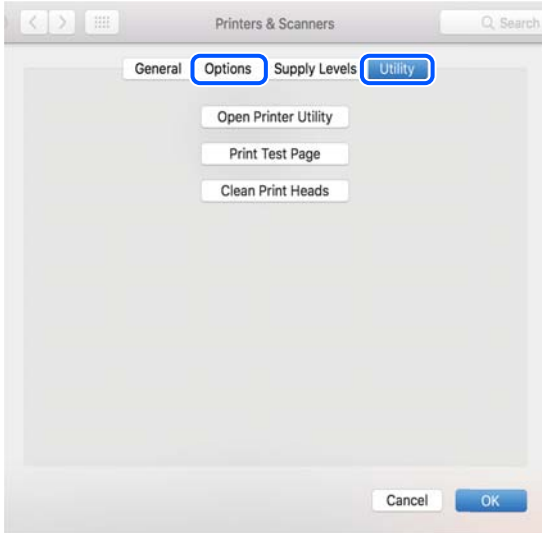
Click the **Driver** tab. If your printer name is displayed in the list, a genuine Epson printer driver is installed on your computer.



Solving Problems

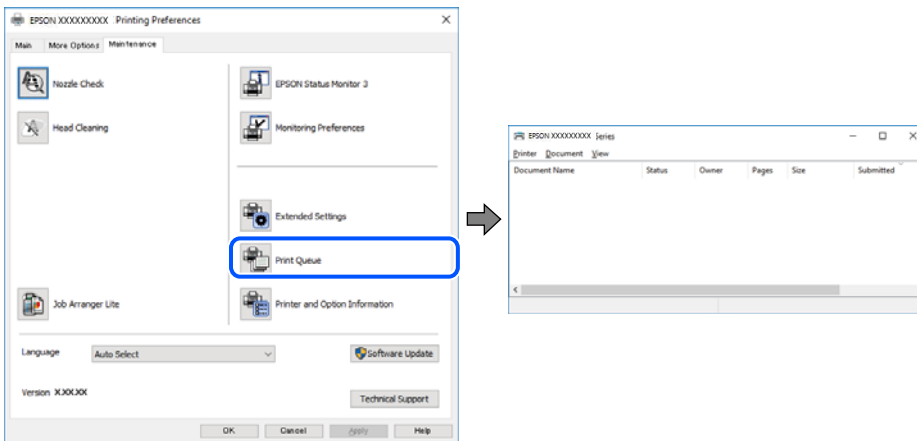
Mac OS

Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies**, and if the **Options** tab and **Utility** tab are displayed on the window, a genuine Epson printer driver is installed on your computer.

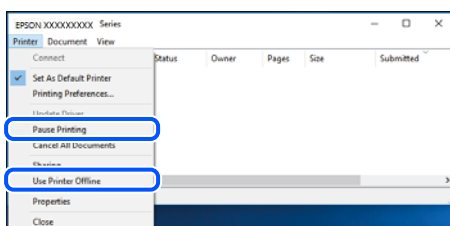


Checking the Printer Status from the Computer (Windows)

Click **Print Queue** on the printer driver's **Maintenance** tab, and then check the following.



- Check if there are any paused print jobs.
If unnecessary data remains, select **Cancel all documents** from the **Printer** menu.
- Make sure the printer is not offline or pending.
If the printer is offline or pending, clear the offline or pending setting from the **Printer** menu.



Solving Problems

- ❑ Make sure the printer is selected as the default printer from the **Printer** menu (there should be a check mark on the menu item).

If the printer is not selected as the default printer, set it as the default printer. If there are multiple icons in **Control Panel > View devices and printers (Printers, Printers and Faxes)**, see the following to select the icon.

Example)

USB connection: EPSON XXXX Series

Network connection: EPSON XXXX Series (network)

If you install the printer driver multiple times, copies of printer driver may be created. If copies such as "EPSON XXXX Series (copy 1)" are created, right-click the copied driver icon, and then click **Remove Device**.

- ❑ Make sure the printer port is selected correctly in **Property > Port** from the **Printer** menu as follows. Select "**USBXXX**" for a USB connection, or "**EpsonNet Print Port**" for a network connection.

Checking the Printer Status from the Computer (Mac OS)

Make sure the printer status is not **Pause**.

Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then double-click the printer. If the printer is paused, click **Resume** (or **Resume Printer**).

When You Cannot Make Network Settings

- ❑ Turn off the devices you want to connect to the network. Wait for about 10 seconds, and then turn on the devices in the following order; wireless router, computer or smart device, and then printer. Move the printer and computer or smart device closer to the wireless router to help with radio wave communication, and then try to make network settings again.
- ❑ Select **Menu > Network Settings > Connection Check**, and then print the network connection report. If an error has occurred, check the network connection report and then follow the printed solutions.

Related Information

- ➔ ["Printing a Network Connection Report" on page 42](#)
- ➔ ["Messages and Solutions on the Network Connection Report" on page 43](#)

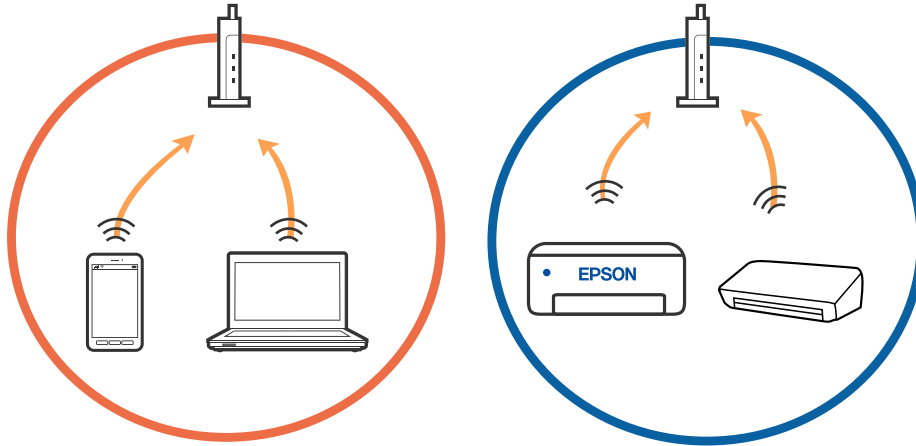
Cannot Connect from Devices Even Though Network Settings are No Problems

If you cannot connect from the computer or smart device to the printer even though the network connection report does not show any problems, see the following.

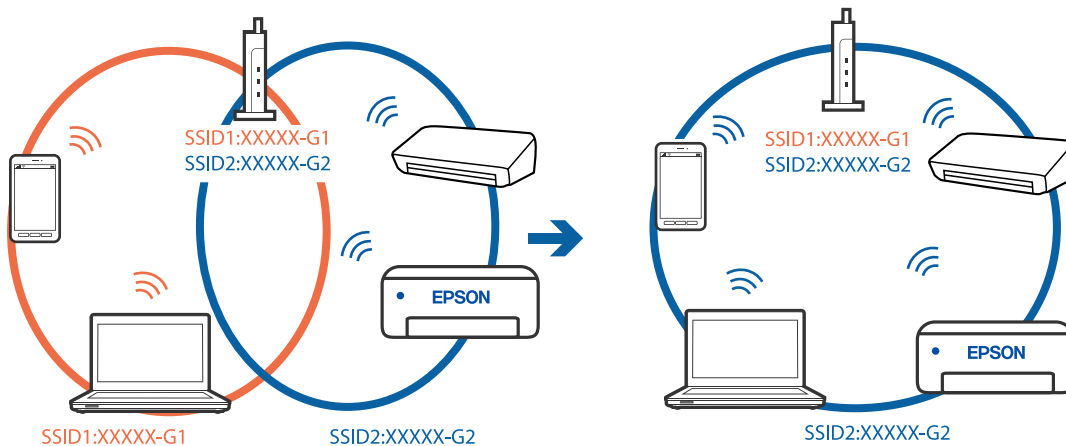
Solving Problems

- ❑ When you are using multiple wireless routers at the same time, you may not be able to use the printer from the computer or smart device depending on the settings of the wireless routers. Connect the computer or smart device to the same wireless router as the printer.

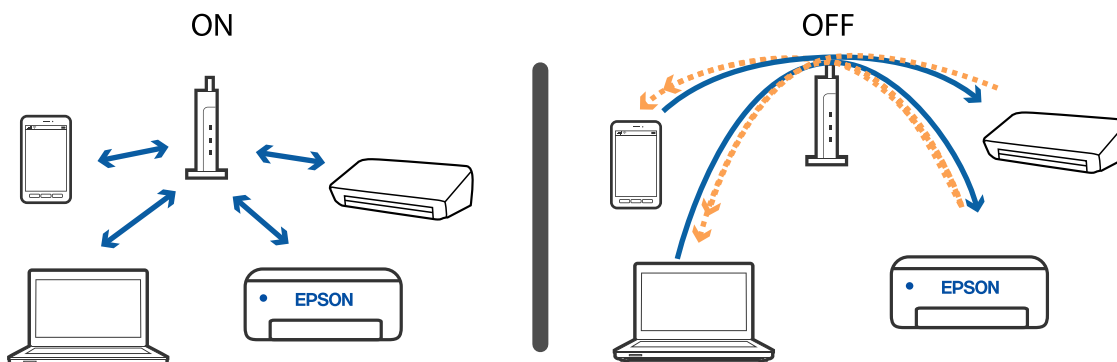
Disable the tethering function on the smart device if it is enabled.



- ❑ You may not be able to connect to the wireless router when the wireless router has multiple SSIDs and devices are connected to different SSIDs on the same wireless router. Connect the computer or smart device to the same SSID as the printer.



- ❑ Most wireless routers have a privacy separator feature that blocks communication between connected devices. If you cannot communicate between the printer and the computer or smart device even if they are connected to the same network, disable the privacy separator on the wireless router. See the manual provided with the wireless router for details.



Related Information

- ➔ [“Checking the SSID Connected to the Printer” on page 132](#)
- ➔ [“Checking the SSID for the Computer” on page 132](#)

Checking the SSID Connected to the Printer


You can check the SSID by printing a network connection report, network status sheet, or on Web Config.

Related Information

- ➔ [“Printing a Network Connection Report” on page 42](#)
- ➔ [“Printing a Network Status Sheet” on page 48](#)

Checking the SSID for the Computer

Windows

Click  in the task tray on the desktop. Check the name of the connected SSID from the list displayed.



Solving Problems

Mac OS

Click the Wi-Fi icon at the top of the computer screen. A list of SSIDs is displayed and the connected SSID is indicated with a check mark.



Wireless LAN (Wi-Fi) Connections Become Unstable When Using USB 3.0 Devices on a Mac

When you connect a device to the USB 3.0 port on a Mac, radio frequency interference may occur. Try the following if you cannot connect to wireless LAN (Wi-Fi) or if operations become unstable.

- Place the device that is connected to the USB 3.0 port further away from the computer.
- If the printer supports the 5 GHz frequency range, connect to the SSID for the 5 GHz range.

Related Information

➔ [“Wi-Fi Specifications” on page 141](#)

Cannot Print from an iPhone, iPad, or iPod touch

- Connect the iPhone, iPad, or iPod touch to the same network (SSID) as the printer.
- Enable **Paper Configuration** in the following menus.
 - Menu > Printer Setup > Paper Source Settings > Paper Configuration**
- Enable the AirPrint setting on Web Config.

Printout Problems

Print Quality Is Poor

Check the following if the print quality is poor due to blurry prints, banding, missing colors, faded colors, misalignment, and mosaic-like patterns in the prints.

Solving Problems

- Use paper supported by this printer.
- Do not print on paper that is damp, damaged, or too old.
- If the paper is curled or the envelope is puffed up, flatten it.
- When printing images or photos, print using high-resolution data. Images on websites are often low resolution although they look good enough on the display, and so print quality may decline.
- Select the appropriate paper type setting in the printer driver for the type of paper loaded in the printer.
- Print using a high quality setting in the printer driver.
- When images or photos are printed in unexpected colors, adjust the color and then print again. The automatic color correction feature uses the standard **PhotoEnhance** correction mode. Try another **PhotoEnhance** correction mode by selecting an option other than **Auto Correct** as the **Scene Correction** setting. If the problem continues, use any other color correction feature other than **PhotoEnhance**.
 - Windows
Select **Custom** as the **Color Correction** setting on the printer driver's **More Options** tab. Click **Advanced**, and then select anything other than **PhotoEnhance** as the **Color Management** setting.
 - Mac OS
Select **Color Matching** from the print dialog's pop-up menu, and then select **EPSON Color Controls**. Select **Color Options** from the pop-up menu, and then select anything other than **PhotoEnhance**.
- Disable the bidirectional (or high speed) setting. When this setting is enabled, the print head prints while moving in both directions, and vertical lines may be misaligned. If you disable this feature, printing may slow down.
 - Windows
Clear **High Speed** on the printer driver's **More Options** tab.
 - Mac OS
Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies** > **Options** (or **Driver**). Select **Off** as the **High Speed Printing** setting.
- Select **Menu** > **Plain Paper Density Setting** on the control panel, and then adjust the density.
- Select **Menu** > **Color Adjustment** on the control panel, and then adjust the color.
- Perform a nozzle check, and then clean the print head if any of the print head nozzles are clogged.
- Align the print head.
- If misalignment appears at intervals of 2.5 cm, align the print head.
- Do not stack the paper immediately after printing.
- Dry the printouts completely before filing or displaying them. When drying the printouts, avoid direct sun light, do not use a dryer, and do not touch the printed side of paper.
- Try to use genuine Epson ink cartridges. This product is designed to adjust colors based on the use of genuine Epson ink cartridges. The use of non-genuine ink cartridges may cause print quality to decline.
- Epson recommends using the ink cartridge before the date printed on the package.
- For best results, use up ink cartridge within six months of opening the package.
- When printing images or photos, Epson recommends using genuine Epson paper rather than plain paper. Print on the printable side of the genuine Epson paper.

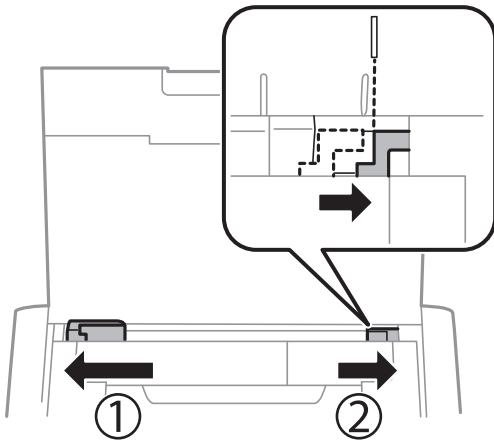
Solving Problems

Related Information

- ➔ [“Paper Handling Precautions” on page 53](#)
- ➔ [“List of Paper Types” on page 55](#)
- ➔ [“Checking and Cleaning the Print Head” on page 106](#)
- ➔ [“Aligning the Print Head” on page 107](#)
- ➔ [“Available Paper and Capacities” on page 54](#)

The Position, Size, or Margins of the Printout Are Incorrect

- Load paper in the correct direction, and slide the edge guide against the edge of the paper.
- If the printout bias toward the right side, and is cropped the right part, the paper may not be loaded in the correct position. Slide the edge guide to far left, slide the part on the right side to far right, and then load paper again.



- Select the appropriate paper size setting on the control panel or in the printer driver.
- Adjust the margin setting in the application so that it falls within the printable area.
- During borderless printing, the image is slightly enlarged and the protruding area is cropped. Adjust the amount of enlargement.
 - Windows
 - Click **Settings** of the **Borderless** on the printer driver's **Main** tab and select the amount of enlargement.
 - Mac OS
 - Adjust the **Expansion** setting from the print dialog's **Print Settings** menu.

Related Information

- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Printable Area” on page 139](#)

Paper Is Smearred or Scuffed

Check the following if the paper is smeared or scuffed when printing.

- Clean the paper path.

Solving Problems

- Place the paper on a flat surface to check if it is curled. If it is, flatten it.
- Load paper in the correct direction.
- When performing manual 2-sided printing, make sure that the ink is completely dry before reloading the paper.

Related Information

- ➔ [“Cleaning the Paper Path” on page 108](#)
- ➔ [“Loading Paper in the Rear Paper Feed” on page 55](#)
- ➔ [“Print Quality Is Poor” on page 133](#)

Printed Characters Are Incorrect or Garbled

- Connect the interface cable securely to the printer and the computer.
- Cancel any paused print jobs.
- Do not put the computer manually into the **Hibernate** mode or the **Sleep** mode while printing. Pages of garbled text may be printed next time you start the computer.

Related Information

- ➔ [“Canceling Printing” on page 82](#)

The Printed Image Is Inverted

Clear any mirror image settings in the printer driver or the application.

- Windows
 - Clear **Mirror Image** on the printer driver's **More Options** tab.
- Mac OS
 - Clear **Mirror Image** from the print dialog's **Print Settings** menu.

The Printout Problem Could Not be Cleared

If you have tried all of the solutions and have not solved the problem, try uninstalling and then reinstalling the printer driver.

Related Information

- ➔ [“Uninstalling Applications” on page 116](#)
- ➔ [“Installing Applications” on page 118](#)

Printing Is Too Slow

- When printing continuously for approximately more than 15 minutes, printing slows down to prevent the printer mechanism from overheating and being damaged. However, you can continue printing. To return the printer to normal printing speed, cancel printing, and leave the printer idle for at least 45 minutes with the power on. The printer does not recover if the power is off.
- The printing speed slows down when the printer is running on the built-in battery. Connect the AC adapter to the printer or install the optional external battery.
- Close any unnecessary applications.
- Lower the quality setting on the printer driver. High quality printing slows down the printing speed.
- Enable the bidirectional (or high speed) setting. When this setting is enabled, the print head prints while moving in both directions, and the printing speed increases.
 - Windows
Select **High Speed** on the printer driver's **More Options** tab.
 - Mac OS
Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies > Options** (or **Driver**). Select **On** as the **High Speed Printing** setting.
- Disable quiet mode. This feature slows down the printing speed.
 - Control Panel
From the home screen, select **Menu > Printer Setup > Quiet Mode**, and then disable it.
 - Windows
Select **Off** as the **Quiet Mode** setting on the printer driver's **Main** tab.
 - Mac OS
Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies > Options** (or **Driver**). Select **Off** as the **Quiet Mode** setting.
- Select **Menu > Plain Paper Density Setting** on the control panel, and then select **Standard**.

Other Problems

Slight Electric Shock when Touching the Printer

If many peripherals are connected to the computer, you may feel a slight electric shock when touching the printer. Install a ground wire to the computer that is connected to the printer.

Operation Sounds Are Loud

If operations sounds are too loud, enable quiet mode. However, this may slow down printer operations.

- Control Panel
From the home screen, select **Menu > Printer Setup > Quiet Mode**, and then enable it.

Solving Problems

Windows printer driver

Select **On** as the **Quiet Mode** setting on the **Main** tab.

Mac OS printer driver

Select **System Preferences** from the Apple menu > **Printers & Scanners** (or **Print & Scan, Print & Fax**), and then select the printer. Click **Options & Supplies > Options** (or **Driver**). Select **On** as the **Quiet Mode** setting.

Application Is Blocked by a Firewall (for Windows Only)

Add the application to the Windows Firewall allowed program in security settings on the **Control Panel**.

Appendix

Technical Specifications

Printer Specifications

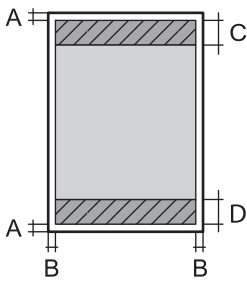
Print Head Nozzle Placement		Black ink nozzles: 180 Color ink nozzles: 59 for each color
Weight of Paper*	Plain Paper	64 to 90 g/m ² (17 to 24lb)
	Envelopes	Envelope #10, DL, C6: 75 to 90 g/m ² (20 to 24 lb)

* Even when the paper thickness is within this range, the paper may not feed in the printer or the print quality may decline depending on the paper properties or quality.

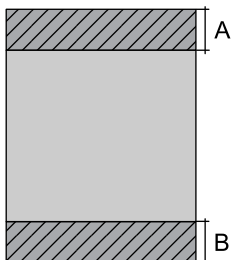
Printable Area

Print quality may decline in the shaded areas due to the printer's mechanism.

Single sheets (normal printing)

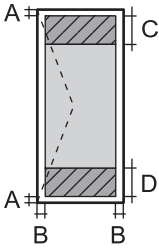
	A	3.0 mm (0.12 in.)
	B	Except for Letter and Legal: 3.0 mm (0.12 in.) Letter, Legal: 6.0 mm (0.24 in.)
	C	41.0 mm (1.62 in.)
	D	37.0 mm (1.46 in.)

Single sheets (borderless printing)

	A	44.0 mm (1.73 in.)
	B	40.0 mm (1.57 in.)

Appendix

Envelopes

	A	3.0 mm (0.12 in.)
	B	5.0 mm (0.20 in.)
	C	18.0 mm (0.71 in.)
	D	41.0 mm (1.62 in.)

Interface Specifications

For Computer	Hi-Speed USB
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Network Function List

Network Functions and IPv4/IPv6

Functions			Supported	Remarks
Network Printing	EpsonNet Print (Windows)	IPv4	✓	-
	Standard TCP/IP (Windows)	IPv4, IPv6	✓	-
	WSD Printing (Windows)	IPv4, IPv6	✓	Windows Vista or later
	Bonjour Printing (Mac OS)	IPv4, IPv6	✓	-
	IPP Printing (Windows, Mac OS)	IPv4, IPv6	✓	-
	PictBridge Printing (Wi-Fi)	IPv4	-	Digital camera
	Epson Connect (Email Print, Remote Print)	IPv4	✓	-
	AirPrint (iOS, Mac OS)	IPv4, IPv6	✓	iOS 5 or later, Mac OS X v10.7 or later
	Google Cloud Print	IPv4, IPv6	✓	-
Network Scanning	Epson Scan 2	IPv4, IPv6	-	-
	Event Manager	IPv4	-	-
	Epson Connect (Scan to Cloud)	IPv4	-	-
	AirPrint (Scan)	IPv4, IPv6	-	OS X Mavericks or later

Appendix

Functions			Supported	Remarks
Fax	Send a fax	IPv4	-	-
	Receive a fax	IPv4	-	-
	AirPrint (Faxout)	IPv4, IPv6	-	-

Wi-Fi Specifications

Standards	IEEE802.11a/b/g/n ^{*1} /ac		
Frequency Ranges	IEEE802.11b/g/n: 2.4 GHz, IEEE802.11a/n/ac: 5 GHz		
Channels	Wi-Fi	2.4 GHz	1/2/3/4/5/6/7/8/9/10/11/12/13
		5 GHz	W52 (36/40/44/48) ^{*2} , W53 (52/56/60/64) ^{*2} , W56 (100/104/108/112/116/120/124/128/132/136/140) ^{*3} , W58 (149/153/157/161/165) ^{*3}
	Wi-Fi Direct	2.4 GHz	1/2/3/4/5/6/7/8/9/10/11/12/13
		5 GHz	W52 (36/40/44/48) ^{*2}
Connection Modes	Infrastructure, Wi-Fi Direct (Simple AP) ^{*4*5}		
Security Protocols ^{*6}	WEP (64/128bit), WPA2-PSK (AES) ^{*7}		

*1 Only available for the HT20

*2 Use of the product outdoors over these channels is prohibited.

*3 The availability of these channels varies by location. For more information, see <http://support.epson.net/wifi5ghz/>

*4 Not supported for IEEE 802.11b

*5 Infrastructure and Wi-Fi Direct modes can be used simultaneously.

*6 Wi-Fi Direct only supports WPA2-PSK (AES) .

*7 Complies with WPA2 standards with support for WPA/WPA2 Personal

Security Protocol

SSL/TLS	HTTPS Server/Client, IPPS
---------	---------------------------

Supported Third Party Services

AirPrint	Print	iOS 5 or later/Mac OS X v10.7.x or later
Google Cloud Print		

Appendix

Dimensions

Dimensions	<p>Storage</p> <ul style="list-style-type: none"> ❑ Width: 309 mm (12.2 in.) ❑ Depth: 159 mm (6.3 in.) ❑ Height: 61 mm (2.4in.) <p>Printing</p> <ul style="list-style-type: none"> ❑ Width: 309 mm (12.2 in.) ❑ Depth: 232 mm (9.1 in.) ❑ Height: 217 mm (8.5in.)
Weight*	Approx. 1.7 kg (3.7 lb)

* Without the ink cartridges and the AC adapter.

Electrical Specifications

AC Adapter

Model	A461H	
Input	Rated Input Power Supply Voltage	AC 100V to 240 V
	Rated Input Current	1 A
	Rated Frequency Range	50 to 60Hz
Output	Rated Output Power Supply Voltage	DC 24 V
	Rated Output Current	1 A

Printer Electrical Specifications (Using the AC Adapter)

Rated DC Input	Rated DC Input Power Supply Voltage	DC 24 V
	Rated DC Input Current (Not Charging Battery)	0.4 A
	Rated DC Input Current (Charging Built-in Battery)	0.6 A
	Rated DC Input Current (Charging Optional External Battery)	0.9 A

Appendix

Power Consumption (with USB Connection)	Not Charging Battery	Printing: Approx. 12.0 W (ISO/IEC24712) Ready mode: Approx. 3.3 W Sleep mode: Approx. 0.9 W Power off: Approx. 0.2 W
	Charging Built-in Battery	Printing: Approx. 16.0 W (ISO/IEC24712) Ready mode: Approx. 14.6 W Sleep mode: Approx. 12.1 W Power off: Approx. 11.6 W
	Charging Optional External Battery	Printing: * Ready mode: Approx. 23.6 W Sleep mode: Approx. 21.4 W Power off: Approx. 22.0 W

* The same as the power consumption while "Not Charging Battery" because the printer does not charge the battery while printing.

Note:

- Check the label on the printer for its voltage.
- For European users, see the following Website for details on power consumption.

<http://www.epson.eu/energy-consumption>

Built-in Battery Specifications

Type	Li-ion
Rated Power Supply Voltage	3.6 V
Capacity of Current	1.86 Ah
Continuous Number of Prints* ¹	Color: Approx. 50 sheets Monochrome: Approx. 100 sheets
Charging Time* ²	AC Adapter: Approx. 2.5 hours* ³ USB Port (5 V/0.5 A): Approx. 10 hours USB Port (5 V/1.5A): Approx. 2.5 hours

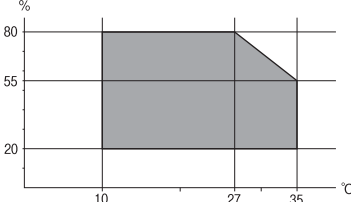
*¹ The value that is measured when printing A4 size ISO/IEC24712 patterns with a fully-charged new battery in an environment of 25°C.

*² The value that is measured when charging the battery with the power off in an environment of 25°C. If you operate the printer while charging the battery, the charging time is longer.

*³ 5 minutes charging allows you to print approximately 4 sheets of A4 size ISO/IEC24712 pattern in monochrome, or approximately 2 sheets of A4 size ISO/IEC24712 pattern in color.

Appendix

Environmental Specifications

<p>Operation</p>	<p>Use the printer within the range shown in the following graph.</p>  <p>Temperature: 10 to 35 °C (50 to 95 °F)</p> <p>Operational Guaranteed Temperature Using the AC Adapter: 0 to 40 °C (32 to 104 °F)</p> <p>Operational Guaranteed Temperature Running on the Built-in Battery: 5 to 40 °C (41 to 104 °F)</p> <p>Operational Guaranteed Temperature Running on the Optional External Battery: 5 to 40 °C (41 to 104 °F)</p> <p>Humidity: 20 to 80% RH (without condensation)</p>
<p>Storage</p>	<p>Temperature: -30 to 60 °C (-22 to 140 °F)*</p> <p>Humidity: 5 to 85% RH (without condensation)</p>

* You can store for one week at 60 °C (140 °F).

Environmental Specifications for Ink Cartridges

<p>Storage Temperature</p>	<p>-30 to 40 °C (-22 to 104 °F)*</p>
<p>Freezing Temperature</p>	<p>-16 °C (3.2 °F)</p> <p>Ink thaws and is usable after approximately 3 hours at 25 °C (77 °F).</p>

* You can store for one month at 40 °C (104 °F).

System Requirements

- Windows 10 (32-bit, 64-bit)/Windows 8.1 (32-bit, 64-bit)/Windows 8 (32-bit, 64-bit)/Windows 7 (32-bit, 64-bit)/Windows Vista (32-bit, 64-bit)/Windows XP SP3 or later (32-bit)/Windows XP Professional x64 Edition SP2 or later/Windows Server 2019/Windows Server 2016/Windows Server 2012 R2/Windows Server 2012/Windows Server 2008 R2/Windows Server 2008/Windows Server 2003 R2/Windows Server 2003 SP2 or later
- macOS Mojave/macOS High Sierra/macOS Sierra/OS X El Capitan/OS X Yosemite/OS X Mavericks/OS X Mountain Lion/Mac OS X v10.7.x/Mac OS X v10.6.8

Note:

- Mac OS may not support some applications and features.
- The UNIX File System (UFS) for Mac OS is not supported.

Regulatory Information

Standards and Approvals

Standards and Approvals for U.S. Model

Product

EMC	FCC Part 15 Subpart B Class B CAN ICES-3 (B)/NMB-3 (B)
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This equipment contains the following wireless module.

Manufacturer: Seiko Epson Corporation

Type: J26H005

This product conforms to Part 15 of the FCC Rules and RSS-210 of the IC Rules. Epson cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated so that the radiator is kept at least 7.9 inches (20 cm) or more away from a person's body (excluding extremities: hands, wrists, feet and ankles).

AC adapter

Safety	UL60950-1 CAN/CSA-C22.2 No.60950-1
EMC	FCC Part 15 Subpart B Class B CAN ICES-3 (B)/NMB-3 (B)

Standards and Approvals for European Model

For European users

Hereby, Seiko Epson Corporation declares that the following radio equipment model is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following website.

<http://www.epson.eu/conformity>

B582A

Appendix

For use only in Ireland, UK, Austria, Germany, Liechtenstein, Switzerland, France, Belgium, Luxemburg, Netherlands, Italy, Portugal, Spain, Denmark, Finland, Norway, Sweden, Iceland, Croatia, Cyprus, Greece, Slovenia, Malta, Bulgaria, Czech, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, and Slovakia.

Epson cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the products.

Frequency	Maximum Radio-Frequency Power Transmitted
2400-2483.5 MHz	20 dBm (EIRP)
5150-5250 MHz	20 dBm (EIRP)
5250-5350 MHz	20 dBm (EIRP)
5470-5725 MHz	20.5 dBm (EIRP)



AC Adapter/Optional External Battery

The following model is CE marked and in compliance with all the applicable EU Directives. For further details, visit the following website to access the full declaration of conformities containing reference to the Directives and harmonized standards used to declare conformity.

<http://www.epson.eu/conformity>

AC Adapter	A461H
Optional External Battery	D231A

Restrictions on Copying

Observe the following restrictions to ensure the responsible and legal use of the printer.

Copying of the following items is prohibited by law:

- Bank bills, coins, government-issued marketable securities, government bond securities, and municipal securities
- Unused postage stamps, pre-stamped postcards, and other official postal items bearing valid postage
- Government-issued revenue stamps, and securities issued according to legal procedure

Exercise caution when copying the following items:

- Private marketable securities (stock certificates, negotiable notes, checks, etc.), monthly passes, concession tickets, etc.
- Passports, driver's licenses, warrants of fitness, road passes, food stamps, tickets, etc.

Note:

Copying these items may also be prohibited by law.

Responsible use of copyrighted materials:

Printers can be misused by improperly copying copyrighted materials. Unless acting on the advice of a knowledgeable attorney, be responsible and respectful by obtaining the permission of the copyright holder before copying published material.

Where to Get Help

Technical Support Web Site

If you need further help, visit the Epson support website shown below. Select your country or region and go to the support section of your local Epson website. The latest drivers, FAQs, manuals, or other downloadables are also available from the site.

<http://support.epson.net/>

<http://www.epson.eu/Support> (Europe)

If your Epson product is not operating properly and you cannot solve the problem, contact Epson support services for assistance.

Contacting Epson Support

Before Contacting Epson

If your Epson product is not operating properly and you cannot solve the problem using the troubleshooting information in your product manuals, contact Epson support services for assistance. If Epson support for your area is not listed below, contact the dealer where you purchased your product.

Epson support will be able to help you much more quickly if you give them the following information:

- Product serial number
(The serial number label is usually on the back of the product.)
- Product model
- Product software version
(Click **About**, **Version Info**, or a similar button in the product software.)
- Brand and model of your computer
- Your computer operating system name and version
- Names and versions of the software applications you normally use with your product

Note:

Depending on the product, network settings may be stored in the product's memory. Due to breakdown or repair of a product, settings may be lost. Epson shall not be responsible for the loss of any data, for backing up or recovering settings even during a warranty period. We recommend that you make your own backup data or take notes.

Help for Users in Europe

Check your Pan-European Warranty Document for information on how to contact Epson support.