ST-2000 User's Guide
## Contents

**ST-2000 User’s Guide** ................................................................................................................................ 11

### Product Basics .......................................................................................................................................... 12
  - Using the Control Panel .......................................................................................................................... 12
  - Control Panel Buttons and Lights ......................................................................................................... 12
  - Status Icon Information ......................................................................................................................... 13
  - Entering Characters on the LCD Screen ............................................................................................... 14
  - Changing LCD Screen Language ........................................................................................................ 14

### Product Parts Locations .......................................................................................................................... 16
  - Product Parts - Front .............................................................................................................................. 16
  - Product Parts - Inside ............................................................................................................................ 17
  - Product Parts - Back .............................................................................................................................. 18

### Using Power Saving Settings ................................................................................................................ 19
  - Changing the Sleep Timer Setting from the Control Panel .................................................................. 19
  - Changing the Power Off Timer Setting from the Control Panel .......................................................... 20

### Epson Connect Solutions for Smartphones, Tablets, and More .......................................................... 22
  - Setting Up Epson Connect Services ..................................................................................................... 22
  - Using Epson Email Print ...................................................................................................................... 23
  - Using the Epson iPrint Mobile App ..................................................................................................... 24
  - Using Epson Remote Print .................................................................................................................. 24

### Using AirPrint ....................................................................................................................................... 25

### Using Google Cloud Print .................................................................................................................... 26

### Android Printing Using the Epson Print Enabler .................................................................................... 27

### Using Fire OS Printing .......................................................................................................................... 27

### Using Windows 10 Mobile Printing ......................................................................................................... 28

### Using Epson Print and Scan App with Windows Tablets ......................................................................... 28

### Wi-Fi Networking .................................................................................................................................... 30
  - Network Security Recommendations ..................................................................................................... 30
  - Wi-Fi Infrastructure Mode Setup ......................................................................................................... 31
    - Selecting Wireless Network Settings from the Control Panel ........................................................... 32
  - Wi-Fi Direct Mode Setup ..................................................................................................................... 34

---

<table>
<thead>
<tr>
<th>ST-2000 User’s Guide</th>
<th>11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Basics</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Using the Control Panel</td>
<td>12</td>
</tr>
<tr>
<td>Control Panel Buttons and Lights</td>
<td>12</td>
</tr>
<tr>
<td>Status Icon Information</td>
<td>13</td>
</tr>
<tr>
<td>Entering Characters on the LCD Screen</td>
<td>14</td>
</tr>
<tr>
<td>Changing LCD Screen Language</td>
<td>14</td>
</tr>
<tr>
<td>Product Parts Locations</td>
<td>16</td>
</tr>
<tr>
<td>Product Parts - Front</td>
<td>16</td>
</tr>
<tr>
<td>Product Parts - Inside</td>
<td>17</td>
</tr>
<tr>
<td>Product Parts - Back</td>
<td>18</td>
</tr>
<tr>
<td>Using Power Saving Settings</td>
<td>19</td>
</tr>
<tr>
<td>Changing the Sleep Timer Setting from the Control Panel</td>
<td>19</td>
</tr>
<tr>
<td>Changing the Power Off Timer Setting from the Control Panel</td>
<td>20</td>
</tr>
<tr>
<td>Epson Connect Solutions for Smartphones, Tablets, and More</td>
<td>22</td>
</tr>
<tr>
<td>Setting Up Epson Connect Services</td>
<td>22</td>
</tr>
<tr>
<td>Using Epson Email Print</td>
<td>23</td>
</tr>
<tr>
<td>Using the Epson iPrint Mobile App</td>
<td>24</td>
</tr>
<tr>
<td>Using Epson Remote Print</td>
<td>24</td>
</tr>
<tr>
<td>Using AirPrint</td>
<td>25</td>
</tr>
<tr>
<td>Using Google Cloud Print</td>
<td>26</td>
</tr>
<tr>
<td>Android Printing Using the Epson Print Enabler</td>
<td>27</td>
</tr>
<tr>
<td>Using Fire OS Printing</td>
<td>27</td>
</tr>
<tr>
<td>Using Windows 10 Mobile Printing</td>
<td>28</td>
</tr>
<tr>
<td>Using Epson Print and Scan App with Windows Tablets</td>
<td>28</td>
</tr>
<tr>
<td>Wi-Fi Networking</td>
<td>30</td>
</tr>
<tr>
<td>Network Security Recommendations</td>
<td>30</td>
</tr>
<tr>
<td>Wi-Fi Infrastructure Mode Setup</td>
<td>31</td>
</tr>
<tr>
<td>Selecting Wireless Network Settings from the Control Panel</td>
<td>32</td>
</tr>
<tr>
<td>Wi-Fi Direct Mode Setup</td>
<td>34</td>
</tr>
</tbody>
</table>
### Enabling Wi-Fi Direct Mode ................................................................. 34
### Wi-Fi Protected Setup (WPS) .................................................................. 37
- Using WPS to Connect to a Network ...................................................... 37
### Printing a Network Status Sheet .......................................................... 38
### Printing a Network Connection Report ............................................... 39
- Network Connection Report Codes and Messages ................................. 41
### Changing or Updating Network Connections ....................................... 46
- Accessing the Web Config Utility ......................................................... 46
- Changing a USB Connection to a Wi-Fi Connection ............................ 47
- Connecting to a New Wi-Fi Router ....................................................... 47
- Disabling Wi-Fi Features ....................................................................... 48

#### Loading Paper ..................................................................................... 49
- Loading Paper in the Sheet Feeder ......................................................... 49
- Paper Loading Capacity ....................................................................... 53
- Double-sided Printing Capacity ............................................................ 53
- Compatible Epson Papers ..................................................................... 55
- Borderless Paper Type Compatibility .................................................... 56
- Paper or Media Type Settings - Printing Software ............................... 57
  - Selecting the Paper Settings - Control Panel ...................................... 57
    - Paper or Media Type Settings - Control Panel ................................ 58
  - Selecting the Default Paper Source Settings ..................................... 59
    - Paper Source Settings Options ...................................................... 60

#### Placing Originals on the Product ....................................................... 61
- Placing Originals on the Scanner Glass ............................................... 61

#### Copying .............................................................................................. 63
- Copying Documents or Photos .............................................................. 63
- Copying Options .................................................................................. 65

#### Printing from a Computer ................................................................. 67
- Printing with Windows ........................................................................... 67
  - Selecting Basic Print Settings - Windows ........................................... 68
    - Print Quality Options - Windows ................................................... 70
    - Multi-Page Printing Options - Windows ........................................ 70
Product Status Messages ................................................................................................................ 175
  Message Appears Prompting You to Reset Ink Levels..................................................................... 176
  Running a Product Check .................................................................................................................. 177
  Resetting Control Panel Defaults ..................................................................................................... 179
Solving Setup Problems ................................................................................................................... 179
    Noise After Filling the Ink ............................................................................................................. 180
    Software Installation Problems .................................................................................................... 180
    Control Panel Setup Problems .................................................................................................... 181
Solving Network Problems ............................................................................................................... 181
    Product Cannot Connect to a Wireless Router or Access Point .................................................. 181
    Network Software Cannot Find Product on a Network ............................................................... 183
    Product Does Not Appear in Mac Printer Window ....................................................................... 184
    Wireless Network Connection is Unstable on a Mac ................................................................. 185
    Cannot Print Over a Network ....................................................................................................... 185
    Cannot Scan Over a Network ....................................................................................................... 186
Solving Copying Problems ............................................................................................................... 187
    Product Makes Noise, But Nothing Copies .................................................................................. 187
    Product Makes Noise When It Sits for a While ............................................................................. 188
Solving Paper Problems ................................................................................................................... 188
    Paper Feeding Problems ............................................................................................................. 188
    Paper Jam Problems Inside the Product ..................................................................................... 189
    Paper Jam Problems in the Rear Cover ...................................................................................... 192
    Paper Ejection Problems ............................................................................................................. 193
Solving Problems Printing from a Computer ..................................................................................... 193
    Nothing Prints ............................................................................................................................ 193
    Product Icon Does Not Appear in Windows Taskbar ................................................................... 194
    Printing is Slow ............................................................................................................................ 195
Solving Page Layout and Content Problems .................................................................................... 196
    Inverted Image ............................................................................................................................. 197
    Too Many Copies Print ................................................................................................................ 197
    Blank Pages Print ......................................................................................................................... 197
    Incorrect Margins on Printout ....................................................................................................... 198
    Border Appears on Borderless Prints .......................................................................................... 198
Mac System Requirements ................................................................. 217
Paper Specifications ........................................................................... 217
Printable Area Specifications ............................................................ 219
Scanning Specifications ...................................................................... 220
Ink Specifications ............................................................................... 221
Memory Card Specifications ............................................................... 222
Dimension Specifications .................................................................. 222
Electrical Specifications ..................................................................... 223
Environmental Specifications .............................................................. 223
Interface Specifications ...................................................................... 223
Network Interface Specifications ......................................................... 223
Safety and Approvals Specifications .................................................... 224

Notices ................................................................................................. 226
Important Safety Instructions ............................................................... 226
  General Product Safety Instructions .................................................. 226
  Wireless Connection Safety Instructions .......................................... 228
  LCD Screen Safety Instructions ....................................................... 228
FCC Compliance Statement ................................................................. 229
Binding Arbitration and Class Waiver .................................................. 229
Trademarks ......................................................................................... 233
Copyright Notice ................................................................................ 233
  libTIFF Software Acknowledgment .................................................. 234
  A Note Concerning Responsible Use of Copyrighted Materials ............ 234
  Default Delay Times for Power Management for Epson Products ......... 235
  Copyright Attribution ...................................................................... 235
ST-2000 User's Guide


For a printable PDF copy of this guide, click here.
Product Basics

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

Using the Control Panel
Product Parts Locations
Using Power Saving Settings
Epson Connect Solutions for Smartphones, Tablets, and More
Using AirPrint
Using Google Cloud Print
Android Printing Using the Epson Print Enabler
Using Fire OS Printing
Using Windows 10 Mobile Printing
Using Epson Print and Scan App with Windows Tablets

Using the Control Panel

See these sections to learn about the control panel and select control panel settings.

Control Panel Buttons and Lights
Entering Characters on the LCD Screen
Changing LCD Screen Language

Parent topic: Product Basics

Control Panel Buttons and Lights

![Control Panel Buttons and Lights diagram]
Status Icon Information

Parent topic: Using the Control Panel

Status Icon Information

Your product displays status icons on the LCD screen for certain product status conditions.

<table>
<thead>
<tr>
<th>Icons</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🗼</td>
<td>No Wi-Fi connection.</td>
</tr>
<tr>
<td>🗼</td>
<td>A Wi-Fi network error has occurred or the product is searching for a connection.</td>
</tr>
<tr>
<td>🗼</td>
<td>A Wi-Fi connection is established. The number of bars indicates the connection's signal strength.</td>
</tr>
<tr>
<td>🗼</td>
<td>No Wi-Fi Direct connection.</td>
</tr>
<tr>
<td>🗼</td>
<td>A Wi-Fi Direct connection is established.</td>
</tr>
</tbody>
</table>

Parent topic: Control Panel Buttons and Lights
Entering Characters on the LCD Screen

Follow these guidelines to enter characters for passwords and other settings.

- To scroll through the characters, press the up or down arrow button.
- To change the character case or type, press the reset button.
- To move the cursor to the right, press the right arrow button.
- To delete the previous character, press the left arrow button.

Parent topic: Using the Control Panel

Changing LCD Screen Language

You can change the language used on the LCD screen.

1. Press the home button, if necessary.
2. Press the arrow buttons to select **Settings** and press the **OK** button.

3. Select **Printer Setup** and press the **OK** button.

4. Select **Language** and press the **OK** button.

5. Select a language and press the **OK** button.

6. Press the home button to exit.

**Parent topic:** Using the Control Panel
**Product Parts Locations**

See these sections to identify the parts on your product.

- Product Parts - Front
- Product Parts - Inside
- Product Parts - Back

**Parent topic:** Product Basics

---

**Product Parts - Front**

![Diagram of front parts](image)

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

**Parent topic:** Product Parts Locations
Product Parts - Inside

1  Document cover
2  Scanner glass
3  Scanner unit
4  Control panel
5 Memory card slot

Parent topic: Product Parts Locations

Product Parts - Back
Using Power Saving Settings

Your product enters sleep mode automatically and turns off the LCD screen if it is not used for a period of time. You can make the time period shorter and select other options to save energy and resources.

Changing the Sleep Timer Setting from the Control Panel
Changing the Power Off Timer Setting from the Control Panel

Parent topic: Product Basics

Changing the Sleep Timer Setting from the Control Panel

You can use the product’s control panel to change the time period before the product enters sleep mode.

1. Press the \( \Rightarrow \) home button, if necessary.
2. Press the arrow buttons to select Settings and press the OK button.
3. Select Printer Setup and press the OK button.

You see this screen:
4. Select **Sleep Timer** and press the **OK** button.
   You see this screen:

```
Sleep Timer

0:16 minutes
1-240

Move cursor
Enter Number
```

5. Press the left or right arrow button to move the cursor and press the up or down arrow button to adjust the number of minutes of inactivity before the product enters sleep mode. Then press the **OK** button.

6. Press the ﬂ home button to exit.

**Parent topic:** Using Power Saving Settings

### Changing the Power Off Timer Setting from the Control Panel

You can use the product's control panel to change the time period before the printer turns off automatically.

1. Press the ﬂ home button, if necessary.
2. Press the arrow buttons to select **Settings** and press the **OK** button.
3. Select **Printer Setup** and press the **OK** button.
You see this screen:

![Power Setup Screen](image1)

4. Select **Power Off Timer** and press the **OK** button.
You see this screen:

![Power Off Timer Screen](image2)

5. Select the length of time after which you want the product to automatically turn off when it is not in use. Then press the **OK** button.
6. Press the **🏠** home button to exit.

**Parent topic:** Using Power Saving Settings
Epson Connect Solutions for Smartphones, Tablets, and More

Use your smartphone, tablet, or computer to print and scan documents, photos, emails, and web pages from your home, office, or even across the globe.

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

Print from anywhere with these Epson Connect solutions:
- Epson Email Print
- Epson iPrint Mobile App
- Epson Remote Print

Scan and send a file as an email or upload it to an online service directly from your Epson product with the Epson iPrint Mobile App.

**Setting Up Epson Connect Services**

**Using Epson Email Print**

**Using the Epson iPrint Mobile App**

**Using Epson Remote Print**

**Parent topic:** Product Basics

**Related tasks**

Using AirPrint
Using Google Cloud Print
Android Printing Using the Epson Print Enabler
Using Fire OS Printing
Using Windows 10 Mobile Printing

**Setting Up Epson Connect Services**

If you did not activate your product's email address for use with Epson Connect when you set up your product, you can activate it using the product control panel.

1. Press the home button, if necessary.
2. Press the left or right arrow button to select **Settings** and press the **OK** button.
3. Press the arrow buttons to select **Epson Connect Services** and press the **OK** button.
You see this screen:

![Epson Connect Screen](image)

4. Press the **OK** button to select **Register/Delete**.
5. Press the arrow buttons to select **Yes** and press the **OK** button.
6. Follow the instructions on your screen to activate your product's email address.

**Parent topic:** [Epson Connect Solutions for Smartphones, Tablets, and More](#)

### Using Epson Email Print

With Epson Email Print, you can print from any device that can send email, such as your smartphone, tablet, or laptop. Just activate your product's unique email address. When you want to print, attach a PDF, Microsoft Office document, or photo to an email and send it to your product. Both the email and the attachments will print automatically.

1. Connect your product to your network. See the link below.
2. If you did not already set up Email Print when you installed your product software, see the link below to use your product control panel to activate your unique email address. Or visit [epson.com/connect](https://epson.com/connect) (U.S), [epson.ca/connect](https://epson.ca/connect) (Canada), or [epsonconnect.com](https://epsonconnect.com) (Caribbean) to learn more about Email Print, create your Epson Connect account, and register your product to the Epson Connect service.
3. Now you are ready to send and print emails to your product's Email Print address.

**Note:** Go to [epsonconnect.com](https://epsonconnect.com) and log into your Epson Connect account to personalize your product's email, adjust print settings, and set up other Epson Connect services.
Using the Epson iPrint Mobile App

Use this free Apple and Android app to print and scan with networked Epson products. Epson iPrint lets you print PDFs, Microsoft Office documents, photos, and web pages over a wireless network. You can scan and save a file on your device, send it as an email, or upload it to an online service such as Box, Dropbox, Evernote, or Google Drive.

1. Connect your product to your wireless network. See the link below.
2. Visit epson.com/connect (U.S), epson.ca/connect (Canada), or epson.com.jm/connect (Caribbean) to learn more about Epson iPrint and check the compatibility of your mobile device.
3. Download Epson iPrint from the Apple App Store or Google Play.
4. Connect your mobile device to the same wireless network as your product.
5. Open Epson iPrint and select your Epson product.

Now you are ready to print or scan with your mobile device and your Epson product.

Using Epson Remote Print

With Epson Remote Print software, you can print from your laptop or desktop computer to an Epson Email-enabled product anywhere in the world.

1. Connect your Epson product to your wireless network. See the link below.
2. If you did not already set up an Epson Connect account when you installed your product software, visit epsonconnect.com to create your account and register your product to the Epson Connect service.

   **Note**: Make a note of your product's email address.

3. Visit epsonconnect.com to learn more about Remote Print and how to download the Remote Print Driver software.
4. Download and install the Remote Print software.
5. Enter the email address and optional access key of your Epson product during Remote Print setup.
6. Now you are ready to print remotely. Select the print command in your laptop or desktop computer application and choose the Remote Print option for your Epson product.

**Parent topic:** Epson Connect Solutions for Smartphones, Tablets, and More

**Related topics**

Wi-Fi Networking

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### Using AirPrint

AirPrint enables instant wireless printing from iPhone, iPad, and iPod touch with the latest version of iOS, and Mac with the latest version of OS X or macOS.

![AirPrint](image)

**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.
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.

**Parent topic:** Product Basics

**Related references**

Paper Source Settings Options

**Related topics**

Wi-Fi Networking
Using Google Cloud Print

With a Google Account, you can print from your Apple or Android device to your Epson product. You can also print from Chromebooks and the Google Chrome browser without drivers or cables.

1. Connect your Epson product to your wireless network. See the link below.
2. Note your product's IP address by checking your network status. See the link below.
3. Connect your computer or your Apple or Android device to the same wireless network as your Epson product.
4. Enter your product's IP address into the address bar of a web browser.
5. Select the **Google Cloud Print Services** option.

   **Note:** If you don't see the **Google Cloud Print Services** option, turn your product off and back on. If the option still doesn't appear, select the **Firmware Update** option and follow the on-screen instructions to update your product.

6. Click **Register**.
7. Select the checkbox to agree to the Usage Advisory and click **Next**.
8. Click **OK** to launch the sign-in page.
   A separate browser window opens.
9. Enter your Google Account username and password and click **Sign in**, or, if you don't have an account, click **Sign up for a new Google Account** and follow the on-screen instructions.
10. Click **Finish printer registration** to complete setup and print a test page.

Your product is now linked to your Google Account and can be accessed from any Chromebook, computer, Apple or Android device with Internet access. Visit Epson Support for Google Cloud Print (U.S) or Epson Support for Google Cloud Print (Canada) for more information on using Google Cloud Print, or the Google Cloud Print website for a list of supported apps.

**Parent topic:** Product Basics

**Related tasks**

- Printing a Network Status Sheet

**Related topics**

- Wi-Fi Networking
Android Printing Using the 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 your nearby Epson product and print.

1. Connect your Epson product to your wireless network. See the link below.
2. On your Android device, download the Epson Print Enabler plug-in from Google Play.
3. Go to Settings on your Android device, select Printing, and enable the Epson plug-in.
4. Connect your Android device to the same wireless network as your product.
5. Now you are ready to print. From an Android application such as Chrome or Gmail, tap the menu icon and print whatever is on the screen.

**Note:** If you do not see your product, tap All Printers and select your product.

**Parent topic:** Product Basics

**Related topics**

Wi-Fi Networking

Using Fire OS Printing

You can wirelessly print from Amazon Fire tablets and phones to your nearby networked Epson product. There is no software to download, no drivers to install, and no cables to connect. With just a few taps in Email, Calendar, Contacts, and WPS Office, you can send whatever is on the screen to an Epson product.

1. Connect your Epson product to your wireless network. See the link below.
2. Connect your Amazon device to the same wireless network as your product.
3. Now you are ready to print. From your Amazon application, tap the print option and select your product to print whatever is on the screen.

**Note:** If you see a message telling you that a plug-in is required, tap OK and tap Download. If your Amazon Fire product uses Fire OS 5 and above, your device automatically uses the built-in Mopria Print Service app to print.

Visit epson.com/connect (U.S), epson.ca/connect (Canada), or epson.com.jm/connect (Caribbean) to learn more about Fire OS Printing (one of many Epson Connect Partner Solutions) and check the compatibility of your mobile device.
Using Windows 10 Mobile Printing

You can wirelessly print from Windows 10 Mobile tablets and phones to your nearby networked Epson product. There is no software to download, no drivers to install, and no cables to connect. Look for the print option in your Windows 10 application to send whatever is on the screen to an Epson product.

1. Connect your Epson product to your wireless network. See the link below.
2. Connect your Windows 10 Mobile device to the same wireless network as your product.
3. Now you are ready to print. From your Windows 10 application, tap the print option and select your product to print whatever is on the screen.

Visit epson.com/connect (U.S), epson.ca/connect (Canada), or epson.com.jm/connect (Caribbean) to learn more about Windows 10 Mobile Printing (one of many Epson Connect Partner Solutions) and check the compatibility of your mobile device.

Using Epson Print and Scan App with Windows Tablets

You can use this free app to print photos and scan from your Windows (Windows 8 or higher) Surface RT or Pro tablet with networked Epson products. Epson Print and Scan App allows you to scan and capture images right to your tablet or to Microsoft OneDrive.

Note: The Epson Print and Scan App does not support Windows 10 Mobile printing.

1. Connect your Epson product to your wireless network. See the link below.
2. Download Epson Print and Scan App from the Microsoft Windows Store.
3. Connect your Windows tablet to the same wireless network as your product.
4. Open Epson Print and Scan App and select your Epson product.

Now you are ready to print photos or scan.

Visit epson.com/connect (U.S), epson.ca/connect (Canada), or epson.com.jm/connect (Caribbean) to learn more about Epson Print and Scan App.
Parent topic: Product Basics
Related topics
Wi-Fi Networking
Wi-Fi Networking

See these sections to use your product on a Wi-Fi network.

Network Security Recommendations
Wi-Fi Infrastructure Mode Setup
Wi-Fi Direct Mode Setup
Wi-Fi Protected Setup (WPS)
Printing a Network Status Sheet
Printing a Network Connection Report
Changing or Updating Network Connections

Network Security Recommendations

To help deter unauthorized access to your product over a network, you should protect your network environment using appropriate security measures.

Security measures such as these can help deter threats such as loss of user data, use of telephone and fax lines, and other intrusions:

- **Enable security on your wireless LAN**
  Enable the appropriate security on the wireless LAN you plan to use with your product. Network security such as a network password can deter interception of traffic over the wireless LAN. Your router may already have a default password enabled by your Internet service provider (ISP). See your ISP and router documentation for instructions on how to change the default password and better secure your network.

- **Connect your product only to a network protected by a firewall**
  Connecting your product directly to the Internet may leave it vulnerable to security threats. Instead, connect it to a router or other network connection protected by a firewall. Your router may already have a firewall set up by your Internet service provider; check with your ISP for confirmation. For best results, set up and use a private IP address for your network connection.

- **Change the default administrator password on your product**
  If your product has an option to set an administrator password, change the default administrator password to deter access by unauthorized users to personal data stored on your product, such as IDs, passwords, and contact lists.

Parent topic: Wi-Fi Networking
Wi-Fi Infrastructure Mode Setup

You can set up your product to communicate with your computer using a wireless router or access point. The wireless router or access point can be connected to your computer over a wireless or wired network.

1. Epson product
2. Wireless router or access point
3. Computer with a wireless interface
4. Computer
5. Internet
6. Ethernet cable (used only for wired connection to the wireless router or access point)

Selecting Wireless Network Settings from the Control Panel

Parent topic: Wi-Fi Networking
Selecting Wireless Network Settings from the Control Panel

You can select or change wireless network settings using your product control panel.

To install your product on a wireless network, follow the instructions on the Start Here sheet and install the necessary software. The installer program guides you through network setup.

**Note:** Breakdown or repair of this product may cause loss of network data and settings. Epson is not responsible for backing up or recovering data and settings during or after the warranty period. We recommend that you make your own backup or print out your network data and settings.

1. Press the home button, if necessary.
2. Press the arrow buttons to select Wi-Fi Setup and press the OK button.
   You see this screen:

3. Press the arrow buttons to select Wi-Fi (Recommended) and press the OK button twice.
4. Press the arrow buttons to select Wi-Fi Setup Wizard and press the OK button twice.
5. Press the arrow buttons to select the name of your wireless network and press the OK button. If you do not see your wireless network’s name, you can enter it manually.

   **Note:** To enter the wireless network name manually, select Other SSIDs and press the OK button. Enter your network name as described in the next step.
6. Enter your wireless password (or network name and then password).

- To scroll through the characters, press the up or down arrow button.
- To move the cursor to the right, press the right arrow button.
- To change the character case or type, press the reset button.
- To delete the previous character, press the left arrow button.
- When you finish entering characters, press the OK button.

7. If you want to print a network setup report, press the start button. (Otherwise, press the stop button.)

8. Press the OK button to exit, if necessary.

Your product should now display a Wi-Fi symbol on the LCD screen.

**Note:** If the Wi-Fi symbol is not displayed on the LCD screen, you may have selected the wrong network name or entered the password incorrectly. Repeat these steps to try again.

**Parent topic:** Wi-Fi Infrastructure Mode Setup

**Related tasks**

- Printing a Network Status Sheet
Wi-Fi Direct Mode Setup

You can set up your product to communicate directly with your computer or another device without requiring a wireless router or access point. In Wi-Fi Direct Mode, the product itself acts as a network access point for up to 4 devices.

1. Epson product
2. Computer with a wireless interface
3. Other wireless device

Enabling Wi-Fi Direct Mode

Enabling Wi-Fi Direct Mode

You can enable Wi-Fi Direct mode to allow direct communication between your product and computer or other devices without a wireless router or access point.

Note: If you are printing from a computer, make sure you installed the network software as described on the Start Here sheet.

1. Press the home button, if necessary.
2. Press the arrow buttons to select **Wi-Fi Setup** and press the **OK** button.
You see this screen:

You see this screen:

3. Press the arrow buttons to select **Wi-Fi Direct** and press the **OK** button.
4. Press the **OK** button until you see the network name and password on the LCD screen.
5. Press the down arrow button and press the **OK** button to change the Wi-Fi Direct password.

**Note:** If you have already connected devices or computers to your product via Wi-Fi Direct, they will be disconnected when you change the password.
6. Enter your Wi-Fi Direct password.

**Note:** Your password must be at least 8 and no more than 22 characters long.

- To scroll through the characters, press the up or down arrow button.
- To move the cursor to the right, press the right arrow button.
- To change the character case or type, press the reset button.
- To delete the previous character, press the left arrow button.
- When you finish entering characters, press the **OK** button.

7. Press the **OK** button.
8. Use your computer or wireless device to select the Wi-Fi network name (SSID) displayed on the LCD screen, then enter the password shown.

**Note:** Make a note of the SSID and password that appear.

9. Press the **OK** button to exit.

You see either an **AP** or **D** connection symbol on the LCD screen and should be able to connect to your product directly from your computer or device, and then print.

**Note:** If the **AP** or **D** connection symbol is not displayed in blue on the LCD screen, Wi-Fi Direct mode is not enabled. Repeat these steps to try again.
Wi-Fi Protected Setup (WPS)

If your network uses a WPS-enabled wireless router or access point, you can quickly connect your product to the network using Wi-Fi Protected Setup (WPS).

Note: To check if your router is WPS-enabled, look for a button labeled WPS on your router or access point. If there is no hardware button, there may be a virtual WPS button in the software for the device. Check your network product documentation for details.

Using WPS to Connect to a Network

Using WPS to Connect to a Network

If you have a WPS-enabled router or access point, you can use Wi-Fi Protected Setup (WPS) to connect your product to the network.

1. Press the WPS button on your router.
2. On the product, press the home button, if necessary.
3. Press the arrow buttons to select Settings > Network Settings > Wi-Fi Setup.
4. Press the arrow buttons to select Push Button (WPS) and press the OK button.
5. Follow the instructions on the LCD screen to complete WPS setup.
If the network connection is successful, the 🌐 icon is displayed on the LCD screen.

**Note:** If the 🌐 icon is not displayed on the LCD screen, repeat these steps to try again.

**Parent topic:** Wi-Fi Protected Setup (WPS)

## Printing a Network Status Sheet

You can print a network status sheet for detailed information about your product's network status.

1. Press the home button, if necessary.
2. Press the arrow buttons to select **Settings** and press the **OK** button.

   You see this screen:

   ![Printer Setup Screen](image)

3. Press the arrow buttons to select **Network Settings** and press the **OK** button.
4. Press the arrow buttons to select **Print Status Sheet** and press the **OK** button.
You see this screen:

![Screen with options: Yes and No]

5. Press the start button to print the network status sheet.
   If you want to cancel the operation, press the stop button.
Examine the settings shown on the network status sheet to diagnose any problems you have.

Parent topic: Wi-Fi Networking

**Printing a Network Connection Report**

You can print a network connection report to view solutions to any problems you may have using your product on a network.

1. Press the home button, if necessary.
2. Press the arrow buttons to select Settings and press the OK button.
You see a screen like this:

3. Press the arrow buttons to select **Network Settings** and press the **OK** button.
4. Press the arrow buttons to select **Connection Check** and press the **OK** button.
5. Press the \( \oplus \) start button to print the network connection report.

Examine the error codes and solutions shown on the network connection report.

- **Network Connection Report Codes and Messages**
- **Parent topic:** Wi-Fi Networking
Network Connection Report Codes and Messages

Check the error codes and messages on the network connection report to solve problems you may encounter with network connections. The tables here list solutions to problems based on the error codes and messages that may appear on the top of the report.

1. **Error code**
2. **Message**

**Note:** Error codes and messages listed here may not all apply to your product.

**Error Codes and Messages**

<table>
<thead>
<tr>
<th>Error code and message</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>Make sure your router, access point, and/or hub are turned on, and the network cable is securely connected to your device and to your product.</td>
</tr>
<tr>
<td>Error code and message</td>
<td>Solution</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------</td>
</tr>
<tr>
<td><strong>E2, E3, or E7</strong></td>
<td>Check the following:</td>
</tr>
<tr>
<td>No wireless network names (SSID) found. Confirm that the router/access point is turned on and the wireless network (SSID) is set up correctly. Contact your network administrator for assistance.</td>
<td>• Make sure your router or access point is turned on, and is correctly connected to your computer or network device.</td>
</tr>
<tr>
<td>No wireless network names (SSID) found. Confirm that the wireless network name (SSID) of the PC you wish to connect is set up correctly. Contact your network administrator for assistance.</td>
<td>• Turn off the router or access point, wait about 10 seconds, and turn it on again.</td>
</tr>
<tr>
<td>Entered security key/password does not match the one set for your router/access point. Confirm security key/password. Contact your network administrator for assistance.</td>
<td>• Move your product closer to your router or access point, and remove any obstacles between them. Also move your product away from devices such as wireless phones or microwaves.</td>
</tr>
<tr>
<td></td>
<td>• Confirm that the SSID shown on the network connection report matches the label on your router or access point. Also make sure your SSID uses only ASCII characters and symbols, or your product cannot display the SSID correctly.</td>
</tr>
<tr>
<td></td>
<td>• If you are trying to connect using the WPS push button method, make sure your router or access point supports it.</td>
</tr>
<tr>
<td></td>
<td>• If you are using a network password, check the label on your router or access point to confirm that you are using the correct password, or check with your network administrator or router/access point documentation.</td>
</tr>
<tr>
<td></td>
<td>• If you are connecting to a smart device that generates an SSID, check the device documentation for the SSID and password you should use.</td>
</tr>
<tr>
<td></td>
<td>• If your wireless connection suddenly disconnects, and another smart device was added to the network using a WPS push button method or your network was set up using a non-WPS push button method, try downloading and installing your product software again.</td>
</tr>
<tr>
<td>Error code and message</td>
<td>Solution</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------</td>
</tr>
</tbody>
</table>
| E5                     | If the security on your router or access point is not one of the following types, change the type of security on your router or access point and reset your product’s network settings.  
• WEP-64 bit (40 bit)  
• WEP-128 bit (104 bit)  
• WPA PSK (TKIP/AES); also known as WPA Personal  
• WPA2 PSK (TKIP/AES); also known as WPA2 Personal  
• WPA (TKIP/AES)  
• WPA2 (TKIP/AES)  
Also make sure you are connecting to the 2.4GHz band on your network and using the password for that band. |
| E6                     | If your router or access point has MAC address filtering enabled, register your product’s MAC address so it is not filtered. Locate the MAC address on the network connection report and check your router or access point documentation for instructions.  
If your router or access point is using shared authentication with WEP security, confirm that you are using the correct authentication key and index.  
If your router or access point limits the number of connected devices, raise the connection limit. See your router or access point documentation for instructions. |
| E8                     | If your product’s Obtain IP Address setting is set to Auto, enable DHCP on your router or access point. If it is set to Manual, the IP address may be out of range or on a different network segment; set a valid IP address using your product control panel or the Web Config utility.  
You can also try turning off your product and the router or access point, waiting about 10 seconds, and turning them on again. |
<table>
<thead>
<tr>
<th>Error code and message</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>E9</td>
<td>Confirm the connection and network setup of the PC or other device. Connection using the EpsonNet Setup is available. Contact your network administrator for assistance. Make sure your computer or network device are turned on. Also make sure that you can access the internet and other devices on the same network from the devices you are trying to connect to your product. If you still cannot connect to your product, turn off your router or access point, wait about 10 seconds, and turn it on again. Download and install your product software again to reset your network settings.</td>
</tr>
<tr>
<td>E10</td>
<td>Confirm IP address, subnet mask, and default gateway setup. Connection using the EpsonNet Setup is available. Contact your network administrator for assistance. Make sure other devices on the network are turned on and do the following:  • If your product's Obtain IP Address setting is set to Manual, check the IP address, subnet mask, and default gateway addresses on the network connection report to see if they are correct. If not, correct the settings.  • If DHCP is enabled, set your product's Obtain IP Address setting to Auto. If you want to use the DHCP-assigned address as a static address, set the Obtain IP Address setting to Manual, enter the product's IP address as listed on the network connection report, and set the subnet mask to 255.255.255.0. If you still cannot connect to your product, turn off your router or access point, wait about 10 seconds, and turn it on again.</td>
</tr>
<tr>
<td>E11</td>
<td>Setup is incomplete. Confirm default gateway setup. Connection using the EpsonNet Setup is available. Contact your network administrator for assistance. If you set your product's TCP/IP Setup setting to Manual, check that the default gateway address listed on the network connection report is correct. Also turn on the device that is set as the default gateway.</td>
</tr>
<tr>
<td>Error code and message</td>
<td>Solution</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| **E12**                | Make sure other devices on the network are turned on and do the following:  
  - Make sure the IP address, subnet mask, and default gateway addresses are correct, if you are entering them manually.  
  - Confirm that the subnet mask and default gateway addresses for other devices are the same.  
  - Make sure the IP address does not conflict with other devices.  
  If you still cannot connect to your product, do the following:  
  - Turn off your router or access point, wait about 10 seconds, and turn it on again.  
  - Download and install your product software again to reset your network settings.  
  - If your router or access point uses WEP security with several registered passwords, make sure that the first registered password is set on your product. |
| **E13**                | Make sure your router, access point, and/or hub are turned on. Also make sure the TCP/IP setup on your router, access point, and/or hub is not set manually; this may cause your product's network settings to differ from the manually setup devices.  
  If you still cannot connect to your product, do the following:  
  - Turn off your router or access point, wait about 10 seconds, and turn it on again.  
  - Download and install your product software again to reset your network settings.  
  - If your router or access point uses WEP security with several registered passwords, make sure that the first registered password is set on your product. |
### Network Environment Messages

<table>
<thead>
<tr>
<th>Message</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The same SSID may be set on several access points.</td>
<td>Check the settings on your router and other access points to make sure each one uses a different SSID.</td>
</tr>
<tr>
<td>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.</td>
<td>Move your product closer to your router or access point, and remove any obstacles between them. Then turn off your router or access point, wait about 10 seconds, and turn it back on again. If you still cannot connect to your product, check the documentation that came with your router or access point for solutions.</td>
</tr>
<tr>
<td>*No more devices can be connected. Disconnect one of the connected devices if you want to add another one.</td>
<td>You can connect up to four computers or other devices to your product using a Wi-Fi Direct (Simple AP) connection. If you want to add another device, disconnect an existing connected device first.</td>
</tr>
</tbody>
</table>

**Parent topic:** Printing a Network Connection Report

### Changing or Updating Network Connections

See these sections to change or update how your product connects to a network.

- Accessing the Web Config Utility
- Changing a USB Connection to a Wi-Fi Connection
- Connecting to a New Wi-Fi Router
- Disabling Wi-Fi Features

**Parent topic:** Wi-Fi Networking

### Accessing the Web Config Utility

You can select your product's network settings and confirm its operating status using a web browser. You do this by accessing your product's built-in Web Config utility from a computer or other device that is connected to the same network as your product.

1. Print a network status sheet.
2. Locate the IP address for your product that is listed on the network status sheet.
3. On a computer or other device connected to the same network as your product, open a web browser.
4. Enter your product's IP address into the address bar.
   You see the available Web Config utility options.

Parent topic: Changing or Updating Network Connections

Related tasks
Printing a Network Status Sheet

Changing a USB Connection to a Wi-Fi Connection

If you have already connected your product to your computer using a USB connection, you can change to a Wi-Fi connection.

1. Disconnect the USB cable from your product.
2. Uninstall your product software.
3. Download and install your product software from the Epson website using the instructions on the Start Here sheet.

Parent topic: Changing or Updating Network Connections

Related concepts
Uninstall Your Product Software

Connecting to a New Wi-Fi Router

If you change the wireless router you have been using on your network, you need to update your product's Wi-Fi connection to the new router.

Note: If you switch to a 5 GHz wireless router, set the router to operate in dual band (2.4 GHz and 5 GHz) mode. See your router documentation for instructions.

1. Do one of the following:
   • Windows: Uninstall your product software.
   • Mac: Go to the next step.
2. Download and install your product software from the Epson website using the instructions on the Start Here sheet.

Parent topic: Changing or Updating Network Connections
Disabling Wi-Fi Features

You may need to disable your product's Wi-Fi features if you change your network connection type or need to solve a problem with your network connection.

Note: Before disabling Wi-Fi features, make a note of your product's SSID (network name) and password, and any network settings selected for the Epson Connect services you may use.

1. Press the home button, if necessary.
2. Press the arrow buttons to select Settings and press the OK button.
3. Press the arrow buttons to select Network Settings and press the OK button.
   
   You see this screen:

   ![Network Settings Screen]

4. Press the arrow buttons to select Wi-Fi Setup and press the OK button.
5. Press the arrow buttons to select Disable Wi-Fi and press the OK button.
6. Press the OK button to disable Wi-Fi.

Parent topic: Changing or Updating Network Connections
Loading Paper

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

Loading Paper in the Sheet Feeder
Paper Loading Capacity
Double-sided Printing Capacity
Compatible Epson Papers
Borderless Paper Type Compatibility
Paper or Media Type Settings - Printing Software
Selecting the Paper Settings - Control Panel
Selecting the Default Paper Source Settings

Loading Paper in the Sheet Feeder

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

1.  Flip the feeder guard forward, then raise the paper support.
2. Pull out the output tray.

3. Slide the edge guides out all the way.

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

**Note:** Do not fan or curl photo paper.
5. Do one of the following:
   • Insert paper, glossy or printable side up and short edge first, at the center of the paper support.

   ![Insert paper illustration]

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

   ![Load envelopes illustration]

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

   ![Load loose-leaf illustration]
• To load a sheet of paper longer than legal size, close the paper support and output tray, then flatten the leading edge of the paper as shown.

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

7. If prompted by the product's LCD screen, select the size and type of the paper you loaded and press the OK button.

   **Note:** If you are printing on letterhead, make sure you select **Letterhead** as the paper type. Make sure you select the correct paper size setting.

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

Parent topic: Loading Paper

Related references

Paper Loading Capacity

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

Parent topic: Loading Paper

Double-sided Printing Capacity

You can print double-sided using Auto or Manual mode on the paper types and sizes listed here.
<table>
<thead>
<tr>
<th>Paper type</th>
<th>Size</th>
<th>Double-sided printing capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Auto</td>
</tr>
<tr>
<td>Plain paper</td>
<td>Letter (8.5 × 11 inches [216 × 279 mm]) or A4</td>
<td>Up to the line indicated by the triangle mark</td>
</tr>
<tr>
<td></td>
<td>(6.3 × 11.7 inches [210 × 297 mm])</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A5 (5.8 × 8.2 inches [148 × 210 mm]), A6</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>(4.1 × 5.8 inches [105 × 148 mm])</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Legal (8.5 × 14 inches [216 × 356 mm])</td>
<td>—</td>
</tr>
<tr>
<td>Copier paper</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Epson Bright White Paper</td>
<td>Up to the line indicated by the triangle mark</td>
</tr>
<tr>
<td></td>
<td>Epson Premium Presentation Paper Matte Double-sided</td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
</tr>
</tbody>
</table>

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

- Epson Presentation Paper Matte
- Epson Photo Paper Glossy
- Epson Premium Photo Paper Glossy
- Epson Premium Photo Paper Semi-gloss
- Epson Ultra Premium Photo Paper Glossy
- Epson Premium Presentation Paper Matte
- Letterhead
- Envelopes

**Parent topic:** Loading Paper
## Compatible Epson Papers

<table>
<thead>
<tr>
<th>Paper Type</th>
<th>Size</th>
<th>Part number</th>
<th>Sheet count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epson Bright White Paper</td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S041586</td>
<td>500</td>
</tr>
<tr>
<td>Epson Presentation Paper Matte</td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S041062</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Legal (8.5 × 14 inches [216 × 356 mm])</td>
<td>S041067</td>
<td>100</td>
</tr>
<tr>
<td>Epson Premium Presentation Paper Matte</td>
<td>8 × 10 inches (203 × 254 mm)</td>
<td>S041467</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S041257</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S042180</td>
<td>100</td>
</tr>
<tr>
<td>Epson Premium Presentation Paper Matte Double-sided</td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S041586</td>
<td>50</td>
</tr>
<tr>
<td>Epson Photo Paper Glossy</td>
<td>4 × 6 inches (102 × 152 mm)</td>
<td>S041809</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S042038</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S041141</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S041649</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S041271</td>
<td>100</td>
</tr>
<tr>
<td>Epson Premium Photo Paper Glossy</td>
<td>4 × 6 inches (102 × 152 mm)</td>
<td>S041808</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S041727</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>16:9 wide (4 × 7.1 inches [102 × 181 mm])</td>
<td>S042109</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>5 × 7 inches (127 × 178 mm)</td>
<td>S041464</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>8 × 10 inches (203 × 254 mm)</td>
<td>S041465</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S042183</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S041667</td>
<td>50</td>
</tr>
<tr>
<td>Paper Type</td>
<td>Size</td>
<td>Part number</td>
<td>Sheet count</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-----------------------------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Epson Ultra Premium Photo Paper Glossy</td>
<td>4 × 6 inches (102 × 152 mm)</td>
<td>S042181</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S042174</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>5 × 7 inches (127 × 178 mm)</td>
<td>S041945</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>8 × 10 inches (203 × 254 mm)</td>
<td>S041946</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S042182</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S042175</td>
<td>50</td>
</tr>
<tr>
<td>Epson Premium Photo Paper Semi-gloss</td>
<td>4 × 6 inches (102 × 152 mm)</td>
<td>S041982</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>Letter (8.5 × 11 inches [216 × 279 mm])</td>
<td>S041331</td>
<td>20</td>
</tr>
</tbody>
</table>

**Parent topic:** Loading Paper

**Borderless Paper Type Compatibility**

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

**Borderless Paper Types**

- Plain paper in Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]) size only

**Note:** You cannot print a borderless photo from a memory card.

- Epson Bright White Paper
- Epson Photo Paper Glossy
- Epson Premium Photo Paper Glossy
- Epson Ultra Premium Photo Paper Glossy
- Epson Premium Photo Paper Semi-gloss
- Epson Premium Presentation Paper Matte
- Epson Premium Presentation Paper Matte Double-sided

**Borderless Paper Sizes**

- 4 × 6 inches (102 × 152 mm)
• 5 × 7 inches (127 × 178 mm)
• 16:9 wide (4 × 7.1 inches [102 × 181 mm])
• A4 (8.3 × 11.7 inches [210 × 297 mm])
• Letter (8.5 × 11 inches [216 × 279 mm])

Parent topic: Loading Paper

**Paper or Media Type Settings - Printing Software**

<table>
<thead>
<tr>
<th>For this paper</th>
<th>Select this paper Type or Media Type setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain paper</td>
<td>Plain Paper / Bright White Paper</td>
</tr>
<tr>
<td>Epson Bright White Paper</td>
<td></td>
</tr>
<tr>
<td>Letterhead paper</td>
<td>Letterhead</td>
</tr>
<tr>
<td>Envelopes</td>
<td>Envelope</td>
</tr>
<tr>
<td>Epson Ultra Premium Photo Paper Glossy</td>
<td>Ultra Premium Photo Paper Glossy</td>
</tr>
<tr>
<td>Epson Premium Photo Paper Glossy</td>
<td>Premium Photo Paper Glossy</td>
</tr>
<tr>
<td>Epson Photo Paper Glossy</td>
<td>Photo Paper Glossy</td>
</tr>
<tr>
<td>Epson Premium Photo Paper Semi-gloss</td>
<td>Premium Photo Paper Semi-Gloss</td>
</tr>
<tr>
<td>Epson Presentation Paper Matte</td>
<td>Premium Presentation Paper Matte</td>
</tr>
<tr>
<td>Epson Premium Presentation Paper Matte</td>
<td></td>
</tr>
<tr>
<td>Epson Premium Presentation Paper Matte Double-sided</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The settings listed here are available only when printing from your computer; they do not apply to your product's control panel settings.

Parent topic: Loading Paper

**Selecting the Paper Settings - Control Panel**

You can change the default paper size and paper type using the control panel on the product.
Note: These settings appear automatically when paper is inserted when you set the Paper Setup Auto Display setting to On.

1. Press the home button, if necessary.
   You see a screen like this:

   ![Paper Setting screen]

4. Select the paper size you loaded.
5. Select Paper Type.
6. Select the paper type you loaded.
7. Select the home button to exit.

Paper or Media Type Settings - Control Panel

Parent topic: Loading Paper

**Paper or Media Type Settings - Control Panel**

<table>
<thead>
<tr>
<th>For this paper</th>
<th>Select this Paper Type setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain paper</td>
<td>Plain Paper</td>
</tr>
<tr>
<td>Epson Bright White Paper</td>
<td></td>
</tr>
</tbody>
</table>
For this paper | Select this Paper Type setting  
--- | ---  
Letterhead paper | Letterhead  
Epson Premium Photo Paper Glossy | Prem. Glossy  
Epson Ultra Premium Photo Paper Glossy | Ultra Glossy  
Epson Photo Paper Glossy | Glossy  
Epson Premium Photo Paper Semi-gloss | Prem. Semi-Gloss  
Epson Presentation Paper Matte | Prem. Matte  
Epson Premium Presentation Paper Matte | Prem. Matte  
Epson Premium Presentation Paper Matte Double-sided |  
Envelope | Envelope

Parent topic: Selecting the Paper Settings - Control Panel

Selecting the Default Paper Source Settings

You can change default paper source settings using the control panel on the product.

1. Press the home button, if necessary.
2. Select Settings > Printer Setup.

You see a screen like this:

![Printer Setup screen](image)

You see a screen like this:
3. Select **Auto Error Solver** and select one of these options:
   - Turn on this setting to display a warning and print single-sided when a 2-sided printing error occurs, or to print only what the printer could process when a memory full error occurs.
   - Turn off this setting to display an error message and stop printing if an error occurs.

4. Select the **Paper Source Settings** options you want to use.

5. When you are finished, press the home button to exit.

**Paper Source Settings Options**

Select the paper source options you want to use for your print jobs.

<table>
<thead>
<tr>
<th>Paper Source Settings option</th>
<th>Available settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper Setting</td>
<td>Various</td>
<td>Select the paper size and type for each paper source</td>
</tr>
<tr>
<td>A4/Letter Auto Switching</td>
<td>On</td>
<td>Select <strong>On</strong> to switch the selected paper size to match the loaded paper (Letter or A4) if the wrong size is selected</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Error Notice</td>
<td>Paper Size Notice</td>
<td>Select <strong>On</strong> for either of these settings to display an error message when the selected paper type or size does not match the loaded paper</td>
</tr>
<tr>
<td></td>
<td>Paper Type Notice</td>
<td></td>
</tr>
<tr>
<td>Paper Setup Auto Display</td>
<td>On</td>
<td>Select <strong>On</strong> to automatically display a menu that lets you select the paper size and type when you load paper in the product.</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td><strong>Note:</strong> If this setting is disabled, you cannot print using AirPrint.</td>
</tr>
</tbody>
</table>

**Parent topic:** Selecting the Default Paper Source Settings
Placing Originals on the Product

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

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

**Placing Originals on the Scanner Glass**

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

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

![Scanner Glass Diagram]

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

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

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

**Parent topic:** Placing Originals on the Product
Related topics
Copying
Scanning
Copying

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

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

**Copying Documents or Photos**

**Copying Options**

**Copying Documents or Photos**

You can copy color or black-and-white documents or photos onto various sizes and types of paper, including Epson special papers.

1. Place your original document or photo on the scanner glass.
2. Load the paper you want to print on in the product.
3. Press the home button, if necessary.
4. Press the left or right arrow button to select **Copy** and press the **OK** button.

You see this screen:

![Copy Screen](image)

5. To print more than one copy, press the up or down arrow button to select the number (up to 99).
6. Press the left or right arrow button to select one of the following:
   • **Color**: for color copies
   • **B&W**: for black-and-white copies

7. Press the **OK** button to view the print settings for the copies.
   You see this screen:

![Copy settings screen](image)

8. Press the down arrow button to view the individual settings.
   You see this screen:

![Individual settings screen](image)
9. To change the print settings, press the left or right arrow button and select the necessary settings. When you are finished, press the OK button.

10. When you are ready to copy, press the start button.

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

**Parent topic:** Copying

**Related topics**

Loading Paper

---

**Copying Options**

Select the copying options you want to use for your copies.

**Note:** Not all options or settings may be available, depending on other copying settings.

**Print Settings**

<table>
<thead>
<tr>
<th>Copying option</th>
<th>Available settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Sided</td>
<td>1-&gt;1-Sided</td>
<td>Select to make 2-sided copies. When you select 1-&gt;2-Sided, also select the orientation and binding edge for your originals or copies.</td>
</tr>
<tr>
<td></td>
<td>1-&gt;2-Sided</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>Varying levels</td>
<td>Adjusts the lightness or darkness of copies</td>
</tr>
<tr>
<td>Paper Size</td>
<td>Various settings</td>
<td>Selects the paper size</td>
</tr>
<tr>
<td>Paper Type</td>
<td>Various settings</td>
<td>Selects the paper type</td>
</tr>
<tr>
<td>Reduce/Enlarge</td>
<td>Actual Size</td>
<td>Copies the original at its full size</td>
</tr>
<tr>
<td></td>
<td>Auto Fit</td>
<td>Automatically sizes the image to fit the paper size you selected</td>
</tr>
<tr>
<td></td>
<td>Custom 100% and other conversions</td>
<td>Displays the amount to re-size the original. Change the amount by adjusting the Custom Size setting.</td>
</tr>
<tr>
<td>Custom Size</td>
<td>25 - 400 in 1% increments</td>
<td>Adjusts the amount to re-size the original.</td>
</tr>
<tr>
<td>Original Size</td>
<td>Various sizes</td>
<td>Select the document size of your original</td>
</tr>
<tr>
<td>Copying option</td>
<td>Available settings</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Multi-Page</td>
<td>Single Page</td>
<td>Copies each page of the original onto an individual sheet</td>
</tr>
<tr>
<td></td>
<td>2-up</td>
<td>Copies multiple page documents onto one sheet. Scroll down and select the document orientation and layout order settings as necessary.</td>
</tr>
<tr>
<td>Quality</td>
<td>Draft</td>
<td>Adjusts the quality of your copies</td>
</tr>
<tr>
<td></td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Best</td>
<td></td>
</tr>
<tr>
<td>ID Card Copy</td>
<td>Off</td>
<td>Select <strong>On</strong> to copy both sides of an ID card onto one side of a sheet of paper</td>
</tr>
<tr>
<td></td>
<td>On</td>
<td></td>
</tr>
<tr>
<td>Borderless</td>
<td>Off</td>
<td>Adjusts the amount to expand the original photo when printing borderless photos</td>
</tr>
<tr>
<td></td>
<td>On</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Standard</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Minimum</td>
<td></td>
</tr>
</tbody>
</table>

**Parent topic:** Copying
Printing from a Computer

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

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

Printing with Windows
Printing with the Built-in Epson Driver - Windows 10 S
Printing on a Mac
Printing From a Chromebook
Cancelling Printing Using a Product Button

Printing with Windows

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

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

Selecting Basic Print Settings - Windows
Selecting Double-sided Printing Settings - Windows
Selecting Additional Layout and Print Options - Windows
Selecting a Printing Preset - Windows
Selecting Extended Settings - Windows
Printing Your Document or Photo - Windows
Locking Printer Settings - Windows
Selecting Default Print Settings - Windows
Changing Automatic Update Options

**Parent topic:** Printing from a Computer
Selecting Basic Print Settings - Windows

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

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

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

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

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

You see the **Main** tab of your printer settings window:
4. Select the size of the paper you loaded as the **Document Size** setting.

   **Note:** You can also select the User-Defined setting to create a custom paper size, but you cannot use the Borderless setting and the Quality setting will be set to Standard.

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

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

6. Select the orientation of your document.

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

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

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

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

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

10. To print on both sides of the paper, select the **2-Sided Printing** setting and select the options you want.

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

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

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

14. To save your print job as a project that can be modified and combined with other print jobs, select **Job Arranger Lite**.
15. To reduce noise during printing when you select **Plain Paper/Bright White Paper**, select **On** in the Quiet Mode menu.

**Note:** Enabling **Quiet Mode** may reduce printing speed.

**Print Quality Options - Windows**

**Multi-Page Printing Options - Windows**

**Parent topic:** Printing with Windows

**Related references**

- Paper or Media Type Settings - Printing Software
- Borderless Paper Type Compatibility

**Related tasks**

- Selecting Double-sided Printing Settings - Windows

**Print Quality Options - Windows**

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

- **Draft**
  - For draft printing on plain paper.

- **Standard**
  - For everyday text and image printing.

- **Standard - Vivid**
  - For text and graphics with good quality and print speed.

- **High**
  - For photos and graphics with high print quality.

- **More Settings**
  - Opens a window that lets you choose among levels of speed and quality.

**Parent topic:** Selecting Basic Print Settings - Windows

**Multi-Page Printing Options - Windows**

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

- **2-Up and 4-Up**
  - Prints 2 or 4 pages on one sheet of paper. Click the **Page Order** button to select page layout and border options.
2×1 Poster, 2×2 Poster, 3×3 Poster, 4×4 Poster
Prints one image on multiple sheets of paper to create a larger poster. Click the Settings button to select image layout and guideline options.

Parent topic: Selecting Basic Print Settings - Windows

Selecting Double-sided Printing Settings - Windows
You can print on both sides of the paper by selecting one of the 2-Sided Printing options on the Main tab.

Note: Some options may be pre-selected or unavailable, depending on other settings you have chosen or if you are accessing the product over a network.

1. Select one of the following options for 2-Sided Printing:
   - Auto (Long-edge binding) to print your double-sided print job by automatically flipping the paper on the long edge.
   - Auto (Short-edge binding) to print your double-sided print job by automatically flipping the paper on the short edge.
   - Manual (Long-edge binding) to print your double-sided print job by printing one side and prompting you to flip the paper over on the long edge to print the other side (recommended for paper types that do not support automatic duplexing).
   - Manual (Short-edge binding) to print your double-sided print job by printing one side and prompting you to flip the paper over on the short edge to print the other side (recommended for paper types that do not support automatic duplexing).

2. Click the Settings button.
You see this window:

3. Select the double-sided printing options you want to use.
4. Click OK to return to the Main tab.
5. Click the **Print Density** button.
   You see this window:

![Print Density Adjustment window]

6. Select the type of document you are printing as the Document Type setting. The software automatically sets the **Adjustments** options for that document type.

7. If necessary, select the **Adjustments** options you want to use.

8. Click **OK** to return to the **Main** tab.

9. Print a test copy of your double-sided document to test the selected settings.

10. Follow any instructions displayed on the screen during printing.

   - **Double-sided Printing Options - Windows**
   - **Print Density Adjustments - Windows**

**Parent topic:** Printing with Windows

**Related tasks**
- **Selecting Basic Print Settings - Windows**

**Double-sided Printing Options - Windows**

You can select any of the available options on the Binding Settings window to set up your double-sided print job.
Binding Edge Options
Select a setting that orients double-sided print binding in the desired direction.

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

Start Page
Selects whether printing starts on the front or back page.

Create Folded Booklet Options
Select the Booklet checkbox and a binding option to print double-sided pages as a booklet.

Parent topic: Selecting Double-sided Printing Settings - Windows

Print Density Adjustments - Windows
You can select any of the available options on the Print Density Adjustment window to adjust the print quality of your double-sided print job.

Print Density
Sets the level of ink coverage for double-sided printing.

Increase Ink Drying Time
Sets the amount of time required for drying ink after printing on one side of the paper before printing the other side in double-sided printing to prevent ink smearing.

Parent topic: Selecting Double-sided Printing Settings - Windows
Selecting Additional Layout and Print Options - Windows

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

1. To change the size of your printed document or photo, select the Reduce/Enlarge Document checkbox and select one of these sizing options:
   - Select the Fit to Page option to size your image to fit the paper you loaded. Select the size of your document or photo as the Document Size setting, and the size of your paper as the Output Paper setting. If you want to center your image on the paper, select the Center option.
   - Select the Zoom to option to reduce or enlarge your document or photo by a specific percentage. Select the percentage in the % menu.

2. Select one of the following Color Correction options:
   - Select Automatic to automatically adjust the sharpness, brightness, contrast, and color saturation for your image.
• Select **Custom** and click the **Advanced** button to manually adjust the color correction settings or turn off color management in your printer software.

• Select **Image Options** to access additional settings for improving printed images.

  **Note:** You can also select **Color Universal Print** settings.

3. To add the following features, click the **Watermark Features** button:
   • **Anti-Copy Pattern:** adds a watermark that only appears when your printout is copied
   • **Watermark:** adds a visible watermark to your printout
   • **Header/Footer:** adds information such as the date and time to the top or bottom of your printout

  **Note:** Click the **Settings** button to customize the text and location of the header or footer.

4. Select any of the Additional Settings options to customize your print.

   Custom Color Correction Options - Windows
   Image Options and Additional Settings - Windows
   Header/Footer Settings - Windows

**Parent topic:** Printing with Windows
**Custom Color Correction Options - Windows**

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

![Color Correction Window](image)

**Color Controls**

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

**Fix Photo**

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

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

No Color Adjustment
   Turns off color management in your printer software so you can manage color using only your application software.

Parent topic: Selecting Additional Layout and Print Options - Windows

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

Image Options

Emphasize Text
   Adjusts the weight of printed text to increase readability.

Emphasize Thin Lines
   Adjusts the weight of printed lines to increase visibility.

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

Fix Red-Eye
   Reduces or removes red-eye in photos.

Print Text in Black
   Prints colored text in black.

For Color Text
   Prints colored text on a background pattern or underlined.

For Color Graphs and Images
   Prints colored graphics and images with overlay patterns.

For Color Text, Graphs, and Images
   Prints colored text, graphics, and images with overlay patterns.

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

Additional Settings Options

Rotate 180°
   Prints the image rotated 180° from its original orientation.
High Speed
Speeds up printing but may reduce print quality.

Mirror Image
Flips the printed image left to right.

Parent topic: Selecting Additional Layout and Print Options - Windows

Header/Footer Settings - Windows

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

Note: These settings are not saved with your document.

You can select to print the following information:

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

Note: The user name, computer name, date, and time come from the Windows Control Panel on your computer.
Selecting a Printing Preset - Windows

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

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

1. Click the Main or More Options tab.
   
   You see the available Printing Presets on the left:

   ![Printing Presets](image)

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

Parent topic: Printing with Windows

Selecting Extended Settings - Windows

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

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

You see the maintenance options:
4. Click the **Extended Settings** button.
   You see this window:
   
   ![Extended Settings Window](image)

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

**Extended Settings - Windows**

**Parent topic:** Printing with Windows

**Extended Settings - Windows**

You can select from these settings on the Extended Settings window.

**Enable EPSON Status Monitor 3**

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

**Separator Page**

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

**Remove white borders**

Removes white margins that may appear when you print borderless photos.
Always Spool RAW Datatype
Increases print speed and may solve other printing problems.

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

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

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

Change Standard Resolution
Reduces the resolution of print data to correct printing problems.

Refine screening pattern
Prints graphics with a finer screening pattern.

Allow Applications to Perform ICM Color Matching
Allows applications to perform ICM color matching.

Always Use the Driver’s Paper Source Setting
Prints using the paper source setting in the printer driver, rather than the setting in your application.

Output 1 page documents facedown in 2-Sided mode
Outputs single-sided pages in a 2-sided print job facedown instead of faceup.

Output documents for filing
Outputs all landscape, portrait, 1-sided, and 2-sided documents in the same orientation for easier filing.

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

Parent topic: Selecting Extended Settings - Windows

Printing Your Document or Photo - Windows

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

1. Click OK to save your settings.
You see your application's Print window, such as this one:

2. Click OK or Print to start printing.

Parent topic: Printing with Windows

Locking Printer Settings - Windows

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

1. Do one of the following:

   • **Windows 10**: Click and select (Settings) > Devices > Printers & scanners. Select your product name and select Manage > Printer properties.

   • **Windows 8.x**: Navigate to the Apps screen and select Control Panel > Hardware and Sound > Devices and Printers. Right-click your product and select Printer properties.

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

2. Click the **Optional Settings** tab.

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

3. Click **Driver Settings.**

   You see this window:

   ![Driver Settings window](image)

4. Select the checkbox for each setting you want to lock. To lock all print settings, select **All Document Settings.**

5. Under **Advanced Settings,** select the setting option you want to use for each locked setting.

6. Click **OK.**

   **Locked Setting Options**

   **Parent topic:** Printing with Windows
# Locked Setting Options

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

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

Parent topic: Locking Printer Settings - Windows
Selecting Default Print Settings - Windows

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

1. Access the Windows Desktop and right-click the icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click.
2. Select Printer Settings.
   
   You see the printer settings window:
   
   ![Printer Settings Window]
   
   3. Select the print settings you want to use as defaults in all your Windows programs.
4. Click OK.
   
   These settings are now the defaults selected for printing. You can still change them as needed for printing in any program session.
Changing the Language of the Printer Software Screens

Parent topic: Printing with Windows

Changing the Language of the Printer Software Screens

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

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

4. Select the language you want to use as the Language setting.
5. Click **OK** to close the printer software window.
The printer software screens appear in the language you selected the next time you access them.

**Parent topic:** Selecting Default Print Settings - Windows

### Changing Automatic Update Options

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

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

![Software Update Settings](image)

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

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

**Parent topic:** Printing with Windows
Printing with the Built-in Epson Driver - Windows 10 S

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

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

Selecting Print Settings - Windows 10 S

Parent topic: Printing from a Computer

Selecting Print Settings - Windows 10 S

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

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

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

   Note: You may also need to select Properties or Preferences to view your print settings.
You see a window like this:

4. Select the type of paper you loaded as the **Media** setting.
   
   **Note:** The setting may not exactly match the name of your paper. Check the paper type settings list for details.

5. Click the **Advanced** button.
6. Select the size of the paper you loaded as the **Paper Size** setting.
7. To print multiple copies, select or enter the number as the **Copy Count** setting.
8. To print multiple copies of multi-page documents in sets, select the **Collated** checkbox.
9. Click **OK**.
   
   You return to the printing preferences window.
10. Select the **Layout** tab.

11. Select the orientation of your document as the **Orientation** setting.
12. To print double-sided, select one of the **Print on Both Sides** options, depending on how you want to orient the page layout. The icon next to each option shows the layout.

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

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

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

**Parent topic:** Printing with the Built-in Epson Driver - Windows 10 S

## Printing on a Mac

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

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

- [Selecting Basic Print Settings - Mac](#)
- [Selecting Page Setup Settings - Mac](#)
Selecting Print Layout Options - Mac
Selecting Double-sided Printing Settings - Mac
Managing Color - Mac
Selecting Printing Preferences - Mac
Printing Your Document or Photo - Mac

Parent topic: Printing from a Computer

Selecting Basic Print Settings - Mac

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

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

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

3. Select your product as the Printer setting.

4. If necessary, click the arrow next to the Printer setting or the Show Details button to expand the print window.
You see the expanded printer settings window for your product:

![Printer Settings Window]

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

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

**Note:** If you do not see these settings in the print window, check for them in your application before printing.
6. Select the page setup options: **Paper Size** and **Orientation**.

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

7. Select any application-specific settings that appear on the screen, such as those shown in the image above for the Preview application.

8. Select **Print Settings** or **Printer Features** from the pop-up menu.

You see these settings:
9. Select the type of paper you loaded as the **Media Type** setting.

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

10. Select the **Print Quality** setting you want to use.

11. Select the **Borderless** checkbox if you want to print a borderless photo. If the option is grayed out, change the **Media Type** setting to a paper type that supports borderless printing.

12. Select any of the available print options.

   **Print Quality Options - Mac**

   **Print Options - Mac**

   **Parent topic:** Printing on a Mac

   **Related tasks**

   - Printing Your Document or Photo - Mac
   - Selecting Page Setup Settings - Mac

**Print Quality Options - Mac**

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

- **Draft**
  - For draft printing on plain paper.

- **Normal**
  - For everyday text and image printing.

- **Normal - Vivid**
  - For everyday text and image printing with good quality and print speed.

- **Quality**
  - For text and graphics with increased quality and print speed.

- **Best Quality**
  - For the best print quality, but the slowest print speed.

**Parent topic:** Selecting Basic Print Settings - Mac

**Print Options - Mac**

You can select any of the print options to customize your print. Some options may be unavailable, depending on other settings you have chosen.
Expansion
If you selected a borderless paper size setting, this option adjusts the image expansion settings to control printing at the edges of borderless prints.

Grayscale
Prints text and graphics in black or shades of gray.

Mirror Image
Lets you flip the printed image horizontally.

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

Parent topic: Selecting Basic Print Settings - Mac

Selecting Page Setup Settings - Mac
Depending on your application, you may be able to select the paper size and orientation settings from the print window.

![Paper Size and Orientation Settings]

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

1. Select the size of the paper you loaded as the Paper Size setting. If you are printing a borderless photo, select the Borderless checkbox or a paper size with a Borderless option. You can also select a custom setting to create a custom paper size, but the Quality setting will be limited to Normal.

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

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

   Note: If you are printing an envelope, select the icon.
**Note:** You can reduce or enlarge the size of the printed image by selecting **Paper Handling** from the pop-up menu and selecting a scaling option.

**Parent topic:** Printing on a Mac

### Selecting Print Layout Options - Mac

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

![Print Layout Options](image)

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

**Parent topic:** Printing on a Mac
Selecting Double-sided Printing Settings - Mac

You can print on both sides of the paper by selecting Two-sided Printing Settings from the pop-up menu on the print window.

Note: Some options may be pre-selected or unavailable, depending on other settings you have chosen or if you are accessing the product over a network. This screen may be different, depending on the Mac OS version you are using.

1. Select one of the Two-sided Printing options.
2. Select the type of document you are printing as the **Document Type** setting. The software automatically sets the Adjustments options for that document type.

3. If necessary, customize the Adjustments settings as instructed on the screen.
4. Print a test copy of your double-sided document to test the selected settings.
5. Follow any instructions displayed on the screen during printing.

**Double-sided Printing Options and Adjustments - Mac**

**Parent topic:** Printing on a Mac

**Double-sided Printing Options and Adjustments - Mac**

You can select any of the available options in the **Two-sided Printing Settings** pop-up menu to set up your double-sided print job.

**Long-Edge binding**

Orients double-sided printed pages to be bound on the long edge of the paper.
Short-Edge binding
    Orient double-sided printed pages to be bound on the short edge of the paper.

Print Density
    Sets the level of ink coverage for double-sided printing.

Increased Ink Drying Time
    Sets the amount of time required for drying ink after printing on one side of the paper before printing the other side in double-sided printing.

Parent topic: Selecting Double-sided Printing Settings - Mac

Managing Color - Mac

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

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

   ![Color Matching Menu](image)

2. Select one of the available options.

3. Select **Color Options** from the pop-up menu in the print window.

   ![Color Options Menu](image)
Note: The available settings on the Color Options menu depend on the option you selected on the
Color Matching menu.

4. Select one of the available options.

Parent topic: Printing on a Mac

Color Matching and Color Options - Mac

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

Color Matching Settings

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

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

Color Options Settings

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

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

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

Off (No Color Adjustment)
Turns off color management in your printer software so you can manage color using only your
application software.
Note: An ICC profile is required if color management is turned off.

Parent topic: Managing Color - Mac

Selecting Printing Preferences - Mac

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

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

You see a screen like this:

![Printing Preferences screen]

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

Printing Preferences - Mac

Parent topic: Printing on a Mac
Printing Preferences - Mac

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

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

Quiet Mode
Lessens noise during printing but may decrease print speed.

High Speed Printing
Speeds up printing but may reduce print quality.

Output documents for filing
Outputs all landscape, portrait, 1-sided, and 2-sided documents in the same orientation for easier filing.

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

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

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

Parent topic: Selecting Printing Preferences - Mac

Printing Your Document or Photo - Mac

Once you have selected your print settings, you are ready to print.
Click **Print** at the bottom of the print window.
Selecting Printing Preferences - Mac

Checking Print Status - Mac

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

1. Click the printer icon when it appears in the Dock.
   You see the print status window:

2. Select the following options as necessary for your Mac OS version:
   • To cancel printing, click the print job and click or Delete.
   • To pause a print job, click the print job and click or Hold. To resume a print job, click the paused print job and click or Resume.
   • To pause printing for all queued print jobs, click Pause or Pause Printer.
   • To display other printer information, click Settings or Supply Levels.

Parent topic: Printing Your Document or Photo - Mac

Printing From a Chromebook

With a Google Account, you can print from a Chromebook without drivers or cables.

1. Connect your Epson product to your wireless network. See the link below.
2. Turn on your Chromebook and connect it to the same wireless network as your product.

   **Note:** See your Chromebook's documentation for details on connecting to a network.

3. Do one of the following:
   - Click **Add to Cloud Print** in the notification that appears in the corner of your Chromebook screen.
     
     **Note:** If you do not see a notification, check to see if a number appears in the status area at the lower-right corner of the screen. Click this number to open the notifications menu, then click **Add to Cloud Print**.
   - Open a web browser and enter `chrome://devices` in the address bar. Skip to step 4.
   - If you see a registration confirmation screen instead, click **Register**.

4. Click **Add Device**.

5. Click the **Register** button that appears next to your product.

6. Click **Register** on the confirmation screen. Your product's LCD screen displays a confirmation message.

7. Select **OK** or press the **OK** button on your product to confirm the Google Cloud Print connection and print a test page.

8. To print to the connected product, select the print command in your Chrome app.

Your product is now linked to your Google Account and can be accessed from any Chromebook where you are logged in, as long as you have Internet access. Visit Epson Support for Google Cloud Print (U.S) or Epson Support for Google Cloud Print (Canada) for more information on using Google Cloud Print, or the Google Cloud Print website for a list of supported apps.

**Parent topic:** Printing from a Computer

**Related topics**

Wi-Fi Networking

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**Cancelling Printing Using a Product Button**

If you need to cancel printing, press the ⏪ stop button on your product.

**Parent topic:** Printing from a Computer
Scanning

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

Starting a Scan
Scanning in Epson Scan 2

Starting a Scan

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

Starting a Scan Using the Product Control Panel
Starting a Scan Using the Epson Scan 2 Icon
Starting a Scan from a Scanning Program
Starting a Scan from a Smart Device

Related tasks

Placing Originals on the Scanner Glass

Starting a Scan Using the Product Control Panel

You can scan an image to your computer using your product's control panel buttons.

Your product automatically selects default scan settings, but you can view or change them as necessary.

When scanning to a memory card, you can change the scan settings using the product's LCD screen. If you are scanning to a computer, you can change the default scan settings using the Event Manager utility on the computer.

1. Make sure you installed the product software and connected the product to your computer or network.

   **Note:** Restart your computer after installing the product software to enable scanning from the control panel. Also make sure the Event Manager program is not being blocked by your firewall or security software.

2. Press the home button, if necessary.

3. Press the left or right arrow button to select **Scan** and press the **OK** button.
You see a screen like this:

![Scan Screen](image)

4. Press the left or right arrow button to select a scan option and press the OK button.
   - **To Memory** saves your scan file on a memory card and lets you select the file format, quality, and other settings.
   - **To Computer (JPEG)** saves your scan as a JPEG file on your computer or as an image capture on a Mac.
   - **To Computer (PDF)** saves your scan as a PDF file on your computer or as an image capture on a Mac.
   - **To Computer (Email)** scans your original and attaches it to a message in your e-mail program. You can select the e-mail program you want to use and resize your image, if necessary, from an option screen on your computer.

   **Note:** This works with MAPI-type email such as Microsoft Outlook, Windows Live Mail, Mac Mail, and Entourage, but not web-based email such as Gmail.

   - **To Computer (WSD)** lets you manage network scanning in Windows 10, Windows 8.x, Windows 7, or Windows Vista (English only). To use this feature, you must first set up a WSD (Web Services for Devices) port on your Windows 7 or Windows Vista computer (the port is set up automatically on Windows 10 and Windows 8.x).

5. Do one of the following:
   - If you are scanning to a network computer, select the target computer from the list. If your product is connected directly to your computer with a USB cable, select **USB Connection**.
• If you are scanning to a memory card, review the scan settings. To change them, press the down arrow button.

6. Press the start button to start scanning.

Scan to Memory Card Options
Changing Default Scan Job Settings
Setting Up a WSD Port (Windows 7/Windows Vista)

Parent topic: Starting a Scan

Scan to Memory Card Options

Select the scanning options you want to use when scanning to a memory card.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Available options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>JPG, PDF</td>
<td>JPG: for photos</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PDF: for documents</td>
</tr>
<tr>
<td>Color</td>
<td>Color, B&amp;W</td>
<td>Select color or black-and-white scans</td>
</tr>
<tr>
<td>Scan Size</td>
<td>A4, Letter, Auto Cropping, Max Area</td>
<td>Selects the page size for documents or special settings for photos.</td>
</tr>
<tr>
<td>Original Type</td>
<td>Text, Photograph</td>
<td>Selects the type of original you are scanning</td>
</tr>
<tr>
<td>Resolution</td>
<td>200 dpi, 300 dpi, 600 dpi</td>
<td>200 dpi: for e-mailing or posting on the web</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300 dpi: for printing or OCR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600 dpi: for the highest quality printing</td>
</tr>
<tr>
<td>Contrast</td>
<td>Various levels</td>
<td>Decrease or increase image contrast</td>
</tr>
<tr>
<td>Setting</td>
<td>Available options</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Original Orientation</td>
<td>Portrait, Landscape</td>
<td>Specifies the orientation of your originals</td>
</tr>
</tbody>
</table>

**Parent topic:** Starting a Scan Using the Product Control Panel

### Changing Default Scan Job Settings

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

1. Do one of the following to open Event Manager:
   - **Windows 10:** Click and select **EPSON Software > Event Manager**.
   - **Windows 8.x:** Navigate to the **Apps** screen and select **Event Manager**.
   - **Windows (other versions):** Click or **Start > All Programs or Programs > EPSON Software > Event Manager**.
   - **Mac:** Open the **Applications** folder, click **Epson Software**, and select **Event Manager**.
2. Open the **Scanner** (Windows) or **Select Scanner** (Mac) drop-down list and select your product, if necessary.
3. Click **Make Job Settings**.
4. Open the **Edit Job Settings** drop-down list and select the scan job settings you want to view or change.
5. Change the settings as necessary.
6. Click **OK**.
7. Click **Close** to close the Event Manager window.

**Parent topic:** Starting a Scan Using the Product Control Panel

### Setting Up a WSD Port (Windows 7/Windows Vista)

You can scan to a networked Windows computer using WSD (Web Services for Devices). You must first set up a WSD port on your Windows 7 or Windows Vista system (the port is set up automatically on Windows 10 and Windows 8.x).

Before you set up a WSD port, make sure you installed your product software, and connected your product and computer to the same network.

1. Turn on your product.
2. Print a network status sheet so you can identify the network name and model name for your product on the network.

3. Click or Start and select Computer.

4. On the left side of the window, select Network.

5. Locate your product on the Network screen, right-click it, and select Install.

6. When you see the User Account Control screen, click Continue.

   **Note:** If you see an Uninstall screen, click Uninstall and repeat these steps as necessary.

7. When you see the message **Your device is ready to use** in the Windows taskbar, click the message.

8. On the Driver Software Installation screen, make sure your product is listed as **Ready to use**. Then click Close.

9. Do one of the following:

   - **Windows 7:** Click and select Devices and Printers.
   - **Windows Vista:** Click Start and select Control Panel > Hardware and Sound > Printers.

10. Make sure that an icon appears for your product's name on the network. When you use WSD, select your product name to scan over the network.

**Parent topic:** Starting a Scan Using the Product Control Panel

### Starting a Scan Using the Epson Scan 2 Icon

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

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

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

You see an Epson Scan 2 window like this:

![Epson Scan 2 window](image)

**Parent topic:** Starting a Scan
Starting a Scan from a Scanning Program

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

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

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

Note: In certain programs, you may need to select your product as the "source" first. If you see a Select Source option, choose it and select your product. With Windows, do not select a WIA option for your product; not all scan functions will be available.
You see an Epson Scan 2 window like this:

![Epson Scan 2 window](image)

**Parent topic:** Starting a Scan

**Starting a Scan from a Smart Device**

You can start a scan from a smart device using the Epson iPrint app. You can save the scanned document to your device or a cloud service, e-mail it, or print it.
**Note:** If you are using your Epson product with the Windows 10 S operating system, you cannot use the software described in this section. You also cannot download and install any Epson product software from the Epson website for use with Windows 10 S; you must obtain software only from the Windows Store.

**Note:** Your device must be connected to the same wireless network as your Epson product.

1. Download the Epson iPrint app from your device's app store or from Epson's website.
2. Place your original on the product for scanning.
3. Open the Epson iPrint app and select your product.
4. Select the scan settings and scan your original.
5. Save your scanned image to a file or cloud location.

**Parent topic:** Starting a Scan

### Scanning in Epson Scan 2

Epson Scan 2 automatically scans your document and saves the scanned file in PDF format in your operating system's Documents or My Documents folder, or opens it in your scanning program. You can select settings, preview, and change the scanned file settings as necessary.

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

1. Start Epson Scan 2.
You see this window:

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

7. Select the **Correct Document Skew** setting to correct skewed originals, image contents, or both.

8. Click the **Preview** button.

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

![Epson Scan 2 preview](image)

9. Select any of the additional settings that you want to use on the Main Settings tab.

10. Click the **Advanced Settings** tab and select any settings that you want to use.

11. Select the format in which you want to save your scanned file as the **Image Format** setting. If necessary, select **Options** and select any desired format options.

12. Enter the file name for your scanned file in the **File Name** field. If necessary, select **Settings** to modify the file name settings.

13. Select the location in which you want to save your scanned file as the **Folder** setting. If necessary, select **Select** to create a new folder.

14. Click **Scan**.

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

Additional Scanning Settings - Main Settings Tab
Additional Scanning Settings - Advanced Settings Tab
Saving Scanned Documents as a Searchable PDF Using Epson Scan 2
Image Format Options
Scan Resolution Guidelines

Parent topic: Scanning

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

Correct Document Skew
Corrects skewed originals, image contents, or both.

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

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

Parent topic: Scanning in Epson Scan 2

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

Remove Background
Removes the background of the originals.

Text Enhancement
Sharpens the appearance of letters in text documents.

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

Threshold
Adjusts the level at which black areas in text and line art are delineated, improving text recognition in OCR (Optical Character Recognition) programs.
Color Enhance
Enhances the shades of the color you select in the scanned image. This setting is available only if you select Grayscale or Black & White as the Image Type setting.

Brightness
Adjusts the overall lightness and darkness of the scanned image.

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

Gamma
Adjusts the midtone density of the scanned image.

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

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

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

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

Parent topic: Scanning in Epson Scan 2

Saving Scanned Documents as a Searchable PDF Using Epson Scan 2
You can scan a document and save the text in a searchable PDF. In a searchable PDF, text is recognized using Optical Character Recognition (OCR) and then embedded in the scanned original.

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

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

   The scanned image is saved as a searchable PDF.

**Parent topic:** Scanning in Epson Scan 2

**Image Format Options**

You can select different image formats and related options. For details on available options, click the ? icon on the Epson Scan 2 Image Format Options window. Not all image formats have options.
Bitmap (*.bmp)
A standard image file format for most Windows programs.

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

PNG (*.png)
An image format that does not lose quality during editing.

TIFF (*.tif)
A file format created for exchanging data between many programs, such as graphic and DTP software.

Multi-TIFF (*.tif)
A TIFF file format when multiple pages are saved to the same file, allowing you to edit the images using a compatible program.

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

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

Parent topic: Scanning in Epson Scan 2

Scan Resolution Guidelines

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

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

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

• You will scan the image at its original size but enlarge it later in an image-editing program.
Increase the Epson Scan 2 Resolution setting in your scan. Increase the resolution by the same amount you will increase the image size to retain a high image quality. For example, if the resolution is 300 dpi (dots per inch) and you will double the image size later, change the Resolution setting to 600 dpi.

- You will scan the image at 100% or smaller size.
  Select the Epson Scan 2 Resolution setting based on how you will use the scanned image:
  - Email/view on a computer screen/post on the web: 96 to 200 dpi
  - Print/fax/convert to editable text (OCR)/create searchable PDF: 200 to 300 dpi

Parent topic: Scanning in Epson Scan 2
Using Memory Cards with Your Product

Follow the instructions here to work with a memory card inserted into your product.

Inserting a Memory Card
Printing from a Memory Card
Transferring Photos on a Memory Card

Inserting a Memory Card

Insert only one memory card at a time into the memory card slot on your product.

1. Make sure the memory card and the files on it are compatible with your product before inserting the card.

2. Insert your memory card into the slot, making sure the card is oriented correctly.

   ![Memory Card Insertion](image)

   **Note:** Do not force the card all the way into the slot. Insert it only until it meets resistance.

   The memory card access light flashes and then stays lit.

   **Caution:** Do not remove the memory card or turn off your product while the memory card access light is flashing, or you may lose data from the memory card.

Memory Card Types
Memory Card File Specifications
Removing a Memory Card
Memory Card Types

You can insert these types of memory cards in your product.

**Note:** Cards marked with an asterisk (*) require an adapter; consult your adapter documentation for details on using it.

You can insert the following cards in the memory card slot:

- SD: 2GB
- SDHC: 32GB
- SDXC: 64GB
- miniSD*: 2GB
- miniSDHC*: 32GB
- microSD*: 2GB
- microSDHC*: 32GB
- microSDXC*: 64GB

Memory Card File Specifications

You can insert memory cards in your product containing files that meet these specifications.

- **File format**: JPEG with the Exif version 2.3 standard (taken with digital camera using DCF (Design rule for Camera File system) version 1.0 or 2.0 compliant)
- **Image size**: 80 × 80 pixels to 10200 × 10200 pixels
- **File size**: Up to 2GB
- **Number of files**: Up to 2000

**Note:** DCF 2.0 files stored in a camera's built-in memory are not supported.

Parent topic: Inserting a Memory Card
Removing a Memory Card

After you finish working with a memory card, check to make sure it is safe to remove it from your product.

**Caution:** Do not remove a memory card or turn off your product while the memory card access light is flashing or you may lose data from the memory card.

1. Make sure the memory card access light is not flashing.
   
   ![Memory Card Access Light](image)

2. If your product is connected to your computer using a USB cable, do one of the following:
   - **Windows:** Open the *My Computer, Computer, Windows Explorer, or File Explorer* utility. Then right-click the name of your memory card (listed as a removable disk) and select *Eject*.
   - **Mac:** Drag the removable disk icon for your memory card from the desktop or computer window into the trash.

3. Push in the memory card, then pull it straight out of its slot as shown above.

**Parent topic:** Inserting a Memory Card

Printing from a Memory Card

See these sections to print photos from a memory card inserted into your product:

- Viewing and Printing Photos From the LCD Screen
- Print Setting Options - Memory Card

**Parent topic:** Using Memory Cards with Your Product
Viewing and Printing Photos From the LCD Screen

You can select photos for printing as you view them on the LCD screen.

1. Press the home button, if necessary.
2. Press the arrow buttons to select Print Photos and press the OK button.
   A photo on your memory card is displayed.
3. Press the right or left arrow button to scroll through your photos and display one that you want to view or print.
4. Press the up or down arrow buttons to select one or more copies of the photo (up to 99).
5. To view and select additional photos for printing, repeat the steps above.
6. To view print settings, press the OK button.
   You see this screen:

![Print Settings Screen]

7. Do one of the following:
   • To change the print settings, press the down arrow button.
   • To print the selected photo(s), press the start button.

Parent topic: Printing from a Memory Card

Print Setting Options - Memory Card

Select the Print Settings options you want to use when printing photos displayed on the LCD screen.
**Note:** To return to the default print settings, press the stop button, select No and press the OK button.

<table>
<thead>
<tr>
<th>Print settings</th>
<th>Available options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper Size</td>
<td>Various paper sizes</td>
<td>Indicates the size of paper you have loaded</td>
</tr>
<tr>
<td>Paper Type</td>
<td>Various paper types</td>
<td>Indicates the type of paper you have loaded; see the list of paper types for copying (available options depend on the selected Paper Size setting)</td>
</tr>
<tr>
<td>Layout</td>
<td>Borderless</td>
<td>Expands the image to the edge of the paper (slight cropping may occur)</td>
</tr>
<tr>
<td></td>
<td>With Border</td>
<td>Leaves a small margin around the image</td>
</tr>
<tr>
<td>Expansion</td>
<td>Standard</td>
<td>Expands images correctly for most borderless prints</td>
</tr>
<tr>
<td></td>
<td>Medium</td>
<td>Expands images slightly less for borderless prints</td>
</tr>
<tr>
<td></td>
<td>Minimum</td>
<td>Expands images the least for borderless prints (you may see some white border)</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>Does not expand images at all for borderless prints</td>
</tr>
<tr>
<td>Fit Frame</td>
<td>On</td>
<td>Automatically crops the photo to fit into the selected photo layout</td>
</tr>
<tr>
<td>Quality</td>
<td>Draft</td>
<td>Provides lower quality for draft printing</td>
</tr>
<tr>
<td></td>
<td>Standard</td>
<td>Provides good quality for most prints</td>
</tr>
<tr>
<td></td>
<td>Best</td>
<td>Provides the highest quality for important prints</td>
</tr>
<tr>
<td>Fix Photo</td>
<td>Auto</td>
<td>Optimizes the Fix Photo adjustments for specific types of photos; select the option that best matches your photo content</td>
</tr>
<tr>
<td></td>
<td>People</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Landscape</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Night Scene</td>
<td></td>
</tr>
<tr>
<td>Fix Red-Eye</td>
<td>On</td>
<td>Automatically fixes the red-eye effect in photos</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

Parent topic: Printing from a Memory Card
Transferring Photos on a Memory Card

You can transfer photos to and from a memory card inserted into a memory card slot on your product.

Setting Up File Sharing for Photo Transfers from Your Computer
Transferring Photos from a Memory Card to Your Computer

Parent topic: Using Memory Cards with Your Product

Setting Up File Sharing for Photo Transfers from Your Computer

Before you transfer photos from a computer to a memory card inserted into a memory card slot on your product, you may need to set up your product's file sharing settings. Your product can only allow access from a single connection type at a time (USB or network). If you cannot save files to a memory card from a connected computer, check the file sharing setting.

Caution: Remove the memory card before you change this setting or you may lose data from the memory card. Do not remove a memory card or turn off your product while the memory card access light is flashing or you may lose data from the memory card.

1. Remove any memory cards from the product.
2. Press the home button, if necessary.
3. Press the arrow buttons to select **Settings** and press the **OK** button.
4. Select **File Sharing** and press the **OK** button.
5. Select your connection type and press the **OK** button.

Parent topic: Transferring Photos on a Memory Card

Related tasks
Removing a Memory Card

Transferring Photos from a Memory Card to Your Computer

You can transfer photos to and from a memory card inserted into a memory card slot on your product and a computer connected to your product.

Note: Do not transfer photos to and from a memory card while you are printing from the memory card.

1. Make sure your product is connected to a computer.
2. Insert a memory card into a memory card slot on your product.
3. Do one of the following to access your memory card files from your computer:
   • **Windows**: Open the **Computer, My Computer, Windows Explorer**, or **File Explorer** utility, then select the removable disk icon.
   • **Mac with a USB connection**: Look for the removable disk icon on your desktop or computer window, then select it.
   • **Mac with a network connection**: Select the hard drive icon on your desktop or computer window, select your product in the **SHARED** section of the sidebar (you may need to widen the sidebar to see the name), then select the **MEMORYCARD** icon.

4. Select the folder that contains your photos.
5. Drag the photos you want to transfer to the desired folder on your computer or on your memory card.

**Note**: Your product's LCD screen does not update to display new photos transferred to the memory card. Wait until the memory card access light stops flashing, then remove and insert the memory card to update the photos displayed.

**Parent topic**: Transferring Photos on a Memory Card

**Related tasks**

- Inserting a Memory Card
Printing Personalized Projects

You can print calendars, lined paper, graph paper, or stationery with a photo background.

Printing Personalized Note Paper
Printing Lined Paper, Graph Paper, and Music Sheets
Printing Calendar Pages

Printing Personalized Note Paper

You can print lined or unlined note paper with one of your own photos in the background.

1. Load plain paper in one of these sizes: Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]).
2. Insert a memory card into your product's memory card slot.
3. Press the home button, if necessary.
4. Select Personal Stationery and press the OK button.
5. Select Writing Papers and press the OK button.
6. Select one of the layout options and press the OK button.

**Note:** View the images for each option to preview the design layout.

7. Select the size of paper you loaded and press the OK button.
8. Select the photo you want to use for your note paper and press the **OK** button.

   **Note:** To rotate the layout for your note paper, press the down arrow button.

9. To print more than one sheet, press the up or down arrow button to select the number (up to 99).

10. When you are ready to print, press the ♫ start button.

   **Note:** To cancel printing, press the ◇ stop button.

**Parent topic:** Printing Personalized Projects

**Related tasks**

- Inserting a Memory Card
- Loading Paper in the Sheet Feeder

### Printing Lined Paper, Graph Paper, and Music Sheets

You can print music sheets, wide-rule or narrow-rule notebook paper, and graph paper.

1. Load plain paper in one of these sizes: Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]).

2. Press the ◁ home button, if necessary.

3. Select **Personal Stationery** and press the **OK** button.

4. Select **Lined Papers** and press the **OK** button.
5. Select one of the layout options and press the OK button.
   
   **Note:** View the images for each option to preview the design layout.

6. Select the size of paper you loaded and press the OK button.
7. To print more than one sheet, press the up or down arrow button to select the number (up to 99).
8. When you are ready to print, press the start button.
   
   **Note:** To cancel printing, press the stop button.

Parent topic: Printing Personalized Projects

Related tasks
Loading Paper in the Sheet Feeder

### Printing Calendar Pages

You can create and print a weekly or monthly calendar page from your product.

1. Load plain paper in one of these sizes: Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]).
2. Press the home button, if necessary.
3. Select **Personal Stationery** and press the OK button.
4. Select **Calendar** and press the OK button.
5. Select one of the format options and press the **OK** button.

   **Note:** View the images for each option to preview the design layout.

6. If you chose **Monthly**, select the year and month and press the **OK** button.

7. Select the type of paper you want to print on and press the **OK** button.

8. To print more than one sheet, press the up or down arrow button to select the number (up to 99).

9. When you are ready to print, press the **start** button.

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

**Parent topic:** Printing Personalized Projects

**Related tasks**

Loading Paper in the Sheet Feeder
Refilling Ink

When the ink level is below the lower line on an ink tank, you need to refill it.
Before checking the ink levels or refilling an ink tank as described here, be sure to read the ink safety precautions.

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

Ink Safety Precautions

Note: The product has a low ink alert system. The accuracy of this system depends on the user refilling the ink tanks correctly. The product cannot directly measure the ink levels in the tanks; instead it estimates the amount of ink remaining by internally monitoring ink usage. The low ink alert system may generate inaccurate messages if the ink tanks are not refilled according to these instructions.

As a precaution, perform regular visual inspections of the ink tanks to ensure ink levels do not fall below the lower line. Continued use of the product when the ink level is below the lower line on the tank could damage the product.

Ink Handling Precautions

• Keep ink bottles and the ink tanks out of the reach of children. Do not allow children to drink from or handle the ink bottles and bottle caps.

• Do not tilt or shake an ink bottle after opening it; otherwise, ink may leak.

• If ink gets on your skin, wash it thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water. If ink gets into your mouth, spit it out immediately. Seek medical advice if problems persist.

• Do not squeeze the ink bottles.
Ink Refilling Precautions

- Use ink bottles with the correct part number for this product.
- Epson’s warranties do not extend to any damage caused by the use of third-party ink or ink not designed for your printer.
- This product requires careful handling of ink. Ink may splatter when the ink tanks are filled or refilled with ink. If ink gets on your clothes or belongings, it may not come off.
- Do not open the ink bottle package until you are ready to fill an ink tank. Ink bottles are vacuum packed to maintain reliability. If you leave an ink bottle unpacked for a long time before using it, print quality may be affected.
- If the ink level is below the lower line on the ink tank, refill the ink. Continued use of the product when the ink level is below the lower line on the ink tank could damage the product.
- Epson recommends filling all ink tanks to the upper line when the product is not operating to reset the ink levels.
- After bringing an ink bottle inside from a cold storage site, allow it to warm up at room temperature for at least three hours before using it.
- Store ink bottles in a cool, dark place.
- Store the ink bottles in the same environment as the product. When storing or transporting an opened ink bottle, do not tilt the bottle and do not subject it to impacts or temperature changes. Otherwise, ink may leak even if the cap on the ink bottle is tightened securely. Be sure to keep the ink bottle upright when tightening the cap, and take measures to prevent ink from leaking when you transport the bottle.

Ink Bottle and Ink Tank Information

- To maintain optimum print head performance, some ink is consumed from all ink tanks during printing and when performing maintenance operations, such as cleaning the print head.
- The ink bottles may contain recycled materials, but this does not affect product function or performance.
- The specification and appearance of the ink bottles are subject to change without prior notice for improvement.
- If an ink bottle is dented, you can still use the ink. The quality and quantity of ink will not be affected.
- When printing in monochrome or grayscale, color ink may be used instead of black ink, depending on the paper type or print quality settings. This is because a mixture of color inks is used to create black.
- A reserve amount of ink remains in the tank when your product indicates that a refill is necessary.

Parent topic: Refilling Ink
Check Ink Levels

Your product and its printing software will let you know when an ink tank is low or expended.

Checking Ink Levels on Your Product
Checking Ink Levels - Windows
Checking Ink Levels - Mac
Disabling Special Offers with Windows

Parent topic: Refilling Ink

Checking Ink Levels on Your Product

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

Note: The product has a low ink alert system. The accuracy of this system depends on the user refilling the ink tanks correctly. The product cannot directly measure the ink levels in the tanks; instead it estimates the amount of ink remaining by internally monitoring ink usage. The low ink alert system may generate inaccurate messages if the ink tanks are not refilled according to these instructions.

As a precaution, perform regular visual inspections of the ink tanks to ensure ink levels do not fall below the lower line. Continued use of the product when the ink level is below the lower line on the tank could damage the product.

Parent topic: Check Ink Levels
Related tasks
Refilling the Ink Tanks

Checking Ink Levels - Windows
A low ink reminder appears if you try to print when ink is low, and you can check your ink levels at any time using a utility on your Windows computer.

1. To check your ink levels, access the Windows Desktop and double-click the icon for your product in the right side of the Windows taskbar, or click the up arrow and double-click .
   You see a window like this:

   ![EPSON Status Monitor 3](image)

2. Refill any ink tank as needed.

   **Note:** The ink levels displayed are an estimate and may differ from the actual ink remaining in the ink tanks. To confirm the actual remaining ink, visually check the ink levels in the ink tanks. Continued use of the product when the ink level is below the lower line on the tank could damage the product.
Checking Ink Levels - Mac

You can check your ink levels using a utility on your Mac.

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

2. Select **EPSON Status Monitor**.

   You see a window like this:

3. Refill any ink tank as needed.

   **Note:** To update or refresh the displayed ink levels, click **Update**.
Note: The ink levels displayed are an estimate and may differ from the actual ink remaining in the ink tanks. To confirm the actual remaining ink, visually check the ink levels in the ink tanks. Continued use of the product when the ink level is below the lower line on the tank could damage the product.

Parent topic: Check Ink Levels
Related tasks
Refilling the Ink Tanks

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

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

You can purchase genuine Epson ink and paper at epson.com (U.S. sales), epson.ca (Canadian sales), or epson.com.jm (Caribbean sales). You can also purchase supplies from an Epson authorized reseller. To find the nearest one, call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada.

Note: Epson's warranties do not extend to any damage caused by the use of third-party ink or ink not designed for your printer.
The included initial ink bottles must be used for printer setup and are not for resale. The printer ships with full ink bottles and part of the ink from the first bottles is used to charge the print head. Yields vary considerably based on images printed, print settings, paper type, frequency of use and temperature.

**Ink Bottle Part Numbers**

**Parent topic:** Refilling Ink

### Ink Bottle Part Numbers

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

<table>
<thead>
<tr>
<th>Ink color</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>502</td>
</tr>
<tr>
<td>Cyan</td>
<td>502</td>
</tr>
<tr>
<td>Magenta</td>
<td>502</td>
</tr>
<tr>
<td>Yellow</td>
<td>502</td>
</tr>
</tbody>
</table>

**Parent topic:** Purchase Epson Ink

### Refilling the Ink Tanks

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

You can continue to use the product even if one or more ink tanks are not filled all the way. However, for the most accurate ink level monitoring, fill all the ink tanks up to the top line.

**Note:** The product has a low ink alert system. The accuracy of this system depends on the user refilling the ink tanks correctly. The product cannot directly measure the ink levels in the tanks; instead it estimates the amount of ink remaining by internally monitoring ink usage. The low ink alert system may generate inaccurate messages if the ink tanks are not refilled according to these instructions.

As a precaution, perform regular visual inspections of the ink tanks to ensure ink levels do not fall below the lower line. Continued use of the product when the ink level is below the lower line on the tank could damage the product.

**Caution:** Wear disposable gloves while refilling the ink tanks to avoid staining your hands. If ink spills, wipe it off immediately with a damp towel to avoid permanent stains. If ink gets on your clothes or belongings, it may not come off.
1. Turn on your product.
2. Lift up the scanner unit.
3. Open the ink tank cover, then open the cap for the ink tank you are going to fill.
4. Hold the ink bottle upright and slowly turn the bottle cap to remove it.

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

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

5. Position the top of the ink bottle along the slot in front of the filling port, then slowly stand the bottle up to insert it.
Note: Refer to the color-coded sticker on the ink tank unit to identify the color of each tank. Do not force the bottles into position; they are keyed for each color.

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

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

7. When the ink tank is full, remove the ink bottle and securely close the ink tank cap.

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

8. Repeat the previous steps as necessary for each ink tank you need to refill.
9. Close the ink tank cover, then close the scanner unit.

10. Press the home button to display the home screen, then select Maintenance > Reset Ink Levels. Follow the on-screen instructions to reset the ink level for the colors you refilled.

Parent topic: Refilling Ink
Related concepts
Purchase Epson Ink
Adjusting Print Quality

If your print quality declines, you may need to run a utility to clean or align the print head.
If running these utilities does not solve the problem, you may need to run a Power Cleaning or clean the paper or print head path.

**Print Head Maintenance**
- **Print Head Alignment**
- **Cleaning the Paper Guide**
- **Cleaning the Print Head Path**
- **Checking the Number of Sheets**

**Print Head Nozzle Check**
You can print a nozzle check pattern to check for clogged nozzles.
- **Checking the Nozzles Using the Product Control Panel**
- **Checking the Nozzles Using a Computer Utility**
Parent topic: Print Head Maintenance

Checking the Nozzles Using the Product Control Panel

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

1. Make sure there are no errors on the LCD screen and the output tray is extended.
2. Load a few sheets of plain paper in the product.
3. Press the home button, if necessary.
4. Select Maintenance and press the OK button.

5. Press the OK button to select Nozzle Check.
6. Press the start button to print.  
The nozzle check pattern is printed.
7. Check the printed pattern to see if there are gaps in the lines.

**Print head is clean**

![](image1.png)

**Print head needs cleaning**

![](image2.png)

8. Do one of the following:
   - If there are no gaps, the print head is clean. Select **No** and press the **OK** button.
   - If there are gaps or the pattern is faint, select **Yes** and press the **OK** button. Follow the instructions on the screen to clean the print head.

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

**Parent topic:** Print Head Nozzle Check

**Related concepts**

Power Cleaning
Related tasks
Loading Paper in the Sheet Feeder
Refilling the Ink Tanks
Cleaning the Print Head Using the Product Control Panel

Checking the Nozzles Using a Computer Utility

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

1. Make sure there are no errors on the LCD screen and the output tray is extended.
2. Load a few sheets of plain paper in the product.
3. Do one of the following:
   - **Windows**: Access the Windows Desktop and right-click the icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click.
   - **Mac**: In the Apple menu or the Dock, select System Preferences. Select Print & Fax, Print & Scan, or Printers & Scanners, select your product, and select Options & Supplies. Select Utility and select Open Printer Utility.
4. Select **Nozzle Check**.

You see a window like this:
5. Click **Print**.

6. Check the printed pattern to see if there are gaps in the lines.
   
   **Print head is clean**
   
   ![Print head is clean image](image1)

   **Print head needs cleaning**
   
   ![Print head needs cleaning image](image2)

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

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

**Parent topic:** Print Head Nozzle Check

**Related concepts**

Power Cleaning

**Related tasks**

Loading Paper in the Sheet Feeder
Refilling the Ink Tanks
Cleaning the Print Head Using a Computer Utility
Print Head Cleaning

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

**Note:** You cannot clean the print head if the ink level has reached the lower line on the ink tank, and may not be able to clean it when the ink level in any of the tanks is low. You must refill the ink tank first.

Cleaning the Print Head Using the Product Control Panel
Cleaning the Print Head Using a Computer Utility

**Parent topic:** Print Head Maintenance

**Related tasks**
Refilling the Ink Tanks
Cleaning the Print Head Using the Product Control Panel

**Cleaning the Print Head Using the Product Control Panel**

You can clean the print head nozzles using the control panel on your product.

1. Make sure there are no errors on the LCD screen and the output tray is extended.
2. Load a few sheets of plain paper in the product.
3. Press the home button, if necessary.
4. Select **Maintenance** and press the **OK** button.
5. Select **Head Cleaning** and press the **OK** button.

6. Press the start button to clean the print head. You see a message on the LCD screen during the cleaning cycle.

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

   When the cleaning cycle is finished, you see a message on the display screen.

7. Select **Nozzle Check**, press the **OK** button, and press the start button to run a nozzle check and confirm that the print head is clean.

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

**Parent topic:** Print Head Cleaning

**Related concepts**

Power Cleaning

**Related references**

Where to Get Help

**Related tasks**

Loading Paper in the Sheet Feeder

Checking the Nozzles Using the Product Control Panel
Cleaning the Print Head Using a Computer Utility

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

1. Make sure there are no errors on the LCD screen and the output tray is extended.
2. Load a few sheets of plain paper in the product.
3. Do one of the following:
   • **Windows**: Access the Windows Desktop and right-click the icon for your product in the right side of the Windows taskbar, or click the up arrow and right-click.
   • **Mac**: In the Apple menu or the Dock, select *System Preferences*. Select *Print & Fax*, *Print & Scan*, or *Printers & Scanners*, select your product, and select *Options & Supplies*. Select *Utility* and select *Open Printer Utility*.
4. Select **Head Cleaning**.
   You see a window like this:

   ![Head Cleaning Window](image)

   5. Click **Start** to begin the cleaning cycle.
      The power light flashes throughout the cleaning cycle and stays on when the cleaning cycle is finished.
Caution: Never turn off the product or open the printer cover during a cleaning cycle or you may not be able to print.

6. When the cleaning cycle is finished, you can check to see if the nozzles are clean; click Print Nozzle Check Pattern and click Print.

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

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

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

Parent topic: Print Head Cleaning

Related concepts
Power Cleaning
Power Cleaning

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

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

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

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

**Power Cleaning Using the Product Control Panel**

You can run a Power Cleaning using the control panel on your product.

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

1. Turn off the product.
2. Visually check the ink levels and make sure each ink tank is at least one-third full.

**Caution:** If you run a Power Cleaning when the ink levels are low, you may damage the product.
3. Press and hold the power button and the help button at the same time until you see the Power Cleaning screen.

4. Follow the instructions on the LCD screen to run the Power Cleaning.

5. When the Power Cleaning is finished, run a nozzle check.

If the print quality did not improve, turn off the product and wait at least 12 hours before running another Power Cleaning.

If the print quality does not improve after running the Power Cleaning utility multiple times, contact Epson for support.

**Parent topic:** Power Cleaning

**Related tasks**

- Refilling the Ink Tanks

**Power Cleaning Using a Computer Utility**

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

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

1. Make sure there are no errors on the LCD screen and the output tray is extended.

2. Do one of the following:

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

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

You see a window like this:

4. Follow the on-screen instructions to run a Power Cleaning.
5. When Power Cleaning is finished, run a nozzle check.

If the print quality did not improve, turn off the product and wait at least 12 hours before running another Power Cleaning.

If the print quality does not improve after running the Power Cleaning utility multiple times, contact Epson for support.

Parent topic: Power Cleaning

Related tasks

Refilling the Ink Tanks
Print Head Alignment

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

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

Aligning the Print Head Using the Product Control Panel

Parent topic: Adjusting Print Quality

Aligning the Print Head Using the Product Control Panel

You can align the print head using the control panel on your product.
1. Make sure there are no errors on the LCD screen and the output tray is extended.
2. Load a few sheets of plain paper in the product.
3. Press the home button, if necessary.
4. Select Maintenance and press the OK button.
5. Select Print Head Alignment and press the OK button.
6. Do one of the following:
   • Select Vertical Alignment and press the OK button.
   • Select Horizontal Alignment and press the OK button.
7. Press the OK button to print an alignment sheet.

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

8. Check the printed pattern and select the number representing the most solid printed pattern for each set on the LCD screen.
   
   **Vertical Alignment**
   
   ![Vertical Alignment Pattern]

   **Horizontal Alignment**
   
   ![Horizontal Alignment Pattern]

9. Press the OK button when you are finished.

**Parent topic:** Print Head Alignment

**Related tasks**

- Loading Paper in the Sheet Feeder
- Cleaning the Paper Guide

### Cleaning the Paper Guide

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

1. If printouts are smeared or scuffed, load plain paper in this size: Letter (8.5 × 11 inches [216 × 279 mm]) or A4 (8.3 × 11.7 inches [210 × 297 mm]).

2. Select Maintenance.
You see a screen like this:

3. Select **Paper Guide Cleaning** and press the **OK** button.
4. Follow the on-screen instructions to clean the paper guide.
5. Repeat these steps as necessary until the paper comes out clean.

**Parent topic:** Adjusting Print Quality

**Related tasks**
- Loading Paper in the Sheet Feeder

### Cleaning the Print Head Path

If the print quality has not improved after cleaning and aligning the print head and cleaning the paper path, the print head path inside the printer may be smeared with ink.

To clean the print head path, use the following:

- Several cotton swabs
- ¼ cup (59 ml) water containing 2 to 3 drops of mild dish detergent
- A small flashlight

**Caution:** Do not use any other liquid to clean the print head path or you may damage your product.

1. Turn off the product.
2. Unplug the power cable.
3. Disconnect any connected cables.
4. Lift up the scanner unit.

5. Using the flashlight, check the translucent film shown here for ink smears.

1. Translucent film
2. Print head rail

**Caution:** Do not touch the print head rail or wipe the grease off of it. You may not be able to print.
6. Moisten a cotton swab with the water and detergent mixture, and squeeze out any excess moisture. Lightly wipe the ink off the translucent film.

**Caution:** Do not press too hard on the film or you may dislocate the anchor springs and damage your product.

7. Use a new, dry cotton swab to dry the translucent film.
8. Repeat steps 6 and 7 as necessary to clean all ink smears.
9. When the translucent film is dry, close the scanner unit.
10. Reconnect any disconnected cables, plug in the power cord, and turn on the product.

**Parent topic:** Adjusting Print Quality

**Related concepts**
- Print Head Cleaning
- Print Head Alignment

**Related tasks**
- Cleaning the Paper Guide

### Checking the Number of Sheets

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

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

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

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

![Printer and Option Information window]

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

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

Parent topic: Checking the Number of Sheets

Checking the Sheet Counter - Mac

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

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

2. Select **Printer and Option Information**.

   You see this window:

   ![EPSON Printer Utility 4](image)

   - **Number of Sheets of Paper Fed**
     - **Total Sheets**: 2
     - **Borderless Sheets**: 0

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

   **Parent topic**: [Checking the Number of Sheets](#)
Cleaning and Transporting Your Product

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

Cleaning Your Product
Transporting Your Product

Cleaning Your Product

To keep your product working at its best, you should clean it several times a year.
Close the output tray and front cover when you are not using the product to protect it from dust.

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

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

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

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

**Parent topic:** Cleaning and Transporting Your Product

Transporting Your Product

If you need to store your product or transport it some distance, prepare it for transportation as described here.
Caution: During transportation and storage, follow these guidelines:

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

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

- Do not put opened ink bottles in the box with the product.

- Do not carry the product by its control panel; this may damage the product.

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

1. Turn off the product.

2. Lift up the scanner unit and check to see if the print head is in the far right position (the home position). If not, turn on the product, wait for the print head to move to the far right, then turn the product off again.
3. Secure the print head to the case with tape.

Caution: Do not place tape on the white flat cable or transparent film inside the product; otherwise, you may damage your product.

4. Lower the scanner unit.
5. Remove all the paper from the product.
6. Unplug the power cable.
7. Disconnect any connected cables.
8. Open the ink tank unit cover and make sure that the ink tank caps are installed securely.

9. Close the ink tank cover and scanner unit.
10. Close the paper support, feeder guard, and output tray. Then lower the control panel by squeezing the release bar and gently pushing the panel down.

**Caution:** Do not lower the control panel without first squeezing the release bar or you may damage your product.

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

Be sure to remove the tape from the print head before turning on your product. If print quality has declined when you print again, clean and align the print head.

**Parent topic:** Cleaning and Transporting Your Product

**Related concepts**

- Print Head Cleaning
- Print Head Alignment
Solving Problems

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

Checking for Software Updates
Product Status Messages
Message Appears Prompting You to Reset Ink Levels
Running a Product Check
Resetting Control Panel Defaults
Solving Setup Problems
Solving Network Problems
Solving Copying Problems
Solving Paper Problems
Solving Problems Printing from a Computer
Solving Page Layout and Content Problems
Solving Print Quality Problems
Solving Scanning Problems
Solving Scanned Image Quality Problems
Solving Memory Card Problems
Uninstall Your Product Software
Where to Get Help

Checking for Software Updates

It's a good idea to check Epson's support website occasionally for free updates to your product software. Visit epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean) and select your product.

- Windows: Your printer software automatically checks for updates. You can also manually update the software by selecting **Software Update** here:
  - Accessing the Windows Desktop and right-clicking the icon for your product in the right side of the Windows taskbar, or clicking the up arrow and right-clicking .
  - On the **Maintenance** tab in the printer settings window
You can also update the software by selecting **EPSON Software Updater** in the **EPSON** or **EPSON Software** program group, accessible by the **Start** button, or on the **Start** or **Apps** screens, depending on your version of Windows.

- **OS X**: You can manually update the software by opening the **Applications > Epson Software** folder and selecting **EPSON Software Updater**.

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

**Parent topic:** Solving Problems

**Related tasks**

Changing Automatic Update Options

## Product Status Messages

You can often diagnose problems with your product by checking the messages on its LCD screen.

<table>
<thead>
<tr>
<th>LCD code</th>
<th>Condition/solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>(E-01)</td>
<td>A printer error has occurred. Turn the product off and then back on again. If the error continues, check for a paper jam. If there is no paper jam, contact Epson for support.</td>
</tr>
<tr>
<td>(E-02)</td>
<td>A scanner error has occurred. Turn the product off and then back on again.</td>
</tr>
<tr>
<td>(E-11)</td>
<td>The ink pad needs to be replaced. Contact Epson for support.</td>
</tr>
<tr>
<td>(W-01)</td>
<td>Paper is jammed in the product. Remove the jammed paper, then press the button indicated on the LCD screen to clear the error. If the error continues, turn the product off and back on again.</td>
</tr>
<tr>
<td>(W-11)</td>
<td>An ink pad is nearing the end of its service life. Contact Epson for support. (To continue printing, press the start button.)</td>
</tr>
<tr>
<td>(I-22)</td>
<td>To establish a wireless connection using an access point, press the button on the access point or click the button on the access point's wireless settings screen displayed on your computer screen.</td>
</tr>
<tr>
<td>(I-23)</td>
<td>Enter the PIN code displayed on the LCD screen into the access point or computer within two minutes. If you wait longer than two minutes, a time-out error occurs, the code changes, and you must enter a new code.</td>
</tr>
<tr>
<td>(I-31)</td>
<td>To make wireless connection settings from your computer, run the installer and follow the on-screen instructions.</td>
</tr>
</tbody>
</table>
The ink pads in the printer collect, distribute, and contain the ink that is not used on printed pages. During the life of your product it may reach a condition where either satisfactory print quality cannot be maintained or the ink pads have reached the end of their usable life. The Epson Status Monitor, your LCD screen, or lights on the control panel will advise you when these parts need replacing. If this happens during the standard warranty of the product, the exchange of the product or replacement of the pads is covered under the standard warranty. If the product is out of warranty, the pads can be replaced by any Epson authorized service provider. The waste ink pads are not a user-replaceable part.

Parent topic: Solving Problems
Related references
Where to Get Help
Related tasks
Checking for Software Updates
Loading Paper in the Sheet Feeder
Related topics
Solving Paper Problems
Wi-Fi Networking

Message Appears Prompting You to Reset Ink Levels

If you see a message on the LCD screen prompting you to reset the ink levels, do the following:

1. Refill all of the ink tanks or the ink tanks indicated on the LCD screen all the way to the top.

   Note: Depending on the operating conditions, you may see the ink reset message even when there is still ink in the tanks.

---

<table>
<thead>
<tr>
<th>LCD code</th>
<th>Condition/solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>(I-41)</td>
<td>The <strong>Paper Setup Auto Display</strong> option is disabled. You must enable <strong>Paper Setup Auto Display</strong> to use AirPrint.</td>
</tr>
<tr>
<td>(I-60)</td>
<td>Your computer may not support WSD (Web Services for Devices). The Scan to PC (WSD) function is available only for computers running English versions of Windows 10, Windows 8.x, Windows 7, or Windows Vista.</td>
</tr>
<tr>
<td>Recovery Mode</td>
<td>A firmware update has failed. Connect your product using a USB cable and try updating the firmware again. If you still receive this error message, contact Epson for support.</td>
</tr>
</tbody>
</table>
2. Select the colors that you refilled on the LCD screen.
3. Follow the instructions on the LCD screen to reset the ink levels.

**Note:** The product has a low ink alert system. The accuracy of this system depends on the user refilling the ink tanks correctly. The product cannot directly measure the ink levels in the tanks; instead it estimates the amount of ink remaining by internally monitoring ink usage. The low ink alert system may generate inaccurate messages if the ink tanks are not refilled according to these instructions.

As a precaution, perform regular visual inspections of the ink tanks to ensure ink levels do not fall below the lower line. Continued use of the product when the ink level is below the lower line on the tank could damage the product.

**Parent topic:** Solving Problems

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### Running a Product Check

Running a product check helps you determine if your product is operating properly.
1. Disconnect any interface cables connected to your product.
2. Load plain paper in the product.
3. Press the home button, if necessary.
4. Select **Maintenance** and press the OK button.
5. Select **Nozzle Check** and press the **OK** button.

6. Press the □ start button.
   The nozzle check pattern is printed.

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

**Parent topic:** Solving Problems

**Related concepts**

Uninstall Your Product Software
Print Head Cleaning
Print Head Alignment

**Related references**

Where to Get Help
Resetting Control Panel Defaults

If you have a problem with settings on the product control panel, you can reset them to their factory defaults. You can choose which settings to reset or reset them all.

1. Press the home button, if necessary.
2. Press the arrow buttons to select Settings and press the OK button.
3. Select Restore Default Settings and press the OK button.

4. Select one of these options:
   - Network Settings: Resets all network settings.
   - All except Network: Resets all settings except network settings.
   - All Settings: Resets all settings.

You see a confirmation screen.

5. Press the OK button to reset the selected settings. (Press the stop button if you want to cancel the operation.)

Parent topic: Solving Problems

Solving Setup Problems

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

Noise After Filling the Ink
Software Installation Problems
Control Panel Setup Problems
Parent topic: Solving Problems

Noise After Filling the Ink

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

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

Parent topic: Solving Setup Problems

Software Installation Problems

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

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

Parent topic: Solving Setup Problems

Related concepts
Uninstall Your Product Software

Related references
Windows System Requirements
Mac System Requirements
Control Panel Setup Problems

If you have problems setting up the control panel, try these solutions:

• To view LCD screen text in a different language, select a different language setting for the panel.
• To adjust the position of the control panel, carefully raise or lower it.

Parent topic: Solving Setup Problems

Related tasks
Changing LCD Screen Language

Solving Network Problems

Check these solutions if you have problems setting up or using your product on a network.

Note: Breakdown or repair of this product may cause loss of network data and settings. Epson is not responsible for backing up or recovering data and settings during or after the warranty period. We recommend that you make your own backup or print out your network data and settings.

Product Cannot Connect to a Wireless Router or Access Point
Network Software Cannot Find Product on a Network
Product Does Not Appear in Mac Printer Window
Wireless Network Connection is Unstable on a Mac
Cannot Print Over a Network
Cannot Scan Over a Network

Parent topic: Solving Problems

Product Cannot Connect to a Wireless Router or Access Point

If your product has trouble finding or connecting to a wireless router or access point, try these solutions:

• If you are connecting the product via Wi-Fi Protected Setup (WPS) and the Wi-Fi icon on your product's LCD screen is not lit or does not appear, make sure you select one of the WPS options from the product control panel within 2 minutes of pressing the WPS button on your router.
• Make sure to place your product within contact range of your 2.4 GHz router or access point. Avoid placing your product near a microwave oven, 2.4 GHz cordless phone, or large metal object, such as a filing cabinet.
Note: If you are using a 5 GHz wireless router, set the router to operate in dual band (2.4 GHz and 5 GHz) mode. If your router uses a single network name (SSID) for both the 2.4 GHz and 5 GHz band, give each band its own network name (SSID) instead, such as Home Network 2.4 GHz and Home Network 5 GHz. See your router documentation or contact your internet service provider for instructions.

- Verify that your router or access point is operating correctly by connecting to it from your computer or another device.
- Print a network connection report and check the codes and messages on the report to help determine the cause of the problem.
- You may need to disable the firewall and any anti-virus software on your wireless router or access point.
- Try restarting your router following the instructions in your router documentation.

Note: If you are reading these instructions online, you will lose your Internet connection when you restart your router.

- Check to see if access restrictions, such as MAC address filtering, are set on the router or access point. If access restrictions are set, add your product's MAC address to your router's address list. To obtain your product's MAC address, print a network status sheet. Then follow the instructions in your router or access point documentation to add the address to the list.
- If your router or access point does not broadcast its network name (SSID), follow the instructions that came with your product to enter your wireless network name manually.
- If your router or access point has security enabled, determine the kind of security it is using and any required password or passphrase for connection. Then make sure to enter the exact WEP key or WPA passphrase correctly.
- Check if your computer is restricting the available wireless channels. If so, verify that your wireless access point is using one of the usable channels and change to a usable channel, if necessary.
- If you are using a Wi-Fi Direct connection that suddenly disconnects, the Wi-Fi direct password on your device may have been changed. If necessary, delete the existing DIRECT-xxxxxxxx connection settings from your device and enter a new password. See your device documentation for instructions.
- If you connected your product to a Windows computer using Wi-Fi Direct and it automatically selected Access Point Mode, you may have trouble accessing a low-priority Internet connection. Check the network connection or adapter settings in the Windows Control Panel and set the Internet metric setting to 100 for your version of the Internet Protocol.

Parent topic: Solving Network Problems
Network Software Cannot Find Product on a Network

If EpsonNet Setup cannot find your product on a network, try these solutions:

- Make sure your product is turned on and connected to your network. Verify connection using your product control panel.
- Check if your network name (SSID) contains non-ASCII characters. Your product cannot display non-ASCII characters.
- Print a network connection report and check the codes and messages on the report to help determine the cause of the problem.
- Make sure your product is not connected to a guest network.
- If necessary, reinstall your product software and try running EpsonNet Setup again:
  1. Reset your product’s network settings to their factory defaults.
  2. Windows only: Uninstall your product software.
  3. Restart your router following the instructions in your router documentation.

  **Note:** If you are reading these instructions online, you will lose your Internet connection when you restart your router, so note the next step before restarting it.

  4. Download your product software from the Epson website using the instructions on the Start Here sheet.
- If you have replaced your router, reinstall your product software to connect to the new router.

  **Note:** If you are using a 5 GHz wireless router, set the router to operate in dual band (2.4 GHz and 5 GHz) mode. If your router uses a single network name (SSID) for both the 2.4 GHz and 5 GHz band, give each band its own network name (SSID) instead, such as Home Network 2.4 GHz and Home...
Network 5 GHz. See your router documentation or contact your internet service provider for instructions.

- Check to see if your wireless router or access point has an enabled Privacy Separator function that is preventing detection of your device over the network. See your router or access point documentation for instructions on disabling the Privacy Separator function.

**Parent topic:** Solving Network Problems

**Related concepts**
Uninstall Your Product Software

**Related tasks**
Printing a Network Connection Report

**Related topics**
Wi-Fi Networking

**Product Does Not Appear in Mac Printer Window**

If your product does not appear in the Mac printer window, try these solutions:

- Turn your product off, wait 30 seconds, then turn it back on again.
- If you are connecting the product via Wi-Fi Protected Setup (WPS) and the Wi-Fi icon on your product's LCD screen is not lit, make sure you select one of the WPS options from the product control panel within 2 minutes of pressing the WPS button on your router.
- If you are connecting the product wirelessly via EpsonNet Setup and the Wi-Fi icon does not appear lit on your LCD screen, make sure your product software was installed correctly. If necessary, reinstall your software.

**Note:** If you are using a 5 GHz wireless router, set the router to operate in dual band (2.4 GHz and 5 GHz) mode. If your router uses a single network name (SSID) for both the 2.4 GHz and 5 GHz band, give each band its own network name (SSID) instead, such as Home Network 2.4 GHz and Home Network 5 GHz. See your router documentation or contact your internet service provider for instructions.

**Parent topic:** Solving Network Problems

**Related concepts**
Uninstall Your Product Software
**Wireless Network Connection is Unstable on a Mac**

If you connected a device to a USB 3.0 port on your Mac, you may experience wireless network interference between your product and your Mac.

If you cannot connect to your product over the wireless network or the connection becomes unstable, move the device connected to your Mac USB 3.0 port further away from your Mac.

**Parent topic:** Solving Network Problems

**Cannot Print Over a Network**

If you cannot print over a network, try these solutions:

- Make sure that your product is turned on.
- Make sure you install your product's network software as described in your product documentation.
- Print a network status sheet and verify that the network settings are correct. If the network status is **Disconnected**, check any cable connections and turn your product off and then on again.
- Print a network connection report and check the codes and messages on the report to help determine the cause of the problem.
- If you are using TCP/IP, make sure the product's IP address is set correctly for your network. If your network does not assign IP addresses using DHCP, set the IP address manually.
- Make sure your computer and product are both using the same wireless network.
- If network printing is slow, print a network status sheet and check the signal strength. If it is poor, place your product closer to your router or access point. Avoid placing your product near a microwave oven, 2.4 GHz cordless phone, or large metal object, such as a filing cabinet.

**Note:** If you are using a 5 GHz wireless router, set the router to operate in dual band (2.4 GHz and 5 GHz) mode. If your router uses a single network name (SSID) for both the 2.4 GHz and 5 GHz band, give each band its own network name (SSID) instead, such as Home Network 2.4 GHz and Home Network 5 GHz. See your router documentation or contact your internet service provider for instructions.

- Try restarting your router following the instructions in your router documentation.

**Note:** If you are reading these instructions online, you will lose your Internet connection when you restart your router.
• Check to see if your wireless router or access point has an enabled Privacy Separator function that is preventing printing from a device over the network. See your router or access point documentation for instructions on disabling the Privacy Separator function.

• If you are connecting the product wirelessly via EpsonNet Setup and the Wi-Fi connection icon is not lit or does not appear on the product’s LCD screen, make sure your product software was installed correctly. If necessary, reinstall your software.

Parent topic: Solving Network Problems
Related references
Cannot Scan Over a Network

Related tasks
Printing a Network Status Sheet
Printing a Network Connection Report

Related topics
Wi-Fi Networking

Cannot Scan Over a Network
If you cannot start Epson Scan 2 for scanning over a network, try these solutions:

• If you cannot scan from your product control panel, make sure you restarted your computer after installing the product software. Make sure the Event Manager program is not being blocked by your firewall or security software.

  Note: If you are using a 5 GHz wireless router, set the router to operate in dual band (2.4 GHz and 5 GHz) mode. If your router uses a single network name (SSID) for both the 2.4 GHz and 5 GHz band, give each band its own network name (SSID) instead, such as Home Network 2.4 GHz and Home Network 5 GHz. See your router documentation or contact your internet service provider for instructions.

• If you are scanning a large original at a high resolution, a network communication error may occur. Try scanning again at a lower resolution.

• If network communication was interrupted while starting Epson Scan 2, exit Epson Scan 2, wait a few seconds, and restart it. If Epson Scan 2 cannot restart, turn off your product, turn it back on, and try restarting Epson Scan 2 again.

• Check the scanner setting and reset the connection if necessary using Epson Scan 2 Utility:
Windows 10: Click  and select EPSON > Epson Scan 2 Utility. Make sure your product is selected. If necessary, select the Other tab and click Reset.

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

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

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

• You may need to disable the firewall and any anti-virus software on your wireless router or access point.

Parent topic: Solving Network Problems

Related tasks
Starting a Scan Using the Product Control Panel
Starting a Scan Using the Epson Scan 2 Icon

Solving Copying Problems

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

Product Makes Noise, But Nothing Copies
Product Makes Noise When It Sits for a While

Parent topic: Solving Problems

Product Makes Noise, But Nothing Copies

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

• Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.

• If the nozzle check page does not print, but the product's power is on, make sure your product software is installed correctly.

• Make sure your product is level (not tilted).

Parent topic: Solving Copying Problems

Related concepts
Print Head Cleaning
Print Head Nozzle Check

Product Makes Noise When It Sits for a While
Your product is performing routine maintenance. This is normal.
Parent topic: Solving Copying Problems

Solving Paper Problems
Check these sections if you have problems using paper with your product.
Parent topic: Solving Problems

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

If you see a message that paper has jammed inside the product, follow the steps here.

1. Cancel the print job, if necessary.
2. Remove any jammed paper from the rear paper feed
3. Lift the scanner unit and remove any jammed paper inside.
**Caution:** Do not touch the flat white cable or translucent film inside the printer.

4. Close the scanner unit.

5. Follow the prompts on the LCD screen to clear any error messages. If you still see a paper jam message, check the other paper jam solutions.

**Parent topic:** Solving Paper Problems
Paper Jam Problems in the Rear Cover

If you see a message that paper has jammed in the rear cover, follow the steps here.
1. Cancel the print job, if necessary.
2. Press the buttons to release the rear cover and remove the cover from your product. Carefully remove any jammed paper from inside the product.

3. Remove any jammed paper from the rear cover.

4. Press in the buttons and reattach the rear cover.
5. Follow the prompts on the LCD screen to clear any error messages. If you still see a paper jam message, check the other paper jam solution.

**Parent topic:** Solving Paper Problems

### Paper Ejection Problems

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

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

**Parent topic:** Solving Paper Problems

**Related references**

- Paper Jam Problems Inside the Product
- Paper Jam Problems in the Rear Cover
- Paper or Media Type Settings - Control Panel

**Related tasks**

- Selecting the Paper Settings - Control Panel

### Solving Problems Printing from a Computer

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

**Note:** When printing using AirPrint, the available print settings are different from those covered in this manual. See the Apple website for details.

- Nothing Prints
- Product Icon Does Not Appear in Windows Taskbar
- Printing is Slow

**Parent topic:** Solving Problems

### Nothing Prints

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

- Make sure your product is turned on and connected to your computer.
- Make sure any interface cables are connected securely at both ends.
• If you connected your product to a USB hub, make sure it is a first-tier hub. If it still does not print, connect your product directly to your computer instead of the hub.

• Make sure the printer status is not offline or pending.

• Run a product check to see if a test page prints. If the test page prints, check to see if your product software is installed correctly.

• In Windows, make sure your product is selected as the default printer.

• In Windows, delete all jobs from the Windows Spooler. Click Print Queue on the Maintenance tab in the printer settings window, and cancel any stalled print jobs.

• On a Mac, make sure the printer is not paused.

Parent topic: Solving Problems Printing from a Computer
Related tasks
Running a Product Check

Product Icon Does Not Appear in Windows Taskbar

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

1. Do one of the following:

   • **Windows 10**: Click and select (Settings) > Devices > Printers & scanners. Select your product name and select Manage > Printing preferences.

   • **Windows 8.x**: Navigate to the Apps screen and select Control Panel > Hardware and Sound > Devices and Printers. Right-click your product name, select Printing Preferences, and select your product name again if necessary.

   • **Windows 7**: Click and select Devices and Printers. Right-click your product name, select Printing Preferences, and select your product name again if necessary.

   • **Windows Vista**: Click , select Control Panel, and click Printer under Hardware and Sound. Right-click your product name, select Printing Preferences, and select your product name again if necessary.

2. Click the Maintenance tab.

3. Click the Extended Settings button.

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

5. Click the Monitoring Preferences button.
6. Click the checkbox for the option that adds the shortcut icon to the taskbar.
7. Click OK to close the open program windows.

Parent topic: Solving Problems Printing from a Computer

Printing is Slow

If printing becomes slow, try these solutions:

- Make sure your system meets the requirements for your operating system. If you are printing a high-resolution image, you may need more than the minimum requirements. If necessary, increase your system's memory.
- If you are using Windows 7, close the Devices and Printers window before you print.
- On a Mac, make sure you download and install the Epson printer driver.
- Make sure Quiet Mode is turned off.
- Clear space on your hard drive or run a defragmentation utility to free up existing space.
- Close any programs you are not using when you print.
- If your product is connected to a USB hub, connect it directly to your computer instead.
- If printing becomes slower after printing continuously for a long time, the product may have automatically slowed down to protect the print mechanism from overheating or becoming damaged. Let the product rest with the power on for 30 minutes, then try printing again.

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

- Turn on any high speed settings in your product software.
- Select a lower print quality setting.
- **Windows**: Click the Maintenance or Utility tab, select Extended Settings or Speed and Progress, and select the following settings:
  - Always Spool RAW Datatype
  - Page Rendering Mode
  - Print as Bitmap
- **Windows**: Select Printer Properties, click the More Options tab, and make sure the High Speed setting is enabled.
- **Mac**: Select System Preferences, select Printers & Scanners, and select your product. Select Options & Supplies, select Options (or Driver), and enable the High Speed Printing setting.
If printing is still slow and you are using Windows 7 or Windows Vista, try the following:

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

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

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

**Parent topic:** Solving Problems Printing from a Computer

**Related references**
- Windows System Requirements
- Mac System Requirements
- Paper or Media Type Settings - Printing Software

**Related tasks**
- Selecting Printing Preferences - Mac
- Selecting Basic Print Settings - Mac
- Selecting Basic Print Settings - Windows
- Selecting Extended Settings - Windows

**Solving Page Layout and Content Problems**

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

**Note:** When printing using AirPrint, the available print settings are different from those covered in this manual. See the Apple website for details.

- Inverted Image
- Too Many Copies Print
- Blank Pages Print
- Incorrect Margins on Printout
- Border Appears on Borderless Prints
- Incorrect Characters Print
- Incorrect Image Size or Position
**Slanted Printout**

Parent topic: Solving Problems

**Inverted Image**

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

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

Parent topic: Solving Page Layout and Content Problems

Related tasks
Selecting Basic Print Settings - Mac
Selecting Additional Layout and Print Options - Windows

**Too Many Copies Print**

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

Parent topic: Solving Page Layout and Content Problems

**Blank Pages Print**

If blank pages print unexpectedly, try these solutions:

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

Parent topic: Solving Page Layout and Content Problems

Related concepts
Print Head Cleaning
Print Head Nozzle Check
Incorrect Margins on Printout

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

- Make sure you selected the correct paper size settings in your printing program and printer software.
- Make sure you selected the correct margins for your paper size in your printing program.
- Make sure your paper is positioned correctly for feeding into the product.

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

Parent topic: Solving Page Layout and Content Problems

Border Appears on Borderless Prints

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

- Make sure you are printing on a compatible borderless paper type and size.

  Note: For custom paper sizes, make sure you select a supported borderless page width.

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

**Parent topic:** Solving Page Layout and Content Problems

**Related tasks**

- Selecting Basic Print Settings - Mac
- Selecting Basic Print Settings - Windows

**Incorrect Characters Print**

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

• Make sure any cables are securely connected at both ends.

• In Windows, delete all jobs from the Windows Spooler. Click **Print Queue** on the Maintenance tab in the printer settings window, and cancel any stalled print jobs.

• If your product is connected to a USB hub, connect it directly to your computer instead.

• If your computer entered sleep mode the last time you printed, the next print job after your computer exits sleep mode may contain garbled characters. Print your document again.

• If incorrect characters still appear in your prints, try connecting your product using a different cable.

**Parent topic:** Solving Page Layout and Content Problems

**Related tasks**

- Selecting Basic Print Settings - Mac
- Selecting Basic Print Settings - Windows
- Selecting Page Setup Settings - Mac

**Incorrect Image Size or Position**

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

• Make sure you selected the correct paper size and layout settings in your printing program and printer software.

• Make sure you selected the correct paper size on the control panel.

• Make sure your paper is positioned correctly for feeding into the printer.

• Clean the scanner glass and document cover.

• If the edges of a copy are cropped, slightly move the original away from the edges of the scanner glass.
• Make sure you selected the correct margins for your paper size in your printing program.
• Be sure to select the correct **Original Size** setting for your original in the Copy settings.
You can use the preview option in your printer software to check your margins before you print.

**Parent topic:** Solving Page Layout and Content Problems

**Related tasks**
- Selecting Basic Print Settings - Mac
- Selecting Basic Print Settings - Windows
- Selecting Page Setup Settings - Mac
- Loading Paper in the Sheet Feeder

**Slanted Printout**

If your printouts are slanted, try these solutions:
• Slide the edge guides against the edges of the paper.
• Select a higher print quality setting in your printer software.
• Turn off any high speed settings in your product software.
• Align the print head.
• Make sure the product is not printing while tilted or at an angle.

**Parent topic:** Solving Page Layout and Content Problems

**Related tasks**
- Selecting Basic Print Settings - Mac
- Selecting Basic Print Settings - Windows
- Loading Paper in the Sheet Feeder

**Solving Print Quality Problems**

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

**Note:** When printing using AirPrint, the available print settings are different from those covered in this manual. See the Apple website for details.

**White or Dark Lines in Printout**
**Blurry or Smeared Printout**
Faint Printout or Printout Has Gaps
Grainy Printout
Incorrect Colors

Parent topic: Solving Problems

White or Dark Lines in Printout

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

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

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

Parent topic: Solving Print Quality Problems

Related concepts
Print Head Cleaning
Print Head Nozzle Check
Print Head Alignment
Power Cleaning

Related references
Paper or Media Type Settings - Printing Software

Related tasks
Selecting Additional Layout and Print Options - Windows
Selecting Printing Preferences - Mac
Refilling the Ink Tanks
Blurry or Smeared Printout

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

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

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

Parent topic: Solving Print Quality Problems
Related concepts
Print Head Cleaning
Print Head Nozzle Check
Print Head Alignment
Related references
Paper Specifications
Compatible Epson Papers
Related tasks
Selecting Basic Print Settings - Mac
Selecting Basic Print Settings - Windows
Selecting Additional Layout and Print Options - Windows
Selecting Printing Preferences - Mac
Selecting Extended Settings - Windows

Faint Printout or Printout Has Gaps
If your printouts are faint or have gaps, try these solutions:
• Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
• The ink levels may be low. Visually check the ink levels.
• Make sure the paper type setting matches the type of paper you loaded.
• Make sure your paper is not damp, curled, old, or loaded incorrectly in your product.
• Align the print head.
• Adjust the print quality in the product software.
• Clean the paper path.
• If you have not used the product for a long time, run the Power Cleaning utility.
Note: Power Cleaning consumes a lot of ink, so run this utility only if you cannot improve print quality by cleaning the print head.

Parent topic: Solving Print Quality Problems

Related concepts
- Print Head Cleaning
- Print Head Alignment
- Print Head Nozzle Check

Related references
- Paper or Media Type Settings - Printing Software
- Paper or Media Type Settings - Control Panel

Related tasks
- Cleaning the Paper Guide
- Refilling the Ink Tanks
- Loading Paper in the Sheet Feeder

Grainy Printout
If your printouts are grainy, try these solutions:

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

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

• If you enlarged the image size in an image-editing program, you need to increase the image resolution setting to retain a high image quality. Increase the image resolution by the same amount you increase the image size. For example, if the image resolution is 300 dpi (dots per inch) and you will double the image size for printing, change the resolution setting to 600 dpi.
Note: Higher resolution settings result in larger file sizes, which take longer to process and print. Consider the limitations of your computer system when selecting a resolution, and select the lowest possible resolution that produces acceptable quality to keep file sizes manageable.

Parent topic: Solving Print Quality Problems

Related concepts
Print Head Cleaning
Print Head Alignment
Print Head Nozzle Check

Related tasks
Selecting Basic Print Settings - Mac
Selecting Basic Print Settings - Windows
Selecting Additional Layout and Print Options - Windows
Selecting Printing Preferences - Mac

Incorrect Colors

If your printouts have incorrect colors, try these solutions:

- Make sure the paper type setting matches the paper you loaded.
- Make sure the Grayscale setting is not selected in your printer software.
- If you selected Standard-Vivid (Windows) or Normal-Vivid (Mac) as the quality setting in the printer software, try selecting Standard (Windows) or Normal (Mac) instead.
- Run a nozzle check to see if any of the print head nozzles are clogged. Then clean the print head, if necessary.
- The ink levels may be low and you may need to refill the ink. Visually check the ink levels.
- If you printed when the ink levels were too low to be seen in the ink tank windows, refill the ink tanks to the upper lines and run the Power Cleaning utility. Then run a nozzle check to see if print quality has improved.
- After you print, the colors in your printout need time to set as the ink dries. During this time, the colors may look different than you expect. To speed up drying time, do not stack your printouts on top of each other.
- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. Try using the color management options in your printer software.
• For best results, use genuine Epson paper.
• If you have not used the product for a long time, run the Power Cleaning utility.

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

**Parent topic:** Solving Print Quality Problems

**Related concepts**

Print Head Cleaning  
Print Head Nozzle Check  
Power Cleaning

**Related references**

Compatible Epson Papers

**Related tasks**

Selecting Basic Print Settings - Mac  
Selecting Basic Print Settings - Windows  
Selecting Additional Layout and Print Options - Windows  
Selecting Printing Preferences - Mac  
Managing Color - Mac  
Refilling the Ink Tanks

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**Solving Scanning Problems**

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

**Scanning Software Does Not Operate Correctly**

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

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

• Make sure your computer is not running in a power-saving mode, such as sleep or standby. If so, wake your system and restart your scanning software.
• If you upgraded your operating system but did not reinstall your scanning software, try reinstalling it.

In Windows, make sure your product is listed as a valid device in the **Scanners and Cameras** control panel.

**Parent topic:** Solving Scanning Problems

**Related concepts**

Uninstall Your Product Software

**Related references**

Windows System Requirements
Mac System Requirements

---

**Cannot Start Epson Scan 2**

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

- Make sure your product is turned on and any interface cables are securely connected at both ends.
- Make sure Epson Scan 2 is selected as your scanning program.
- Make sure your computer is not running in a power-saving mode, such as sleep or standby. If so, wake your system and restart Epson Scan 2.
- Check the connection setting and test the connection using Epson Scan 2 Utility:
  - **Windows 10:** Click ☑ and select **EPSON > Epson Scan 2 Utility.** Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset.**
  - **Windows 8.x:** Navigate to the **Apps** screen and select **Epson Scan 2 Utility.** Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset.**
  - **Windows (other versions):** Click 📀 or **Start > All Programs** or **Programs > EPSON > Epson Scan 2 > Epson Scan 2 Utility.** Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset.**
  - **Mac:** Open the **Applications** folder, click **Epson Software,** and click **Epson Scan 2 Utility.** Make sure the correct product is selected. If necessary, select the **Other** tab and click **Reset.**
- Make sure you do not have multiple versions of Epson Scan 2 installed. If you do, uninstall both versions and install one version.
- If you upgraded your operating system but did not reinstall Epson Scan 2, try reinstalling it.

**Parent topic:** Solving Scanning Problems
Solving Scanned Image Quality Problems

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

Image Consists of a Few Dots Only
Line of Dots Appears in All Scanned Images
Straight Lines in an Image Appear Crooked
Image is Distorted or Blurry
Image Colors are Patchy at the Edges
Image is Too Dark
Back of Original Image Appears in Scanned Image
Ripple Patterns Appear in an Image
Scanned Image Colors Do Not Match Original Colors
Scanned Image Edges are Cropped

Parent topic: Solving Problems

Image Consists of a Few Dots Only

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

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

Parent topic: Solving Scanned Image Quality Problems

Line of Dots Appears in All Scanned Images

If a line of dots appears in all your scanned images, clean the scanner glass with a soft, dry, lint-free cloth or use a small amount of glass cleaner on the cloth, if necessary. Paper towels are not recommended.

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

Parent topic: Solving Scanned Image Quality Problems
Straight Lines in an Image Appear Crooked
If straight lines in an original appear crooked in a scanned image, make sure to place your original straight when you scan it.
Parent topic: Solving Scanned Image Quality Problems
Related tasks
Placing Originals on the Scanner Glass

Image is Distorted or Blurry
If a scanned image appears distorted or blurry, try these solutions:
• Do not move your original or your product during scanning.
• Your product will not operate properly while tilted at an angle. Place your product on a flat, stable surface that extends beyond its base in all directions.
• Adjust these Epson Scan 2 settings (if available) and try scanning again:
  • Increase the Resolution setting.
  • If the Image Type setting is Black & White, adjust the Threshold setting.
  • If the Image Type setting is Color or Grayscale, select the Unsharp Mask setting.
  • If the Image Type setting is Black & White, select Text Enhancement. If the Image Type setting is Color or Grayscale, change the Text Enhancement setting to High.
Parent topic: Solving Scanned Image Quality Problems
Related references
Additional Scanning Settings - Main Settings Tab
Additional Scanning Settings - Advanced Settings Tab

Image Colors are Patchy at the Edges
If you are scanning a thick or warped original, cover its edges with paper to block external light as you scan it.
Parent topic: Solving Scanned Image Quality Problems

Image is Too Dark
If your scanned image is too dark, try these solutions:
• If the Image Type is set to Color or Grayscale, adjust the Brightness setting.
• Check the brightness and contrast settings of your computer monitor.

Parent topic: Solving Scanned Image Quality Problems

Related references
Additional Scanning Settings - Main Settings Tab
Additional Scanning Settings - Advanced Settings Tab

Back of Original Image Appears in Scanned Image

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

• Place a piece of black paper on the back of the original and scan it again.
• Adjust these Epson Scan 2 settings (if available) and try scanning again:
  • Select the Advanced Settings tab and adjust the Brightness setting.
  • If the Image Type is set to Black & White, select Text Enhancement. If the Image Type is set to Color or Grayscale, change the Text Enhancement setting to High.

Parent topic: Solving Scanned Image Quality Problems

Ripple Patterns Appear in an Image

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

• Select the Descreening setting.
• Select a lower Resolution setting.

Parent topic: Solving Scanned Image Quality Problems

Related references
Additional Scanning Settings - Main Settings Tab
Additional Scanning Settings - Advanced Settings Tab

Scanned Image Colors Do Not Match Original Colors

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

Check the color matching and color management capabilities of your computer, display adapter, and the software you are using to see if they are affecting the palette of colors you see on your screen.
To adjust the colors in your scanned image, adjust these Epson Scan 2 settings (if available) and try scanning again:

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

**Parent topic:** Solving Scanned Image Quality Problems

Related references

Additional Scanning Settings - Main Settings Tab
Additional Scanning Settings - Advanced Settings Tab

**Scanned Image Edges are Cropped**

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

**Parent topic:** Solving Scanned Image Quality Problems

Related tasks

Placing Originals on the Scanner Glass

**Solving Memory Card Problems**

Check these solutions if you have problems using memory cards with your product.

- **Memory Card Does Not Fit Into a Slot**
- **Cannot View or Print Photos from a Memory Card or Device**
- **Cannot Transfer Photos to or from a Memory Card or Device**

**Parent topic:** Solving Problems

Related references

Cannot Transfer Photos to or from a Memory Card or Device

**Memory Card Does Not Fit Into a Slot**

If a memory card does not fit properly in a slot, do not force it in. You may need to use an adapter with your memory card.

**Parent topic:** Solving Memory Card Problems

Related references

Memory Card Types
Cannot View or Print Photos from a Memory Card or Device

If you cannot view or print photos from a memory card or USB device inserted in your product, try these solutions:

• Make sure your memory card or device is compatible with the product.
• Make sure the files on your memory card or device are in the correct format.
• If you have too many photos on your memory card or device, you may not see all the photos you expect or may be prompted to select a group of photos by date. Reduce the number of photos on your card or select one group of photos at a time. Check the specifications for the maximum number of photos.

Parent topic: Solving Memory Card Problems

Related references
Memory Card Types
Memory Card File Specifications
Memory Card Specifications

Cannot Transfer Photos to or from a Memory Card or Device

If you have problems transferring photos to or from a memory card or USB device inserted in your product, try these solutions:

• Make sure your memory card or device is compatible with the product.
• Make sure your product is securely connected to your computer.
• If you are transferring photos to a memory card, check the memory card's write-protect tab to make sure it is set to allow writing to the card.

Parent topic: Solving Memory Card Problems

Related references
Memory Card Types

Uninstall Your Product Software

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

Uninstalling Product Software - Windows
Uninstalling Product Software - Mac

Parent topic: Solving Problems
Uninstalling Product Software - Windows

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

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

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

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

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

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

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

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

5. Do one of the following to uninstall Epson Scan 2, then follow any on-screen instructions:
   - **Windows 10**: Select Epson Scan 2 and click Uninstall.
   - **Windows 8.x/Windows 7/Windows Vista**: Select Epson Scan 2 and click Uninstall/Change.

6. Restart your computer, then see the Start Here sheet to re-install your software.

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

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

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

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

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

Where to Get Help

If you need to contact Epson for technical support services, use the following support options.

Internet Support

Visit Epson’s support website at epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean) and select your product for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.
Speak to a Support Representative

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

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

Then call:

• U.S.: (562) 276-4382, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday
• Canada: (905) 709-3839, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday

Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Purchase Supplies and Accessories

You can purchase genuine Epson ink and paper at epson.com (U.S. sales), epson.ca (Canadian sales), or epson.com.jm (Caribbean sales). You can also purchase supplies from an Epson authorized reseller. To find the nearest one, call 800-GO-EPSON (800-463-7766) in the U.S. or 800-807-7766 in Canada.

Parent topic: Solving Problems
Technical Specifications

These sections list the technical specifications for your product.

Note: Epson offers a recycling program for end of life Epson products. Please go to this site (U.S) or this site (Canada) for information on how to return your Epson products for proper disposal.

Windows System Requirements
Mac System Requirements
Paper Specifications
Printable Area Specifications
Scanning Specifications
Ink Specifications
Memory Card Specifications
Dimension Specifications
Electrical Specifications
Environmental Specifications
Interface Specifications
Network Interface Specifications
Safety and Approvals Specifications

Windows System Requirements

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

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

Note: For the latest product software available for your operating system, visit the Epson support site at epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean), select your product, and select Downloads.

Parent topic: Technical Specifications

Mac System Requirements
To use your product and its software, your Mac should use one of these operating systems:
• macOS 10.13.x
• macOS 10.12.x
• OS X 10.11.x
• OS X 10.10.x
• OS X 10.9.x
• OS X 10.8.x
• OS X 10.7.x
• OS X 10.6.8

Note: For the latest product software available for your operating system, visit the Epson support site at epson.com/support (U.S.), epson.ca/support (Canada), or epson.com.jm/support (Caribbean), select your product, and select Downloads.

Parent topic: Technical Specifications

Paper Specifications

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

Size
- A4 (8.3 × 11.7 inches [210 × 297 mm])
- A6 (4.1 × 5.8 inches [105 × 148 mm])
- Letter (8.5 × 11 inches [216 × 279 mm])
- Legal (8.5 × 14 inches [216 × 356 mm])
- 8.5 × 13 inches [216 × 330 mm]
- 4 × 6 inches (102 × 152 mm)
- 5 × 7 inches (127 × 178 mm)
- 8 × 10 inches (203 × 254 mm)
- 3.5 × 5 inches (89 × 127 mm)
- Executive (7.25 × 10.5 inches [184 × 267 mm])
- 16:9 wide (4 × 7.1 inches [102 × 181 mm])
- Half Letter (5.5 × 8.5 inches [140 × 216 mm])

Paper types
Plain paper

Note: Your product also supports compatible papers distributed by Epson. Select the link at the end of this topic to view a list of compatible Epson papers.

Weight
Plain paper: 17 lb (64 g/m²) to 24 lb (90 g/m²)

Envelopes

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

Paper types
Plain bond paper

Weight
20 lb (75 g/m²) to 24 lb (90 g/m²)

Parent topic: Technical Specifications
Related references
Compatible Epson Papers
Printable Area Specifications

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

Single sheets

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

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

**Envelopes**

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

**Scanning Specifications**

**Scanner type** Flatbed, color

**Photoelectric device** CIS

**Effective pixels** 10200 × 14040 pixels (1200 dpi)

**Document size** Maximum: 8.5 × 11.7 inches (216 × 297 mm)

Scanner glass: US letter or A4

**Scanning resolution** 1200 dpi (main scan)
2400 dpi (sub scan)

**Output resolution** 50 to 9600 dpi in 1 dpi increments
Image data

Color:
48 bits per pixel (16 bits per pixel per color) internal
24 bits per pixel (8 bits per pixel per color) external
Grayscale:
16 bits per pixel internal
8 bits per pixel external
Black and white:
16 bits per pixel internal
1 bit per pixel external

Light source
LED

Parent topic: Technical Specifications

Ink Specifications

Note: Epson's warranties do not extend to any damage caused by the use of third-party ink or ink not designed for your printer.

The included initial ink bottles must be used for printer setup and are not for resale. The printer ships with full ink bottles and part of the ink from the first bottles is used to charge the print head. Yields vary considerably based on images printed, print settings, paper type, frequency of use and temperature.

Color
Black, Cyan, Magenta, Yellow

Ink life
Do not use if the date on the package has expired

Temperature
Storage: –4 to 104 °F (–20 to 40 °C)
1 month at 104 °F (40 °C)
Ink freezes at 5 °F (–15 °C)
Ink thaws and is usable after approximately 2 hours at 77 °F (25 °C)

Parent topic: Technical Specifications

Related references
Ink Bottle Part Numbers
Memory Card Specifications

**Note:** Cards marked with an asterisk (*) require an adapter; consult your adapter documentation for details on using it.

### Compatible types and maximum capacities

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD</td>
<td>2GB</td>
</tr>
<tr>
<td>SDHC</td>
<td>32GB</td>
</tr>
<tr>
<td>SDXC</td>
<td>64GB</td>
</tr>
<tr>
<td>miniSD*</td>
<td>2GB</td>
</tr>
<tr>
<td>miniSDHC*</td>
<td>32GB</td>
</tr>
<tr>
<td>microSD*</td>
<td>2GB</td>
</tr>
<tr>
<td>microSDHC*</td>
<td>32GB</td>
</tr>
<tr>
<td>microSDXC*</td>
<td>64GB</td>
</tr>
</tbody>
</table>

### Media format DCF

JPEG taken by digital cameras that are DCF (Design rule for Camera File system) version 1.0 or 2.0 compliant; photos stored in built-in digital camera memory are not supported.

Parent topic: Technical Specifications

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### Dimension Specifications

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Stored</th>
<th>Printing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>7.4 inches (187 mm)</td>
<td>10.2 inches (259 mm)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>14.8 inches (375 mm)</td>
<td>14.8 inches (375 mm)</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>13.7 inches (347 mm)</td>
<td>22.3 inches (567 mm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>12.1 lb (5.5 kg)</td>
<td></td>
</tr>
</tbody>
</table>

(without ink or power cord)

Parent topic: Technical Specifications
Electrical Specifications

- **Power supply rating**: 100 to 240 V
- **Rated frequency range**: 50/60 Hz
- **Rated current**: 0.4 to 0.2 A
- **Power consumption**:
  - Standalone copying: Approximately 12 W (ISO/IEC24712)
  - Ready mode: Approximately 4.3 W
  - Sleep mode: Approximately 0.7 W
  - Power off mode: Approximately 0.2 W

Parent topic: Technical Specifications

Environmental Specifications

- **Temperature**:
  - Operating: 50 to 95 °F (10 to 35 °C)
  - Storage: –4 to 104 °F (–20 to 40 °C)
  - 1 month at 104 °F (40 °C)
- **Humidity**:
  - Operating: 20 to 80% RH
  - Storage: 5 to 85% RH

Parent topic: Technical Specifications

Interface Specifications

- **Interface type**: Hi-Speed USB (Device Class for computers)

Parent topic: Technical Specifications

Network Interface Specifications

- **Standard**: IEEE 802.11 b/g/n; complies with either IEEE 802.11 b/g or IEEE 802.11 b/g/n, depending on purchase location
Security

- WEP (64/128 bit)
- WPA2-PSK (AES); complies with WPA2 with support for WPA/WPA2 Personal

Frequency band

2.4 GHz

Communication mode

- Infrastructure mode
- Wi-Fi Direct (Simple AP); not supported for IEEE 802.11b

Security protocol

- SSL/TLS
- HTTPS Server/Client, IPPS

Maximum radio frequency power transmitted

19.8 dBm (EIRP)

Parent topic: Technical Specifications

Safety and Approvals Specifications

**United States**

- Safety: UL60950-1
- EMC: FCC part 15 Subpart B class B

**Canada**

- Safety: CAN/CSA C22.2 No. 60950-1
- EMC: CAN/CSA-CEI/IEC CISPR 22 Class B

This equipment contains the following wireless module:

- Manufacturer: Askey Computer Corporation.
- Type: WLU6320-D69 (RoHS)

This product conforms to Part 15 of 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).

Parent topic: Technical Specifications
Notices

Check these sections for important notices about your product.

Note: Epson offers a recycling program for end of life Epson products. Please go to this site (U.S) or this site (Canada) for information on how to return your Epson products for proper disposal.

Important Safety Instructions
FCC Compliance Statement
Binding Arbitration and Class Waiver
Trademarks
Copyright Notice

Important Safety Instructions

Before using your Epson product, read and follow these safety instructions.

General Product Safety Instructions
Wireless Connection Safety Instructions
LCD Screen Safety Instructions

Parent topic: Notices

General Product Safety Instructions

- Be sure to follow all warnings and instructions marked on the product.
- Use only the type of power source indicated on the product's label.
- Use only the power cord that comes with the product. Use of another cord may cause fires or shock. Do not use the cord with any other equipment.
- Make sure the AC power cord meets the relevant local safety standard.
- Place the product near a wall outlet where the plug can be easily unplugged.
- Avoid plugging the product into an outlet on the same circuit as a photo copier or air control system that regularly switches on and off, or on an outlet controlled by a wall switch or timer.
- Do not let the power cord become damaged or frayed. Place it to avoid abrasions, cuts, fraying, crimping, and kinking. Do not place objects on top of it and do not allow it to be stepped on or run over. Be careful to keep the cord straight at each end.
• If you use an extension cord with the product, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet’s ampere rating.

• Always turn off the product using the power button, and wait until the power light stops flashing before unplugging the product or cutting off power to the electrical outlet.

• If you will not be using the product for a long period, unplug the power cord from the electrical outlet.

• Place the product on a flat, stable surface that extends beyond its base in all directions. It will not operate properly if it is tilted or at an angle.

• Allow space behind the product for the cables, and space above the product so that you can fully raise the document cover.

• Leave enough space in front of the product for the paper to be fully ejected.

• Avoid locations that are subject to rapid changes in heat or humidity, shocks or vibrations, or dust.

• Do not place or store the product outdoors.

• Do not place the product near excessive heat sources or in direct sunlight.

• Leave enough room around the product for sufficient ventilation. Do not block or cover openings in the case or insert objects through the slots.

• Keep the product away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.

• Keep your product at least 8.7 inches (22 cm) away from cardiac pacemakers to prevent your product’s radio waves from affecting the operation of the pacemaker.

• When connecting the product 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.

• Do not touch the flat white cable or ink tubes inside the product.

• Do not move the print head by hand; this may damage the product.

• Do not put your hand inside the product while it is printing.

• Do not spill liquid on the product or use the product with wet hands.

• Do not use aerosol products that contain flammable gases inside or around the product. Doing so may cause fire.

• Do not press too hard on the document table when placing originals.
- Do not open the scanner section while the product is copying, printing, scanning, or performing any other functions.
- Be careful not to trap your fingers when closing the document cover or scanner.
- Except as specifically explained in your documentation, do not attempt to service or disassemble the product yourself.
- Unplug the product and refer servicing to qualified service personnel under the following conditions: if the power cord or plug is damaged; if liquid has entered the product; if the product has been dropped or the case damaged; if the product does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.
- Before transporting the product, make sure that the print head is in the home (far right) position.
- When storing or transporting the product, do not tilt it, stand it on its side, or turn it upside down; otherwise, ink may leak.

**Parent topic:** Important Safety Instructions

### Wireless Connection Safety Instructions

Radio waves from this product may adversely affect the operation of medical equipment or automatically controlled devices, such as pacemakers, automatic doors or fire alarms. When using this product near such devices or inside a medical facility, follow the directions from authorized staff members at the facility, and follow all posted warnings and directions on the device to avoid causing an accident.

**Parent topic:** Important Safety Instructions

### LCD Screen Safety Instructions

- Use only a dry, soft cloth to clean the LCD screen. Do not use liquid or chemical cleansers.
- If the LCD screen is damaged, contact Epson. 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.
- Do not press too hard on the LCD screen or subject it to heavy impacts.
- Do not use a pointy or sharp object, such as a pen or your fingernail, to operate the LCD screen.
- If the LCD screen chips or cracks, do not touch or attempt to remove the broken pieces; contact Epson for support.

**Parent topic:** Important Safety Instructions
FCC Compliance Statement

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

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

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

For Canadian Users
CAN ICES-3(B)/NMB-3(B)

Parent topic: Notices

Binding Arbitration and Class Waiver

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

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

1.2 **Binding Arbitration.** You and Epson agree that all Disputes shall be resolved by binding arbitration according to this Agreement. **ARBITRATION MEANS THAT YOU WAIVE YOUR RIGHT TO A JUDGE OR JURY IN A COURT PROCEEDING AND YOUR GROUNDS FOR APPEAL ARE LIMITED.** Pursuant to this Agreement, binding arbitration shall be administered by JAMS, a nationally recognized arbitration authority, pursuant to its code of procedures then in effect for consumer related disputes, but excluding any rules that permit joinder or class actions in arbitration (for more detail on procedure, see Section 1.6 below). You and Epson understand and agree that (a) the Federal Arbitration Act (9 U.S.C. §1, et seq.) governs the interpretation and enforcement of this Section 1, (b) this Agreement memorializes a transaction in interstate commerce, and (c) this Section 1 shall survive termination of this Agreement.

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

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

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

1.6 Arbitration Procedure. If you or Epson commences arbitration, the arbitration shall be governed by the rules of JAMS that are in effect when the arbitration is filed, excluding any rules that permit arbitration on a class or representative basis (the “JAMS Rules”), available at http://www.jamsadr.com or by calling 1-800-352-5267, and under the rules set forth in this Agreement. All Disputes shall be resolved by a single neutral arbitrator, and both parties shall have a reasonable opportunity to participate in the selection of the arbitrator. The arbitrator is bound by the terms of this Agreement. The arbitrator, and not any federal, state or local court or agency, shall have exclusive authority to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability or formation of this Agreement, including any claim that all or any part of this Agreement is void or voidable. Notwithstanding this broad delegation of authority to the arbitrator, a court may determine the limited question of whether a claim or cause of action is for an IP Claim, which is excluded from the definition of "Disputes" in Section 1.1 above. The arbitrator shall be empowered to grant whatever relief would be available in a court under law or in equity. The arbitrator may award you the same damages as a court could, and may award declaratory or injunctive relief only in favor of the individual party seeking relief and only to the extent necessary to provide relief warranted by that party's individual claim. In some instances, the costs of arbitration can exceed the costs of litigation and the right to discovery may be more limited in arbitration than in court. The arbitrator's award is binding and may be entered as a judgment in any court of competent jurisdiction.

You may choose to engage in arbitration hearings by telephone. Arbitration hearings not conducted by telephone shall take place in a location reasonably accessible from your primary residence, or in Orange County, California, at your option.

a) Initiation of Arbitration Proceeding. If either you or Epson decides to arbitrate a Dispute, both parties agree to the following procedure:

(i) Write a Demand for Arbitration. The demand must include a description of the Dispute and the amount of damages sought to be recovered. You can find a copy of a Demand for Arbitration at http://www.jamsadr.com ("Demand for Arbitration").

(ii) Send three copies of the Demand for Arbitration, plus the appropriate filing fee, to: JAMS, 500 North State College Blvd., Suite 600 Orange, CA 92868, U.S.A.

(iii) Send one copy of the Demand for Arbitration to the other party (same address as the Dispute Notice), or as otherwise agreed by the parties.

b) Hearing Format. During the arbitration, the amount of any settlement offer made shall not be disclosed to the arbitrator until after the arbitrator determines the amount, if any, to which you or Epson is entitled. The discovery or exchange of non-privileged information relevant to the Dispute may be allowed during the arbitration.
c) Arbitration Fees. Epson shall pay, or (if applicable) reimburse you for, all JAMS filings and arbitrator fees for any arbitration commenced (by you or Epson) pursuant to provisions of this Agreement.

d) Award in Your Favor. For Disputes in which you or Epson seeks $75,000 or less in damages exclusive of attorney's fees and costs, if the arbitrator's decision results in an award to you in an amount greater than Epson's last written offer, if any, to settle the Dispute, Epson will: (i) pay you $1,000 or the amount of the award, whichever is greater; (ii) pay you twice the amount of your reasonable attorney's fees, if any; and (iii) reimburse you for any expenses (including expert witness fees and costs) that your attorney reasonably accrues for investigating, preparing, and pursuing the Dispute in arbitration. Except as agreed upon by you and Epson in writing, the arbitrator shall determine the amount of fees, costs, and expenses to be paid by Epson pursuant to this Section 1.6d).

e) Attorney's Fees. Epson will not seek its attorney's fees and expenses for any arbitration commenced involving a Dispute under this Agreement. Your right to attorney's fees and expenses under Section 1.6d) above does not limit your rights to attorney's fees and expenses under applicable law; notwithstanding the foregoing, the arbitrator may not award duplicative awards of attorney's fees and expenses.

1.7 Opt-out. You may elect to opt-out (exclude yourself) from the final, binding, individual arbitration procedure and waiver of class and representative proceedings specified in this Agreement by sending a written letter to the Epson Address within thirty (30) days of your assent to this Agreement (including without limitation the purchase, download, installation of the Software or other applicable use of Epson Hardware, products and services) that specifies (i) your name, (ii) your mailing address, and (iii) your request to be excluded from the final, binding individual arbitration procedure and waiver of class and representative proceedings specified in this Section 1. In the event that you opt-out consistent with the procedure set forth above, all other terms shall continue to apply, including the requirement to provide notice prior to litigation.

1.8 Amendments to Section 1. Notwithstanding any provision in this Agreement to the contrary, you and Epson agree that if Epson makes any future amendments to the dispute resolution procedure and class action waiver provisions (other than a change to Epson's address) in this Agreement, Epson will obtain your affirmative assent to the applicable amendment. If you do not affirmatively assent to the applicable amendment, you are agreeing that you will arbitrate any Dispute between the parties in accordance with the language of this Section 1 (or resolve disputes as provided for in Section 1.7, if you timely elected to opt-out when you first assented to this Agreement).

1.9 Severability. If any provision in this Section 1 is found to be unenforceable, that provision shall be severed with the remainder of this Agreement remaining in full force and effect. The foregoing shall not apply to the prohibition against class or representative actions as provided in Section 1.5. This means that if Section 1.5 is found to be unenforceable, the entire Section 1 (but only Section 1) shall be null and void.

Parent topic: Notices
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Parent topic: Notices

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Default Delay Times for Power Management for Epson Products

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This product will enter sleep mode after a period of nonuse. This is to ensure that the product meets Energy Star standards of energy efficiency. More energy savings can be achieved by setting the time to sleep to a shorter interval.

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