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DS-70/DS-80W User's Guide

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DS-70/DS-80W User's Guide

Welcome to the DS-70/DS-80W *User's Guide*.

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

Scanner Basics

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

Scanner Parts Locations
Changing the Power Save Settings
Charging the Battery (DS-80W)

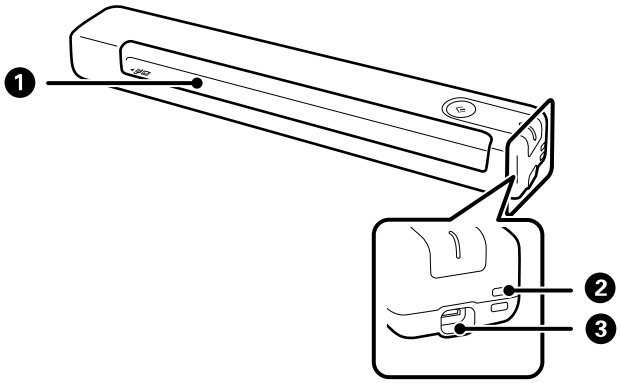
Scanner Parts Locations

See these sections to identify the parts on your scanner.

Scanner Parts
Scanner Buttons and Lights
User Replaceable Epson Scanner Accessories

Parent topic: Scanner Basics

Scanner Parts



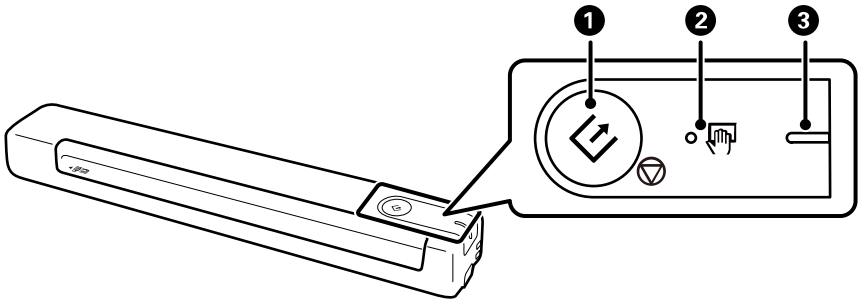
Note: The illustrations show the DS-70, but the parts are the same for the DS-80W.

1 Input slot
2 Loophole
3 USB port

Parent topic: Scanner Parts Locations

Scanner Buttons and Lights

DS-70

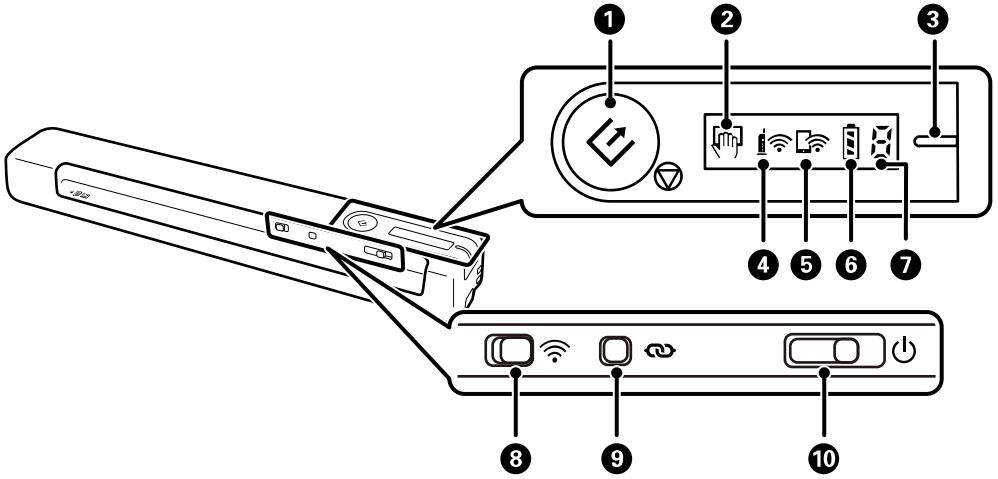


1 start button

2 automatic feeding mode light

3 Ready light

DS-80W



1 start button
2 automatic feeding mode light
3 Ready light
4 Wi-Fi light
5 Wi-Fi AP light
6 battery light
7 Error status light
8 Wi-Fi switch
9 Wi-Fi connect button
10 power switch

Parent topic: Scanner Parts Locations

User Replaceable Epson Scanner Accessories

You can purchase genuine Epson accessories at epson.com (U.S. sales), epson.ca (Canadian sales), or epson.com.jm (Caribbean sales). You can also purchase accessories 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.

Part	Part number
Carrier sheet for portable scanners	B12B819451
Maintenance sheet kit 2	B12B819481

Parent topic: Scanner Parts Locations

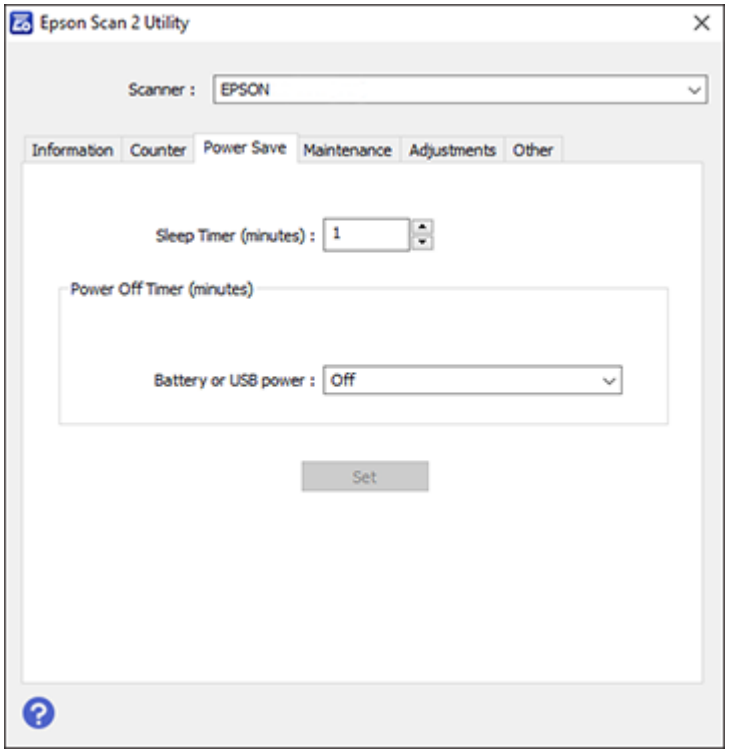
Changing the Power Save Settings

You can use the Epson Scan 2 Utility to change the time period before the scanner enters sleep mode and turns off automatically.

1. Do one of the following to access the Epson Scan 2 Utility:
   - **Windows 10**: Click and select **EPSON** > **Epson Scan 2 Utility**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Epson Scan 2 Utility**.

- **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **EPSON** > **Epson Scan 2** > **Epson Scan 2 Utility**.
- **Mac:** Open the **Applications** folder, open the **Epson Software** folder, and select **Epson Scan 2 Utility**.

2. Click the **Power Save** tab.



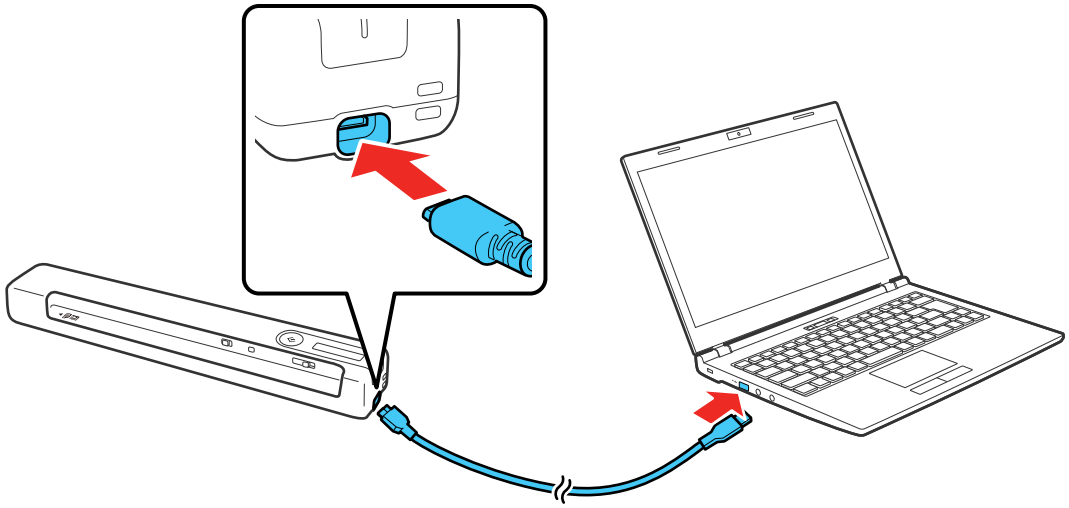
3. Select the length of time after which you want the scanner to go to sleep as the **Sleep Timer** setting.
4. Select a power off timer setting for the **Battery or USB power** setting (DS-80W).
5. Click **Set**.
6. Close the Epson Scan 2 Utility.

Parent topic: Scanner Basics

Charging the Battery (DS-80W)

The scanner runs on battery power when it is not connected to the computer with a USB cable, or if it is connected via Wi-Fi. You can charge the battery from a computer with a USB connection to the scanner.

1. Make sure that the computer is turned on and not in sleep mode.
2. Connect the scanner to the computer using the micro USB cable that came with the scanner.



3. Slide the ⏻ power switch to turn on the scanner.

   The 🔋 battery light flashes and shows the battery level while the battery is charging. When charging is complete, the battery level is shown as full. If the scanner is off when charging completes, the battery light turns off.

   Note: The battery takes about 3.5 hours to fully charge. Charging times increase if the scanner is on during the charging process.

Parent topic: Scanner Basics

Loading Originals

Follow the instructions here to load your originals into the scanner.

Loading Originals in the Input Slot
Original Document Specifications
Receipt Specifications
Special Original Specifications
Plastic Card Specifications

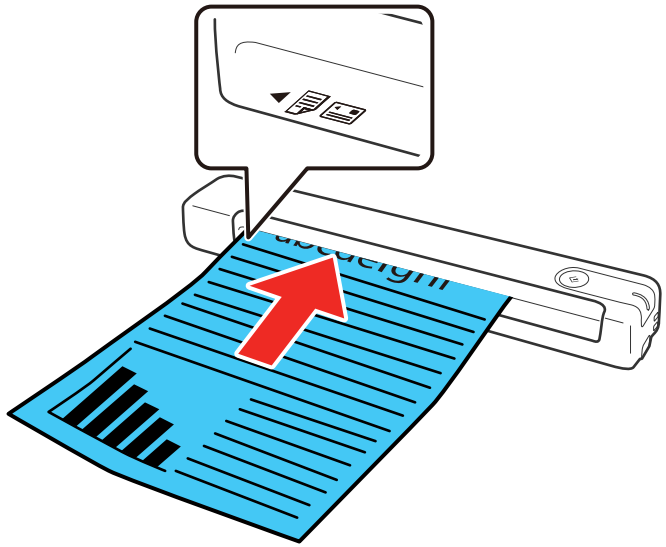
Loading Originals in the Input Slot

You can load an original that meets the document specifications in the input slot.

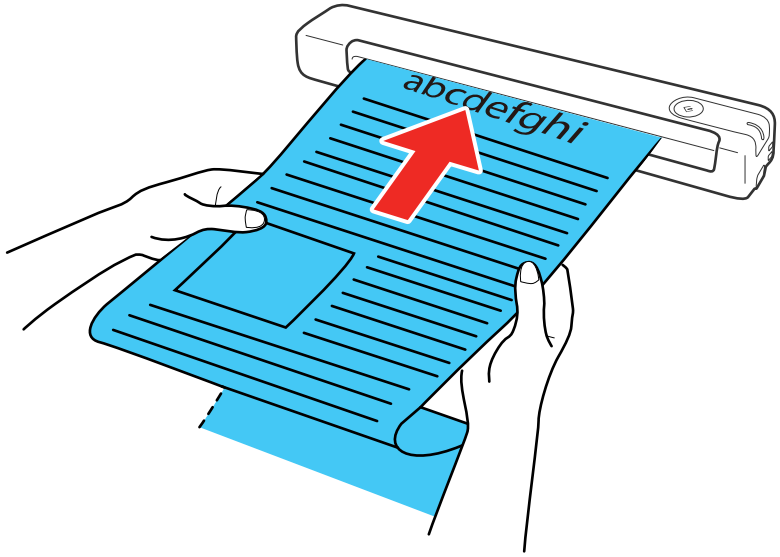
Caution: Do not load photos, or valuable original documents or artwork, directly into the scanner. This may wrinkle or damage the original.

Note: The illustrations show the DS-70 model, but the steps are the same for the DS-80W.

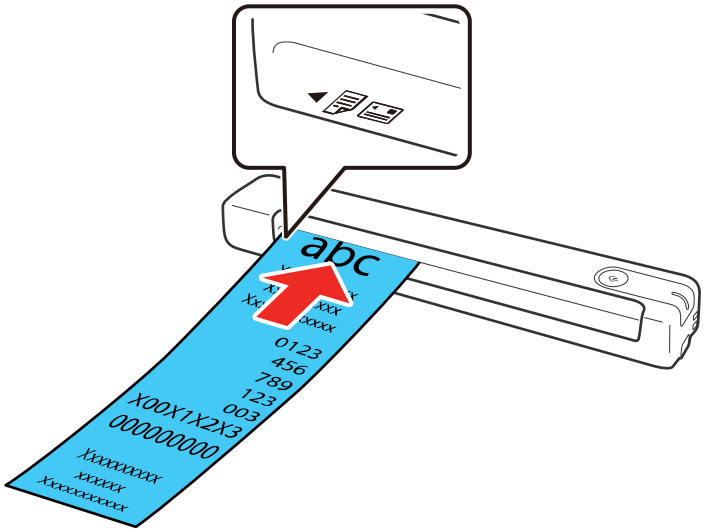
- For standard size originals, slide your original into the input slot against the left side as shown until it meets resistance. Make sure the printed side is faceup and top edge first.



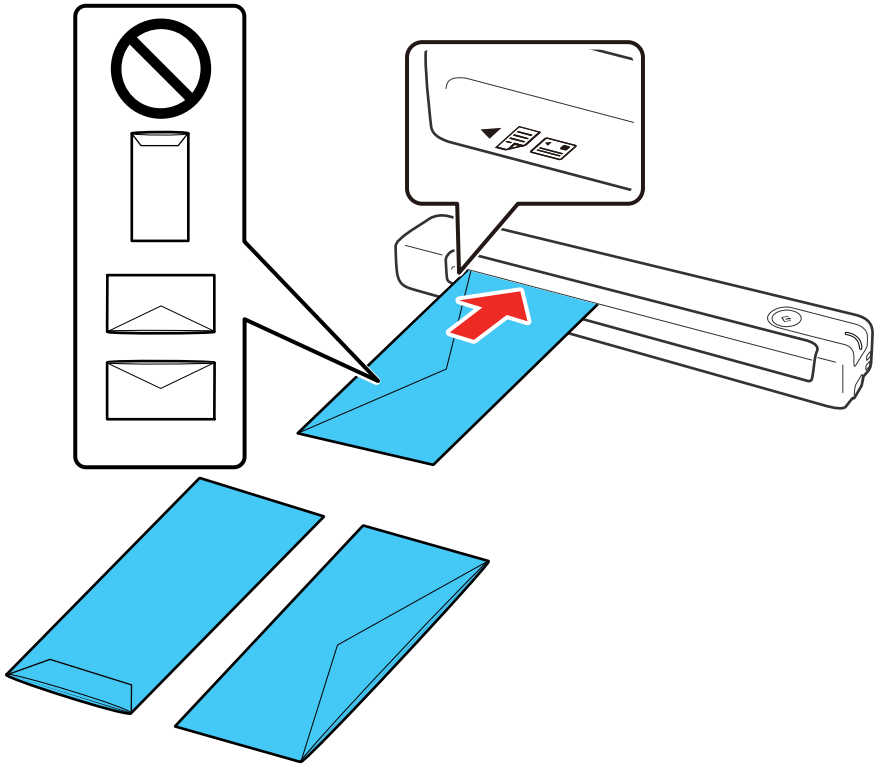
- For longer originals, slide your original into the input slot against the left side as shown until it meets resistance. Make sure the printed side is faceup and top edge first. Set the paper size in the scanning program and support the original as it enters into and ejects from the scanner.



- For receipts, support the original by hand and load it into the input slot against the left side as shown until it meets resistance. Make sure the printed side is faceup and top edge first.

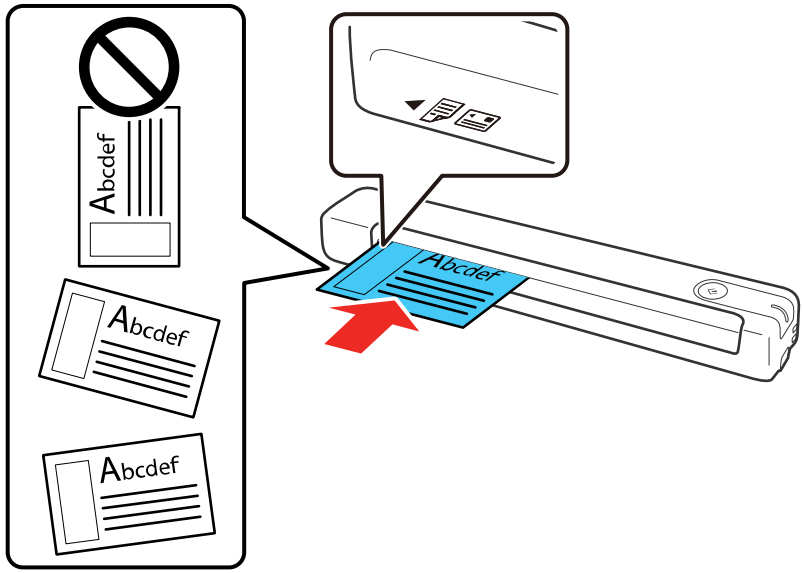


- For envelopes, slide the original into the input slot against the left side as shown until it meets resistance. Make sure the printed side is faceup and the flap is facing as shown. For envelopes with the flap on the shorter side, load the envelope with the flap side last.



Caution: Do not load envelopes with adhesives on them.

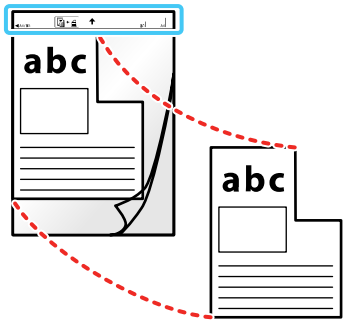
- For plastic cards, load the card horizontally into the input slot against the left side as shown until it meets resistance. Make sure the printed side is faceup.

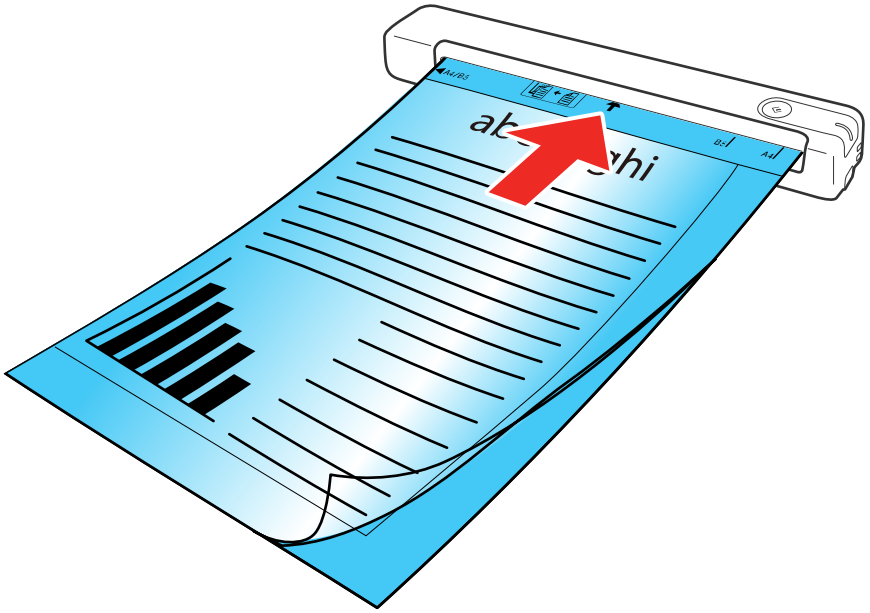


Caution: Do not load plastic cards vertically or at an angle.

- For irregularly shaped originals, use an optional carrier sheet (part number B12B819451). Make sure the illustration on the front edge of the carrier sheet is faceup with the original faceup against the left

side. Slide the carrier sheet top edge first into the input slot against the left side as shown until it meets resistance.





Note: Only use the carrier sheet designed for your scanner. If the carrier sheet is scratched or has been scanned more than 3,000 times, stop using it and obtain a new one.

Parent topic: Loading Originals

Related references

Original Document Specifications
Receipt Specifications
Special Original Specifications
Plastic Card Specifications
User Replaceable Epson Scanner Accessories

Original Document Specifications

You can load original documents that meet these specifications in your scanner.

Note: To scan delicate originals or originals that are easily wrinkled, use an optional carrier sheet (part number B12B819451).

Paper type	Paper size	Paper weight
Plain paper Fine paper Recycled paper	Letter (8.5 × 11 inches [216 × 279 mm])	9 to 72 lb (35 to 270 g/m²)
	Legal (8.5 × 14 inches [216 × 356 mm])	
	A4 (8.3 × 11.7 inches [210 × 297 mm])	
	A5 (5.8 × 8.2 inches [148 × 210 mm])	
	B5 (7.2 × 10.1 inches [182 × 257 mm])	
	B6 (5 × 7.2 inches [128 × 182 mm])	
	A6 (4.1 × 5.8 inches [105 × 148 mm]) A7 (2.9 × 4.1 inches [74 × 105 mm]) A8 (2.1 × 2.9 inches [52 × 74 mm])	12 to 72 lb (46 to 270 g/m²)
Long paper	Width: 2.0 to 8.5 inches (50.8 to 216 mm) Height: 2.0 to 72 inches (50.8 to 1828.8 mm)	9 to 72 lb (35 to 270 g/m²)
Postcards	3.9 × 5.8 inches (100 × 148 mm)	9 to 72 lb (35 to 270 g/m²)
Paper business cards	2.1 × 3.4 inches (55 × 89 mm)	12 to 72 lb (46 to 270 g/m²)

Caution: Do not load the following types of originals in the scanner, or they may be damaged or may damage the scanner:

- Originals with an uneven surface such as letterhead paper
- Originals with crinkles or fold lines
- Curled originals
- Coated paper
- Originals with punch holes
- Originals with folded corners
- Photos or photo paper*
- Originals with labels or stickers*
- Originals with staples or paper clips
- Originals with sticky notes attached*
- Ripped originals*
- Originals with carbon paper backing*
- Perforated originals*
- Booklets
- Non-paper originals such as clear files, fabric, and metal foil
- Originals with glue attached
- Heavily wrinkled or curled originals
- Transparent originals such as overhead projector film
- Originals with wet ink

*You can only scan these originals by using the carrier sheet.

Parent topic: Loading Originals

Receipt Specifications

You can load 1 receipt at a time that meets these specifications in your scanner.

Paper type	Paper size	Paper thickness
Receipts (plain paper, fine paper, or recycled paper)	3 × 3 inches (76.2 × 76.2 mm) to 3 × 14 inches (76.2 × 355.6 mm)	12 to 72 lb (46 to 270 g/m²)

Note: Scan receipts one at a time using automatic feeding mode. Support a long original receipt by hand as it enters and exits the scanner.

Parent topic: Loading Originals

Special Original Specifications

You can load 1 envelope or irregularly shaped original that meets these specifications in your scanner.

Paper type	Paper size	Paper thickness
Envelopes	4.72 × 9.25 inches (120 × 235 mm) 3.62 × 6.50 inches (92 × 165 mm)	0.015 inch (0.38 mm) or less
Irregularly shaped original (in carrier sheet)	Up to A4 (8.3 × 11.7 inches [210 × 297 mm])	0.012 inch (0.3 mm) or less (excluding the thickness of the carrier sheet)

Parent topic: Loading Originals

Plastic Card Specifications

You can load 1 plastic card that meets these specifications in your scanner.

Card type	Card size	Card thickness
With embossing	ISO7810 ID-1 compliant: 2.1 × 3.3 inches (54 × 85.6 mm)	0.05 inch (1.24 mm) or less
Without embossing		0.04 inch (1.0 mm) or less

Note: ISO7810 ID-1 size laminated cards (thickness of 0.02 inch [0.6 mm] or less) may not be scanned successfully.

Parent topic: Loading Originals

Wi-Fi Networking

See these sections to use your scanner over a Wi-Fi network (DS-80W).

Network Security Recommendations
Connecting to an Existing Wi-Fi Network
Direct Wi-Fi Mode Setup
Epson DocumentScan App for iOS/Android

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.

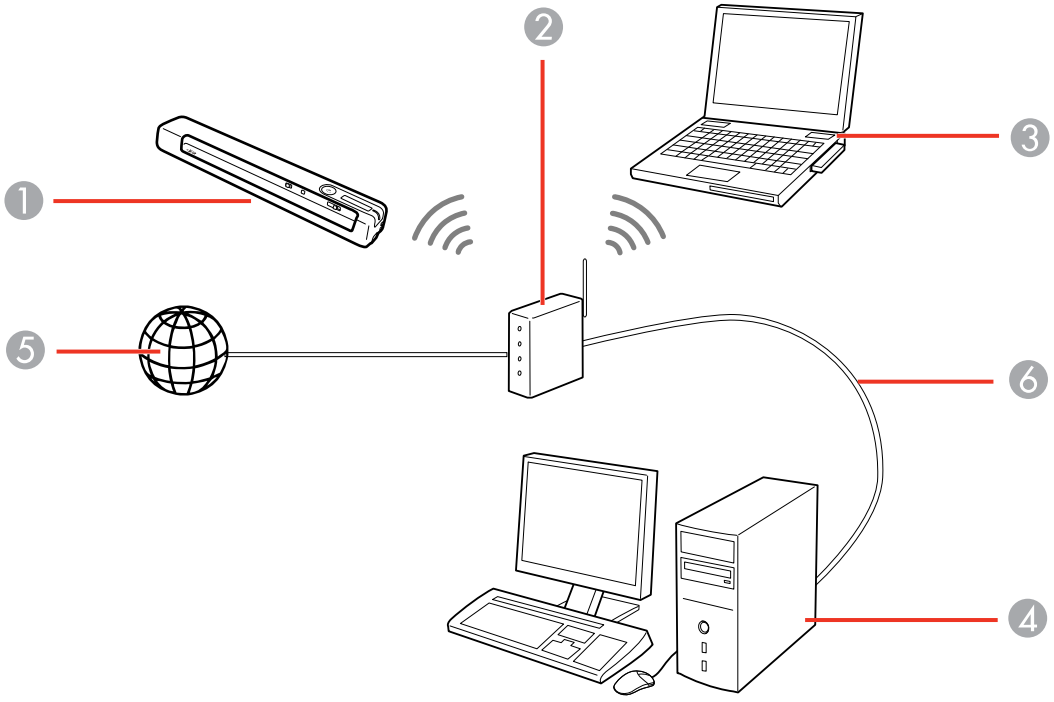
- **Change the default administrator password on your product**

  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

Connecting to an Existing Wi-Fi Network

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



1 Epson scanner
2 Wireless router
3 Computer with a wireless interface
4 Computer
5 Internet
6 Ethernet cable (used only for wired connection from the computer to the wireless router)

Manually Connecting to a Wi-Fi Network
Wi-Fi Protected Setup (WPS)

Parent topic: Wi-Fi Networking

Manually Connecting to a Wi-Fi Network

You can use your product's software installer to connect the scanner to a Wi-Fi network.

Note: You must have a computer with a wireless adapter to set up the connection.

1. See the *Start Here* sheet for instructions on downloading and installing your scanner's software.

   Note: The scanner powers off after 1 minute of inactivity. If the scanner turns off during the procedure, you may need to repeat some of the steps.

2. Select the wireless connection method for the scanner when prompted.

   The scanner is added to the network and connected to the computer for network scanning.

Parent topic: Connecting to an Existing Wi-Fi Network

Wi-Fi Protected Setup (WPS)

If your network uses a WPS-enabled wireless router, you can quickly connect your scanner 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. If there is no hardware button, there may be a WPS setting in the software for the device. Check your network product documentation for details.

Using WPS to Connect to a Network
Using WPS PIN Mode to Connect to a Network

Parent topic: Connecting to an Existing Wi-Fi Network

Using WPS to Connect to a Network

If you have a WPS-enabled wireless router, you can use Wi-Fi Protected Setup (WPS) to connect your scanner to the network.

1. Follow the instructions on the *Start Here* sheet to install the scanner software on your computer.
2. Make sure the scanner is turned on.
3. Set the Wi-Fi switch to the Wi-Fi position.

4. Enable WPS on your router by pressing the **WPS** button or enabling the WPS setting in your router firmware.

   The router enters WPS discovery mode for 2 minutes.

5. Press and hold the Wi-Fi connect button on the scanner until the ready, Wi-Fi, and Wi-Fi AP lights flash alternately.

   Note: If you do not complete this step within 2 minutes, repeat these steps to try again.

   When the ready, Wi-Fi, and Wi-Fi AP lights on the scanner stay on, the scanner is connected to the network.

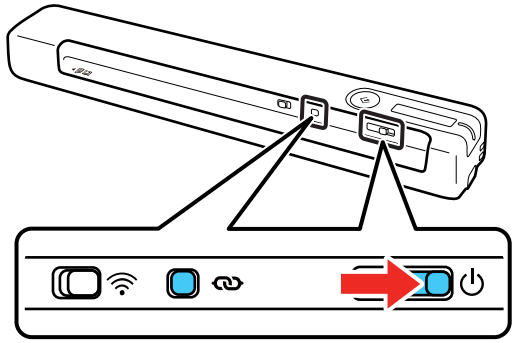
   Note: If the ready light stays on, but the Wi-Fi and Wi-Fi AP lights flash simultaneously, connection has failed. Restart the scanner and router, move them closer together, and repeat these steps to try again.

Parent topic: Wi-Fi Protected Setup (WPS)

Using WPS PIN Mode to Connect to a Network

If you have a WPS-enabled wireless router that supports PIN mode, you can use Wi-Fi Protected Setup (WPS) PIN mode to connect your scanner to the network.

1. Follow the instructions on the *Start Here* sheet to install the scanner software on your computer.
2. Find the WPS PIN number setting in your router's firmware.
3. Make sure the scanner is turned off and set the Wi-Fi switch to the Wi-Fi position.
4. Press and hold the Wi-Fi connect button and slide and hold the power switch for about ten seconds until the ready, Wi-Fi and Wi-Fi AP lights flash alternately.



The scanner enters WPS discovery mode for two minutes.

5. Use your computer to enter the PIN code **01234565** into the WPS PIN number setting in the router firmware within two minutes.

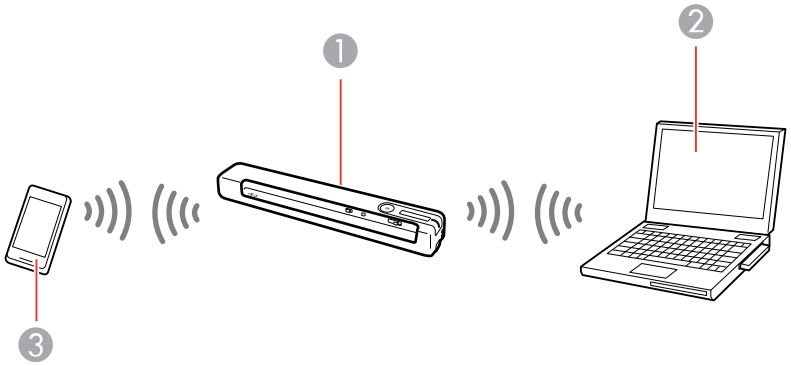
   Note: If you do not enter the code within 2 minutes, repeat the steps to try again.

   Connection setup starts when the ready light flashes, and the Wi-Fi and Wi-Fi AP lights flash alternately. When the ready, Wi-Fi, and Wi-Fi AP lights on the scanner stay on, the scanner is connected to the network.

Parent topic: Wi-Fi Protected Setup (WPS)

Direct Wi-Fi Mode Setup

You can set up your scanner to communicate directly with your computer or another device without requiring a wireless router. If your product is not already connected to a wireless network, it enters access point mode and the scanner itself acts as the network access point.



1 Epson scanner

2 Computer with a wireless interface

3 Other wireless device

Enabling a Direct Wi-Fi Connection
Disabling Wi-Fi
Restoring Default Network Settings

Parent topic: Wi-Fi Networking

Enabling a Direct Wi-Fi Connection

You can enable a direct Wi-Fi connection to allow direct communication between your scanner and computer or other devices without a wireless router.

Note: While you are connected to the scanner, your computer cannot access the internet.

1. Set the Wi-Fi switch on the scanner to the Wi-Fi position.
2. Turn on the scanner.
3. From your computer or device, search for and select the SSID shown on the label on the bottom of the scanner.

   Note: It may take a few minutes for the scanner SSID to appear in the list.

4. Enter the password shown on the label on the bottom of the scanner.

   The computer connects to the scanner's wireless network. If the connection is unsuccessful, make sure you entered the password correctly.

Parent topic: Direct Wi-Fi Mode Setup

Disabling Wi-Fi

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

Note: Before disabling Wi-Fi, make a note of any network settings selected for Epson DocumentScan.

Set the Wi-Fi switch on the scanner to the off position.

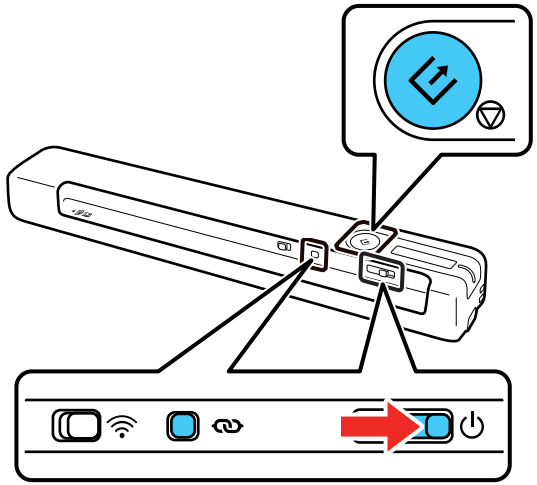
Parent topic: Direct Wi-Fi Mode Setup

Restoring Default Network Settings

If you need to solve a problem with your network connection, you can restore all network settings to their defaults.

1. Make sure the scanner is turned off.
2. Set the Wi-Fi switch on the scanner to the Wi-Fi position.

3. Press and hold the Wi-Fi connect and start buttons and slide and hold the power switch for about ten seconds to turn on the scanner.



The Wi-Fi and Wi-Fi AP lights flash alternately and the ready light flashes. The default network settings are restored when the lights stop flashing.

Parent topic: Direct Wi-Fi Mode Setup

Epson DocumentScan App for iOS/Android

You can use the Epson DocumentScan app to scan from a network scanner to an iOS or Android device over a direct Wi-Fi connection (DS-80W).

For more information about Epson DocumentScan, search for the app on the App Store (iOS) or Google Play (Android).

Parent topic: Wi-Fi Networking

Scanning

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

Starting a Scan
Scanning with Document Capture Pro in Standard View - Windows
Scanning with Document Capture Pro in Simple View - Windows
Scanning with Document Capture - Mac
Scanning in Epson Scan 2
Scan Resolution Guidelines
Scanning Special Projects

Starting a Scan

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

Starting a Scan from a Scanner Button
Starting a Scan Using the Epson Scan 2 Icon
Starting a Scan from a Scanning Program

Parent topic: Scanning

Starting a Scan from a Scanner Button

You can scan using the start button on your scanner. This automatically starts Document Capture Pro (Windows) and Document Capture (Mac) and the scan job you have assigned to the button.

Note: You cannot scan using the start button on your scanner over a wireless connection. Connect the scanner to the computer with the USB cable before scanning from the start button (DS-80W).

1. Make sure the scanner is connected to the computer with the USB cable.
2. Load an original in your scanner.
3. Press the start button.

   The scanner starts the job that was assigned to the start button in Document Capture Pro (Windows) or Document Capture (Mac).

   Note: You can view or change the scan settings using Document Capture Pro (Windows) or Document Capture (Mac).

Adding and Assigning Scan Jobs with Document Capture Pro - Windows
Assigning Start Button Settings or Scan Jobs - Mac

Parent topic: Starting a Scan

Adding and Assigning Scan Jobs with Document Capture Pro - Windows

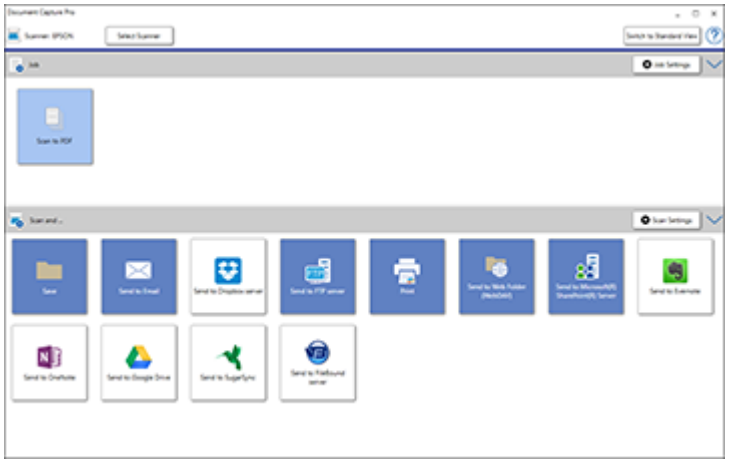
You can view, change, or add available default scan settings when you scan using the start button on your product. You do this by accessing the scan jobs in the Document Capture Pro program.

Note: The settings may vary, depending on the software version you are using. See the help information in Document Capture Pro for details.

1. Do one of the following to start Document Capture Pro:
   - **Windows 10**: Click and select **Epson Software** > **Document Capture Pro**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Document Capture Pro**.
   - **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **Epson Software** > **Document Capture Pro**.

   You see the Document Capture Pro window.
2. If you see a **Switch to Simple View** button in the upper right corner of the window, click it.

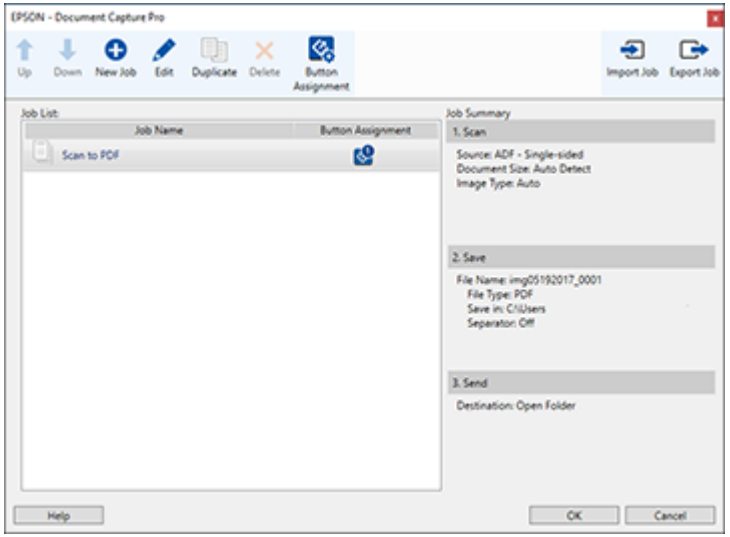
   You see a window like this:



3. Click the **Job Settings** button.

   Note: If you do not see the button, click the **<** symbol in the **Job** bar.

   You see a window like this:



4. To add a scan job, click the **New Job** icon, enter a name for the new job, select settings as necessary, and click **OK**.

   You can now use the new scan job when you scan with Document Capture Pro.

   Note: See the Help information in Document Capture Pro for details.

5. To assign a scan job to the start button, click the **Button Assignment** icon.
6. Select the job that you want to assign to the start button from the drop-down list.
7. Click **OK**, then click **OK** again.

   You can now use the assigned scan job when you scan with the start button on your product.

Parent topic: Starting a Scan from a Scanner Button

Assigning Start Button Settings or Scan Jobs - Mac

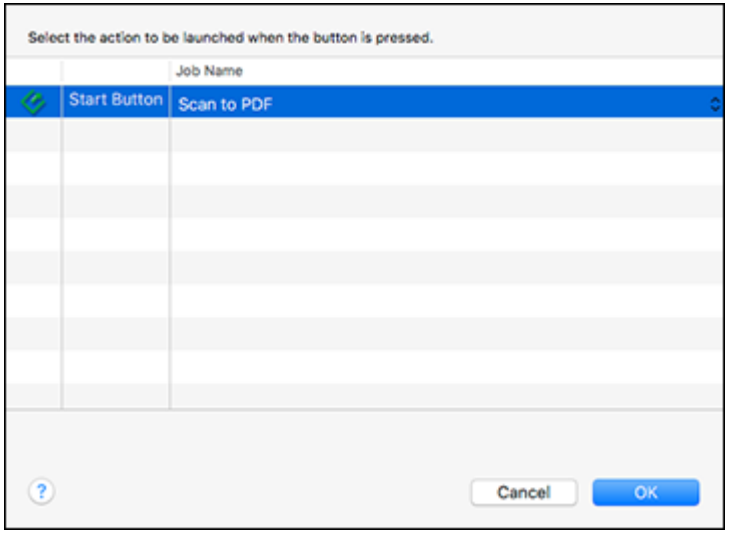
You can view or change the default scan settings when you scan using the start button on your scanner. You do this by accessing the scan jobs in the Document Capture program.

1. Start Document Capture on a computer connected to the product.
2. Click the Manage Job icon from the toolbar at the top of the window.

   You see a window showing the current scan job list.
3. If you want to add a scan job, click **Add** or the **+** icon, enter a name for the new job, select settings as necessary, and click **OK**.

   You can now use the new scan job when you scan with Document Capture.

   Note: See the Help information in Document Capture for details.
4. If you want to assign a scan job to the start button, click the icon at the bottom of the window and click **Event Settings**.
5. Select the job that you want to assign to the start button.



6. Click **OK**.

Parent topic: Starting a Scan from a Scanner Button

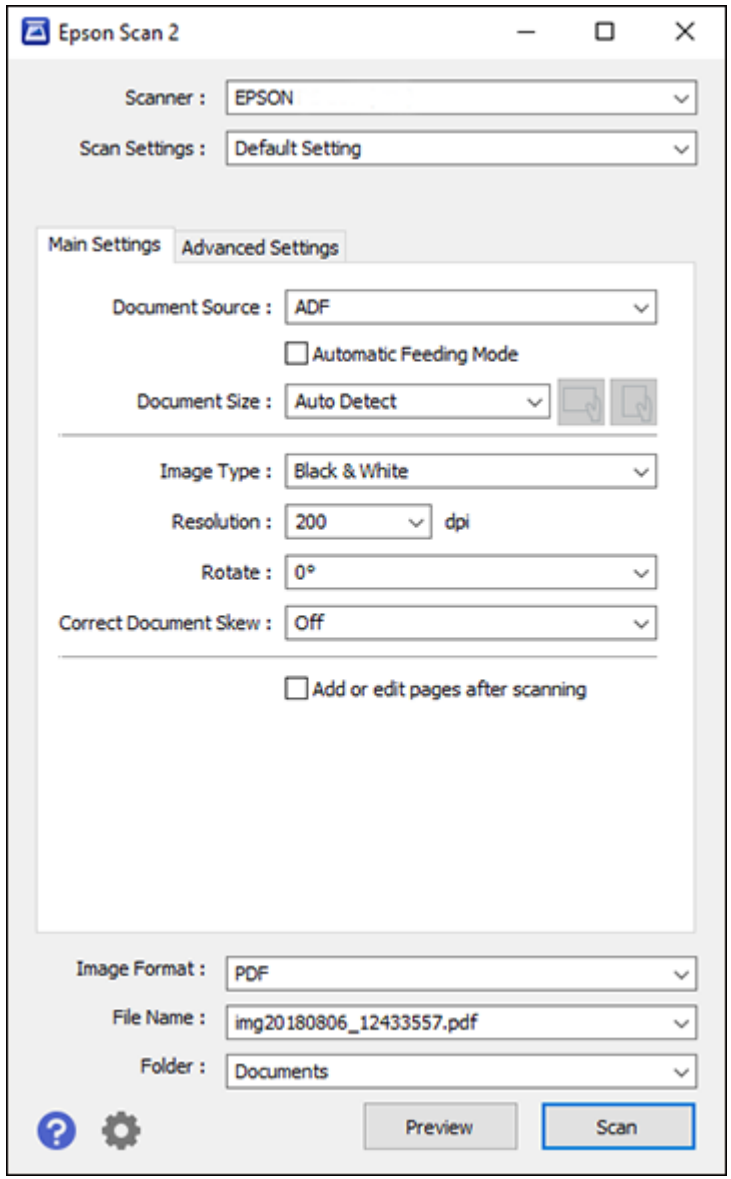
Starting a Scan Using the Epson Scan 2 Icon

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

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

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

You see an Epson Scan 2 window like this:



Parent topic: Starting a Scan

Starting a Scan from a Scanning Program

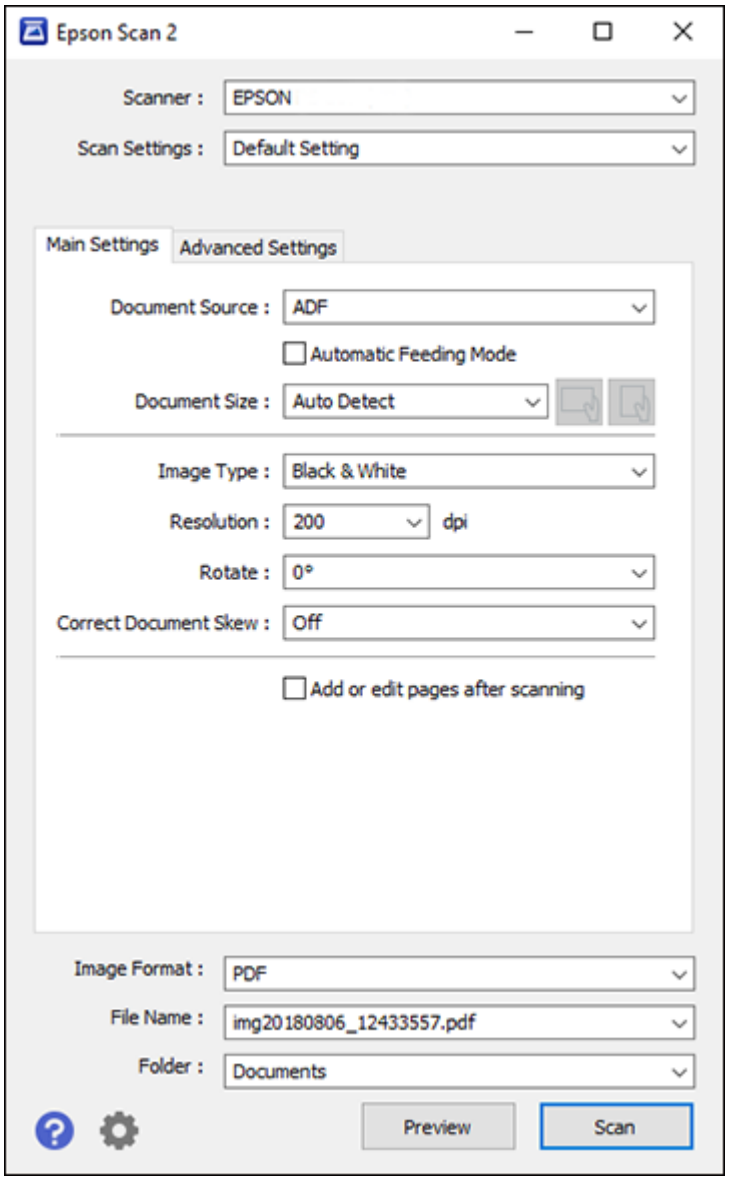
You can start Epson Scan 2 from a TWAIN-compliant scanning program to select scan settings, scan, and open the scanned image in the program.

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

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

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

You see an Epson Scan 2 window like this:



Parent topic: Starting a Scan

Scanning with Document Capture Pro in Standard View - Windows

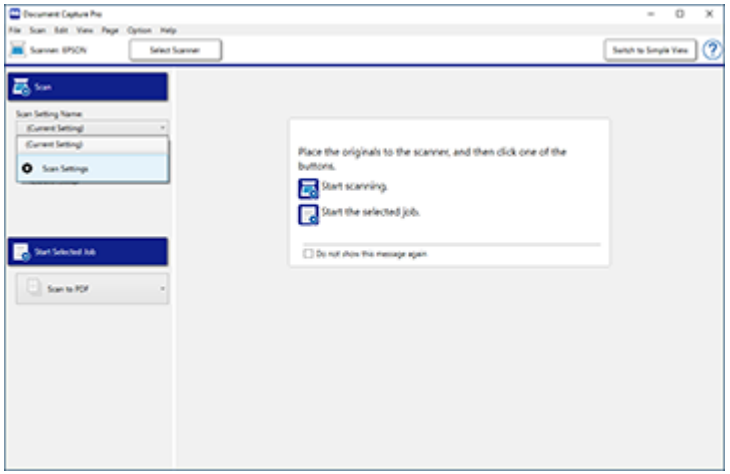
You can use Document Capture Pro in Standard View to select settings, preview, and change the scanned file settings as necessary.

Note: The settings may vary, depending on the software version you are using. See the help information in Document Capture Pro for details.

1. Load your original in the product.
2. Do one of the following to start Document Capture Pro:
   - **Windows 10**: Click and select **Epson Software** > **Document Capture Pro**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Document Capture Pro**.
   - **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **Epson Software** > **Document Capture Pro**.

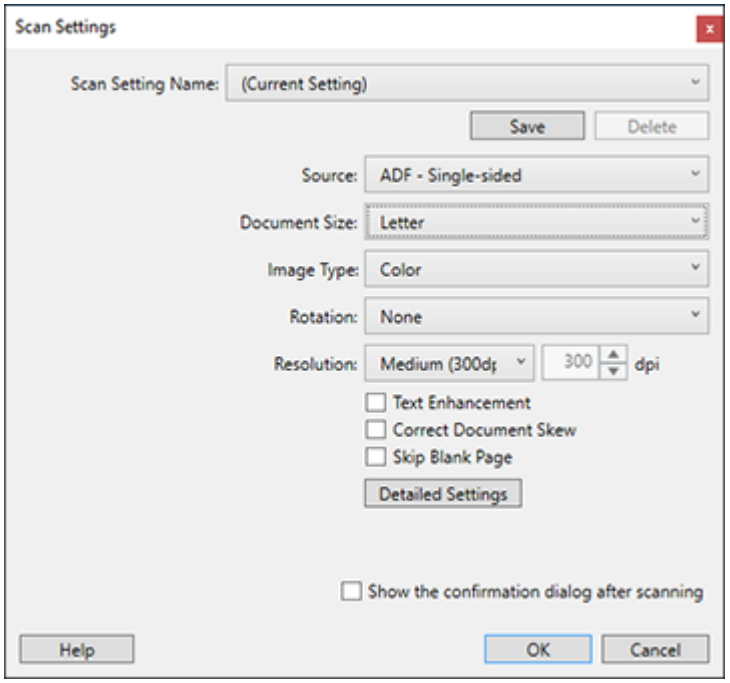
   You see the Document Capture Pro window. (You may see a screen asking you to select your scanner first; if you do, select your product.)
3. If you see a **Switch to Standard View** button in the upper right corner of the window, click it.

   You see a window like this:



4. Select **Scan Settings** from the Scan Setting Name list (or select **Scan** > **Scan Settings** from the menu bar).

   You see a window like this:

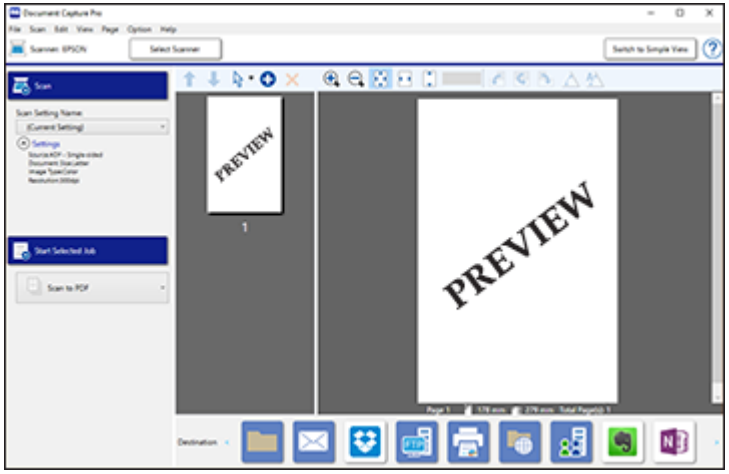


5. Select any displayed settings you want to use and click **OK**.

   Note: See the help information in Document Capture Pro for details.

6. Click **Scan**.

You see a preview of your scan in the Document Capture Pro window.



Note: You may have to close the Epson Scan 2 window to view your scan in the Document Capture Pro window.

7. If you would like to scan additional originals and add them to the current captured images, click the Add Page(s) icon and follow the instructions on the screen.
8. Check the scanned images and edit them as necessary.

   Note: See the help information in Document Capture Pro for details.

9. Click one of the Destination icons to choose where to send your scanned files. (If you cannot see all of the icons below, click the arrows next to the icons.)

10. Depending on the destination you chose, click **OK** or **Send** to complete the scan.

Parent topic: Scanning

Scanning with Document Capture Pro in Simple View - Windows

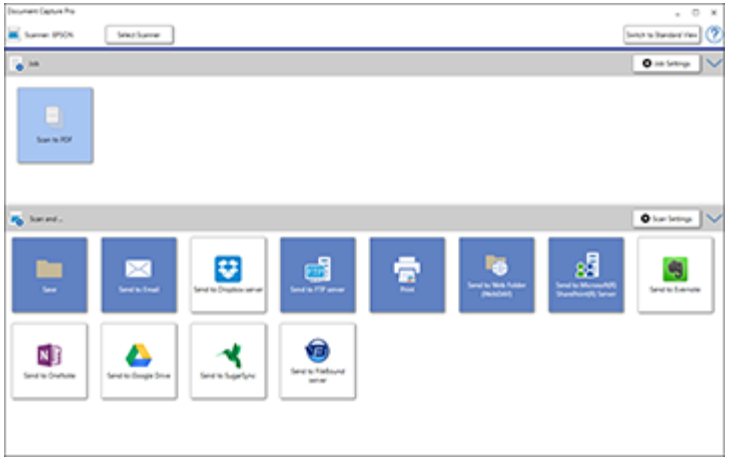
You can use Document Capture Pro in Simple View to quickly select options and scan.

Note: The settings may vary, depending on the software version you are using. See the help information in Document Capture Pro for details.

1. Load your original in the product.
2. Do one of the following to start Document Capture Pro:
   - **Windows 10**: Click and select **Epson Software** > **Document Capture Pro**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Document Capture Pro**.
   - **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **Epson Software** > **Document Capture Pro**.

   You see the Document Capture Pro window. (You may see a screen asking you to select your scanner first; if you do, select your product.)
3. If you see a **Switch to Simple View** button in the upper right corner of the window, click it.

   You see a window like this:



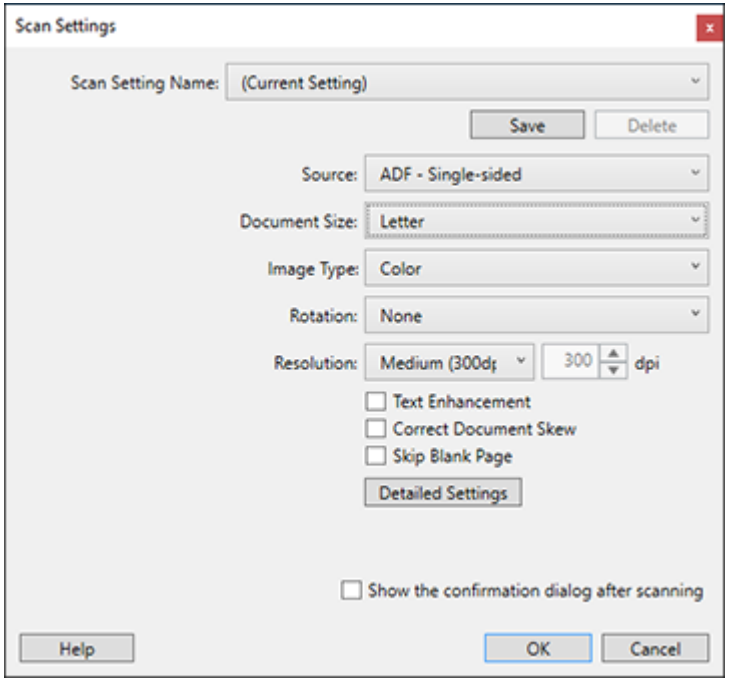
4. Click **Select Scanner** and select your scanner from the scanner list, if necessary.

5. If you want to use a scan job, click one of the job icons in the **Job** section of the window to complete and send your scan with one click.

   Note: If you do not see any icons, click the **<** symbol in the **Job** bar.

6. If you want to select scan settings for a particular destination, click the **Scan Settings** button, select any displayed settings you want to use, and click **OK**.

   Note: See the help information in Document Capture Pro for details. If you do not see the **Scan Settings** button, click the **<** symbol in the **Scan and...** bar.



7. Click one of the destination icons in the **Scan and...** section of the window. Your product starts scanning and you see the settings window.
8. Select any destination settings as necessary and click **OK**.

   Note: See the help information in Document Capture Pro for details.

9. Confirm your settings and click **OK** or **Close**.

Parent topic: Scanning

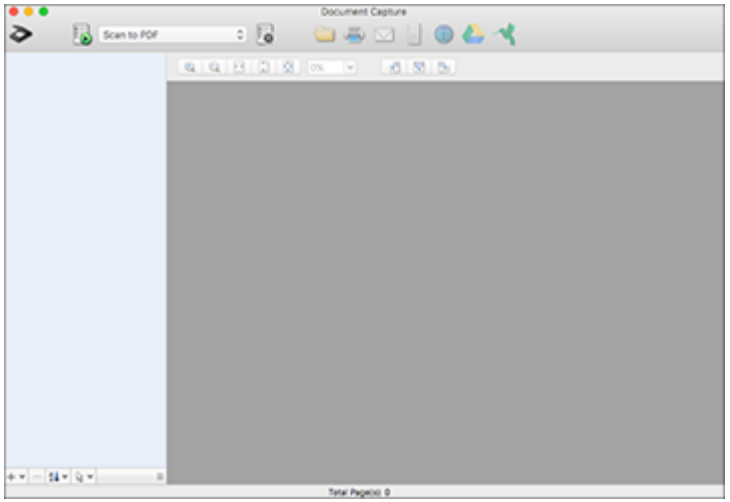
Scanning with Document Capture - Mac

When you scan with Document Capture, the program automatically saves your scanned file on your computer in the folder you specify. You can select settings, preview, and change the scanned file settings as necessary.

Note: The settings may vary, depending on the software version you are using. See the Help information in Document Capture for details.

1. Load your original in the product.
2. Open the **Applications** folder, open the **Epson Software** folder, and select **Document Capture**.

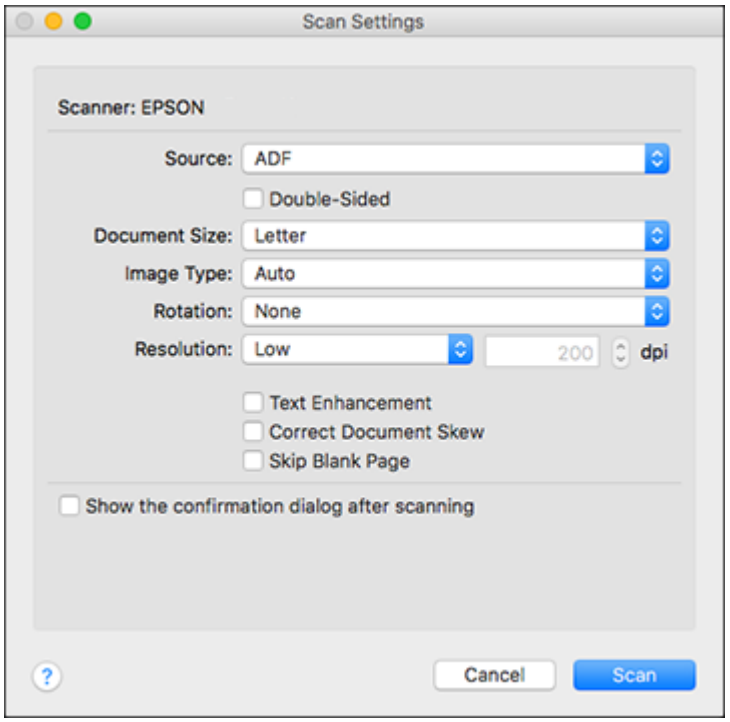
   You see a window like this:



   Note: You may need to select your scanner from the scanner list.

3. Click the **Scan** icon.

You see a window like this:



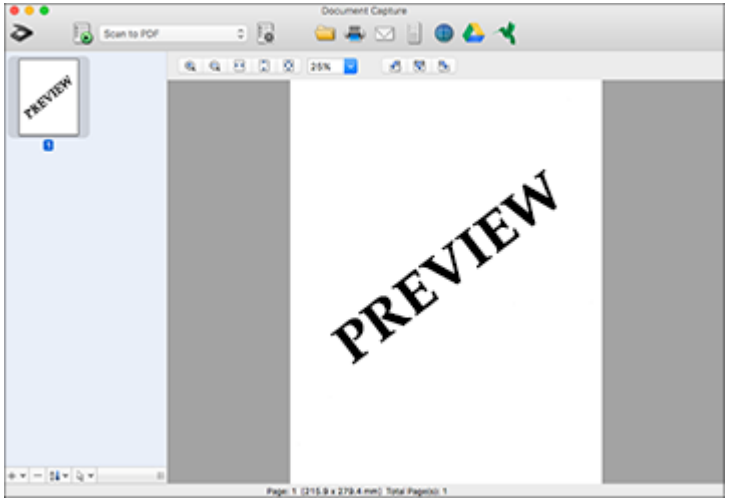
Note: If you want to use a scan job that you created instead, select it from the Job list in the Document Capture window, click the Start Job button, and skip the rest of these steps.

4. Select any displayed scan settings you want to use.

   Note: See the Help information in Document Capture for details.

5. If you want to select detailed scan settings, close the Scan Settings window, open the **Scan** menu at the top of the Mac desktop, and select **Displays the EPSON Scan Setup Screen**.
6. Click the Scan icon and select any detailed scan settings you want to use from the Epson Scan 2 window.
7. Click **Scan**.

You see a preview of your scan in the Document Capture window.



Note: You may have to close the Epson Scan 2 window to view your scan in the Document Capture window.

8. If you would like to scan additional originals and add them to the current captured images, click the + icon, select **Acquire from Scanner**, and repeat the previous steps.
9. Check the scanned images and edit them as necessary.
10. Click one of the Destination icons to choose where to send your scanned files. (If you cannot see all of the icons below, click the arrow next to the icons.)

11. Depending on the destination you chose, click **OK** or **Send** to complete the operation.

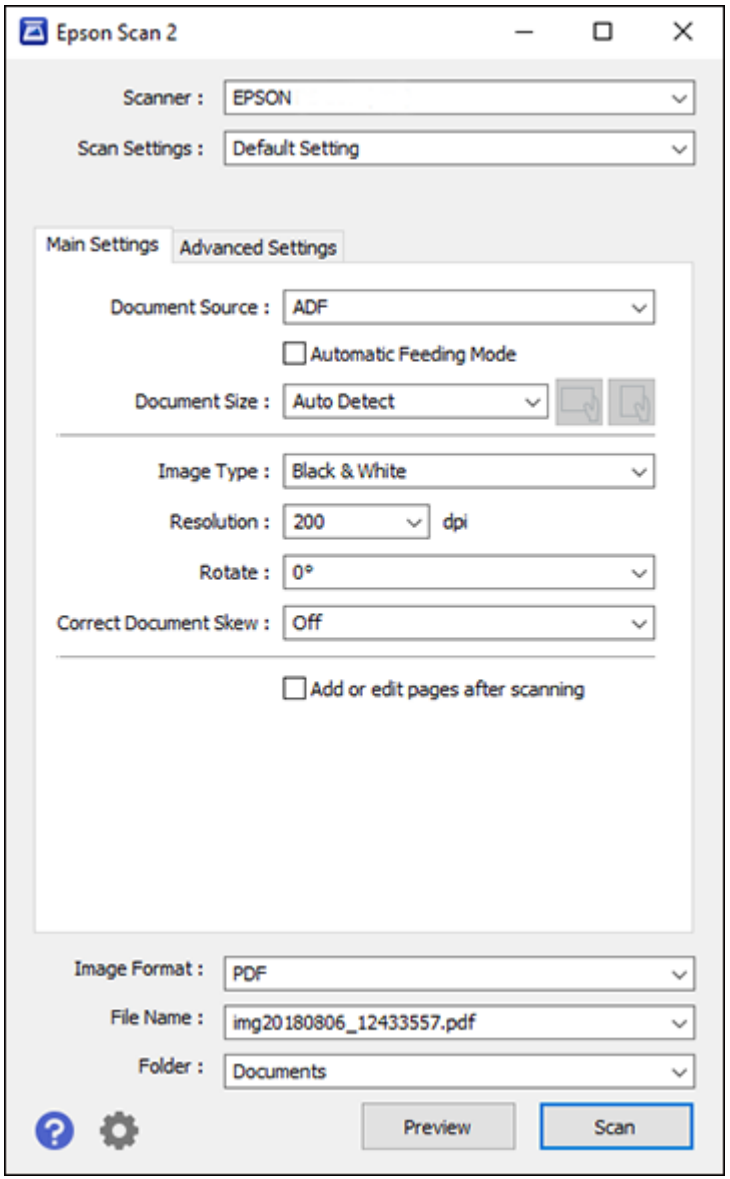
Parent topic: Scanning

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.

1. Load your original in the product.
2. Start Epson Scan 2.

You see this window:



Note: The **Document Source** setting is automatically set to **ADF** for your product.

3. If you want to scan different size originals by loading them into the input slot one by one, check the **Automatic Feeding Mode** checkbox and click **Scan**. Scanning begins as soon as you load each original.
4. Select the **Document Size** setting that matches the size of your original, or select **Auto Detect** to have Epson Scan 2 automatically detect the size. You can select **Customize** to enter a custom size, if necessary.
5. Select your original image type and how you want it scanned as the **Image Type** setting.
6. Select the **Resolution** setting you want to use for your scan.
7. Select any of the additional settings that you want to use on the **Main Settings** tab.
8. Click the **Advanced Settings** tab and select any settings that you want to use.
9. To see a preview of your scan with the settings you selected, click the **Preview** button.

   Epson Scan 2 previews your original and displays the results in the Epson Scan 2 window.
10. Select the format in which you want to save your scanned file as the **Image Format** setting. If necessary, select **Options** and select any desired format options.
11. Enter the file name for your scanned file in the **File Name** field. Select **Settings** to modify the file name settings.
12. Select the location in which you want to save your scanned file as the **Folder** setting. If necessary, select **Select** to create a new folder.
13. Click **Scan**.

    The product scans your original and saves the scanned file in the location you specified.
14. If you selected the **Automatic Feeding Mode** setting, place your next original in the input slot for scanning. When you finish scanning originals, click **Finish**.

Additional Scanning Settings - Main Settings Tab
Additional Scanning Settings - Advanced Settings Tab
Scanning Settings for Special Documents
Image Format Options

Parent topic: Scanning

Related tasks
Loading Originals in the Input Slot

Additional Scanning Settings - Main Settings Tab

You can select these additional scanning settings on the Epson Scan 2 Main Settings tab.

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

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

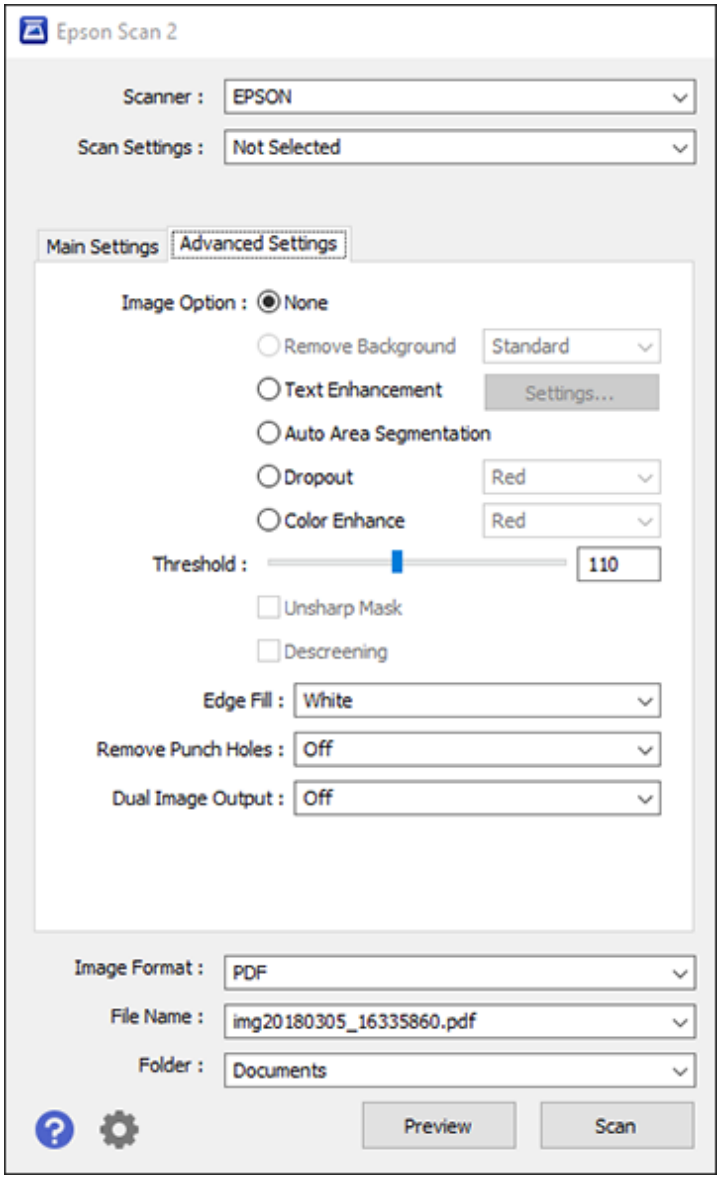
Add or edit pages after scanning
Lets you add, remove, or edit the pages in a scan, including rotating pages and changing the page order.

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

Parent topic: Scanning in Epson Scan 2

Additional Scanning Settings - Advanced Settings Tab

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



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.

Dropout
The scan will not pick up the color you select. This setting is available only if you select **Grayscale** or **Black & White** as the Image Type setting.

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.

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

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.

Remove Punch Holes
Removes the shadows caused by holes on the edges of the original.

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

Parent topic: Scanning in Epson Scan 2

Scanning Settings for Special Documents

You need to select specific options on the Main Settings tab in Epson Scan 2 when scanning special originals.

Type of original	Required settings
Envelopes	Select **Auto** as the **Rotate** setting.
Plastic cards	Select **Plastic Card** as the **Document Size** setting.
Large originals	If the Document Size list does not contain the document size you want to scan, select **Customize** to create a custom size.
Long paper	If the Document Size list does not contain the document size you want to scan, select **Auto Detect (Long Paper)** or select **Customize** to create a custom document size up to 72 inches (1828.8 mm).

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 in your scanning software, measured in dpi (dots per inch), controls the amount of detail captured in your scans. Increasing the resolution raises the amount of detailed 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 the software. 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 resolution setting in your scanning software. 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 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

- You will scan a long original.

  Scan paper up to 72 inches (1828.8 mm) in length with a maximum resolution of 300 dpi or less.

Parent topic: Scanning

Scanning Special Projects

Your product's scanning software offers various options to help you quickly complete special scan projects.

Scanning Multi-Page Originals as Separate Files - Windows
Saving Scanned Documents as a Searchable PDF Using Epson Scan 2
Saving Scanned Documents as a Searchable PDF with Document Capture - Mac
Saving a Scan as an Office Format File - Windows
Saving a Scan as an Office Format File - Mac
Scanning to a SharePoint Server or Cloud Service - Windows

Parent topic: Scanning

Scanning Multi-Page Originals as Separate Files - Windows

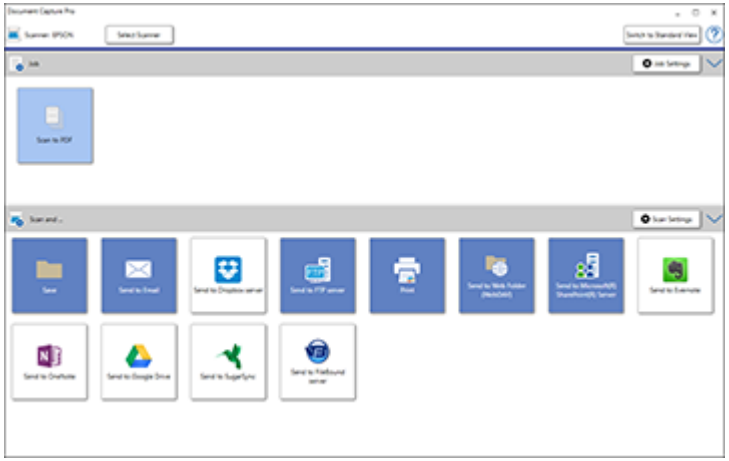
You can use Document Capture Pro (Windows) to scan multi-page originals as separate scanned files. You indicate how the separate files are created by defining a maximum page count per file or by inserting blank pages, barcodes, or characters that can be detected by the software as separation markers.

Note: The settings may vary, depending on the software version you are using. See the help information in Document Capture Pro for details.

1. Do one of the following to start Document Capture Pro:
   - **Windows 10**: Click and select **Epson Software** > **Document Capture Pro**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Document Capture Pro**.
   - **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **Epson Software** > **Document Capture Pro**.

   You see the Document Capture Pro window.
2. If you see a **Switch to Simple View** button in the upper right corner of the window, click it.

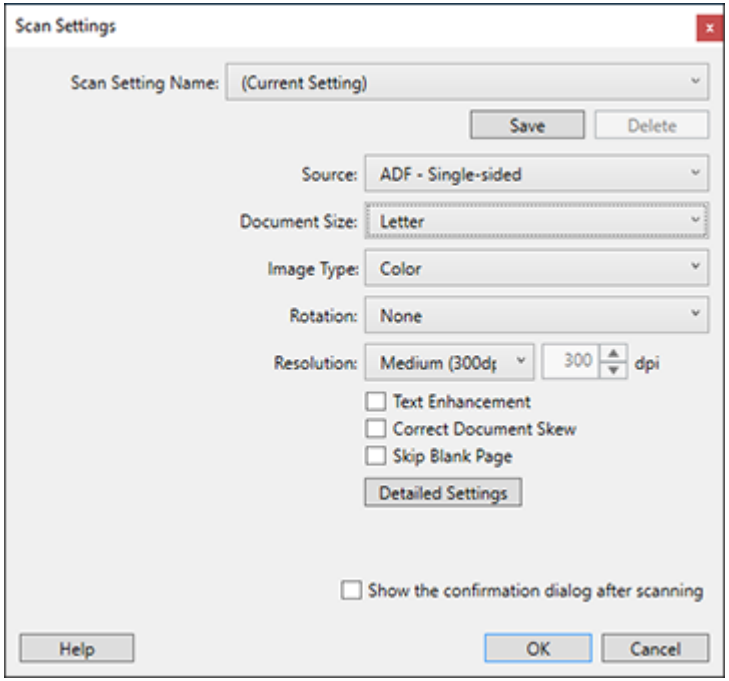
You see a window like this:



3. Click the **Scan Settings** button.

   Note: If you do not see any icons, click the **V** symbol next to the **Job Settings** button.

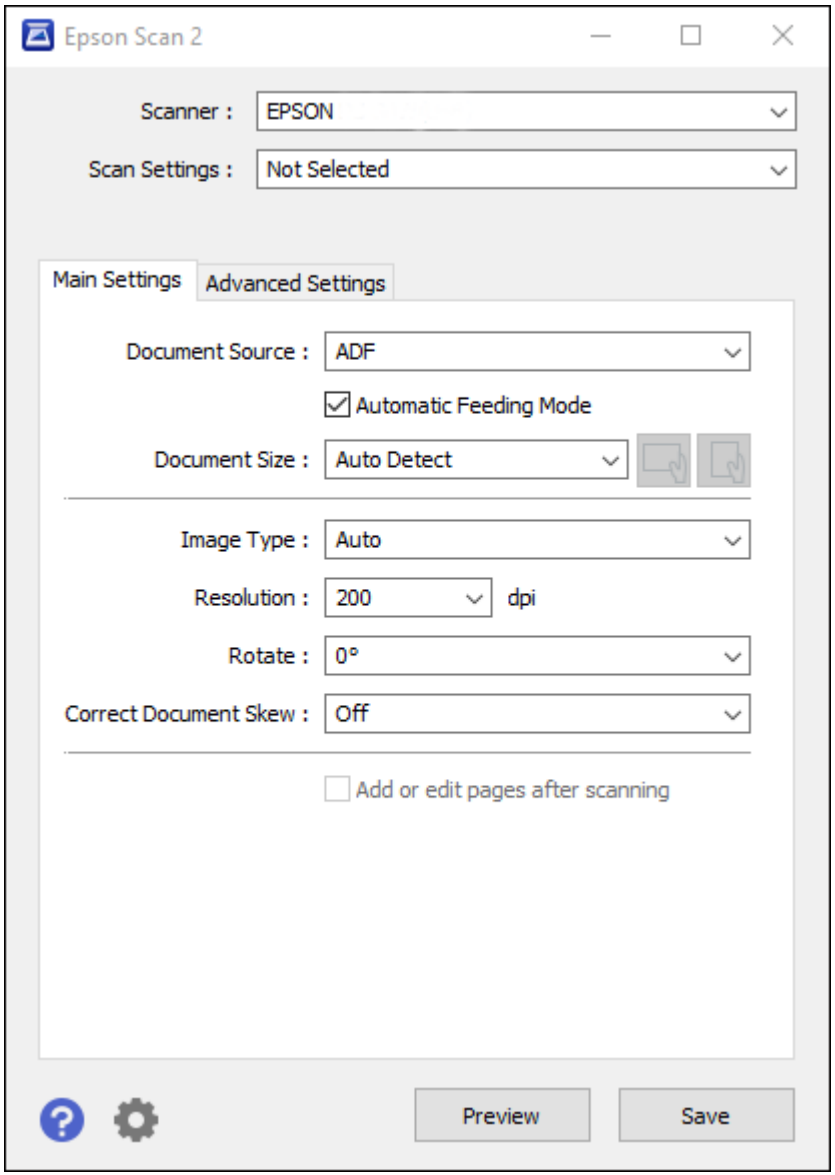
You see a window like this:



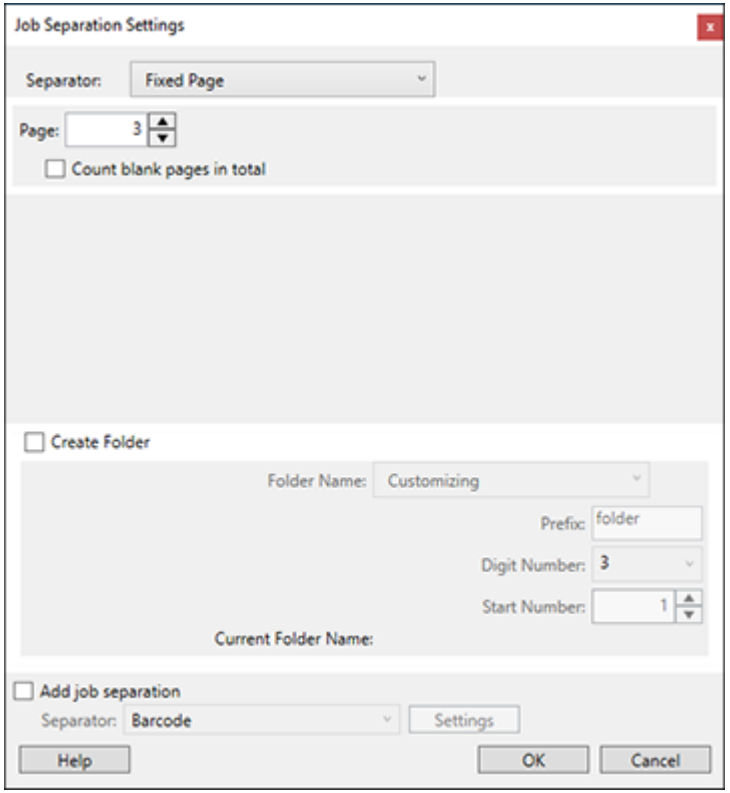
4. Select any displayed settings you want to use and then click **Detailed Settings**.

   Note: See the help information in Document Capture Pro for details.

You see a window like this:



5. Select the **Automatic Feeding Mode** checkbox and click **Save**.
6. Click **OK** in the **Scan Settings** window.
7. Click one of the destination icons (except **Print**) in the **Scan and...** section of the window.
8. Load your multi-page original, one page at a time, including any separator pages, in the product.
   Your product scans each page.
9. When you are finished scanning your originals, click **Finish**.
   You see the **Save Settings** window.
10. Select the **Apply job separation** checkbox.
11. Click **Separation Settings**.
    You see a window like this:



12. Select the method you used to separate the originals as the **Separator** setting.

    Note: See the help information in Document Capture Pro for details.

13. If necessary, select **Create Folder** and select a folder name.
14. Select any other folder naming settings you want and click **OK**, then click **OK** again.

    Your originals are saved into separate files and folders as specified.

15. Click **Close**.

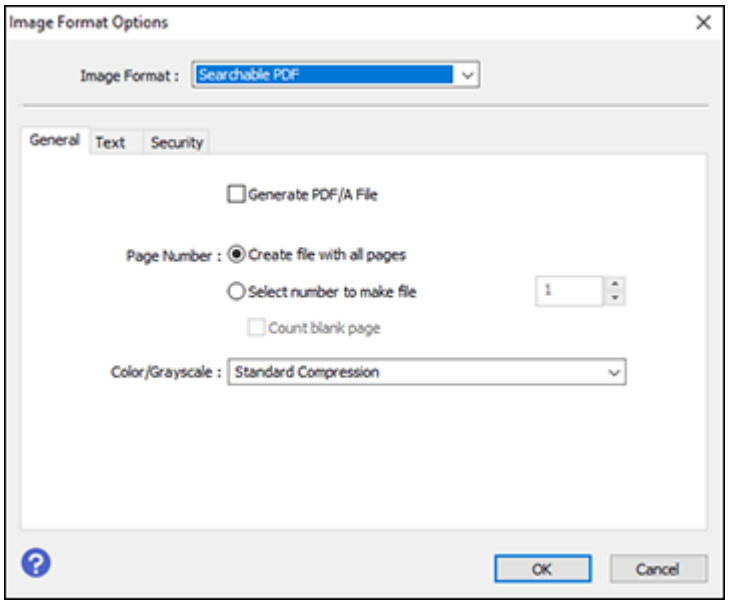
Parent topic: Scanning Special Projects

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. Click **OK**.
11. Confirm the **File Name** setting and select a **Folder** setting for your document.
12. Click **Scan**.

    The scanned image is saved as a searchable PDF.

Parent topic: Scanning Special Projects

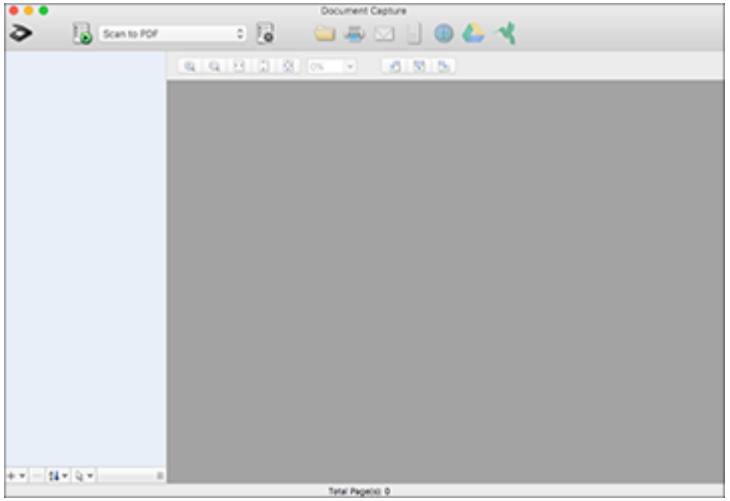
Saving Scanned Documents as a Searchable PDF with Document Capture - Mac

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

Note: The settings may vary, depending on the software version you are using. See the Help information in Document Capture for details.

1. Load your original in the product for scanning.
2. Open the **Applications** folder, open the **Epson Software** folder, and select **Document Capture**.

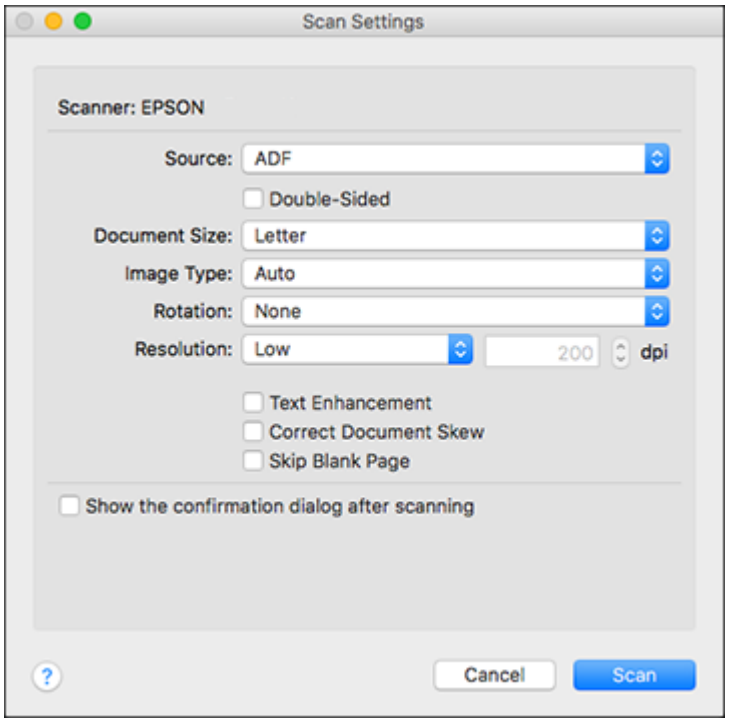
   You see a window like this:



   Note: You may need to select your scanner from the scanner list.

3. Click the **Scan** icon.

You see a window like this:



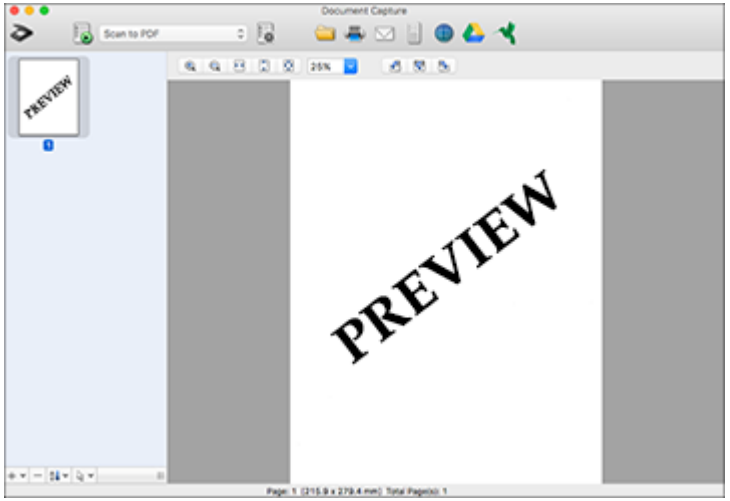
Note: If you want to use a scan job that you created instead, select it from the Job list in the Document Capture window, click the Start Job button, and skip the rest of these steps.

4. Select any displayed scan settings you want to use.

   Note: See the Help information in Document Capture for details.

5. If you want to select detailed scan settings, close the Scan Settings window, open the **Scan** menu at the top of the Mac desktop, and select **Displays the EPSON Scan Setup Screen**.
6. Click the Scan icon and select any detailed scan settings you want to use from the Epson Scan 2 window.
7. Click **Scan**.

You see a preview of your scan in the Document Capture window.



Note: You may have to close the Epson Scan 2 window to view your scan in the Document Capture window.

8. If you would like to scan additional originals and add them to the current captured images, click the + icon, select **Acquire from Scanner**, and repeat the previous steps.
9. Check the scanned images and edit them as necessary.
10. Open the **File** menu at the top of the Mac desktop and select **Save As**.
11. Select **PDF** as the **File Type** setting and click the **Options** button.
12. Select the **Create Searchable PDF** checkbox and click **OK**.
13. Click one of the Destination icons to choose where to send your scanned file. (If you cannot see all of the icons below, click the arrow next to the icons.)

14. Depending on the destination you chose, click **OK** or **Send** to complete the operation.

Parent topic: Scanning Special Projects

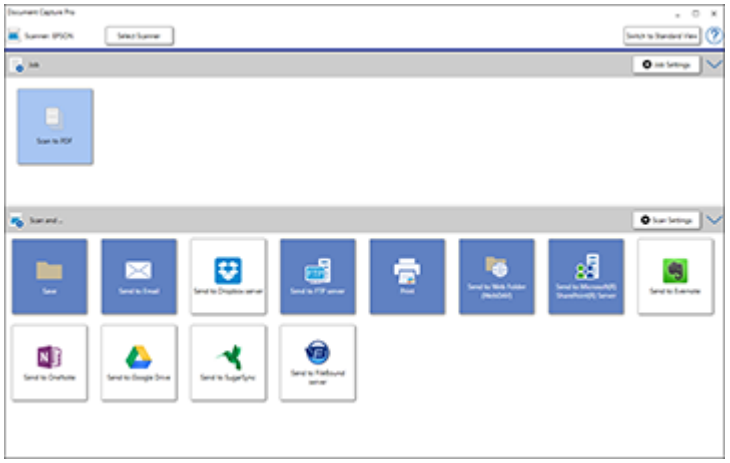
Saving a Scan as an Office Format File - Windows

You can use Document Capture Pro (Windows) to save your scans in one of the following Microsoft Office file formats: Microsoft Word (.docx), Microsoft Excel (.xlsx), or Microsoft PowerPoint (.pptx).

Note: The settings may vary, depending on the software version you are using. See the help information in Document Capture Pro for details.

1. Load your original in the product.
2. Do one of the following to start Document Capture Pro:
   - **Windows 10**: Click and select **Epson Software** > **Document Capture Pro**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Document Capture Pro**.
   - **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **Epson Software** > **Document Capture Pro**.
3. If you see a **Switch to Simple View** button in the upper right corner of the window, click it.

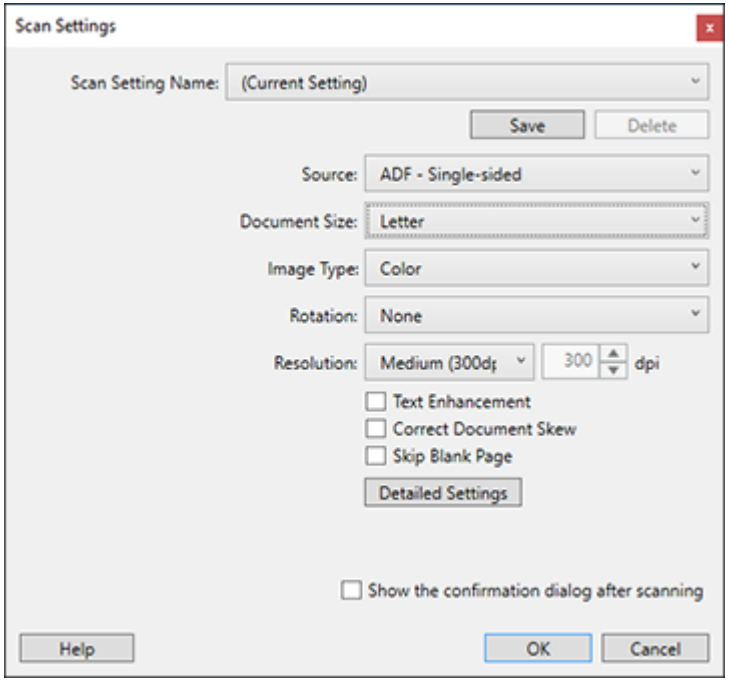
   You see a window like this:



4. Click the **Scan Settings** button.

   Note: If you do not see any icons, click the **V** symbol next to the **Job Settings** button.

   You see a window like this:



5. Select any displayed settings you want to use and click **OK**.

   Note: See the help information in Document Capture Pro for details.

6. Click one of the destination icons (except **Print**) to choose where to send your scanned files. Your product starts scanning and you see the settings window.
7. Select the Office format file you want to use from the **File Type** drop-down list.

   Note: The first time you select an Office format file you are prompted to download a plug-in update for Microsoft Office files. Select **Yes** to download and install the plug-in.

8. Click **Option** to display additional settings.
9. Select any additional settings as necessary and click **OK**.

   Note: See the help information in Document Capture Pro for details.

10. Confirm your settings and click **OK**.

    Your originals are saved in the Office file format you selected.

Parent topic: Scanning Special Projects

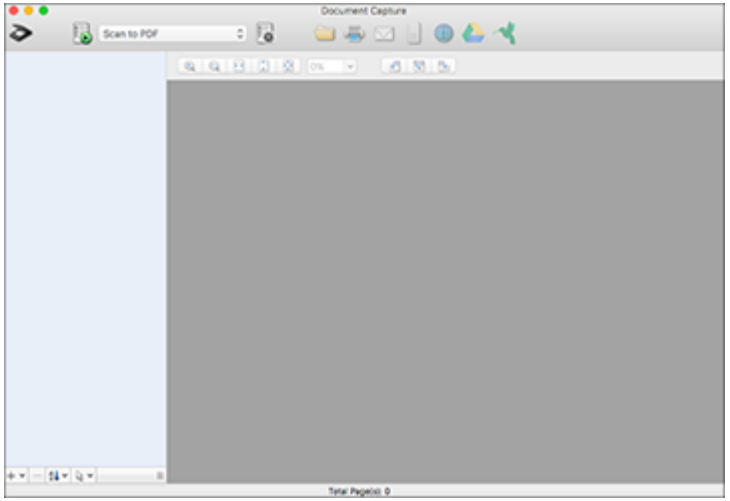
Saving a Scan as an Office Format File - Mac

You can use Document Capture (Mac) to save your scans in one of these Microsoft Office file fomats: Microsoft Word (.docx) and Microsoft Excel (.xlsx).

Note: The settings may vary, depending on the software version you are using. See the Help information in Document Capture for details.

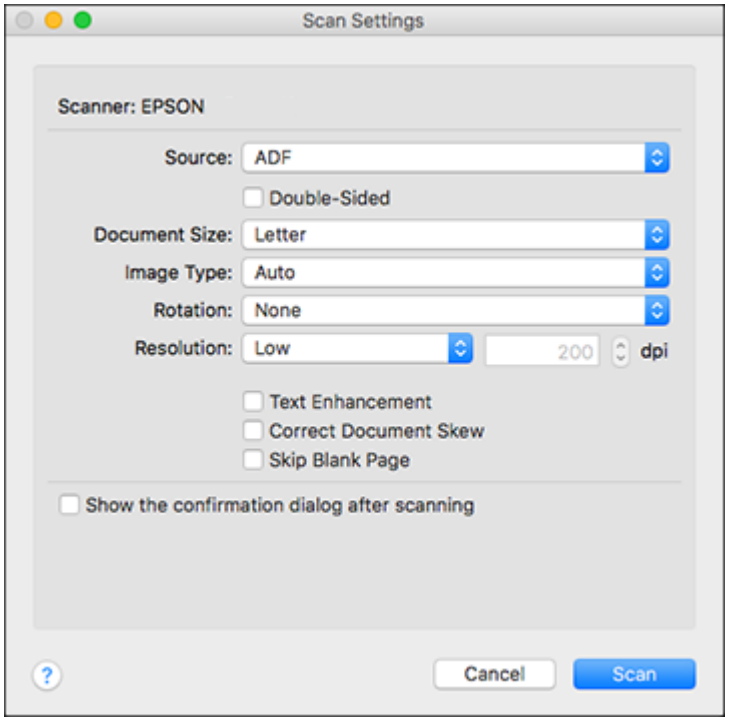
1. Load your original in the product for scanning.
2. Open the **Applications** folder, open the **Epson Software** folder, and select **Document Capture**.

   You see a window like this:



Note: You may need to select your scanner from the scanner list.

3. Click the **Scan** icon.
   You see a window like this:



   Note: If you want to use a scan job that you created instead, select it from the Job list in the Document Capture window, click the Start Job button, and skip the rest of these steps.

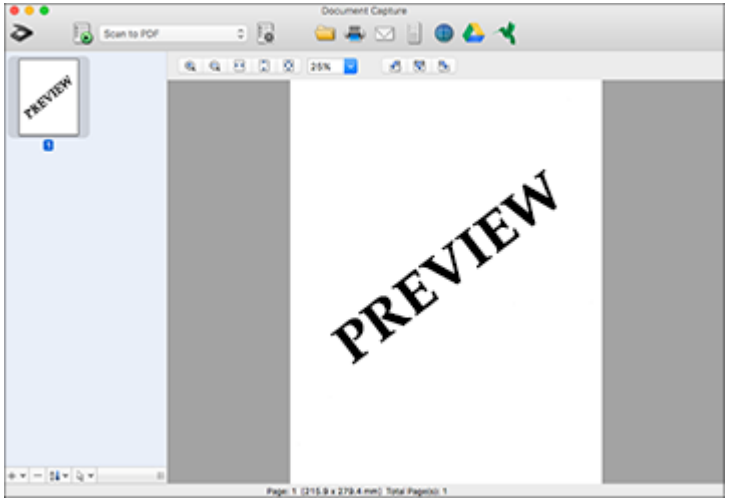
4. Select any displayed scan settings you want to use.

   Note: See the Help information in Document Capture for details.

5. If you want to select detailed scan settings, close the Scan Settings window, open the **Scan** menu at the top of the Mac desktop, and select **Displays the EPSON Scan Setup Screen**.

6. Click the Scan icon and select any detailed scan settings you want to use from the Epson Scan 2 window.
7. Click **Scan**.

   You see a preview of your scan in the Document Capture window.



   Note: You may have to close the Epson Scan 2 window to view your scan in the Document Capture window.

8. If you would like to scan additional originals and add them to the current captured images, click the + icon, select **Acquire from Scanner**, and repeat the previous steps.
9. Check the scanned images and edit them as necessary.
10. Open the **File** menu at the top of the Mac desktop and select **Save As**.
11. Select **DOCX** (Word) or **XLSX** (Excel) as the **File Type** setting.

    Note: The first time you select an Office file type setting in Document Capture, you see a prompt to download a necessary plug-in for Microsoft Office files. Select **Yes** and follow the on-screen instructions to download and install the plug-in to continue.

12. Click the **Options** button, select any necessary Office file type options, and click **OK**.

13. Click one of the Destination icons to choose where to send your scanned file. (If you cannot see all of the icons below, click the arrow next to the icons.)

14. Depending on the destination you chose, click **OK** or **Send** to complete the operation.

Parent topic: Scanning Special Projects

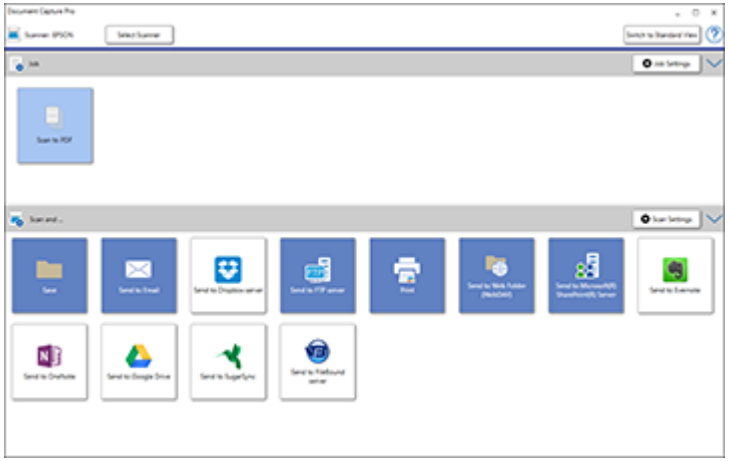
Scanning to a SharePoint Server or Cloud Service - Windows

You can use Document Capture Pro (Windows) to upload scanned images to a SharePoint server or a cloud service.

Note: The settings may vary, depending on the software version you are using. See the help information in Document Capture Pro for details.

1. Load your original in the product.
2. Do one of the following to start Document Capture Pro:
   - **Windows 10**: Click and select **Epson Software** > **Document Capture Pro**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Document Capture Pro**.
   - **Windows (other versions)**: Click or **Start**, and select **All Programs** or **Programs**. Select **Epson Software** > **Document Capture Pro**.
3. If you see a **Switch to Simple View** button in the upper right corner of the window, click it.

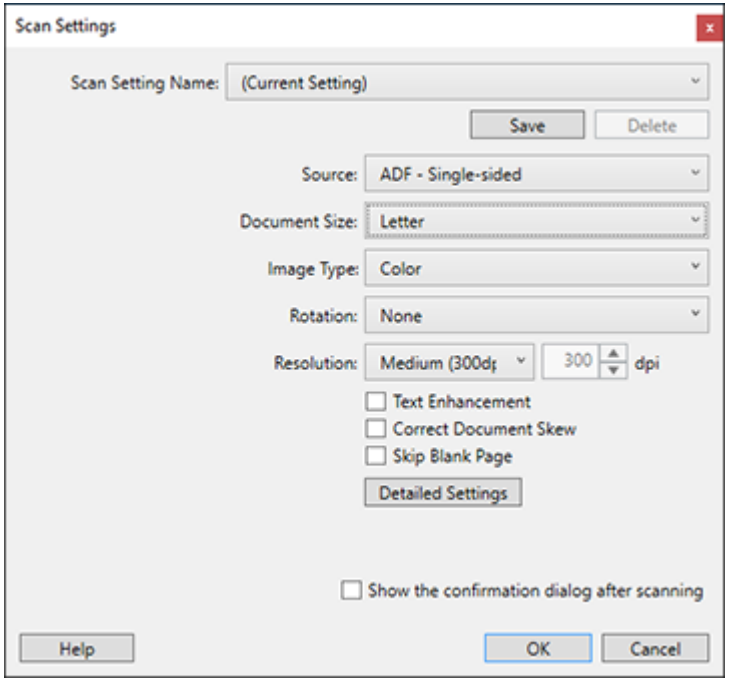
You see a window like this:



4. Click the **Scan Settings** button.

   Note: If you do not see any icons, click the **V** symbol next to the **Job Settings** button.

You see a window like this:



5. Select any displayed settings you want to use and click **OK**.

   Note: See the help information in Document Capture Pro for details.

6. Click one of the cloud server or service destination icons in the **Scan and...** section of the window. Your product starts scanning and you see the settings window.

   Note: If you cannot see all of the icons, the service software may not be installed or the service may not be available on your platform.

7. Enter any required information to set up the destination. You may need to log in to your cloud service to authenticate the connection and allow Document Capture Pro to access the cloud service. If you have previously created a saved setting for the destination, select it from the drop-down list.

8. Adjust any settings and click **OK**.

   Note: See the help information in Document Capture Pro for details.

   Your originals are uploaded to the indicated server or cloud service.

Parent topic: Scanning Special Projects

Cleaning and Transporting Your Scanner

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

Cleaning Your Scanner
Cleaning Inside Your Scanner
Calibrating Your Scanner
Transporting Your Scanner

Cleaning Your Scanner

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

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. Do not open the product's outer case.

1. Turn off the scanner (DS-80W).
2. Disconnect the USB cable, if connected.
3. Clean the outer case with a soft, dry cloth. Do not use liquid or chemical cleansers.

   Note: If the outer case still requires additional cleaning, use a slightly damp cloth to wipe the outer case. Then wipe the case with a soft, dry cloth.

Parent topic: Cleaning and Transporting Your Scanner

Cleaning Inside Your Scanner

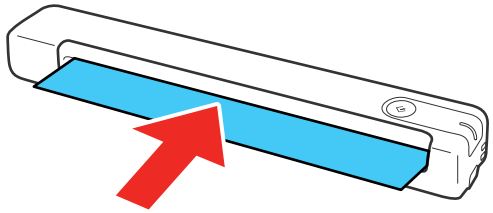
Clean your scanner regularly using the dry cleaning sheet that came with your scanner. Dust on the scanning surface can cause spots or lines in your scanned images. If spots or lines remain, a wet cleaning sheet is available as part of the optional maintenance sheet kit (part number B12B819481).

Note: The illustration shows the DS-70, but the steps are the same for the DS-80W.

Caution: Use the dry or wet cleaning sheets to clean your scanner. Do not disassemble your product and 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.

You can purchase genuine Epson accessories at epson.com (U.S. sales), epson.ca (Canadian sales), or epson.com.jm (Caribbean sales). You can also purchase accessories 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.

1. Turn on the scanner and make sure it is connected to the computer.
2. Load the dry cleaning sheet into the scanner.



3. Do one of the following to start the Epson Scan 2 Utility:
   - **Windows 10**: Click > **EPSON** > **Epson Scan 2 Utility**
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Epson Scan 2 Utility**.
   - **Windows (other versions)**: Click or **Start** > **All Programs** or **Programs** > **EPSON** > **Epson Scan 2** > **Epson Scan 2 Utility**.
   - **Mac**: Open the **Applications** folder, click **Epson Software**, and click **Epson Scan 2 Utility**.
4. Click **Maintenance**.
5. Click **Cleaning**.

   Note: Cleaning does not start if the battery level is low (DS-80W).

   The scanner feeds and ejects the cleaning sheet. Cleaning takes about 30 seconds.
6. If spots or lines remain, repeat these steps to clean it again.

   Note: You can use the same dry cleaning sheet multiple times.

7. If the scanner is not clean after multiple cleanings with the dry cleaning sheet, repeat these steps using the wet cleaning sheet from the optional maintenance sheet kit.

   Note: You can use the wet cleaning sheet only once. If the scanner is still not clean after using the wet cleaning sheet, contact Epson for support.

Parent topic: Cleaning and Transporting Your Scanner

Related references

User Replaceable Epson Scanner Accessories

Calibrating Your Scanner

If you notice any of the following image quality problems, you can calibrate the scanner using the calibration sheet that came with it:

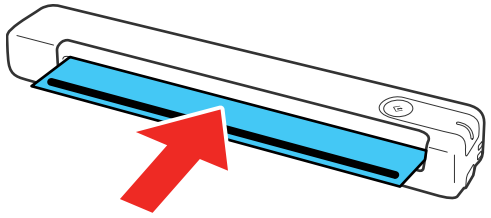
- Scanned images are blurry.
- Scanned colors differ from the colors in the original.
- Scanned images are darker or lighter than the original.
- Scanned images contain vertical lines.

Note: The illustration shows the DS-70, but the steps are the same for the DS-80W.

1. Turn on the scanner and make sure it is connected to the computer.

   Note: Make sure the scanner battery is not low or calibration will not start (DS-80W).

2. Load the calibration sheet into the scanner with the arrows at the trailing edge of the sheet pointing into the input slot.



3. Do one of the following to start the Epson Scan 2 Utility:
   - **Windows 10**: Click > **EPSON** > **Epson Scan 2 Utility**.
   - **Windows 8.x**: Navigate to the **Apps** screen and select **Epson Scan 2 Utility**.
   - **Windows (other versions)**: Click or **Start** > **All Programs** or **Programs** > **EPSON** > **Epson Scan 2** > **Epson Scan 2 Utility**.
   - **Mac**: Open the **Applications** folder, click **Epson Software**, and click **Epson Scan 2 Utility**.
4. Click **Maintenance**.
5. Click **Calibration**.

   The scanner feeds and ejects the calibration sheet. Calibration takes about 20 seconds.

   Note: You can use the calibration sheet multiple times. If calibrating the scanner does not improve the image quality, contact Epson for support.

Parent topic: Cleaning and Transporting Your Scanner

Transporting Your Scanner

If you need to ship your product, transport it a long distance, or store it for an extended period, prepare it for transportation as described here.

1. Turn off the scanner (DS-80W).
2. Disconnect the USB cable, if connected.
3. Place the scanner in its original packing materials, if possible, or use equivalent materials with cushioning around the product.

   Caution: Strong impacts may damage the scanner. Do not expose the scanner to direct sunlight or leave it near heaters or in locations subject to high temperatures. Heat may cause the body to deform.

   Note: If you are taking the scanner with you on a flight, first confirm with the airline if you can take the scanner on the airplane. We recommend you take the scanner in your carry-on luggage as the scanner can be damaged by a strong impact depending on how your checked luggage is handled at the airport.

Parent topic: Cleaning and Transporting Your Scanner

Solving Problems

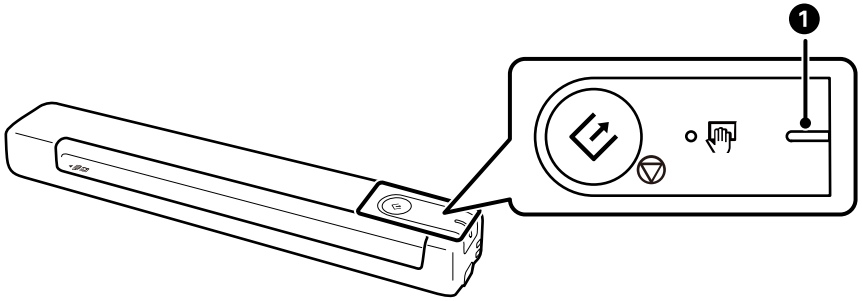
Check these sections for solutions to problems you may have using your product.

Scanner Light Status
Solving Scanning Problems
Solving Network Scanning Problems
Solving Scanned Image Quality Problems
Uninstall Your Scanner Software
Where to Get Help

Scanner Light Status

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

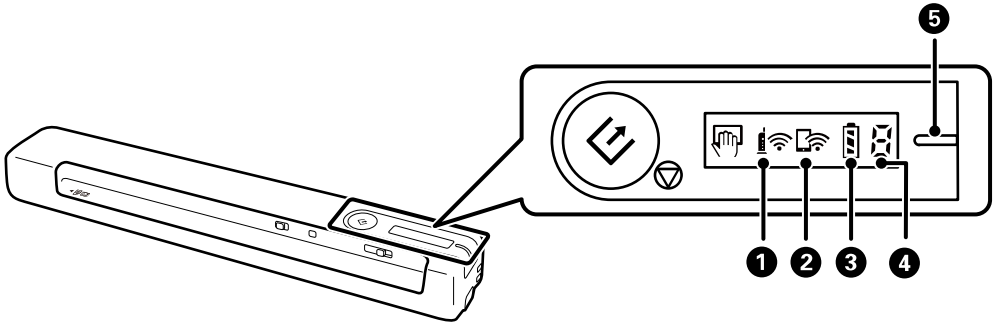
DS-70



1 Ready light

Light status	Condition/solution
The ready light is orange	Check the following: • Make sure there are no originals jammed in the scanner. • Make sure the scanner is connected to your computer securely. • Make sure Epson Scan 2 is installed correctly. • If a firmware update fails and the scanner enters recovery mode, update the firmware again using a USB connection. • Disconnect and re-connect the USB cable to the computer. If this does not solve the problem, the scanner may be malfunctioning or the light source in the scanner unit may need to be replaced. Contact Epson for support.

DS-80W



1 Wi-Fi light

2 Wi-Fi AP light

3 battery light

4 Error status light

5 Ready light

Light status	Condition/solution
The error status light shows the letter J and the ready light is orange	A paper jam has occurred. Remove and reload the original.
The error status light shows the letter F and the ready light is orange	One of the following has occurred: • A fatal error has occurred. Turn the scanner off and on again. If the error continues, contact Epson for support. • The battery cannot be fully charged even if you are charging the battery within the guaranteed charging temperature range. It may be damaged or has reached the end of its service life. Contact Epson for support.
The error status light shows the letter U and the ready light is orange	The firmware update has failed. • Connect the computer and the scanner with a USB cable (during recovery mode, you cannot update the firmware over a network connection) • Contact Epson for instructions on updating the firmware again.
The error status light shows the letter P and the ready light is orange	The scanner has started in recovery mode. • Connect the computer and the scanner with a USB cable (during recovery mode, you cannot update the firmware over a network connection) • Contact Epson for instructions on updating the firmware again.
The error status light shows the letter H, and all other lights are on	The battery stopped charging because it became too hot. Charge the battery within an ambient temperature range of 46 to 95 °F (8 to 35 °C).
The error status light shows the letter C, and all other lights are on	The battery stopped charging because it became too cold. Charge the battery within an ambient temperature range of 46 to 95 °F (8 to 35 °C).
The Wi-Fi and Wi-Fi AP lights flash simultaneously	An access point settings error has occurred. Restart the scanner and router, move them closer together, and connect to the network again.

Parent topic: Solving Problems

Related references

Original Jams in Scanner

Where to Get Help

Related tasks

Loading Originals in the Input Slot

Charging the Battery (DS-80W)

Related topics

Scanning

Wi-Fi Networking

Solving Scanning Problems

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

Scanner Does Not Turn On or Off or Turns Off Unexpectedly

Scanner Button Does Not Work as Expected

Scanning Software Does Not Operate Correctly

Cannot Start Epson Scan 2

Original Feeds Incorrectly in Scanner

Original Jams in Scanner

Scanning is Slow

Cannot Send Scans to a Cloud Service

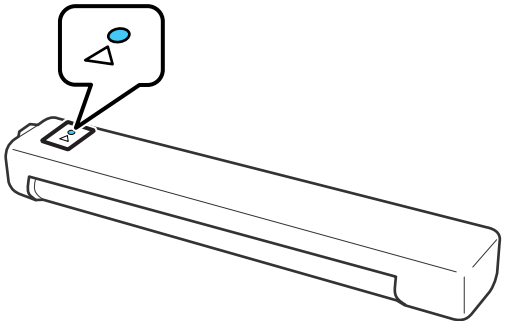
Parent topic: Solving Problems

Scanner Does Not Turn On or Off or Turns Off Unexpectedly

If the scanner does not turn on or off or if it turns off unexpectedly, try these solutions:

- Wait a second after connecting the USB cable. It may take a few seconds until the scanner turns on.
- If the scanner turns off unexpectedly, you may need to adjust the **Power Save** settings.
- Use the scanner within the operating temperature range. The scanner may turn off suddenly under low or high temperatures.
- Use the USB cable that came with the scanner.
- Make sure the USB cable is securely connected to the scanner and the computer.
- Connect the scanner directly to the computer. The scanner may not work properly when connected through a USB hub.
- If the scanner is running on the battery under temperatures that are too low or too high, the scanner will not turn on. Use the scanner within the operating temperature range (DS-80W).

- Make sure the battery has enough power (DS-80W).
- Make sure the Wi-Fi switch is in the Wi-Fi position or connect to the computer using the USB cable. Otherwise, the scanner may turn off (DS-80W).
- If the scanner does not turn off when running on the battery, disconnect the USB cable and press the reset button on the bottom of the scanner (DS-80W).



Parent topic: Solving Scanning Problems

Related tasks

Changing the Power Save Settings

Charging the Battery (DS-80W)

Scanner Button Does Not Work as Expected

If the scanner button does not start the correct program or perform the correct action, try these solutions:

- You cannot scan using the start button over a wireless connection. Connect the scanner using a USB cable before scanning from the button on your scanner (DS-80W).
- Check the USB cable connection between the computer and scanner.
- Check that the correct scanner is selected using the Epson Scan 2 Utility.
- In Windows, be sure that the scanner is listed under **Imaging Devices** in the Device Manager.
- Make sure you have assigned the correct job to the scanner button and change it, if necessary.
- Check the status of the lights and make sure the scanner is ready to scan.
- Make sure Epson Scan 2 and other applications are installed correctly. If necessary, uninstall and reinstall it.

Parent topic: Solving Scanning Problems

Related references

Scanner Light Status

Related tasks

Adding and Assigning Scan Jobs with Document Capture Pro - Windows

Assigning Start Button Settings or Scan Jobs - Mac

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.
- Make sure the scanner is turned on.
- Make sure the connection between the scanner and your computer is secure.
- If you upgraded your operating system but did not reinstall your scanning software, try reinstalling it.
- In Windows, be sure that the scanner is listed under **Imaging Devices** in the Device Manager.
- Make sure the scanning software is installed.
- Use the USB cable that came with the scanner.
- Connect the scanner directly to the computer. The scanner may not work properly when connected through a USB hub.
- If you are using a TWAIN-compliant program, make sure that the correct product is selected as the **Scanner** or **Source** setting.
- Check that the Wi-Fi connection is working correctly. Try turning the wireless router off and on (DS-80W).
- Make sure another computer is not connected to the scanner using a USB cable. A USB connection takes priority over a Wi-Fi connection. If another computer is connected by USB, disconnect it.
- If you are using a Mac computer, make sure you select the network that has priority on it.

Parent topic: Solving Scanning Problems

Related references

Windows System Requirements

Mac System Requirements

Related tasks

Uninstalling Scanner Software - Windows

Uninstalling Scanner Software - Mac

Cannot Start Epson Scan 2

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

- Be sure to use the USB cable that came with the scanner.
- Make sure your scanner is turned on and any interface cables are securely connected at both ends.
- 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.
- Connect the scanner directly to the computer. The scanner may not work properly when connected through a USB hub.
- Make sure you do not have multiple versions of Epson Scan 2 installed. If you do, uninstall all versions and install one version.
- If you upgraded your operating system but did not reinstall Epson Scan 2, try reinstalling it.
- If you are using a TWAIN-compliant program, make sure that the correct product is selected as the **Scanner** or **Source** setting.
- Make sure the ready light stops flashing, indicating that the scanner is ready to scan.

Parent topic: Solving Scanning Problems

Related references

Windows System Requirements

Mac System Requirements

Scanner Light Status

Related tasks

Uninstalling Scanner Software - Windows

Uninstalling Scanner Software - Mac

Original Feeds Incorrectly in Scanner

If you have problems feeding originals in your scanner, try these solutions:

- Load only an original that meets the specifications for your scanner.

- Clean inside the scanner using a cleaning sheet.

Parent topic: Solving Scanning Problems

Related references

Original Document Specifications
Receipt Specifications
Special Original Specifications
Plastic Card Specifications

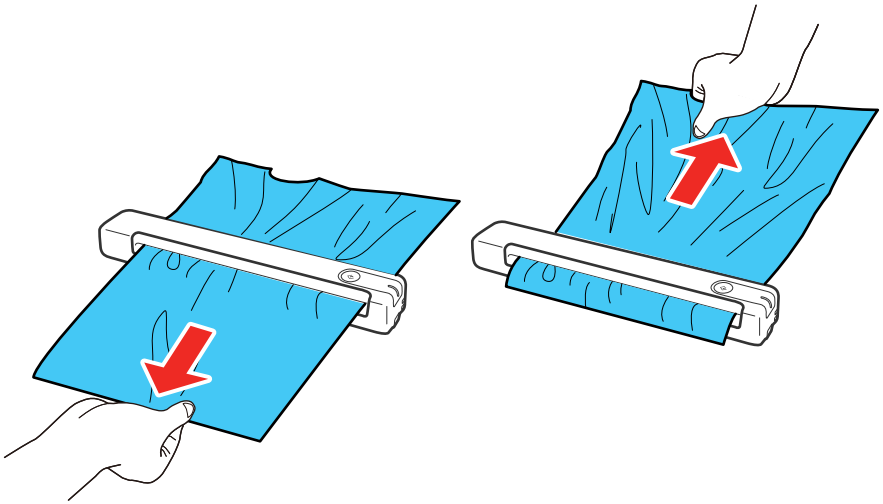
Related tasks

Loading Originals in the Input Slot
Cleaning Inside Your Scanner

Original Jams in Scanner

If an original has jammed inside the scanner, follow these steps:

1. Gently pull out the jammed original in the direction that offers the least resistance.



Note: If paper gets stuck in the roller and remains inside the scanner, carefully remove it with a pair of tweezers in the direction of the output slot. If you cannot remove it, contact Epson for support.

2. Carefully follow all loading instructions when you reload your original.

Parent topic: Solving Scanning Problems

Related references

Original Document Specifications
Receipt Specifications
Special Original Specifications
Plastic Card Specifications
Where to Get Help

Related tasks

Loading Originals in the Input Slot
Cleaning Inside Your Scanner

Scanning is Slow

If scanning becomes slow, try these solutions:

- Scan your original at a lower resolution, if possible.
- Make sure your system meets the requirements for your operating system. If you are scanning a high-resolution image, you may need more than the minimum requirements. If necessary, increase your system's memory or reduce the resolution.
- If you are scanning over a wireless network, factors such as interference, network traffic, or weak signal strength may affect your scanning speed (DS-80W).
- Computers with USB 2.0 (Hi-Speed) ports can scan faster than those with USB 1.1 ports. If you are using a USB 2.0 port with the scanner, make sure it meets the system requirements.
- Scanning may take longer if the battery is low. Charge the battery from a computer with a USB connection (DS-80W).

Parent topic: Solving Scanning Problems

Related references

Windows System Requirements
Mac System Requirements

Cannot Send Scans to a Cloud Service

If you cannot send a scan to a cloud service, try these solutions:

- Make sure the login information you entered for the cloud service is correct.

- Make sure the cloud service is not down for system maintenance. Check the cloud service website for more information.

Parent topic: Solving Scanning Problems

Solving Network Scanning Problems

Check these solutions if you have problems scanning over a network (DS-80W).

Cannot Scan Over a Network

Scanner Cannot Connect to a Wireless Router

Parent topic: Solving Problems

Cannot Scan Over a Network

If you cannot start Epson Scan 2 when scanning over a network (DS-80W), try these solutions:

- Make sure the Wi-Fi switch is set to the Wi-Fi position.
- Make sure the computer and scanner are connected to the same network (or network segment/VLAN).
- Move the scanner and computer or smart device closer to the access point.
- If you cannot scan from the start button on the scanner, make sure you restarted your computer after installing the scanning software.
- You cannot start a scan from the start button over a wireless network. Connect the scanner using a USB cable before scanning from the start button (DS-80W).
- 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 scanner, turn it back on, and try starting Epson Scan 2 again.
- Check the network connection setting in the Epson Scan 2 Utility.
- You may need to disable the firewall and any anti-virus software on your wireless router or access point.
- If you see the message "Network product is not available: currently being used by user", there may be a communication error between the scanner and computer. Restart the scanner.
- Epson Scan 2 does not support networks that use only IPv6. Use Epson Scan 2 on a network that supports IPv4.

- If the Firewall function is active, the scanner may not be discovered by the Epson Scan 2 Utility. Open the Epson Scan 2 Utility, enter the IP address for your scanner, and click **Add**.
- If the scanner and computer cannot communicate and are connected to the same network (or network segment/VLAN), the privacy separator on your router must be disabled. Follow the instructions in your router documentation to disable the privacy separator.

Parent topic: Solving Network Scanning Problems

Related topics
Wi-Fi Networking

Scanner Cannot Connect to a Wireless Router

If your scanner has trouble finding or connecting to a wireless router (DS-80W), try these solutions:

- If you did not successfully connect to a network while installing your product software, select the link at the end of this topic and follow the steps in "Manually Connecting to a Wi-Fi Network".
- If you are connecting the scanner via Wi-Fi Protected Setup (WPS), make sure you activate WPS on your scanner within 2 minutes of activating WPS discovery mode on the router by pressing the WPS button or enabling the WPS setting in your router firmware.
- Make sure to place your scanner within contact range of your router. Avoid placing your scanner 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. Be sure to connect your computer and scanner only to a 2.4 GHz network name (SSID).

- Verify that your router is operating correctly by connecting to it from your computer or another device.
- You may need to temporarily disable your firewall and any anti-virus software on your wireless router. Then try scanning again. You can also unblock your scanner driver or network address in your firewall or anti-virus software.
- Check to see if access restrictions, such as MAC address filtering, are set on the router. If access restrictions are set, add your scanner's MAC address to your router's address list. To obtain your scanner's MAC address, check the label on the back or bottom of your scanner. Then follow the instructions in your router documentation to add the address to the list.
- If your router does not broadcast its network name (SSID), follow the instructions that came with your scanner to enter your wireless network name manually.

- If your router 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.
- The scanner may not be able to communicate with a computer with multiple network interfaces. Disable all network interfaces except for the interface connected to the scanner.
- Enable the DHCP function on the access point or router.
- Check that the scanner's IP address is set correctly.

Parent topic: Solving Network Scanning Problems

Related tasks

Manually Connecting to a Wi-Fi Network

Related topics

Wi-Fi Networking

Solving Scanned Image Quality Problems

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

Back of Original Image Appears in Scanned Image
Scanned Characters are Blurry
Characters are not Recognized During Conversion to Editable Text (OCR)
Ripple Patterns Appear in an Image
Spots or Lines Appear in All Scanned Images
Scanned Image is Cropped
Resetting the Epson Scan 2 Settings

Parent topic: Solving Problems

Back of Original Image Appears in Scanned Image

If an image from the back of a thin original appears in your scanned image, make sure you selected the correct Image Type setting for your original and select the **Text Enhancement** setting in Epson Scan 2. You can also select the **Remove Background** setting in Epson Scan 2.

Note: If you select **Color** as the Image Type setting, you can change the level from Standard to High to remove more of the background.

Parent topic: Solving Scanned Image Quality Problems

Related references

Image Format Options

Related tasks

Scanning in Epson Scan 2

Scanned Characters are Blurry

If characters in your scanned images are blurry, try these solutions:

- Make sure you do not move the scanner or original while scanning.
- Operate the scanner on a flat, stable surface.
- Make sure the originals are ejecting properly.
- Adjust these Epson Scan 2 settings (if available) and try scanning again:
  - Select the **Text Enhancement** setting.
  - If the **Image Type** setting is **Black & White**, adjust the **Threshold** setting.
  - Increase the **Resolution** setting.
  - Set the **Image Type** to **Grayscale**.
  - If you are scanning in JPEG format, change the compression level. Click **Options** in the Image Format menu and change the **Image Quality** setting.

Parent topic: Solving Scanned Image Quality Problems

Related references

Image Format Options

Related tasks

Scanning in Epson Scan 2

Characters are not Recognized During Conversion to Editable Text (OCR)

If characters in your scanned images are not recognized during OCR conversion, try these solutions:

- Make sure your original is loaded straight on your product.
- Use an original with clear text.
- Adjust these Epson Scan 2 settings (if available) and try scanning again:
  - Select the correct **Image Type** setting.

- If the **Image Type** is set to **Black & White**, adjust the **Threshold** setting.
- Set the **Image Type** to **Grayscale**.

- Set the scanning resolution between 200 and 600 dpi.
- If the original document is in landscape mode, set the **Rotate** setting to **Auto** in Epson Scan 2.
- If you are using OCR software, check the manual for any additional adjustments.
- Scan thermal paper receipts as soon as possible. They may deteriorate due to age or friction.
- When saving to Microsoft Office or Searchable PDF files, check that the correct languages are selected. Check the language in each save setting window.

Parent topic: Solving Scanned Image Quality Problems

Related references

Image Format Options

Related tasks

Scanning in Epson Scan 2

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

Image Format Options

Related tasks

Scanning in Epson Scan 2

Spots or Lines Appear in All Scanned Images

If spots or lines appear in all your scanned images, try these solutions:

- Clean inside the scanner using a cleaning sheet.
- Calibrate the scanner using a calibration sheet.
- Make sure the surface of your original is clean.

- Avoid scanning in direct sunlight.

Note: If you are scanning a plastic card with a shiny surface, a line may appear in the scan.

Parent topic: Solving Scanned Image Quality Problems

Related tasks

Cleaning Inside Your Scanner
Calibrating Your Scanner

Scanned Image is Cropped

If the edges of a scanned image are cropped, try the following solutions:

- Select **Auto Detect** as the Document Size setting in Epson Scan 2, Document Capture Pro, or Document Capture.
- If the document size is not detected correctly using the **Auto Detect** setting, select the size of your original from the **Document Size** list.

  Note: If the size you want to scan is not on the list, select **Customize** to create it manually (Windows only).

- In Epson Scan 2, select the **Main Settings** tab. Select **Document Size** > **Settings** and adjust the cropping area shown in the **Crop Margins for Size "Auto"** setting.
- In Epson Scan 2, select the **Advanced Settings** tab. Set the **Edge Fill** setting to **None**.
- **Document Capture Pro (Windows)**: Select **Scan Settings** > **Detailed Settings** from the Scan window. Select **Document Size** and then select the **Auto Detect** setting.
- **Document Capture (Mac)**: Click the Scan button and select **Main Settings** from the Scan window. Select **Document Size** and then adjust the cropping area shown in the **Crop Margins for Size "Auto"** setting.

Parent topic: Solving Scanned Image Quality Problems

Resetting the Epson Scan 2 Settings

If you continue to experience image quality problems after trying all possible solutions, you may need to reset the Epson Scan 2 settings using the Epson Scan 2 Utility.

1. Do one of the following to start the Epson Scan 2 Utility:
   - **Windows 10**: Click > **EPSON** > **Epson Scan 2 Utility**.

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

2. Click the **Other** tab.
3. Click **Reset**.

Note: If resetting the Epson Scan 2 settings does not solve your problem, uninstall Epson Scan 2 and re-install it.

Parent topic: Solving Scanned Image Quality Problems

Related concepts

Uninstall Your Scanner Software

Uninstall Your Scanner Software

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

Uninstalling Scanner Software - Windows
Uninstalling Scanner Software - Mac

Parent topic: Solving Problems

Uninstalling Scanner Software - Windows

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

1. Exit all applications currently running on your computer.
2. Turn off the scanner (DS-80W).
3. Disconnect any interface cables.
4. Do the following to uninstall each of your scanning software programs and follow any on-screen instructions:
   - **Windows 10**: Click and select (Settings) > **Apps** > **Apps & features**. Select the scanner software program and click **Uninstall**.

- **Windows 8.x**: Navigate to the **Apps** screen and select **Control Panel** > **Programs** > **Programs and Features**. Select the scanner software program and click **Uninstall/Change**.
- **Windows 7**: Open the Windows **Control Panel** utility. Select **Programs and Features**. (In Classic view, select **Programs** and click **Uninstall a program**.) Select the scanner software program and click **Uninstall/Change**.

5. Restart your computer, then see the *Start Here* sheet to re-install your software.

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

Parent topic: Uninstall Your Scanner Software

Uninstalling Scanner Software - Mac

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

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. Follow the instructions on the screen to install the Uninstaller utility.
3. Quit all applications currently running on your Mac.
4. Double-click the **Uninstaller** icon.
5. In the Epson Uninstaller screen, select the checkbox for each software program you want to uninstall.
6. Click **Uninstall**.
7. Follow the on-screen instructions to uninstall the software.
8. To reinstall your scanner software, see the *Start Here* sheet for instructions.

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

Parent topic: Uninstall Your Scanner Software

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 with your product. You can download utilities 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) 276-4300, 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.

Note: For help using any other software on your system, see the documentation for that software for technical support.

Purchase Supplies and Accessories

You can purchase genuine Epson accessories at epson.com (U.S. sales), epson.ca (Canadian sales), or epson.com.jm (Caribbean sales). You can also purchase accessories 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 scanner.

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
General Specifications
Dimension Specifications
Electrical Specifications
Environmental Specifications
Network Interface Specifications (DS-80W)
Safety and Approvals Specifications

Windows System Requirements

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

For Document Capture Pro:

- Windows 10
- Windows 8.x
- Windows 7

For Epson Scan 2 and related software:

- Windows 10
- Windows 8.x
- Windows 7
- Windows Vista
- Windows Server (2003, 2008, 2012, 2016)

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: The UNIX File System (UFS) for OS X is not supported.

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

General Specifications

Scanner type	Portable, sheet feed, simplex color A4
Photoelectric device	CIS
Effective pixels	5100 × 8400 pixels at 600 dpi (maximum) 2550 × 21600 pixels at 300 dpi (maximum - long paper)

Document size	Maximum: 8.5 × 72 inches (215.9 × 1828.8 mm) Documents scanned at 301 dpi or more: up to 8.5 × 14 inches (215.9 × 355.6 mm) Minimum: 2 × 2 inches (50.8 × 50.8 mm)
Paper input	Faceup loading
Paper output	Faceup ejection
Paper capacity	1 sheet of paper at up to 21 lb (80 g/m^2) weight
Scanning resolution	600 dpi (main scan) 600 dpi (sub scan)
Output resolution	50 to 1200 dpi (in 1 dpi increments) 50 to 300 dpi for scans from 14 to 72 inches (355.6 to 1828.8 mm)
Color depth	Color • 48 bits per pixel internal (16 bits per pixel per color internal) • 24 bits per pixel external (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
Interface	One USB 2.0 port (Hi-Speed) IEEE802.11b/g/n (DS-80W) (You cannot use a USB and network connection at the same time [DS-80W].)
Light source	RGB LED

Parent topic: Technical Specifications

Dimension Specifications

Height	1.4 inches (34.3 mm)
Width	10.7 inches (272 mm)
Depth	1.9 inches (47 mm)
Weight	**DS-70**: 0.6 lb (270 g) **DS-80W**: 0.7 lb (300 g)

Parent topic: Technical Specifications

Electrical Specifications

Scanner

Note: Check the label on the scanner for voltage information. Power consumption varies depending on operating conditions.

Rated input voltage	DC 5 V
Rated input current	0.5 A

Power consumption (approximate)	**DS-70**: Operating: 2.1 W or less Ready mode: 1.1 W Sleep mode: 0.4 W Power off mode: 0.1 W or less **DS-80W** (connected via USB): Operating: 2.7 W or less Ready mode: 1.6 W Sleep mode: 1.0 W Power off mode: 0.2 W or less **DS-80W** (connected via Wi-Fi with fully charged battery): Operating: 3.1 W or less Ready mode: 2.4 W Sleep mode: 1.9 W Power off mode: 0.2 W or less

Battery (DS-80W)

Type	Li-ion
Rated voltage	3.6 V
Rated capacity	1140mAh
Charging time	USB 2.0 port: 3.5 hours (approximately) (USB charging time with scanner turned off; if the scanner is turned on, charging takes longer.)
Number of scans (fully charged battery)	300 (continuous feed in automatic feeding mode at 300 dpi [color] via Wi-Fi)

Parent topic: Technical Specifications

Environmental Specifications

Temperature	Operating: 41 to 95 °F (5 to 35 °C)
	Charging: 46 to 95 °F (8 to 35 °C) [DS-80W]
	Storage: –13 to 140 °F (–25 to 60 °C)
Humidity	Operating: 10 to 85% RH
(non-condensing)	Storage: 10 to 90% RH
Operating conditions	Ordinary office or home conditions

Note: Avoid operating the scanner in direct sunlight, near a strong light source, in locations subject to high temperatures, or in extremely dusty conditions.

Parent topic: Technical Specifications

Network Interface Specifications (DS-80W)

Wireless LAN standard	IEEE 802.11 b/g/n
Wireless security	WPA2-PSK (AES); WPA2 compliant with support for WPA/WPA2 Personal
	WEP (64/128 bit)
Frequency range	2.4 GHz
Coordination modes	Infrastructure mode
	AP mode; not supported for IEEE802.11b
Maximum radio-frequency power transmitted	20 dBm (EIRP)

Note: AP mode connection and Wi-Fi connection can be used at the same time.

Parent topic: Technical Specifications

Safety and Approvals Specifications

Scanner

United States	Safety: UL60950-1
	EMC: FCC part 15 Subpart B class B
Canada	Safety: CAN/CSA C22.2 No. 60950-1
	EMC: ICES-003 Class B

DS-80W:

This equipment contains the following wireless module:

- Manufacturer: Foxlink Image Technlogy
- Type: WM294V2-E01

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 scanner.

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
Battery Safety Instructions (DS-80W)
Restrictions on Copying
Default Delay Times for Power Management for Epson Products
Binding Arbitration and Class Waiver
Trademarks
Copyright Notice

Important Safety Instructions

Follow these safety instructions when setting up and using the scanner:

- Read all these instructions, and follow all warnings and instructions marked on the scanner.
- Place the scanner close enough to the computer for the interface cable to reach it easily.
- Do not use with wet hands.
- When connecting this 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 insert objects into any opening as they may touch dangerous voltage points or short out parts. Beware of electrical shock hazards.
- Place the product on a flat, stable surface that extends beyond the base of the product in all directions. If you place the product by the wall, leave at least 3.9 inches (10 cm) between the back of the product and the wall.
- Do not subject the scanner to physical impacts or drop the scanner.
- Do not place or store the scanner outdoors, in a car, near excessive dirt or dust, water, heat sources, or in locations subject to shocks, vibrations, condensation, high temperature or humidity, direct sunlight, strong light sources, or rapid changes in temperature or humidity.

- Never disassemble, modify, or attempt to repair the scanner or a scanner option by yourself except as specifically explained in this guide.

Caution: Radio waves from this product may adversely affect the operation of medical equipment, airplanes, 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 (DS-80W).

USB

- Use only the USB cable supplied with your product. Using any other USB cable could cause fire, electrical shock, or injury.
- The USB cable is designed for use with the product with which it was included. Do not attempt to use it with other electrical devices unless specified.
- The USB cable should be placed to avoid abrasions, cuts, fraying, crimping, and kinking.
- Do not place objects on top of the USB cable and do not allow the cable to be stepped on or run over. Be particularly careful to keep the USB cable straight at the end.
- If you are not going to use the product for a long period, unplug the USB cable from the computer.
- Unplug the scanner and the USB cable, and refer servicing to qualified service personnel under the following conditions: Liquid has entered the scanner; the scanner has been dropped or the case has been damaged; the scanner does not operate normally or exhibits a distinct change in performance. (Do not adjust controls that are not covered by the operating instructions.)

LCD Screen

- The LCD screen may have uneven brightness or a few small bright or dark spots. This is normal and does not indicate damage.
- 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.

- Do not subject your product to sudden changes in temperature or humidity; this may cause condensation to develop inside the LCD screen and degrade its performance.

Parent topic: Notices

Battery Safety Instructions (DS-80W)

- If the battery is not fully charged within the specified time, stop charging. Otherwise, the battery could become hot, emit smoke, rupture, or catch fire.
- Do not place the product in a microwave oven or a high-pressure container. Otherwise, the battery could become hot, emit smoke, rupture, or catch fire.
- If battery acid gets into your eyes or on your skin, immediately rinse the affected area thoroughly with water without rubbing and seek medical treatment.
- If battery acid leaks from a battery, or the product emits a bad odor, move the product away from flammable objects immediately. If the product is not moved, electrolytes leaking from the battery become hot, emit smoke, rupture, or catch fire.
- Do not subject the scanner to physical impacts or drop the scanner. Otherwise, the battery could leak or the protection circuit in the battery could be damaged. As a result, the battery could become hot, emit smoke, rupture, or catch fire.
- Do not use or place the product in temperatures exceeding 140°F (60°C), such as near a fire or a heater. Otherwise, the plastic separator could melt and the individual cells could short-circuit. As a result, the battery could become hot, emit smoke, rupture, or catch fire.
- Do not use the product if it is leaking or damaged in any way. Otherwise, the battery could become hot, emit smoke, rupture, or catch fire.
- Do not leave the product in a vehicle. Otherwise, the battery could overheat.
- Always charge the battery within an ambient temperature range of 46°F to 95°F (8°C to 35°C).

Parent topic: Notices

Restrictions on Copying

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

Copying of the following items is prohibited by law:

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

Exercise caution when copying the following items:

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

Note: Copying these items may also be prohibited by law.

Restriction on disassembling and decompiling

You may not disassemble, decompile, or otherwise attempt to derive the source code of any software included with this product.

Parent topic: Notices

Default Delay Times for Power Management for Epson Products

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.

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.**

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