Perfection V19/V39 User's Guide
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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
Scanner Buttons and Lights
Using the Scanner Stand

Scanner Parts

1  Scanner cover
1  Document mat
2  Scanner glass
3  Carriage (beneath scanner glass)
1 USB port

1 Scanner stand

Parent topic: Scanner Basics
Scanner Buttons and Lights

1. The PDF button
2. The send button
3. The copy button
4. The start button
5. The status light

Parent topic: Scanner Basics
Related references
Scanner Light Status

Using the Scanner Stand

The scanner can be used in an upright position if surface space is limited.
1. Stand the scanner upright.
2. Extend the scanner stand from the back of the scanner until it clicks into place.
3. Tilt the scanner until it rests on the scanner stand.
4. To put the scanner stand away, rotate it into the back of the scanner.

Parent topic: Scanner Basics
Placing Originals on the Scanner

Follow the instructions here to place your originals on the scanner.

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

- Placing Originals on the Scanner Glass
- Placing Originals While Using the Scanner Stand
- Placing Thick Documents

**Placing Originals on the Scanner Glass**

You can place originals directly on the scanner glass.

**Caution:** Do not place heavy objects on the scanner glass and do not press on the glass with too much force, or it may damage the scanner. Do not leave photos on the scanner glass for an extended period, or they may stick to the glass.
1. Open the scanner cover.
2. Place your original facedown on the scanner glass with the top edge facing as shown. Slide the original to the edges of the indicated corner.

Note: You can place multiple originals on the scanner glass. Make sure they are at least 0.8 inch (20 mm) away from each other.

Note: The edges of your original may be cropped by 0.1 inch (2.5 mm) from the left side and top edges. If you are scanning in Full Auto mode or using thumbnail preview in another mode in Epson
Scan, the edges of your original may be cropped by about 0.24 inch (6 mm) from the top and side edges. Manually position your original away from the edges to prevent cropping.

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

Parent topic: Placing Originals on the Scanner

Related tasks
Scanning in Full Auto Mode

Placing Originals While Using the Scanner Stand

You can place originals directly on the scanner glass while the scanner stand is extended.

Caution: Do not place heavy objects on the scanner glass and do not press on the glass with too much force, or it may damage the scanner. Do not leave photos on the scanner glass for an extended period, or they may stick to the glass.

Note: You cannot place large or thick documents when the scanner is in a standing position.
1. Open the scanner cover.
2. Place your original facedown on the scanner glass with the top edge facing as shown. Slide the original to the edges of the indicated corner.

**Note:** The edges of your original may be cropped by 0.1 inch (2.5 mm) from the left side and top edges. If you are scanning in Full Auto mode or using thumbnail preview in another mode in Epson.
Scan, the edges of your original may be cropped by about 0.24 inch (6 mm) from the top and side edges.

3. Close the scanner cover gently and hold it to keep your original in place.

Parent topic: Placing Originals on the Scanner
Related tasks
Using the Scanner Stand
Scanning in Full Auto Mode

**Placing Thick Documents**

If you are scanning a book or other thick document, you can remove the scanner cover.

1. Hold the scanner cover near the hinges and pull straight up, keeping the cover horizontal.

![Image of scanner cover being removed](image-url)

2. Place your document facedown on the scanner glass.

   **Note:** Press down on your document gently to flatten it and hold the document down as you scan.

3. When you are finished scanning, replace the scanner cover in the reverse order that you removed it.

**Parent topic:** Placing Originals on the Scanner
Scanning
You can scan original documents or photos and save them as digital files.

Starting a Scan
Selecting Epson Scan Settings
Scanning Special Projects

Starting a Scan
After placing your original documents or photos 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 Icon
Scanning with Document Capture Pro and Document Capture
Starting a Scan from a Scanning Program

Parent topic: Scanning

Starting a Scan from a Scanner Button
You can scan using a button on your scanner. This automatically starts a default scanning program, but you can reassign the buttons to different programs.

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

1. Make sure you installed the scanner software and connected the scanner to your computer or network.
2. Place the original on your scanner.
3. Press one of the following buttons on your scanner:

1. The PDF button starts the Scan to PDF utility so you can scan multiple originals directly to a PDF file.
2. The send button starts Easy Photo Scan so you can scan your original and send it by email or upload it to a cloud destination.
3. The copy button starts the Copy Utility so you can scan your original and print it on a printer connected to your computer.
4. The start button starts Epson Scan so you can select your scan mode, settings, and scanned file destination on your computer.

The designated scan program starts.

Changing Default Scan Button Settings

Parent topic: Starting a Scan

Related tasks
Placing Originals on the Scanner Glass
Placing Originals While Using the Scanner Stand
Changing Default Scan Button Settings

You can view or change the default program and actions performed by each scanner button. You do this using the Event Manager program.

1. Do one of the following to open Event Manager:
   - **Windows 8.x**: Navigate to the Apps screen and select Event Manager.
   - **Windows (other versions)**: Click or Start > All Programs or Programs > Epson Software > Event Manager.
   - **OS X**: Open the Applications folder, click Epson Software, and click Event Manager.

   ![Epson Event Manager window](image)

   You see a window like this:

2. Change the program and action performed by each button as necessary.
3. Click **Close** to close the Event Manager window.

**Parent topic:** Starting a Scan from a Scanner Button

### Starting a Scan Using the Epson Scan Icon

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

- **Windows 8.x:** Navigate to the **Apps** screen and select **EPSON Scan** under **EPSON** or **EPSON Software**.

- **Windows (other versions):** Click **Start** or **Start**, and select **All Programs** or **Programs**. Select **EPSON** or **EPSON Software** and click **EPSON Scan**.

- **OS X:** Open the **Applications** folder, open the **Epson Software** folder, and double-click the **EPSON Scan** icon.

**Note:** With OS X, in addition to scanning with Image Capture, you can download and install Epson Scan scanning software. Epson Scan provides additional image adjustment and photo correction features for enhancing scanned images, and provides an interface for TWAIN-compliant OCR scanning software. To download Epson Scan, visit Epson's driver download site (U.S. downloads or Canadian downloads).

**Note:** In OS X 10.11, if you see a message asking if you want to use TWAIN to scan with your product, select **Yes** to scan using Epson Scan.
You see an Epson Scan window like this:

![Epson Scan window](image)

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

**Scanning with Document Capture Pro and Document Capture**

When you scan with Document Capture Pro (Windows) or Document Capture (OS X), 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 or Document Capture Pro for details.

1. Do one of the following to start Document Capture Pro (Windows) or Document Capture (OS X):
   - **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, then select Document Capture Pro.
   - **OS X**: Open the Applications folder, select the Epson Software folder, and select Document Capture.

   You see a window like this:

   ![Document Capture Pro window](image)

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

![Scan window](image)

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

**Note:** If you selected **Use EPSON Scan** in the **Scan** menu under **Scan Settings Screen**, the Epson Scan main window opens instead of the Scan screen.

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

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

4. If you want to select detailed scan settings, do one of the following:
   - **Windows**: Close the Scan window. Open the Scan menu at the top of the screen, select **Scan Settings Screen**, and choose **Use EPSON Scan**. Click the Scan icon. Choose the Epson Scan mode and select any displayed scan settings you want to use.
• OS X: Close the Scan window. Open the Scan menu at the top of the screen and select Displays the EPSON Scan Setup Screen. Click the Scan icon. Select any displayed scan settings you want to use and click OK.

5. If you selected detailed scan settings, click Preview. You see a preview of your scan in the Epson Scan window.

6. Click Scan. You see a preview of your scan in the Document Capture Pro (Windows) or Document Capture (OS X) window.

   **Note:** You may have to close the Epson Scan window to view your scan in the Document Capture Pro (Windows) or Document Capture (OS X) window.

7. If you would like to scan additional originals and add them to the current captured images, click the Add Page button, select Acquire from Scanner, and repeat steps 2 through 6.

8. Check the scanned images and edit them as necessary.

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 arrow next to the icons.)

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

   **Parent topic:** Starting a Scan

### Starting a Scan from a Scanning Program

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

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.

You see an Epson Scan window like this:

![Epson Scan Window](image.png)

**Note:** In certain programs, you may see the program's scan window instead of the Epson Scan window. Select scanning options as necessary.
Selecting Epson Scan Settings

After starting Epson Scan, you can select settings in various modes to customize your scan.

Scan Modes

Selecting the Scan Mode
Scanning in Full Auto Mode
Scanning in Home Mode
Scanning in Office Mode
Scanning in Professional Mode
Image Preview Guidelines
Scan Resolution Guidelines
Selecting Scan File Settings

Selecting Epson Scan Settings

Epson Scan provides a choice of scan modes with different levels of control over your settings.

Full Auto Mode
This mode automatically detects the type of content you are scanning, selects settings for it, and saves your scanned image. You can also select various image adjustment options.

Home Mode
You can select setting groups based on the type of content you are scanning. You can also select various image adjustment options, and preview and size your scanned image.

Office Mode
You can quickly scan text documents and adjust them on a preview screen. You can also select various image adjustment options and preview your scanned image.

Professional Mode
You can manually customize all available settings, and preview and size your scanned image.

Scan Modes

Parent topic: Selecting Epson Scan Settings

Related tasks
Scanning in Full Auto Mode
Scanning in Home Mode
Scanning in Office Mode
Selecting the Scan Mode

Select the Epson Scan mode you want to use from the Mode box in the upper right corner of the Epson Scan window:

Parent topic: Selecting Epson Scan Settings

Scanning in Full Auto Mode

When you scan in Full Auto Mode, Epson Scan automatically saves your scanned file in JPEG format in your operating system’s Pictures or My Pictures folder, or opens it in your scanning program. You can change the scanned file settings and select various image adjustment options before you scan, if necessary.

1. Start Epson Scan and select **Full Auto Mode** as the Mode setting.
You see this window:
2. To select image adjustment options or change your scanned file settings, click **Customize**, select the settings you want, and click **OK**.

- To choose any of the available image adjustment options, select the checkbox for the option.
- To change the scanned file settings, click **File Save Settings**.

3. Click **Scan**.

Epson Scan scans your original, and saves the file in the selected folder or opens it in your scanning program. If the file was saved directly to your computer, you see the file in the Windows Explorer or OS X Finder, where you can view and print the image, if desired.

**Available Image Adjustments - Full Auto Mode**

**Parent topic**: Selecting Epson Scan Settings
Available Image Adjustments - Full Auto Mode

You can select these image adjustment options in Epson Scan Full Auto Mode.

Dust Removal
Removes dust marks from your originals automatically.

Color Restoration
Restores the colors in faded photos automatically.

Auto Photo Orientation
Checks the preview image for faces, the sky, and other features, and then correctly rotates the photo when it is scanned, if necessary. (If your photo is not oriented correctly using this option, deselect this option and scan again.)

Parent topic: Scanning in Full Auto Mode

Scanning in Home Mode

When you scan in Home Mode, Epson Scan automatically saves your scanned file in JPEG format in your operating system's Pictures or My Pictures folder, or opens it in your scanning program. You can select settings, preview, and change the scanned file settings as necessary.

1. Start Epson Scan and select Home Mode as the Mode setting.
2. Select the **Document Type** setting that matches your original, such as **Photograph** or **Text/Line Art**.

3. Select the **Image Type** setting that matches your original.
4. Select the way you plan to use your scanned image as the Destination setting. (The Resolution setting is selected automatically based on the Destination setting you choose.)
   - **Screen/Web**: Select this option for images you will email, view on a computer screen, or post on the web.
   - **Printer**: Select this option for images you will print or documents you will convert to editable text using OCR (Optical Character Recognition) software.
   - **Other**: Select this option if you want to select a custom resolution for your image.
5. If you selected **Other** in the last step, select the Resolution setting you want to use for your scan.
6. Click the Preview button.
   
   Epson Scan previews your original and displays the result in a separate Preview window.
7. If desired, select the area in your preview image that you want to scan (scan area).
8. Select any of the image adjustment settings you want to use. Before making adjustments, click the image or scan area in the Preview window.
9. If you want to reduce or enlarge your image as you scan, select the Target Size setting you want to use.
10. Click Scan.
    
    You see the File Save Settings window.
11. Change any of the necessary file save settings and click OK.

Epson Scan scans your original, and saves the file in the selected folder or opens it in your scanning program. If the file was saved directly to your computer, you see the file in the Windows Explorer or OS X Finder, where you can view and print the image, if desired.

**Selecting a Scan Area - Home Mode**

**Available Image Adjustments - Home Mode**

**Parent topic**: Selecting Epson Scan Settings

**Related concepts**

Scan Resolution Guidelines

**Related tasks**

Selecting Scan File Settings

**Selecting a Scan Area - Home Mode**

You can select a specific area in your preview image to include in your scanned image. You can select the entire image area or a portion of it. You can even select multiple scan areas to create multiple scanned images of different areas (Normal Preview mode only).
You can also use the scan area to select specific Image Adjustments settings for a scanned image. Just be sure to click inside the scan area before selecting the settings.

1. Do one of the following to select your scan area in the Preview image:
   - **Thumbnail preview**: Your scan area is selected automatically, but you can change it. Place your cursor in one corner of the desired scan area, then click and drag the cursor to the opposite corner to create a marquee (dotted line) on the preview image.
• **Normal preview**: Click the Auto Locate icon to create a marquee (dotted line) on the preview image.

2. Do the following, as necessary, to work with the selected scan area:
   • If the marquee is correct, continue with the next step.
   • To move the marquee, click inside the scan area and drag the marquee where you want it.
   • To resize the scan area, place your cursor over the edge or corner of the marquee, then click and drag the edges where you want them. (Hold down the **Shift** key as you resize the marquee to retain the same width/height proportions.)
Normal preview: To create additional marquees (up to 50), click the Copy Marquee icon to copy the existing marquee and paste it on the preview image.

Note: If you draw multiple marquees, make sure you select the All button in the Preview window before you scan. Otherwise, only the area inside the currently selected marquee will be scanned.

To delete a marquee, click the marquee, then click the Delete Marquee icon.

Thumbnail preview: To change the preview style, click one of the Size icons.

3. Click inside the scan area and make any necessary settings in the Epson Scan window.

Parent topic: Scanning in Home Mode

Available Image Adjustments - Home Mode

You can select these Image Adjustments options in Epson Scan Home Mode.

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<tr>
<td>Image Option</td>
</tr>
<tr>
<td>Text Enhancement</td>
</tr>
<tr>
<td>Auto Area Segmentation</td>
</tr>
</tbody>
</table>

Note: Select the Image Option checkbox if you need to set any of the grayed-out image adjustments. Not all adjustment settings may be available, depending on the Document Type and Image Type setting. Click the Brightness button to access additional settings.

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.)

Color Restoration
Restores the colors in faded photos automatically.

Backlight Correction
Removes shadows from photos that have too much background light.
Dust Removal
   Removes dust marks from your originals automatically.

Text Enhancement
   Sharpens the appearance of letters in text documents.

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

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.

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

Parent topic: Scanning in Home Mode

Scanning in Office Mode

When you scan in Office Mode, Epson Scan automatically saves your scanned file in JPEG format in your operating system’s Pictures or My Pictures folder, or opens it in your scanning program. You can select settings, preview, and change the scanned file settings as necessary.

1. Start Epson Scan and select Office Mode as the Mode setting.
You see this window:

2. Select the **Image Type** setting that matches your original.
3. Select the **Document Source** setting indicating where you placed your original.
4. Select the **Size** and **Orientation** settings that match your original.
5. Select the **Resolution** setting you want to use for your scan.
6. Click the **Preview** button.
   Epson Scan previews your original and displays the result in a separate Preview window.

7. If desired, select the area in your preview image that you want to scan (scan area).

8. Select any of the image adjustment settings you want to use. Before making adjustments, click the image or scan area in the Preview window.

9. Click **Scan**.
   You see the File Save Settings window.

10. Change any of the necessary file save settings and click **OK**.
    Epson Scan scans your original, and saves the file in the selected folder or opens it in your scanning program. If the file was saved directly to your computer, you see the file in the Windows Explorer or OS X Finder, where you can view and print the image, if desired.

**Selecting a Scan Area - Office Mode**

**Available Image Adjustments - Office Mode**

**Parent topic:** Selecting Epson Scan Settings

**Related concepts**

- Scan Resolution Guidelines

**Related tasks**

- Selecting Scan File Settings

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**Selecting a Scan Area - Office Mode**

You can select a specific area in your preview image to include in your scanned image. You can select the entire image area or a portion of it. You can even select multiple scan areas to create multiple scanned images of different areas.

You can also use the scan area to select specific Image Adjustments settings for a scanned image. Just be sure to click inside the scan area before selecting the settings.
1. In the Preview window, click the Auto Locate icon to create a marquee (dotted line) on the preview image.

![Image of Preview window with marquee]

2. Do the following, as necessary, to work with the selected scan area:
   • If the marquee is correct, continue with the next step.
   • To move the marquee, click inside the scan area and drag the marquee where you want it.
• To resize the scan area, place your cursor over the edge or corner of the marquee, then click and drag the edges where you want them. (Hold down the Shift key as you resize the marquee to retain the same width/height proportions.)

• To create additional marquees (up to 50, if available), click the Copy Marquee icon to copy the existing marquee and paste it on the preview image.

  **Note:** If you draw multiple marquees, make sure you select the All button in the Preview window before you scan. Otherwise, only the area inside the currently selected marquee will be scanned.

• To delete a marquee, click the marquee, then click the Delete Marquee icon.
• To rotate your original in your scan, click one of the Rotate icons.

3. Click inside each scan area and make any necessary settings in the Epson Scan window.

**Parent topic:** Scanning in Office Mode

### Available Image Adjustments - Office Mode

You can select these Image Adjustments options in Epson Scan Office Mode. Not all adjustment settings may be available, depending on other settings you have chosen.

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</tr>
<tr>
<td>Brightness:</td>
</tr>
<tr>
<td>Contrast:</td>
</tr>
</tbody>
</table>
```

**Note:** Select the **Image Option** checkbox if you need to set any of the grayed-out image adjustments beneath the checkbox. Not all adjustment settings may be available, depending on the Image Type setting.

**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.)

Text Enhancement
Sharpens the appearance of letters in text documents.

Auto Area Segmentation
Makes grayscale 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 only available if you select an Image Type of Grayscale or Black & White.

Color Enhance
Enhances the red, green, or blue shades in the scanned image.

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.

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

Parent topic: Scanning in Office Mode

Scanning in Professional Mode
When you scan in Professional Mode, Epson Scan automatically saves your scanned file in JPEG format in your operating system's Pictures or My Pictures folder, or opens it in your scanning program. You can select settings, preview, and change the scanned file settings as necessary.

1. Start Epson Scan and select Professional Mode as the Mode setting.
You see this window:
2. Select the **Document Type** setting that matches your original, such as **Reflective** for documents or photos.
3. Select the **Document Source** setting indicating where you placed your original.
4. Select the specific type of original you are scanning as the **Auto Exposure Type** setting: **Document** or **Photo**.
5. Select the details of your original and how you want it scanned as the **Image Type** setting.
6. Select the **Resolution** setting you want to use for your scan.
7. Click the **Preview** button.
   Epson Scan previews your original and displays the result in a separate Preview window.
8. If desired, select the area in your preview image that you want to scan (scan area).
9. Select any of the image adjustment settings you want to use. Before making adjustments, click the image or scan area in the Preview window.
10. If you want to reduce or enlarge your image as you scan, select the **Target Size** setting you want to use.
11. Click **Scan**.
   You see the File Save Settings window.
12. Change any of the necessary file save settings and click **OK**.
Epson Scan scans your original, and saves the file in the selected folder or opens it in your scanning program. If the file was saved directly to your computer, you see the file in the Windows Explorer or OS X Finder, where you can view and print the image, if desired.

**Available Image Types - Professional Mode**
**Available Image Adjustments - Professional Mode**
**Selecting a Scan Size - Professional Mode**

**Parent topic:** Selecting Epson Scan Settings

**Related concepts**
**Scan Resolution Guidelines**

**Related tasks**
**Selecting Scan File Settings**

**Available Image Types - Professional Mode**
You can select these Image Type options in Epson Scan Professional Mode.
24-bit Color
Select this setting for color photos.

Color Smoothing
Select this setting for color graphic images, such as charts or graphs.

8-bit Grayscale
Select this setting for black-and-white photos with a few shades of gray.

Black & White
Select this setting for black text documents or line art.

Parent topic: Scanning in Professional Mode

Available Image Adjustments - Professional Mode
You can select these Adjustments options in Epson Scan Professional Mode. Not all adjustment settings may be available, depending on other settings you have chosen.

Click the image adjustment icon to access additional settings.
Click the + (Windows) or ▶ (OS X) icon next to a setting to change the level of adjustment.

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.)

Color Restoration
Restores the colors in faded photos automatically.

Backlight Correction
Removes shadows from photos that have too much background light.

Dust Removal
Removes dust marks from your originals automatically.

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

Color Enhance
Enhances the red, green, or blue shades in the scanned image.

Auto Exposure
Automatically adjusts the image exposure settings when you click the Auto Exposure icon. To automatically adjust image exposure settings continuously, click the Configuration button, click the Color tab, and select Continuous auto exposure. You can adjust the level of auto exposure using a slider.

Histogram Adjustment
Provides a graphical interface for adjusting highlight, shadow, and gamma levels individually. (For advanced users only.) Click the histogram icon to access the settings.

Tone Correction
Provides a graphical interface for adjusting tone levels individually. (For advanced users only.) Click the tone correction icon to access the settings.

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.

Saturation
Adjusts the density of colors in the overall image.

Color Balance
Adjusts the balance of colors in the overall image.
Color Palette
Provides a graphical interface for adjusting mid-tone levels, such as skin tones, without affecting the highlight and shadow areas of the image. (For advanced users only.) Click the Color Palette icon to access the settings.

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

Parent topic: Scanning in Professional Mode

Selecting a Scan Size - Professional Mode

You can reduce or enlarge the size of your image as you scan. You can also select a specific scan size, such as a common photo size like 4 × 6 inches (102 × 152 mm). This places a scan area of that size on the preview image so you can use it to help crop the image in the correct proportions.

1. Click the Preview button to preview your image.

2. In the Epson Scan window, select the size you want your scanned image to be from the Target Size list.

   ![Target Size](image)

   **Note:** If you need to rotate the orientation of the target size for your image, click the orientation icon.

   ![Orientation Icon](image)
A marquee (dotted line) appears on your preview image proportioned for the size you selected.

3. Do the following, as necessary, to work with the selected scan area:
   - To move the marquee, click inside the scan area and drag the marquee where you want it.
   - To resize the scan area, place your cursor over the edge or corner of the marquee, then click and drag the edge where you want it.

   **Note:** Manually adjusting the marquee will not change the target size of the scanned file. The marquee only indicates the area of the image that will be scanned.
4. To create a scanned image size that is not available in the Target Size list, click the **Customize** option.

   You see this window:

5. Name the custom size, enter the size, click **Save**, and click **OK**. Then adjust the marquee on the preview image.

   The marquee is automatically proportioned for your custom scan size.

6. To use additional sizing tools, click the + (Windows) or ▶ (OS X) icon next to the Target Size setting and select options as desired.

   ![Target Size settings](image)

   - **Scale**: Reduces or enlarges your image by the percentage you enter.
   - **Trimming**: Turns automatic image cropping on or off.
   - **Unlock icon**: Unlocks the width/height proportions of the scanned image size so you can adjust it without constraint.

**Parent topic**: Scanning in Professional Mode

### Image Preview Guidelines

You can preview your scanned image so you can adjust the scan settings using the preview as a guide. There are two types of preview available, depending on the scan mode and selected settings:

**Thumbnail preview**

A thumbnail preview displays your previewed images as thumbnails with the scanned image area and exposure automatically selected.

**Normal preview**

A normal preview displays your previewed images in their entirety so you can select the scanned image area and other settings manually.

**Parent topic**: Selecting Epson Scan Settings
Scan Resolution Guidelines

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

• You will enlarge the image as you scan it.
  
  If you will enlarge the image using Epson Scan’s Target Size setting, you do not need to increase the Resolution setting.

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

• You will scan the image at 100% or smaller size.
  
  Select Epson Scan’s Resolution setting based on how you will use the scanned image:
  • Email/view on a computer screen/post on the web: 96 to 150 dpi
  • Print/convert to editable text (OCR): 300 dpi
  • Fax: 200 dpi

Parent topic: Selecting Epson Scan Settings

Related topics
Selecting Epson Scan Settings
Selecting Scan File Settings

You can select the location, name, and format of your scan file on the File Save Settings window. You can also select various optional settings that control how Epson Scan behaves when you scan and save files.

The File Save Settings window may appear after you click Scan on the Epson Scan window. You may also be able to access the window by clicking the icon on the Epson Scan window.

1. Do one of the following to select the folder in which you want to save your scanned image:
   - Click the button for one of the displayed folders.
• Click the **Other** button, click the **Browse** or **Choose** button, and select a folder.

2. Type in a file name in the **Prefix** field. This name is used along with numbers to automatically name your scanned files.

3. Select a different number as the **Start Number** setting, if you like.

4. Select the file format you want to use in the **Image Format Type** menu.

5. If your file format provides optional settings, click the **Options** button to select them.

6. Choose any of the optional settings you want to use by selecting their checkboxes.

7. Click **OK**.

**Available Scanned File Types and Optional Settings**

**Parent topic:** Selecting Epson Scan Settings

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**Available Scanned File Types and Optional Settings**

You can select from a variety of scanned file types and optional settings on the File Save Settings window in Epson Scan.

**File Formats**

**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.)

**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 OS X systems using Adobe Reader, Acrobat, or other programs. You can save multi-page documents in one PDF file.

**PICT (*.pct)**

A standard image file format for most OS X programs.

**PRINT Image Matching II (*.jpg or *.tif)**

File formats that include Epson PRINT Image Matching II data for enhanced quality and a wider color range (does not affect the way the image displays on the screen).
**TIFF (*.tif)**
A file format created for exchanging data between many programs, such as graphic and DTP software.

**Optional Settings**

**Overwrite any files with the same name**
Select to overwrite previous files with the same names.

**Show this dialog box before next scan**
Select to have the File Save Settings window appear automatically before you scan (in certain Epson Scan modes).

**Open image folder after scanning**
Select to have Windows Explorer or OS X Finder automatically open to the folder where your scanned image is saved after scanning.

**Show Add Page dialog after scanning**
If you are scanning a multi-page document using the PDF or Multi-TIFF format, select to display a prompt for scanning additional pages after the first page is scanned.

**Parent topic:** Selecting Scan File Settings

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

- Scanning to Online Destinations Using Easy Photo Scan
- Restoring Photo Colors as You Scan
- Scanning to a SharePoint Server or Cloud Service
- Scanning Multi-Page Originals as Separate Files - Windows
- Scanning Two Originals onto One Sheet (Stitching Images) (Windows)
- Scanning to a PDF File Using a Scanner Button
- Using the Scanner as a Copier - Copy Utility

**Parent topic:** Scanning

---

**Scanning to Online Destinations Using Easy Photo Scan**
You can scan documents or photos and upload them to Facebook and other online destinations, such as photo-sharing sites, web servers, or network folders using Easy Photo Scan.

- Scanning Using Easy Photo Scan
Scanning Using Easy Photo Scan

You can use Easy Photo Scan to easily scan your originals, edit the scanned images, and upload them to Facebook or other online destinations.

**Note:** With OS X, in addition to scanning with Image Capture, you can download and install Epson Scan scanning software. Epson Scan provides additional image adjustment and photo correction features for enhancing scanned images, and provides an interface for TWAIN-compliant OCR scanning software. To download Epson Scan, visit Epson's driver download site (U.S. downloads or Canadian downloads).

1. Place your original on your product for scanning.
2. Do one of the following to open Easy Photo Scan:
   - **Windows 8.x:** Navigate to the Apps screen and select Easy Photo Scan. Select your product and click OK, if necessary.
   - **Windows (other versions):** Click ☰ or Start, and select All Programs or Programs. Select Epson Software and click Easy Photo Scan. Select your product and click OK, if necessary.
   - **OS X:** Open the Applications folder, click Epson Software, and click Easy Photo Scan. Select your product and click OK, if necessary.
   - Press the send button on the scanner.
You see a window like this:

3. Click the **Scan** icon.
   Your scanning program launches.
4. Click **Scan** in the window that appears to scan your original.
   The scanned image is displayed in the Easy Photo Scan window with an automatically generated name.

   **Note:** You may need to click the **Close** button to display Easy Photo Scan.

5. To edit the name of the file, select the image thumbnail at the bottom of the screen, click the **Edit** icon, and enter the new filename.
6. To edit the scanned image, click the **Edit** icon and select one of the displayed options.

   **Note:** See the Easy Photo Scan help for additional information on image editing options.

7. Repeat these steps for each image you want to upload.
8. When you finish scanning, click one of the destination icons to upload the images.

![Image of destination icons]

**Note:** You may need to click the arrow next to the icons in order to see all of them. The available icons may vary, depending on the software version you are using.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related tasks**
- Uploading Scanned Images to Facebook
- Uploading Scanned Images to Picasa
- Uploading Scanned Images to Evernote
- Uploading Scanned Images to SugarSync
- Uploading Scanned Images to a Web Folder
- Uploading Scanned Images to Email
- Saving Scanned Images to a Folder

**Uploading Scanned Images to Facebook**

You can configure a Facebook account for use with Easy Photo Scan and upload your scanned images to it.

1. Scan your original using Easy Photo Scan.
2. Click the icon.
You see a window like this:

![Transfer Settings window]

**Note:** If you have already configured a Facebook account in Easy Photo Scan, you can select the **Setting Name** or **Destination Name** for the account, click **Login** if necessary, and click **Send** to upload your images.

3. Click **Login**.
4. On the Application Authentication screen, log in to your Facebook account.

**Note:** To enable automatic image uploading, select the option for staying logged in.
5. Select an album from the Album list.

   **Note:** If you cannot select an album, make sure the Setting Name is set to *(No Selection)*, click Login to log in to your Facebook account, and try again. If you want to create a new album, you must create it directly in Facebook.

6. Select the image format for the uploaded files from the File or File Type list.

7. If there are options for the selected file format, click Options or Option and select the options you want.

8. If you also want to save the images to a local folder, select the Copy the image(s) to a local folder checkbox and select a folder.

9. If you want to save the current settings, click Edit, or the Setting Name or Destination Name field, and select Save As. Enter a name for the setting and click OK.

10. Click Send to upload the images to your Facebook account, or click Cancel to cancel the operation.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related references**

Epson JPEG File Settings

**Related tasks**

Scanning Using Easy Photo Scan

**Uploading Scanned Images to Picasa**

You can configure a Picasa account for use with Easy Photo Scan and upload your scanned images.

1. Scan your original using Easy Photo Scan.

2. Click the icon.
You see a window like this:

![Transfer Settings window](image)

**Note:** If you have already configured a Picasa account in Easy Photo Scan, you can select the **Setting Name** or **Destination Name** for the account, click **Login** if necessary, and click **Send** to upload your images.

3. Click **Login**.
4. On the Application Authentication screen, log into your Google account.
5. Click **Accept** to allow Easy Photo Scan to upload images to your account. An authentication code is generated.
6. Copy the authentication code into the **Please enter authentication code** field and click **OK**.
7. Select an album from the **Album** list.

   **Note:** If you cannot select an album, make sure the Setting Name is set to *(No Selection)*, click the Login button to log into your Picasa account, and try again. If you want to create a new album, you must create it directly in Picasa.

8. Select an **Image Size** option for the uploaded images.

9. Select the image format for the uploaded files from the **File** or **File Type** list.

10. If there are options for the selected file format, click **Options** or **Option** and select the options you want.

11. If you also want to save the images to a local folder, select the **Copy the image(s) to a local folder** checkbox and select a folder.

12. If you want to save the current settings, click **Edit**, or the **Setting Name** or **Destination Name** field, and select **Save As**. Enter a name for the setting and click **OK**.

13. Click **Send** to upload the images to your Picasa account, or click **Cancel** to cancel the operation.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related references**

Epson JPEG File Settings

**Related tasks**

Scanning Using Easy Photo Scan

**Uploading Scanned Images to Evernote**

You can configure an Evernote account for use with Easy Photo Scan and upload your scanned images to it (Windows only).

   **Note:** You must install Evernote before you can use it with Easy Photo Scan.

1. Scan your original using Easy Photo Scan.

2. Click the icon.
You see a window like this:

![Transfer Settings window](image)

**Note:** If you have already configured an Evernote account in Easy Photo Scan, you can select the **Setting Name** or **Destination Name** for the account and click **Send** to upload your images.

3. Select a notebook from the **Notebook** list.

   **Note:** If you want to create a new notebook, you must create it directly in Evernote.

4. Select the image format for the uploaded files from the **File** or **File Type** list.

5. If there are options for the selected file format, click **Options** or **Option** and select the options you want.

6. If you also want to save the images to a local folder, select the **Copy the image(s) to a local folder** checkbox and select a folder.
7. If you want to save the current settings, click **Edit**, or the **Setting Name** or **Destination Name** field, and select **Save As**. Enter a name for the setting and click **OK**.

8. Click **Send** to upload the images to your Evernote account, or click **Cancel** to cancel the operation.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related references**
- Epson JPEG File Settings

**Related tasks**
- Scanning Using Easy Photo Scan

**Uploading Scanned Images to SugarSync**

You can configure a SugarSync account for use with Easy Photo Scan and upload your scanned images.

1. Scan your original using Easy Photo Scan.

2. Click the icon.
You see a window like this:

![Transfer Settings window](image)

**Note:** If you have already configured a SugarSync account in Easy Photo Scan, you can select the **Setting Name** or **Destination Name** for the account and click **Send** to upload your images.

3. Enter the account information in the **E-Mail Address** and **Password** fields.

4. Select a **Place** option for the uploaded images.

   **Note:** In SugarSync, the Magic Briefcase is now called "My SugarSync". Uploads to the Magic Briefcase appear in the My SugarSync folder.

5. Enter a folder name in the **Folder** field.
   
   If you enter the name of an existing folder, the images are uploaded to that folder. If the folder does not exist, a new folder with that name is created.
6. If you want to replace existing files with the same name with the uploaded images, click the **Overwrite file(s) with the same name** checkbox.

7. Click **Check Connection** to test whether the SugarSync account information is correct.

8. Select the image format for the uploaded files from the **File** or **File Type** list.

9. If there are options for the selected file format, click **Options** or **Option** and select the options you want.

10. If you also want to save the images to a local folder, select the **Copy the image(s) to a local folder** checkbox and select a folder.

11. If you want to save the current settings, click **Edit**, or the **Setting Name** or **Destination Name** field, and select **Save As**. Enter a name for the setting and click **OK**.

12. Click **Send** to upload the images to your SugarSync account, or click **Cancel** to cancel the operation.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related references**

- Epson JPEG File Settings
- Epson TIFF and Multi-TIFF File Settings

**Related tasks**

- Scanning Using Easy Photo Scan

**Uploading Scanned Images to a Web Folder**

You can upload your scanned images to a Web Folder (WebDAV) using Easy Photo Scan.

1. Scan your original using Easy Photo Scan.

2. Click the 🌐 icon.
You see a window like this:

![Transfer Settings window](image)

**Note:** If you have already configured a Web Folder account in Easy Photo Scan, you can select the **Setting Name** or **Destination Name** for the account and click **Send** to upload your pictures.

3. Enter the Web Folder URL in the **Address** field.
4. Enter the login information in the **User Name** and **Password** fields.
5. If you want to replace existing files with the same name with the uploaded images, click the **Overwrite file(s) with the same name** checkbox.
6. Click **Check Connection** to test whether the account information is correct.
7. Select the image format for the uploaded files from the **File** or **File Type** list.
8. If there are options for the selected file format, click **Options** or **Option** and select the options you want.
9. If you also want to save the images to a local folder, select the **Copy the image(s) to a local folder** checkbox and select a folder.

10. If you want to save the current settings, click **Edit**, or the **Setting Name** or **Destination Name** field, and select **Save As**. Enter a name for the setting and click **OK**.

11. Click **Send** to upload the images to your Web Folder, or click **Cancel** to cancel the operation.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related references**
- Epson JPEG File Settings
- Epson TIFF and Multi-TIFF File Settings

**Related tasks**
- Scanning Using Easy Photo Scan

**Uploading Scanned Images to Email**

You can save your scanned images to a local network folder and send them by email using Easy Photo Scan.

**Note:** With Windows, Easy Photo Scan supports Microsoft Outlook 2000/2002/2003/2007/2010 (x86)/2013 (x86) and Windows Mail/Windows Live Mail. If you do not have one of these email applications, Easy Photo Scan saves the images, but the email application does not open.

1. Scan your original using Easy Photo Scan.

2. Click the icon.

   You see a window like this:
Note: With OS X, you also enter an email address and email text in the window. If you have already configured email settings in Easy Photo Scan, you can select them using the Destination Name field.

3. Select the image format for the saved files from the File or File Type list.

4. If there are options for the selected file format, click Options or Option and select the options you want.

5. Do one of the following:
   • **Windows**: Click Browse to choose the folder where you want to save the images. Then click OK to save the images to the folder and launch your email program, or click Cancel to cancel the operation.
   • **OS X**: If you also want to save the images to a local folder, select the Copy the image(s) to a local folder checkbox and select a folder. Then click Send, or click Cancel to cancel the operation.

Parent topic: Scanning to Online Destinations Using Easy Photo Scan

Related references
- Epson JPEG File Settings
- Epson TIFF and Multi-TIFF File Settings

Related tasks
- Scanning Using Easy Photo Scan

Saving Scanned Images to a Folder

You can save your scanned images to a local network folder using Easy Photo Scan.

1. Scan your original using Easy Photo Scan.

2. Click the icon.
You see a window like this:

3. Select the image format for the saved files from the **File** or **File Type** list.
4. If there are options for the selected file format, click **Options** and select the options you want.
5. Click **Browse** or the **Save in** field to choose the folder where you want to save the images.
6. Click **OK** to save the images to the folder, or click **Cancel** to cancel the operation.

**Parent topic:** Scanning to Online Destinations Using Easy Photo Scan

**Related references**
- Epson JPEG File Settings
- Epson TIFF and Multi-TIFF File Settings

**Related tasks**
- Scanning Using Easy Photo Scan

**Epson JPEG File Settings**
You can select from the following settings in the JPEG settings window in Easy Photo Scan.
Note: The available settings may vary, depending on the operating system you are using.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Quality Options</td>
<td>Specifies the compression level. The file size increases with higher quality.</td>
</tr>
<tr>
<td>Encoding</td>
<td>Specifies the encoding method.</td>
</tr>
<tr>
<td>Standard</td>
<td>Images are rendered from the top to the bottom when displayed on a web browser.</td>
</tr>
<tr>
<td>Progressive</td>
<td>Images are rendered in low resolution in a web browser, then replaced with a higher resolution.</td>
</tr>
<tr>
<td>Embed ICC Profile</td>
<td>Allows the ICC profile (information on color reproducibility of scanned image) to be embedded in the image. Programs that use color management software will display the colors of the image using the ICC profile.</td>
</tr>
</tbody>
</table>

Parent topic: Scanning to Online Destinations Using Easy Photo Scan

Epson TIFF and Multi-TIFF File Settings

You can select from the following settings in the TIFF settings window in Easy Photo Scan.
**Note:** The available settings may vary, depending on the operating system you are using.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Byte Order</td>
<td>Specifies the operating system where the scanned image will be used.</td>
</tr>
<tr>
<td>Compression</td>
<td>Specifies the compression format and level for Color/Grayscale and B&amp;W images. The file size increases with higher quality.</td>
</tr>
<tr>
<td>Embed ICC Profile</td>
<td>Allows the ICC profile (information on color reproducibility of scanned image) to be embedded in the image. Programs that use color management software will display the colors of the image using the ICC profile.</td>
</tr>
</tbody>
</table>

**Parent topic:** [Scanning to Online Destinations Using Easy Photo Scan](#)

**Restoring Photo Colors as You Scan**

You can restore the colors in faded photos as you scan them using Epson Scan’s Color Restoration setting. You can select this setting in any of the available scan modes.
Note: Color restoration is not available in Office Mode, if Epson Scan offers that mode.

1. Place your original on your product for scanning.
2. Start Epson Scan.
3. Select the scan mode you want to use.
4. Select the scan settings for your scan.
5. Preview your image.
6. Locate or access the image adjustment settings.
7. Select the **Color Restoration** checkbox.

8. When you finish selecting all your settings, click **Scan**.
9. Click **Close** to exit the Epson Scan window, if necessary.

Epson Scan scans your original, and saves the color-restored file in the selected folder or opens it in your scanning program. If the file was saved directly to your computer, you see the file in the Windows Explorer or OS X Finder, where you can view and print the image, if desired.

**Parent topic:** Scanning Special Projects

### Scanning to a SharePoint Server or Cloud Service

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

1. Do one of the following to start Document Capture Pro (Windows) or Document Capture (OS X):
   - **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**, then select **Document Capture Pro**.
   - **OS X**: Open the **Applications** folder, select the **Epson Software** folder, and select **Document Capture**.
You see a window like this:

2. Click the **Scan** icon.
3. Select any displayed scan settings you want to use.

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

4. Click **Scan**.
   
   You see a preview of your scan in the Document Capture Pro or Document Capture window.

5. Click one of the cloud service Destination icons to choose where to save your scanned file. (If you cannot see all of the icons below, the service software may not be installed, or you need to click the arrow next to the icons.)
   
   - ![Web Folder (WebDAV)]
   
   - ![Microsoft SharePoint server (Windows only)]
   
   - ![Evernote]
• Microsoft OneNote
• Google Drive
• SugarSync

You see the Transfer Settings window.

6. Enter any required information to set up the destination. If you have previously created a saved setting for the destination, select it from the drop-down list.

7. Adjust any save settings, then click OK, Send, or Print, depending on the destination.

Your originals are scanned and uploaded to the indicated server.

Parent topic: Scanning Special Projects

Scanning Multi-Page Originals as Separate Files - Windows

You can use Document Capture Pro (Windows only) to scan multi-page originals as separate scanned files. You indicate where you want the new scanned files to start by inserting a blank page or barcode between the pages of your original.

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 a multi-page original with blank pages or barcodes inserted where you want to start a new scanned file.

2. Do one of the following to start 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, then select Document Capture Pro.
You see this window:

3. Click the **Scan** icon.
4. Select any displayed scan settings you want to use.

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

5. Click **Scan**.
   You see a preview of your scan in the Document Capture Pro window.
6. 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.)

7. Click **File Name & Separation Settings**.
8. Select **Apply Job Separation** and click **Separation Settings**.
9. Select the method you used to separate the originals, select a folder name specification, and click OK.

10. Select any additional settings and click OK or Send.

Your originals are saved into separate files as specified.

Parent topic: Scanning Special Projects

Scanning Two Originals onto One Sheet (Stitching Images) (Windows)

You can scan both sides of a double-sided or folded original with ArcSoft Scan-n-Stitch Deluxe (Perfection V39).

1. Do one of the following to start ArcSoft Scan-n-Stitch Deluxe:
   - **Windows 8.x**: Navigate to the Apps screen and select Scan-n-Stitch.
   - **Windows (other versions)**: Click or Start, and select All Programs or Programs. Select ArcSoft Scan-n-Stitch Deluxe, then select Scan-n-Stitch Deluxe.

   You see a window like this:

   ![Scan-n-Stitch Deluxe window](image)

   2. Follow the instructions on the screen to scan your images and stitch them together.

   Parent topic: Scanning Special Projects
Scanning to a PDF File Using a Scanner Button

You can scan to a PDF (Portable Document Format) file by pressing the PDF button on your scanner. You can select the following options as you scan to PDF:

- Scan multiple pages to one PDF file
- Scan multiple pages to multiple PDF files
- Create a searchable PDF file

1. Place your original on your product for scanning.
2. Press the PDF button on your scanner.

   You see this window:

   ![Scan to PDF window]

3. Click **Settings**.
You see this window:

4. Select the **Image Type** setting for the type of original you are scanning.
5. Select the **Size**, **Orientation**, and **Resolution** settings for your scan.
6. Select any of the available Image Adjustments settings.
7. Click **File save settings**.
8. To change any of the displayed PDF Image Format settings, click the **Options** button.
You see this window:

9. Select one of the following options on the General tab to indicate the number of PDF files you want to create:
   • To create one PDF file of all the scanned pages, select **Create file with all pages**.
   • To create multiple PDF files of groups of scanned pages, select **Select number to make file**.
     Enter the number of pages you want in each file in the number field. For example, with a 20-page original, enter 4 to create 5 PDF files of 4 pages each.

   **Note:** To create a searchable PDF file, select the Text tab and select **Create searchable PDF**, then select the language of the original document.
10. Click **OK**.
11. Click **Close** to close the Scan to PDF Settings window.
12. Click the large **Scan** button.
   Epson Scan scans your page.
13. Choose one of the following options on the screen:
   - If you are scanning only one page, click **Finish**.
   - If you need to scan additional pages in a document, place additional pages on the product for scanning, click **Scan**, and repeat until you have scanned all the pages. When you are finished, click **Finish**.

   Epson Scan saves the files in the selected folder.

**Available Image Adjustments - Scan to PDF Settings**

You can select these Adjustments options in the Scan to PDF Settings window.

**Note:** Not all adjustment settings may be available, depending on the Image Type setting.

Select the **Image Option** checkbox to access additional settings.

**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.)

**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.

**Text Enhancement**
   Sharpens the appearance of letters in text documents.

**Auto Area Segmentation**
   Makes grayscale 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 only available if you select an Image Type of Grayscale or Black & White.

Color Enhance
Enhances the red, green, or blue shades in 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.

Parent topic: Scanning to a PDF File Using a Scanner Button

Using the Scanner as a Copier - Copy Utility
You can use your scanner along with a printer connected to your computer just like you would use a copy machine. Using the Copy Utility, you can enlarge or reduce, restore faded colors, and adjust a variety of other settings as you copy.

1. Do one of the following to start Copy Utility:
   • **Windows 8.x**: Navigate to the Apps screen and select **Copy Utility**.
   • **Windows (other versions)**: Click 📚 or Start, and select All Programs or Programs. Select EPSON Software, then select **Copy Utility**.
   • **OS X**: Open the Applications folder, select the Epson Software folder, and select **Copy Utility**.
   • Press the 📒 copy button on the scanner.
You see a window like this:

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

![EPSON Scan window](image)

**Note**: If you started the scan from a scanner button, the Epson Scan window opens automatically. If you have previously used Epson Scan, it may start in a different mode.

3. Select any scan settings you want to use.

   **Note**: See the Help information in Epson Scan for details.
4. Click **Scan**.
   You see a thumbnail of your scan in the Copy Utility window. You may need to click **Close** on the Epson Scan window to display the thumbnail.

5. If you would like to scan additional originals and add them to the current captured images, click **Scan** again.

6. Rotate the images if necessary by selecting the thumbnail and clicking the rotate buttons at the bottom of the window.

7. Select the image(s) you want to print and click the **Print** button.

8. Choose a printer from the drop-down list and select settings. Click **Printer Settings** to select specific printer settings.

   **Note:** See the Help information in Copy Utility for details.

9. Click **Print** to print your selected images.

**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
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 case. Do not press the surface of the scanner glass with any force and be careful not to scratch or damage the scanner glass. A damaged glass surface can decrease the scan quality.

1. Disconnect the USB cable.
2. Clean the outer case with a cloth dampened with mild detergent and water.
3. If the scanner glass gets dirty, clean it with a soft dry cloth. If the glass surface is stained with grease or some other hard-to-remove material, use a small amount of glass cleaner on a soft cloth to remove it. Wipe off all remaining liquid.

**Note:** Do not spray glass cleaner directly on the scanner glass. Make sure that no dust builds up on the surface of the scanner glass. Dust can cause spots in your scanned images.

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. Make sure the carriage is in the home position on the upper side of the scanner. If the carriage is not in the home position, turn on the scanner and wait until the carriage moves to the home position.

![Image of scanner with carriage in home position]

2. Disconnect the USB cable.

3. Place the scanner in its original packing materials if possible, or use equivalent materials with cushioning around the scanner.

   **Caution:** Avoid turning the scanner upside down when transporting.

**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 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 the status light.

<table>
<thead>
<tr>
<th>Light</th>
<th>The status light</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Light status</td>
<td>Condition/solution</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>On</td>
<td>The scanner is turned on and ready to scan.</td>
</tr>
<tr>
<td>Flashing (1 second intervals)</td>
<td>The scanner is scanning or initializing. Wait for the status light to stop flashing before turning off the scanner.</td>
</tr>
<tr>
<td>Flashing rapidly (0.5 second intervals)</td>
<td>An error has occurred. Try the following:</td>
</tr>
<tr>
<td></td>
<td>• Check the scanner connection to your computer to make sure it is secure.</td>
</tr>
<tr>
<td></td>
<td>• Make sure your scanning software is installed correctly.</td>
</tr>
<tr>
<td></td>
<td>• If the status light is still flashing, turn off the scanner, then turn it on again. If the error continues, the scanner may be malfunctioning. Contact Epson for support.</td>
</tr>
<tr>
<td>Off</td>
<td>The scanner is turned off.</td>
</tr>
</tbody>
</table>

Parent topic: Solving Problems

Solving Scanning Problems

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

Scanner Does Not Turn On or Turns Off Unexpectedly

Scanner Buttons Do Not Work as Expected

Scanning Software Does Not Operate Correctly

Cannot Start Epson Scan

Scanning is Slow

Cannot Scan Using Thumbnail Preview

Parent topic: Solving Problems

Scanner Does Not Turn On or Turns Off Unexpectedly

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

• Make sure the USB cable is securely connected to the computer.

• Connect the scanner directly to the computer. The scanner may not work properly when connected through a USB hub.

• Use the USB cable that came with the scanner.

• Wait a few seconds for the scanner to turn on and the status light to stop blinking.
• If you are using OS X and have another scanner connected to your computer (including an all-in-one product), the scanner will not power up automatically. Start Epson Scan to turn on the scanner.

Parent topic: Solving Scanning Problems
Related tasks
Starting a Scan Using the Epson Scan Icon
Uninstalling Scanner Software - Windows
Uninstalling Scanner Software - OS X

Scanner Buttons Do Not Work as Expected
If the scanner buttons do not start the correct program or perform the correct action, try these solutions:
• Make sure Epson Scan is installed correctly. If necessary, uninstall and reinstall it.
• Check the default settings assigned to the scanner buttons in Event Manager and change them, if necessary.
• With Windows Vista or Windows XP, check the settings in your scanner's Properties window:
  • **Windows Vista**: Open the menu and select **Control Panel** > **Hardware and Sound** > **Scanners and Cameras**. Select the scanner and click **Properties**.
  • **Windows XP**: Double-click **My Computer**, right-click the scanner name, and select **Properties**.

  Click the **Events** tab and make sure **Take no action** is not selected. Also make sure the scanner buttons are selected in the **Select an event** list box and that **Start this program** is selected.

Parent topic: Solving Scanning Problems
Related tasks
Changing Default Scan Button Settings
Uninstalling Scanner Software - Windows
Uninstalling Scanner Software - OS X

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.
• 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.

Parent topic: Solving Scanning Problems

Cannot Start Epson Scan

If you cannot start Epson Scan, try these solutions:
• Make sure your scanner is turned on and any interface cables are securely connected at both ends.
• Make sure Epson Scan is selected in your scanning program.
• Make sure your computer is not running in a power-saving mode, such as sleep or standby. If so, wake your system and restart Epson Scan.
• If you connected the scanner using a USB cable, make sure it is connected directly to your computer or through only one USB hub.
• Make sure you do not have multiple versions of Epson Scan installed. If you do, uninstall both versions and install one version.
• If you upgraded your operating system but did not reinstall Epson Scan, 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.

Parent topic: Solving Scanning Problems

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.

Parent topic: Solving Scanning Problems
Cannot Scan Using Thumbnail Preview

If you cannot scan using the thumbnail preview in Epson Scan, check the following:

• Make sure you are using Home Mode or Professional Mode.
• If you are using Home Mode, the **Document Type** must be set to **Photograph**.

**Parent topic:** Solving Scanning Problems

**Related tasks**

- Scanning in Home Mode
- Scanning in Professional Mode

Solving Scanned Image Quality Problems

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

- Image Consists of a Few Dots Only
- Line of Dots Appears in All Scanned Images
- Straight Lines in an Image Appear Crooked
- Image is Distorted or Blurry
- Image Colors are Patchy at the Edges
- Image is Too Dark
- Back of Original Image Appears in Scanned Image
- Ripple Patterns Appear in an Image
- Image is Scanned Upside-Down
- Scanned Image Colors Do Not Match Original Colors
- Scan Area is Not Adjustable in Thumbnail Preview
- Scanned Image Edges are Cropped
- Characters are not Recognized During Conversion to Editable Text (OCR)

**Parent topic:** Solving Problems

Image Consists of a Few Dots Only

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

• Make sure you placed your original for scanning facing the correct way.
• If you are scanning using the Epson Scan **Black & White** setting, adjust the **Threshold** setting and scan again.
Line of Dots Appears in All Scanned Images

If a line of dots appears in all your scanned images, clean the scanner glass with a soft, dry, lint-free cloth or use a small amount of glass cleaner on the cloth, if necessary. Paper towels are not recommended.

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

Image Colors are Patchy at the Edges

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

Parent topic: Solving Scanned Image Quality Problems
Image is Too Dark

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

- Adjust these Epson Scan settings (if available) and try scanning again:
  - Auto Exposure
  - Brightness
  - Histogram Adjustment
- Click Customize, then select the Color tab and adjust these Epson Scan settings (if available)
  - Display Gamma
  - Continuous Auto Exposure
- Click Recommended Value to return the Auto Exposure Level setting to its default value.
- Check the brightness and contrast settings of your computer monitor.

Parent topic: Solving Scanned Image Quality Problems

Back of Original Image Appears in Scanned Image

If an image from the back of a thin original appears in your scanned image, place a piece of black paper on the back of the original and scan it again.

Parent topic: Solving Scanned Image Quality Problems

Ripple Patterns Appear in an Image

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

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

Parent topic: Solving Scanned Image Quality Problems

Image is Scanned Upside-Down

Your product scans using the Auto Photo Orientation setting. This setting checks the preview image for faces, the sky, and other features, and then correctly rotates the photo when it is scanned, if necessary. If your photo is not oriented correctly using this option, deselect the Auto Photo Orientation setting and scan again.
Note: Auto Photo Orientation will not work when you scan newspapers, magazines, documents, illustrations, or line art, or images smaller than 2 inches (5.1 cm) on any side.

Parent topic: Solving Scanned Image Quality Problems

Scanned Image Colors Do Not Match Original Colors

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

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

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

- Change the Image Type setting and experiment with different combinations of the next settings.
- Adjust the Tone Correction setting.
- Adjust the Auto Exposure setting.
- Click Customize, then select the Color tab and adjust the Display Gamma setting to match your output device (monitor or printer).
- Select JPEG (*.jpg) or TIFF (*.tif) as the Type setting on the File Save Settings window. Click Options and select Embed ICC Profile.

Parent topic: Solving Scanned Image Quality Problems

Related tasks
Selecting Scan File Settings

Scan Area is Not Adjustable in Thumbnail Preview

If you cannot adjust the scan area while viewing a Thumbnail preview in Epson Scan, try these solutions:

- Create a scan area by drawing a marquee on your preview image and adjusting it as necessary.
- Adjust the thumbnail cropping area using the Thumbnail Cropping Area slider in preview mode.
- Switch to Normal preview mode, if available, and preview your image again.

Parent topic: Solving Scanned Image Quality Problems
Scanned Image Edges are Cropped
If the edges of a scanned image are cropped, make sure your original is placed correctly for scanning. If necessary, move your original away from the edges of the scanner glass slightly.

Parent topic: Solving Scanned Image Quality Problems
Related tasks
Placing Originals on the Scanner Glass
Placing Originals While Using the Scanner Stand

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 straight.
• Adjust these Epson Scan settings (if available) and try scanning again:
  • Select Text Enhancement
  • Select the correct Image Type setting
  • Adjust the Threshold setting
• Set the scanning resolution between 200 and 600 dpi.
• If you are using OCR software, check the manual for any additional adjustments.

Parent topic: Solving Scanned Image Quality Problems

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 - OS X

Parent topic: Solving Problems

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

1. Turn off the scanner.
2. Disconnect any interface cables.
3. Do the following to uninstall each of your scanning software programs, then follow any on-screen instructions:
   • **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 or Windows Vista**: 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.
   • **Windows XP**: Open the Windows Control Panel utility. Double-click Add or Remove Programs. Select the scanner software program and click Change/Remove.

4. 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 - OS X

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.

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

1. To download the Uninstaller utility, visit the Epson download site (U.S. downloads or Canadian downloads).
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.

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.) or epson.ca/support (Canada) for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or email Epson with your questions.

Speak to a Support Representative
Before you call Epson for support, please have the following information ready:

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

Then call:

• U.S.: (562) 276-4382, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday
• Canada: (905) 709-3839, 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday

Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

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) or epson.ca (Canadian sales). You can also purchase accessories from an Epson authorized reseller. To find the nearest one, call 800-GO-EPSON (800-463-7766).

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 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
- USB Interface Specifications
- Safety and Approvals Specifications

## Windows System Requirements

Make sure your system meets these requirements before using it with your scanner.

**System**

Microsoft Windows 8.x, Windows 7, Windows Vista, Windows XP

Service Pack 2 or later

**Interface**

USB 2.0 (Type-B standard connector)

## Mac System Requirements

Make sure your system meets these requirements before using it with your scanner.

**System**

OS X 10.10.x, 10.9.x, 10.8.x, 10.7.x, 10.6.x

(Fast user switching on OS X is not supported.)

**Interface**

Macintosh USB

**Note:** Epson Scan does not support the UNIX File System (UFS) for OS X. Install Epson Scan on a disk or in a partition that does not use UFS.
General Specifications

Scanner type Flatbed, color
Photoelectric device CIS
Effective pixels 40800 × 56160 pixels at 4800 dpi
Scanning area may be restricted if resolution setting is large.
Document size Maximum: 8.5 × 11.7 inches (216 × 297 mm); US letter or A4
Scanning resolution 4800 dpi (main scan)
4800 dpi (sub scan)
Output resolution 50 to 4800, 7200, and 9600 dpi
(50 to 4800 dpi in 1 dpi increments)
Image data 16 bits per pixel per color internal
8 bits per pixel per color external
Interface One Hi-Speed USB port
Light source LED

Dimension Specifications

Height 1.6 inches (39 mm)
Width 9.9 inches (249 mm)
Depth 14.4 inches (364 mm)
Weight 3.4 lb (1.5 kg)

Electrical Specifications

Note: Check the label on the scanner for voltage information.
Power supply
Rated input voltage
Rated input current
Power consumption

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>USB bus power</td>
</tr>
<tr>
<td>Rated input voltage</td>
<td>DC 5 V</td>
</tr>
<tr>
<td>Rated input current</td>
<td>500 mA</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Operating: 2.5 W</td>
</tr>
<tr>
<td></td>
<td>Ready mode: 1.1 W</td>
</tr>
<tr>
<td></td>
<td>Power off mode: 0.0125 W</td>
</tr>
</tbody>
</table>

Parent topic: Technical Specifications

Environmental Specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>Operating: 50 to 95 °F (10 to 35 °C)</td>
</tr>
<tr>
<td></td>
<td>Storage: –4 to 140 °F (–20 to 60 °C)</td>
</tr>
<tr>
<td>Humidity (non-condensing)</td>
<td>Operating: 20 to 80% RH</td>
</tr>
<tr>
<td></td>
<td>Storage: 20 to 80% RH</td>
</tr>
<tr>
<td>Operating conditions</td>
<td>Ordinary office or home conditions</td>
</tr>
</tbody>
</table>

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

Parent topic: Technical Specifications

USB Interface Specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface type</td>
<td>Universal Serial Bus Specifications Revision 2.0</td>
</tr>
<tr>
<td>Electrical standard</td>
<td>Full Speed mode (12 Mbits per second) and Hi-Speed mode (480 Mbits per second) of Universal Serial Bus Specifications Revision 2.0</td>
</tr>
<tr>
<td>Connector type</td>
<td>One Micro-B port</td>
</tr>
</tbody>
</table>

Parent topic: Technical Specifications
Safety and Approvals Specifications

United States  EMC: FCC part 15 Subpart B class B
Canada  EMC: CAN/CSA-CEI/IEC CISPR 22 Class B

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](#) for information on how to return your Epson products for proper disposal.

**Important Safety Instructions**

Default Delay Times for Power Management for Epson Products

Restrictions on Copying

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.
- After replacing consumable parts, dispose of them correctly following the rules of your local authority. Do not disassemble them.
- 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.
Warning: The cords included with this product contain chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling. (This notice is provided in accordance with Proposition 65 in Cal. Health & Safety Code § 25249.5 and following.)

USB Power

• 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.

• 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.)

Default Delay Times for Power Management for Epson Products

This product will enter sleep mode after a period of nonuse. The time interval has been set at the factory to ensure that the product meets Energy Star standards of energy efficiency, and cannot be modified by the consumer.

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.

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