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hp scanjet 5590 digital flatbed scanner 數位平台式掃描器

user's manual

使用者手冊

invent

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English

hp scanjet 5590 digital flatbed scanner

user's manual

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1 how to use the scanner

This manual describes how to use the hp scanjet 5590 digital flatbed scanner and its accessories, resolve installation problems, and reach customer support.

For installation and setup procedures, see the setup poster. For scanning-software procedures, see the HP Photo & Imaging software Help.

install the scanning software

Choose from the following three options when installing the scanner software.

Software options	Description
HP Photo & Imaging Software (most users choose this option)	• Requires 160 megabytes (MB) of disk space • Offers a complete software solution for document and photo management and enhancement • Can scan slides and negatives • Enables front-panel scanner buttons • Includes TWAIN connectivity to the most popular imaging software programs
HP Commercial Scanjet 5590 TWAIN	• Requires 20 MB of disk space • Can be used with document management or customized business software • Offers TWAIN contrast and brightness capabilities • Offers improved two-sided scanning performance • Does not offer front panel scanner button functionality • Cannot scan slides and negatives
HP Photo & Imaging Software and HP Commercial Scanjet 5590 TWAIN (both software programs can be installed)	• Requires 180 MB of disk space • Can scan slides and negatives • Enables front-panel scanner buttons • Includes TWAIN connectivity to most popular imaging software programs • Includes commercial TWAIN for document management and customized business software

See the Readme file on your CD for more information about the TWAIN drivers. To learn more about TWAIN, you can also visit **http://www.twain.org**.

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front panel and accessories overview

This section presents an overview of the scanner front panel, the transparent materials adapter (TMA), and the automatic document feeder (ADF).

Feature		Description
	SCAN DOCUMENT button	Scans an original document to a software program where it can be edited or reformatted.
	SCAN PICTURE button	Scans the picture to the HP Photo & Imaging Gallery.
	FILE DOCUMENTS button	Scans the original document to be saved on a disk or CD in a designated file format (for example, .PDF, .TIF, or .HTML).
	E-MAIL button	Scans the item by using settings that are optimized for e-mail, and sends the scan to your e-mail software (if the software is supported).
	COPY button	Scans the item and sends it to a printer to make copies.
	NUMBER OF COPIES button	Selects the number of copies to be printed with the **COPY** button.
	COLOR/BLACK & WHITE copy button	Determines whether items will be scanned in color or in black and white when you press the **COPY** button.
	POWER SAVE button	Turns off the scanner lamp, the LEDs, and the LCD.
	CANCEL button	Cancels a scan while the scanner is scanning, or cancels a series of scans from the automatic document feeder (ADF).
	2-digit LCD	Indicates the number of copies that will be printed when you press the **COPY** button. Also shows error codes that identify scanner problems.

automatic document feeder (ADF)

The hp scanjet 5590 digital flatbed scanner has an automatic document feeder (ADF) that you can use to scan multiple documents quickly and easily. For more information about the ADF, see **how to scan from the automatic document feeder** on page 7.

transparent materials adapter (TMA)

You can use the transparent materials adapter (TMA) to scan 35 mm slides or negatives. For more information about the TMA, see **how to scan slides and negatives** on page 9.

scanning overview

You can start scanning in one of three ways: from the front-panel buttons, from the HP Director, or from other software programs.

Macintosh users: See the HP Photo & Imaging software Help for information about scanning procedures.

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scan from the scanner front-panel buttons

The front-panel buttons on the scanner provide shortcuts to frequently used scanning functions, such as scanning documents and pictures. Instructions for using the front-panel buttons are located in this manual.

Note: The HP Photo & Imaging software must be installed to use the front-panel buttons and the TMA.

scan from the HP Director

Scan from the HP Director when you want more control over your scan, such as when you want to preview the image before the final scan.

To start the HP Photo & Imaging software, double-click the HP Director icon on the desktop. The HP Director window appears. From this window you can scan, view, or print images; use online Help; and more.

If the HP Director icon is not on the desktop, on the **Start** menu, point to **Programs** or **All Programs**, point to **Hewlett-Packard**, point to the name of your scanner or to **Scanners**, and then click **Photo & Imaging Director**.

Note: The HP Director is available only when the HP Photo & Imaging software is installed.

scan from other software programs

You can scan an image directly from an open file in one of your software programs if the program is TWAIN-compliant. Generally, the program is compliant if it has an option such as **Acquire**, **Scan**, or **Import New Object**. If you are unsure whether the program is compliant or what the option is, see the documentation for that program.

select original types

You have two choices for original type: Document or Picture. The scanner optimizes settings based on your choice. Use the following guidelines to determine the best original type for your needs.

If your original consists of	Select this original type
Text, or both text and graphics	Document
A printed photograph or graphic	Picture

scan documents

Use the **SCAN DOCUMENT** button ( ) to scan documents.

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1 Place the originals face-down on the scanner glass, as indicated by the reference mark, or face-up in the ADF.

2 Press the **SCAN DOCUMENT** button ( ). The **What are you scanning?** dialog box appears.

3 Choose the appropriate settings, and then click **Scan**.

4 When you are finished scanning, click **Done**. The software sends the scanned file to the specified location.

Note: If you want to preview scans before they are sent to their destination, see **preview a scanned image**.

Note: To create a searchable PDF from your scan, select the **Scan for editable text (OCR)?** option in the **What are you scanning?** dialog box. When you are done scanning your document, save it as a PDF. For more information about OCR scanning, see **scan text for editing** on page 6.

scan pictures

Use the **SCAN PICTURE** button ( ) to scan printed photos, graphics, slides, or negatives.

1 Place the original face-down on the scanner glass, as indicated by the reference marks, and close the lid.

2 Press the **SCAN PICTURE** button ( ).

3 When you are finished scanning, click **Done**. The image is scanned into the HP Photo & Imaging Gallery.

Note: If you want to preview scans before they are sent to their destination, see **preview a scanned image**.

Tip: The HP Scanning software can automatically correct your pictures or restore faded colors in old pictures. To turn picture correction on or off, select **Auto Correct Photos** from the **Basic** menu of the HP Director, and then choose the options you want.

preview a scanned image

By default, the software does not prompt you to preview the scan when you use any of the front-panel buttons on the scanner.

If you want to preview the scanned file, either begin the scan from the HP Director instead of using the buttons on the front of the scanner, or change the button settings in the HP Director to allow previews.

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For more information about changing button settings to preview scans, see **preview a scanned image** in the online Help.

Note: There is no preview image for the copy function.

save a document to a disk or CD

Use the **FILE DOCUMENTS** button ( ) to save scanned documents to a disk, such as a hard disk or a CD.

1. Place the original face-down on the scanner glass, as indicated by the reference marks, or face-up in the ADF.
2. Press the **FILE DOCUMENTS** button ( ). The **What are you scanning?** dialog box appears.
3. Choose the appropriate settings, and then click **Scan**.
4. When you are finished scanning, click **Done**. The **Save As** dialog box appears.
5. Select a folder in the **Save As** dialog box, type a file name, and then select a file type. Click **OK**. The software saves the document to the specified folder.

   Note: If you want to preview scans before they are sent to their destination, see **preview a scanned image** on page 4.

e-mail a scanned document or picture

Use the **E-MAIL** button ( ) to scan documents or pictures and insert them in an e-mail message as an attachment. You must have an Internet connection and a supported e-mail software program.

1. Place the original face-down on the scanner glass, as indicated by the reference marks, or face-up in the ADF.
2. Press the **E-MAIL** button ( ). The **What are you scanning?** dialog box appears.
3. Choose the appropriate settings, and then click **Scan**.
4. When you are finished scanning, click **Done**. Your e-mail program opens and the scanned file is attached to an e-mail message.
5. The **E-mail attachment** dialog box appears. Type a file name, and then select a file type. Click **Continue**. Follow the on-screen instructions.
6. Use your e-mail program to complete and send the e-mail.

   Note: To view the scanned image before you e-mail it, double-click the attachment in your e-mail software.

To change the e-mail program, open the HP Director, and then select **E-mail Settings** in the **Settings** drop-down list. The **Email Settings** dialog box appears. Select the e-mail program that you want to use, and then click **OK**.

print copies

Use the **COPY** button ( ) to scan an original and send it to a printer.

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1. Place the original face-down on the scanner glass, as indicated by the reference marks, or face-up in the ADF.
2. Select the copy options:
   - Select the number of copies by pressing the **NUMBER OF COPIES** button ( ). The number of copies appears in the front-panel display.
   - Select how the original is scanned by pressing the **COLOR** button ( ) or **BLACK & WHITE** button ( ).
3. Press the **COPY** button ( ). The copies are printed on the default printer.

   Note: To change any copy settings, such as size, darkness, or the printer, click **Cancel** during processing. The **hp copying** dialog box appears and allows you to change settings.

   Note: There is no preview image for the copy function.

cancel a scan

Press the **CANCEL** button ( ) to cancel a scan in progress, or to cancel a series of scans when you are scanning from the ADF.

use the Power Save button

Use the **POWER SAVE** button ( ) to turn off the lamp when you are not using the scanner. When you press the **POWER SAVE** button ( ), the scanner lamp, the small indicator lights, and the front-panel display turn off.

To use the scanner again, press any button on the front panel or start a scan from the HP Director. After a short warm-up cycle, the scan begins.

Your scanner automatically goes into Power Save mode after 15 minutes of non-use. To change this to one hour, open the HP Director, and click **Settings**. Click **Scan Preferences**, and then click the **Quality vs. Speed** tab. Select the **Extend lamp timeout** check box. The scanner stays on for one hour before going into Power Save mode.

change settings

You can change many scan settings from the HP Photo & Imaging software. These include button settings, preferences for automatic exposure, and file destination. Open the HP Director, make sure that the hp scanjet 5590 digital flatbed scanner is selected, and then click **Settings**.

scan text for editing

The scanner uses optical character recognition (OCR) to convert text on a page to text that you can edit on your computer. The OCR software is installed automatically when you install the HP Photo & Imaging software.

For information about using the OCR software, see **scan text for editing** in the online Help.

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2 how to scan from the automatic document feeder

This section explains how to use the automatic document feeder (ADF) for the HP Scanjet 5590 scanner.

choose acceptable media for the ADF

The ADF works best when the originals meet the following specifications. If the originals do not meet these criteria, scan from the scanner glass.

- For one-sided scanning, you can use legal-size paper: 210 mm by 355.6 mm (8.5 by 14 inches).
- For two-sided scanning, use A4-size or letter-size media. The ADF cannot scan both sides of a document smaller than 127 mm by 127 mm (5 by 5 inches) or larger than 210 mm by 304.8 mm (8.5 by 12 inches).
- Custom-size media ranging from 88.9 mm by 127 mm (3.5 by 5 inches) to 216 mm by 356 mm (8.5 by 14 inches) can be scanned with the one-sided option.

  Tip: To scan both sides of a legal-size document, 216 mm by 356 mm (8.5 by 14 inches), scan one side in the ADF, turn the document over, and then scan the other side in the ADF.
- Media weights from 60 to 90 grams per square meter (g/m^2) (16 to 24 lbs).
- Media that does not contain perforations or punch holes.
- Media that does not contain wet glue, correction fluid, or ink.

  Note: Avoid putting multipart forms, transparencies, magazine pages, gum-backed pages, and lightweight paper in the ADF.

Before placing an original in the ADF, check for and remove curls, wrinkles, staples, paperclips, and any other attached material.

load originals in the ADF

1. Place a stack of similarly sized documents face-up in the document input tray, with the first page on top.

Load a document and center it in the ADF tray

2. Adjust the paper guides to center the stack.
3. Press a scanner button or use the HP Director to begin scanning. Follow the instructions on the computer screen to finish scanning.

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scan two-sided documents from the ADF

When you scan documents from the ADF, the **What are you scanning?** dialog box appears. Select **Yes, scan both sides** for two-sided scanning.

The ADF is unable to scan both sides of documents longer than 12 inches. To scan longer two-sided documents, you must set the ADF to scan only one side at a time. To change this setting, clear the **Yes, scan both sides** option in the **What are you scanning?** dialog box.

One-sided scanning is the default method for the ADF. To change this default to two-sided scanning, open the HP Director, click **Settings** and then click **Scan Preferences**. Click the **Automatic** tab, and then select the setting that you want to assign as the default.

> **Note:** Use A4- or letter-size media for two-sided scanning. The ADF cannot scan both sides of a document smaller than 127 mm by 127 mm (5 by 5 inches) or larger than 210 mm by 304.8 mm (8.5 by 12 inches).

If you are acquiring your scan from an imaging software program using TWAIN, the Commercial Scanjet 5590 TWAIN software offers additional capabilities for brightness and contrast, and improved performance and control for two-sided scanning. For more information about installing the Commercial Scanjet 5590 TWAIN software, see **install the scanning software** on page 1.

make copies from the ADF

You can use the **Copy** button ( ) to scan multiple originals from the ADF and send them to a printer. The copy function defaults to the setting used the last time you made copies. For two-sided copies, open the HP Director, and then click **Make Copies**. Select the **Duplex** option in the **hp copying** dialog box. For more information, see **print copies** on page 5.

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3 how to scan slides and negatives

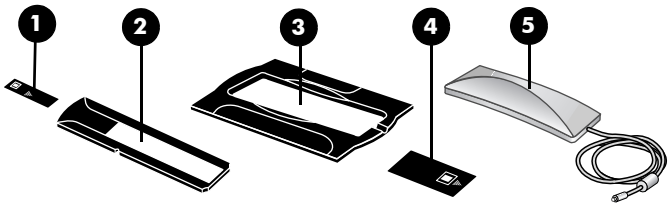
This section contains information about setting up and using the transparent materials adapter (TMA) to scan slides and negatives. You can use the TMA to scan 35 mm slides or negatives.

tips for scanning transparent items

- To scan items larger than those that the TMA accepts, place the transparency on the scanner glass, place a white sheet of paper on top of the transparency, and then scan as usual.
- When scanning a 35 mm slide or negative, the scanner software automatically enlarges the image to approximately 11 cm by 15 cm (4 by 6 inches). If you want the final image to be larger or smaller, use the Resize tool in the scanner software to set the scaling to the final size that you want. The scanner will scan the item at the proper resolution and enlargement for the size that you select.
- To scan 35 mm slides or negatives by using the TMA, press the **SCAN PICTURE** button ( ) on the front of the scanner, or click **Scan Picture** in the HP Director.

set up the TMA

The TMA includes a light source, a positioning plate, and media holders that are placed directly on the top of the scanner glass. Make sure you have all the components of the TMA.



TMA components
1- Negative light shield
2- Negative holder
3- Positioning plate
4- Slide light shield
5- Light source and slide holder

to connect the TMA cable to its port on the scanner

1. Disconnect the power cable from the scanner.
2. On the back of the scanner, find the round TMA port.
3. Holding the TMA cable by its free end, align the connector so that the arrow is on the top side.

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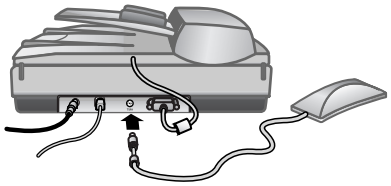
4 Gently insert the connector into the TMA port.

Caution! Do not force the cable into the TMA port. Forcing the cable can bend or break internal pins.

5 Reconnect the power cable.



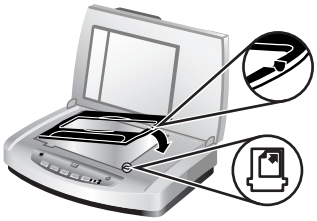
TMA cable and port

scan slides or negatives

To scan standard 35 mm slides or negatives, use the TMA light source and the positioning plate. For negatives, you need the negative holder. When scanning fewer than three slides, you will need the slide light shield; when scanning fewer than four negative frames, you will need the negative light shield.

to start the scanning process

1 Place the positioning plate on the scanner glass, and match the reference mark on the plate to the reference mark on the scanner.



Place the positioning plate on the scanner glass

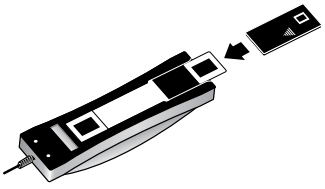
2 Insert slides or negatives into the TMA light source.

to load slides into the TMA light source

1 Insert up to three slides into the slide holder on the bottom side of the TMA light source.

Note: Make sure that the shiny side faces the scanner glass when the TMA light source is in the position on the scanner glass. (The emulsion side is dull.)

2 If you are scanning fewer than three slides, insert the slide light shield after you load the last slide.



Insert a slide into the slide holder with a slide light shield

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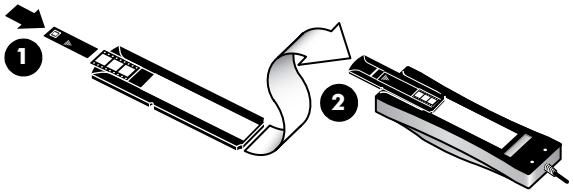
to load negatives into the TMA light source

1. Load a negative strip into the negative holder.

   Note: Make sure that the shiny side faces the scanner glass when the TMA light source is in position on the scanner glass. (The emulsion side is dull.)

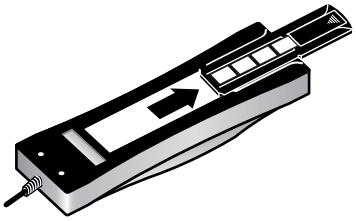
   Caution! Negatives are easily damaged. Touch them only on their edges.

2. If you are scanning a negative strip with fewer than four frames, insert the negative light shield after you load the negative strip. Use the arrow icons on the negative light shield to position it correctly.
3. Slide the negative holder into the slide holder on the bottom side of the TMA light source.



1 - Load the negative strip into the negative holder with a negative light shield
2 - Slide the negative holder into the slide holder of the TMA light source

Note: The negative holder is stored in the TMA light source, within the slide holder.



to complete the scanning process

1. Place the TMA light source into the positioning plate with the slides or negatives facing down. The TMA cable should fit in the groove that is on the same end of the positioning plate as the reference marks.

Place the TMA light source on the positioning plate

2. Press the **SCAN PICTURE** button ( ) on the front of the scanner.

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3 In the scan preview, select the area of the slide or negative that you want to scan. Click and hold the selection handle that you want to move and adjust the area to frame the final scan area of the image.

Final scan area

Note: For information about rotating the image, adjusting color or size, or making other changes to the image, see **adjust an image during the preview** in the HP Photo & Imaging software Help.

4 Click **Accept** when the image adjustments are complete.

To keep the TMA light source on beyond the default period, select the **Extend lamp timeout** setting in the software. Open the HP Director, click the **Settings** menu, click **Scan Preferences**, and then click the **Quality vs. Speed** tab.

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4 care and maintenance

This section presents information about how to care for and maintain the scanner.

Occasional cleaning of your scanner helps ensure optimal performance. The amount of care necessary depends upon several factors, including the amount of use, the type of media that is fed through the ADF, and the environment. You should perform routine cleaning as necessary.

Routine cleaning and maintenance should include cleaning the scanner glass, the TMA, and the ADF.

Caution! Avoid placing items that have sharp edges in the scanner. Doing so can damage the scanner. Before placing an item on the scanner glass, make sure that the item does not contain wet glue, correction fluid, or other substances that can be transferred to the glass.

clean the scanner glass

1. Disconnect the universal serial bus (USB) cable and power cable from the scanner.
2. Clean the glass by using a soft, lint-free cloth that has been sprayed with a mild glass cleaner, and dry the glass with a dry, soft, lint-free cloth.

   Caution! Use only glass cleaner. Avoid abrasives, acetone, benzene, and carbon tetrachloride, all of which can damage the scanner glass. Avoid isopropyl alcohol because it can leave streaks on the glass.

   Do not spray the glass cleaner directly on the glass. If too much glass cleaner is applied, the cleaner could run to the edges and damage the scanner.
3. When you have finished, reconnect the USB cable and power cable to the scanner.

   Note: For instructions about how to clean the underside of the scanner glass, visit **www.hp.com/support**.

clean the TMA

Clean the TMA with a dry, soft cloth. If necessary, lightly spray the cloth with glass cleaner and wipe the TMA.

clean and maintain the ADF

The ADF requires periodic cleaning depending on the amount of use and the type of media that is fed through it. Use an HP ADF cleaning cloth to clean the ADF when vertical streaks appear in images scanned by using the ADF, when

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media running through the ADF is dusty or dirty, or when the environment is dusty. If you use the ADF several times per week, monthly cleaning is recommended. Set up a cleaning routine that is appropriate for your scanner.

Use the following methods to clean the ADF:

- **run the cleaning cloth through the ADF**
- **clean the ADF window**
- **clean the feed-roller assembly manually**

run the cleaning cloth through the ADF

1. Open the sealed container, starting at the notch. Take care not to tear the cleaning cloth that is inside.
2. Remove the cleaning cloth and unfold it.
3. Place the unfolded cloth into the paper input tray.
4. Press the **SCAN DOCUMENT** button ( ).
   The cleaning cloth runs through the ADF.

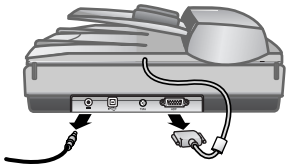
   Caution! Wait two minutes to allow the components to dry before proceeding to the next step.
5. Place up to five pages of printed paper in the paper input tray. Scan and view the results.
6. If streaks still appear, repeat steps 3 through 5.
   The cleaning cloth can be cycled through the ADF up to five times.

   Note: If you still have streaks in your scanned image after running the cleaning cloth through the ADF, you might need to clean the ADF window.

clean the ADF window

If streaks exist on your scanned images, cleaning the ADF window might solve the problem. Use the following steps to remove the clear ADF window, clean it, and replace it in the ADF.

1. Unplug the power cord and the connector from the scanner to the ADF.



2. Remove the ADF from the scanner by opening the ADF and lifting it straight up.
3. Unlock the ADF window.
   a. Locate the clear ADF window containing the blue-green rectangles on the underside of the ADF.
   b. Press down one of the tabs next to the blue-green rectangle.
   c. Pull the blue-green rectangle toward the closest end of the scanner.

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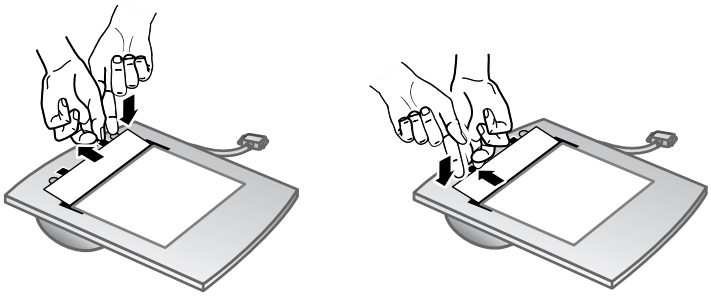
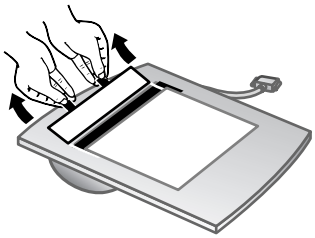
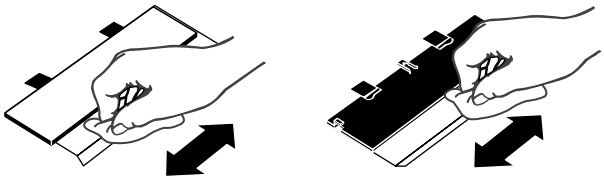
d. Repeat these steps for the other tab and blue-green rectangle.



4 Remove the ADF window from the ADF.

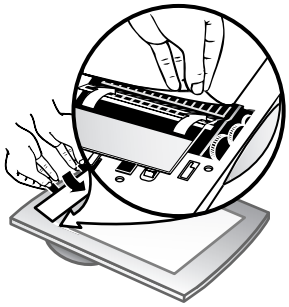


5 Wipe the clear plastic area with an HP ADF cleaning cloth or a clean, dry lint-free cloth. Clean both sides before replacing. Make sure that each side is dry and free of spots.



6 Replace the ADF window.

a. Gently lift the edge of the large gray plastic film attached to the bottom of the ADF.
b. Slide the clear side of the edge of the clear ADF window under the gray plastic film.
c. Slide the clear ADF window forward until it clicks into place.
d. Make sure that the small blue-green rectangle at the center of the optic latches underneath the gray tab and not above the tab.



7 Place the ADF on the scanner.

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8 Connect the ADF connector to the scanner, and then connect the power cord to the scanner.

9 Use the ADF to scan up to five documents. View the results. If streaks still exist on the scanned images, call HP Customer Support. It may be necessary to order a new clear ADF window/optic assembly (C9915-60011).

clean the feed-roller assembly manually

1 Open the hatch, and then lift the green tab to the fully open position. The feed-roller assembly should be in a nearly vertical position.

Lift the green tab to expose the feed rollers

2 Use an HP ADF cleaning cloth (C9915-60056) to clean each of the feed rollers and the small rubber pad that is located below the rollers.

Note: If you do not have the HP ADF cleaning cloth, use a lint-free cloth that has been dampened with isopropyl alcohol.

3 Wipe the area around the small rubber pad to remove any paper dust.

4 Lower the green tab and feed-roller assembly.

5 Close the hatch

maintain the ADF

If misfeeds are occurring frequently follow these steps:

1 Clean the feed-roller assembly manually. See **clean and maintain the ADF**.

2 See the online Help for information about resolving ADF problems.

3 If the misfeeds continue, order and install the ADF Roller Replacement kit (C9937-68001). The ADF Roller Replacement kit contains a roller mechanism, a separation pad, new screws for the separation pad and replacement instructions (see **order maintenance supplies** for more information).

order maintenance supplies

You can purchase maintenance parts online at **www.hp.com/support/scannersupplies**. Items such as HP ADF cleaning cloths or the ADF Roller Replacement kit are available for worldwide delivery.

5 troubleshooting

This section contains solutions for common problems with the scanner, the automatic document feeder (ADF), and the transparent materials adapter (TMA).

scanner installation or setup problems

This section contains solutions for installation and setup problems.

check your computer

- Make sure that your computer meets the minimum system requirements, which are listed on the scanner box and in the **scanner installation or setup problems** section of the online Help file.
- If you do not have enough hard-disk space, remove unnecessary files or install the software on a different disk drive.

use administrative privileges

If you are installing the scanner on a Microsoft® Windows® 2000 or Windows XP computer, you must be logged on as an Administrator. See your operating system Help for how to log on as an Administrator.

use a valid folder

On a Microsoft Windows computer, if you receive a message such as "Destination Directory Is Invalid" or "Program Folder Is Invalid" during installation, you might not have read/write permissions to that folder.

check the cables

Cable type	Action
Power cable	The power cable is connected between the scanner and an AC outlet. • Ensure that the power cable is securely connected between the scanner and a live electrical outlet or surge protector. • If the power cable is connected to a surge protector, ensure that the surge protector is plugged into an outlet and turned on. • Disconnect the power cable from the scanner and turn off the computer. After 60 seconds, reconnect the power cable to the scanner and then turn on the computer, in that order.

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Cable type	Action
USB cable	The USB cable is connected between the scanner and the computer. • Use the cable that was included with the scanner. Another USB cable might not be compatible with the scanner. • Ensure that the USB cable is securely connected between the scanner and the computer. For additional USB troubleshooting information, see **www.hp.com/support**, select your country/region, and then use the search tool to find USB troubleshooting topics.

Macintosh users: Use the Apple System Profiler to make sure that the scanner is connected to the computer correctly.

scanner initialization or hardware problems

This section contains solutions for initialization and hardware problems.

reset the scanner

- If you receive an error message similar to "Scanner initialization failed" or "Scanner not found" when trying to use the scanner, use the following procedure:
  a. Close the HP Scanning software if it is open.
  b. Disconnect the cable that connects the scanner to the computer.
  c. Turn the scanner off by disconnecting the power cable.
  d. Turn the computer off, wait 60 seconds, and then turn the computer on again.
  e. Turn the scanner on by reconnecting the power cable.
  f. Reconnect the cable that connects the computer and the scanner (use a different USB port on the computer if possible).
- A "00" in the LCD on the front panel of the scanner indicates that a USB connection error has occurred. Check that the USB cable is securely connected between the scanner and the computer.
- Make sure that the USB cable is connected to the back of the scanner correctly. The USB symbol on the end of the cable (the connector) should be facing up. When connected correctly, the USB connector will feel slightly loose. When connected incorrectly, the USB plug will feel overly tight.
- Try connecting the USB cable to a different USB port on your computer.

If the scanner still fails to initialize, run the Repair utility (Windows computers only). For more information about the Repair utility, see **scanner has stopped working properly**.

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scanner has stopped working properly

If the scanner stops scanning, complete the following steps, in order. After each step, start a scan to see if the scanner is working. If the problem continues, proceed with the next step.

- A cable might be loose. Ensure that both the USB cable and power cable are securely connected.
- Unplug the power cable from the power source, wait 60 seconds, and then plug it back in.
- Restart your computer.
- A software conflict might exist on your computer. You might need to reinstall the HP Photo & Imaging software. To do this, run the Repair utility (Windows computers only).
  a. Click **Start**, click **Settings**, and then click **Control Panel** (in Windows XP, click **Start**, and then click **Control Panel**).
  b. Click **Add/Remove Programs**, and then select the **HP Photo & Imaging** software.
  c. Click **Add/Remove** (or **Change**, depending on your version of Windows).
  d. Follow the instructions on the computer screen, and then click **Repair**.
- Install the scanner on another computer. This helps determine whether the problem is related to the computer or to the scanner.

If the scanner still does not work, visit **www.hp.com/support** or contact HP Customer Support. For more information about support, see **product support** on page 20.

additional troubleshooting information

To solve other problems with the scanner, use the Help system. To gain access to the Help, open the HP Director, click **Help**, and then click **HP Scanjet 5590 scanner help**. This Help system provides information about the HP Scanjet 5590 scanner as well as information about the HP Photo & Imaging software itself.

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6 product support

This section contains support information, including phone numbers and website information.

accessibility website

Customers with disabilities can get help by visiting **www.hp.com/hpinfo/community/accessibility/prodserv/**.

hp scanjet website

Visit **www.hp.com** for a variety of information:

- learn tips for scanning more effectively and creatively
- gain access to HP Scanjet driver updates and software
- register your product
- subscribe to newsletters, driver and software updates, and support alerts
- purchase accessories

support process

The HP support process works most effectively if you perform the following steps in the order specified:

1. Review the electronic Help for the software and scanner, including the Troubleshooting section.
2. Go to the HP Consumer Support Website for support. If you have access to the Internet, you can obtain a wide range of information about your scanner. Visit the HP website for product help, drivers, and software updates at **www.hp.com/support**. The HP Consumer Support Website is available in the following languages: Dutch, English, French, German, Italian, Portuguese, Spanish, Swedish, Traditional Chinese, Simplified Chinese, Japanese, Korean. (Danish, Finnish, and Norwegian support information is available in English only.)
3. Use HP e-support. If you have access to the Internet, connect with HP via e-mail by going to **www.hp.com/support**. You will receive a personal reply from an HP Product Support technician. E-mail support is available in the languages listed at that website.
4. Contact your local HP dealer. If your scanner has a hardware failure, take it to your local HP dealer for a solution. Service is free during your scanner's limited warranty period. After the warranty period, the dealer will quote a service charge.

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5 Contact the HP Product Support Center for support by phone. Please consult the following website to check the details and conditions of phone support in your country/region: **www.hp.com/support**. As a part of HP's continuing efforts to improve phone support information services, we advise you to check the HP website on a regular basis for new information regarding service features and delivery. If you cannot solve the problem by using the above options, call HP while you are in front of your computer and scanner. For faster service, please be prepared to provide the following information:
   - the scanner's model number (located on the scanner)
   - the scanner's serial number (located on the scanner)
   - the computer's operating system
   - the version of the scanner software (located on the scanner's CD label)
   - messages displayed at the time the situation occurred

   The applicable conditions for HP phone support are subject to change without notice.

   Telephone support is free from the date of purchase for the period specified unless otherwise noted.

Locations	Phone-support period
Africa	30 days
Asia Pacific	1 year
Canada	1 year
Europe	1 year (See the following tables for details for each country.)
Latin America	1 year
Middle East	30 days
United States	1 year

phone support in the United States

Support is available both during and after the warranty period.

Within the period of your warranty, telephone support is provided free of charge. Call 800-HPINVENT (800-474-6836).

U.S. phone support is available in both English and Spanish 24 hours a day, 7 days a week (days and hours of support might change without notice).

After the warranty period, call 800-HPINVENT (800-474-6836). Charges are $25.00 U.S. per issue, and are charged to your credit card. If you think your HP product needs service, call the HP Product Support Center, which can help determine if service is required.

phone support in Europe, Middle East, and Africa

HP Product Support Center phone numbers and polices can change. Visit the following website to check the details and conditions of phone support in your country/region: **www.hp.com/support**.

Algeria	+213 (0) 61 56 45 43
Austria	+43 (0) 820 87 4417
Bahrain	+973 800 728

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Belgium	+32 070 300 005 (Dutch) +32 070 300 004 (French)
Czech Republic	+42 (0) 2 6130 7310
Denmark	+45 70202845
Egypt	+20 02 532 5222
Finland	+358 (0)203 66 767
France	+33 (0) 8 92 69 60 22 (Euro 0.34/min)
Germany	+49 (0) 180 5652 180 (Euro 0.12/min)
Greece	+30 10 60 73 603
Hungary	+36 (0) 1 382 1111
Ireland	+353 1890 923902
Israel	+972 (0) 9 830 4848
Italy	+39 848 800 871
Luxembourg	900 40 006 (French) 900 40 007 (German)
Morocco	+212 224 04747
Netherlands	0900 2020165 (Euro 0.10 per minute)
Norway	+47 815 62 070
Poland	+48 22 865 98 00
Portugal	+351 808 201 492
Romania	+40 1 315 44 42
Russian Federation	+ 7 095 797 3520 (Moscow) + 7 812 346 7997 (St. Petersburg)
Saudi Arabia	+966 800 897 1444
Slovakia	+421 2 6820 8080
South Africa	086 000 1030 (RSA) +27-11 258 9301 (Outside RSA)
Spain	+34 902 010 059
Sweden	+46 (0) 77-120 4765
Switzerland	+41 0848 672 672 (German, French, Italian – Peak time 0.08 CHF/Outside peak 0.04 CHF)
Tunisia	+216 1 891 222
Turkey	+90 216 579 71 71
Ukraine	+7 (380 44) 490-3520
United Arab Emirates	+971 4 883 845
United Kingdom	+44 (0)870 010 4320

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other phone support worldwide

HP Product Support Center phone numbers and polices can change. Visit the following website to check the details and conditions of phone support in your country/region: **www.hp.com/support**.

Argentina	+54 11 4778 8380 0 810 555 5520
Australia	+63 (3) 8877 8000 (or local (03) 8877 8000)
Brazil	0800 157751 (11) 3747 7799
Canada	+1 800 hpinvent (or +1 800 474 6836) +1 905 206 4663 (Inside the Mississauga area)
Central America and the Caribbean	+1 800 711 2884
Chile	800 360 999
China	+86 (21) 3881 4518
Colombia	01 800 011 4726
Costa Rica	0 800 011 0524
Dominican Republic	1 800 7112884
Guatemala	1800 999 5105
Hong Kong SAR	+852 2802 4098
India	1 600 447737
Indonesia	+62 (21) 350 3408
Jamaica	0-800-7112884
Japan	0570 000 511 (Inside Japan) +81 3 3335 9800 (Outside Japan)
Korea, Republic of	+82 1588-3003 (Seoul) 0 80-999-0700 (Outside Seoul)
Malaysia	+60 1 800 805 405
Mexico	01-800-4726684 (55) 5258 9922
New Zealand	+64 (9) 356 6640
Nigeria	+234 1 3204 999
Panama	001 800 7112884
Peru	0 800 10111
Philippines	+ 63 (2) 867 3551
Puerto Rico	+1 877 2320 589
Singapore	+65 6272 5300
Taiwan	+886 0 800 010055
Thailand	+66 (0) 2 353 9000
Trinidad & Tobago	1 800 7112884
United States	1 800 474-6836 (800 HPINVENT)
Venezuela	01 800 4746 8368
Vietnam	+84 (0) 8 823 4530

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7 regulatory information and product specifications

This section contains regulatory information and product specifications for the HP Scanjet 5590 scanner and accessories.

scanner specifications (with ADF where indicated)

Name	Description
Scanner type	Flatbed with automatic document feeder (ADF)
Weight with ADF	5.7 kg (12.6 lbs)
Size with ADF	488 mm by 340 mm by 162 mm (19.21 by 13.39 by 6.38 inches)
Scanning element	Charged-coupled device
Interface	USB 2.0 Hi-Speed
Optical resolution	2400 by 2400 dpi hardware
Selectable resolution	12 dpi to 999,999 enhanced dpi at 100 percent scaling
AC line voltage	100-120 V 60 Hz – North America 200-240 V 50 Hz – Continental Europe, United Kingdom, Australia 100-240 V 50 Hz/60 Hz – Rest of the world
Power consumption and regulatory information	For power consumption data, information on power supplies and regulatory information see the regulatory_supplement.htm file on the HP Photo & Imaging software CD.
	The HP Scanjet 5590 scanner is ENERGY STAR® compliant. As an ENERGY STAR® partner, Hewlett-Packard Company has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

transparent materials adapter (TMA) specifications

Name	Description
Media types	Three 35 mm slides or one 35 mm negative strip
Media capacity	Slide: 1.05 mm to 1.9 mm thick and 49.8 mm to 50.8 mm on any side
Size	287 mm by 84 mm by 50 mm (11.3 by 3.3 by 1.97 inches)
Weight	346 g (0.763 lbs)
Power requirements	12.0 V DC, 575 mA, 6.9 watts< (supplied by scanner)

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automatic document feeder (ADF) specifications

Name	Description
Size	475 mm by 320 mm by 92 mm (18.7 by 12.6 by 3.6 inches)
Weight	2.46 kg (5.4 lbs)
Paper tray capacity	50 pieces of 75 g/m^2 (20-lb bond)
Maximum paper size	One-sided scanning: 210 mm by 355.6 mm (8.5 by 14 inches) Two-sided scanning: 210 mm by 304.8 mm (8.5 by 12 inches)
Minimum paper size	One-sided scanning: 89 mm by 127 mm (3.5 by 5 inches) Two-sided scanning: 127 mm by 127 mm (5 by 5 inches)
Maximum paper weight	90g/m^2 (24 lbs)
Power requirements	1.0 A, 32 V, 32 watts (supplied by scanner) 800 mA, 19 watts (peak) 625 mA, 15 watts (nominal)

environmental specifications for the scanner, ADF, and TMA

Name	Description
Temperature	Operating the scanner and TMA: 10° to 35° C (50° to 95° F)
	Operating the ADF: 10° to 30° C (50° to 85° F)
	Storage: -40° to 60° C (-40° to 140° F)
Relative humidity	Operating the scanner, ADF, and TMA: 15 percent to 80 percent noncondensing 10° to 35° C (50° to 95° F)
	Storage: up to 90 percent at 0° to 60° C or (32° to 140° F)

purchase accessories

You can purchase accessories at your local retailer or online at **www.hpshopping.com** (USA only). For other regions, use **www.hp.com** and select your language. Then select the shopping section.

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HP scanjet 5590 數位平台式掃描器

繁體中文

使用者手冊

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1 如何使用掃描器

本手冊說明如何使用 HP Scanjet 5590 掃描器和其配件，來解決安裝問題以及取得顧客支援。

關於安裝和設定程序，請參閱安裝海報。關於掃描軟體程序，請參閱 HP 相片和影像軟體說明。

安裝掃描軟體

安裝掃描軟體時，請從下列三種選項中選擇。

軟體選項	描述
HP 相片和影像軟體（大多數使用者選擇此選項）	• 需要 160 百萬位元組 (MB) 的磁碟空間 • 提供文件以及相片管理和增強的完整軟體解決方案 • 可以掃描幻燈片和負片 • 啟用前面板掃描器按鈕 • 包括最受歡迎的影像軟體程式的 TWAIN 連接性
HP Commercial Scanjet 5590 TWAIN	• 需要 20 MB 的磁碟空間 • 可用來文件管理或自訂商務軟體 • 提供 TWAIN 對比以及亮度功能 • 提供改善的雙面掃描效能 • 不提供前面板掃描器按鈕功能 • 無法掃描幻燈片和負片
HP 相片和影像軟體和 HP Commercial Scanjet 5590 TWAIN（兩種軟體程式皆可安裝）	• 需要 180 MB 的磁碟空間 • 可以掃描幻燈片和負片 • 啟用前面板掃描器按鈕 • 包括最受歡迎的影像軟體程式的 TWAIN 連接性 • 包括可用來文件管理和自訂商務軟體的 Commercial TWAIN

請參閱 CD 上的 Readme 檔案，取得關於 TWAIN 驅動程式的詳細資訊。若要更深入了解 TWAIN，您也可以造訪 **http://www.twain.org**。

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前面板和配件概觀

本單元介紹掃描器前面板、投影片材料配接器 (TMA) 和自動進紙器 (ADF) 的概觀。

功能		描述
	掃描文件按鈕	將原始文件掃描到軟體程式後，可以在程式中編輯或重新格式化文件。
	掃描相片按鈕	將相片掃描至 「HP 相片和影像藝廊」中。
	將文件歸檔按鈕	掃描的原始文件會以指定的檔案格式 （例如：.PDF、.TIF 或 .HTML），儲存於磁碟或光碟。
	電子郵件按鈕	藉由使用針對電子郵件進行最佳化的設定來掃描項目，並將掃描結果傳送至您的電子郵件軟體 （如果支援該軟體）。
	影印按鈕	掃描項目並傳送至列表機以進行影印。
	份數按鈕	選取要使用**影印**列印的份數。
	彩色／黑白影印按鈕	當您按下**影印**按鈕時，決定項目將會以彩色還是以黑白進行掃描。
	省電按鈕	關閉掃描器燈泡、LED 以及 LCD。
	取消按鈕	當掃描器正在進行掃描時取消某個掃描，或者取消從自動文件進紙器 (ADF) 進行的一系列掃描。
	2 位數 LCD	當您按下**影印**按鈕時，表明要列印的影印份數。還會顯示能辨別掃描器問題的錯誤代碼。

自動文件進紙器 (ADF)

HP Scanjet 5590 掃描器含有自動文件進紙器 (ADF)，可讓您快速、輕易地掃描多份文件。如需更多關於 ADF 的資訊，請參閱 7 頁面上的**如何在自動文件進紙器中掃描**。

投影片材料配接器 (TMA)

您可以使用投影片材料配接器 (TMA) 掃描 35 公釐的幻燈片或負片。如需更多關於 TMA 的資訊，請參閱 9 頁面上的**如何掃描幻燈片和負片**。

繁體中文

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掃描概觀

您可以使用三種方法其中之一開始掃描：從前面板按鈕、從「HP 管理員」或從其他軟體程式。

Macintosh 使用者：請參閱 HP 相片和影像軟體說明，取得關於掃描程序的資訊。

從掃描器前面板按鈕掃描

掃描器上的前面板按鈕提供常用掃描功能（如掃描文件和相片）的快速鍵。使用前面板按鈕的指示都在此手冊中。

註解： 若要使用前面板按鈕和 TMA，必須先安裝 HP 相片和影像軟體。

從 HP 管理員掃描

在您要加強對掃描的控制時，請透過 HP 管理員掃描，例如：要在最終掃描之前預覽影像時。

要啟動 HP 相片和影像軟體，請連按兩下桌面上的 HP 管理員圖示。會出現「HP 管理員」視窗。透過此視窗，您可以掃描、檢視或列印影像；使用線上說明；等等。

如果桌面上沒有「HP 管理員」圖示，在**開始**功能表上，依次指向**程式集**或**所有程式**、**Hewlett-Packard**、掃描器的名稱或**掃描器**，然後按一下**相片和影像管理員**。

註解： 安裝 HP 相片和影像軟體之後，才可以使用 HP 管理員。

掃描從其他軟體程式

如果程式與 TWAIN 相容，您可以直接從其中一個軟體程式內的開放檔案中掃描影像。如果程式有如 **Acquire（擷取）**、**Scan（掃描）**或 **Import New Object（匯入新物件）**之類的選項，其通常是相容的。如果您不確定程式是否相容，或者不知道程式的選項，請參閱該程式的說明文件。

選取原稿類型

原稿類型有兩種選擇：文件或相片。掃描器會根據您的選擇將設定值最佳化。請使用下列指南來決定您需要的最佳原稿類型。

如果您的原稿包含	選擇此原稿類型
文字、或是文字及圖形	文件
列印的相片或圖片	相片

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掃描文件

使用**掃描文件**按鈕 ( ) 來掃描文件。

1 如參照標記所示，將原稿正面朝下放在掃描器玻璃板上，或將原稿正面朝上放在 ADF 中。

2 按下**掃描文件**按鈕 ( )。出現**您正在掃描什麼？**對話方塊。

3 選擇適當的設定，然後按一下**掃描**。

4 當您完成掃描時，按一下**完成**。軟體會將掃描的檔案傳送至指定的位置。

註解： 如果想要在檔案傳送至目的地之前預覽掃描內容，請參閱**預覽掃描的影像**。

註解： 若要用您的掃描內容建立可搜尋的 PDF，請選擇**您正在掃描什麼？**對話方塊中的**掃描可編輯的文字 (OCR)？**選項。當您完成文件的掃描時，將其儲存為 PDF 格式。如需更多關於 OCR 掃描的資訊，請參閱 6 頁面上的**掃描文字以進行編輯**。

掃描相片

使用**掃描相片**按鈕 ( ) 來掃描已列印的相片、圖形、投影片或負片。

1 如參照標記所示，將原稿正面朝下放在掃描器玻璃板上，然後合上蓋版。

2 按下**掃描相片**按鈕 ( )。

3 當您完成掃描時，按一下**完成**。影像便會掃描至 HP 相片和影像藝廊。

註解： 如果想要在檔案傳送至目的地之前預覽掃描內容，請參閱**預覽掃描的影像**。

提示： HP 掃描軟體會自動修正相片或復原舊相片中褪色的色彩。要開啟或關閉相片修正，請在 HP 管理員的**基本**功能表中選擇**自動修正相片**，然後選擇所要的選項。

預覽掃描的影像

預設情況下，使用掃描器上的任何一個前面板按鈕時，軟體不會提示您預覽掃描。

如果想要讓掃描的檔案可以預覽，請從 HP 管理員掃描（不是使用掃描器前面的按鈕），或是在 HP 管理員中變更按鈕設定以啟用預覽功能。

如需更多關於變更按鈕設定值以啟用預覽掃描的資訊，請參閱線上說明的**預覽掃描的影像**。

註解： 沒有預覽影像的影印功能。

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將文件儲存至磁碟或光碟

使用**將文件歸檔**按鈕 ( ) 將掃描的文件儲存至磁碟，如硬碟或光碟。

1. 如參照標記所示，將原稿正面朝下放在掃描器玻璃板上，或將原稿正面朝上放在 ADF 中。
2. 按下**將文件歸檔**按鈕 ( )。出現**您正在掃描什麼？**對話方塊。
3. 選擇適當的設定，然後按一下**掃描**。
4. 當您完成掃描時，按一下**完成**。出現**另存新檔**對話方塊。
5. 在**另存新檔**對話方塊中選擇資料夾後，鍵入檔案名稱，然後選擇檔案類型。按一下**確定**。軟體會將文件儲存至指定的資料夾。

   註解： 如果想要在檔案傳送至目的地之前預覽掃描內容，請參閱 4 頁面上的**預覽掃描的影像**。

使用電子郵件傳送掃描的文件或相片

使用**電子郵件**按鈕 ( ) 掃描文件或相片，然後將其作為附件插入電子郵件訊息中。您也必須要有網際網路連線及支援的電子-郵件軟體程式。

1. 如參照標記所示，將原稿正面朝下放在掃描器玻璃板上，或將原稿正面朝上放在 ADF 中。
2. 按下**電子郵件**按鈕 ( )。出現**您正在掃描什麼？**對話方塊。
3. 選擇適當的設定，然後按一下**掃描**。
4. 當您完成掃描時，按一下**完成**。開啟您的電子郵件程式並將掃描的檔案附加到電子郵件訊息中。
5. 出現**電子郵件附件**對話方塊。鍵入檔名與檔案類型。按一下**繼續**。遵照螢幕上的指示執行。
6. 使用電子郵件程式來完成並傳送電子郵件。

   註解： 若要在傳送電子郵件之前檢視掃描的影像，請在電子郵件軟體中按兩下附件。

若要變更電子郵件程式，請開啟 HP 管理員，然後在**設定值**下拉式清單中選擇**電子郵件設定值**。出現**電子郵件設定值**對話方塊。選擇想要使用的電子郵件程式，然後按一下**確定**。

影印

使用**影印**按鈕 ( ) 掃描原稿並將其傳送至印表機。

1. 如參照標記所示，將原稿正面朝下放在掃描器玻璃板上，或將原稿正面朝上放在 ADF 中。
2. 選取影印選項：
   - 按下**份數**按鈕 ( ) 選取份數。份數會顯示在前面板上。
   - 藉由按下**彩色**按鈕 ( ) 或**黑白**按鈕 ( ) 選取如何掃描原稿。
3. 按下**影印**按鈕 ( )。該影印會列印至預設印表機。

   註解： 若要變更任何影印設定值，如大小、暗度或印表機，請在處理期間按一下**取消**。出現 **hp 影印**對話方塊並可讓您變更設定。

   註解： 沒有預覽影像的影印功能。

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取消掃描

按下**取消**按鈕 (⊗)，取消進行中的掃描或在 ADF 掃描時取消一系列的掃描。

使用省電按鈕

當您不使用掃描器時，可使用**省電**按鈕 (⏻) 來關閉掃描燈。按下**省電**按鈕後 (⏻)，會關閉掃描燈、小指示燈和前面板顯示幕。

若要再次使用掃描器，請按下前面板上的任何按鈕，或者從「HP 管理員」開始掃描。在短暫的暖機後，開始進行掃描。

如果停止使用掃描器 15 分鐘之後，會自動變成省電模式。若要變更設定值為一小時，請開啟「HP 管理員」，然後按一下**設定**。按一下**掃描偏好設定**，然後按一下**品質與速度**標籤。選擇**延長燈泡逾時**核取方塊。變成省電模式之前，掃描器會持續開啟一小時。

變更設定

您也可以從 HP 相片和影像軟體中變更許多掃描的設定。這些設定包含按鈕設定、自動曝光的偏好值和檔案目的地。開啟 HP 管理員，確定已選擇 HP Scanjet 5590 掃描器，然後按一下**設定**。

掃描文字以進行編輯

掃描器可使用光學文字辨識 (OCR) 將頁面上的文字轉換為您可以在電腦上編輯的文字。當您安裝 HP 相片和影像軟體時，會自動安裝 OCR 軟體。

如需更多關於使用 OCR 軟體的資訊，請參閱線上說明中的**掃描文字以進行編輯**。

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2 如何在自動文件進紙器中掃描

本單元說明如何使用 HP Scanjet 5590 掃描器 的自動文件進紙器 (ADF)。

選擇 ADF 可接受的紙材

當原稿滿足下列規格時，ADF（自動文件進紙器）可以得到最佳的品質。如果原稿無法滿足這些標準，請從掃描器玻璃板進行掃描。

- 針對單面掃描，您可以使用 Legal 大小的紙張：210 公釐 x 355.6 公釐（8.5 x 14 英吋）。
- 針對雙面掃描，可以使用 A4 大小或 Letter 大小的紙材。ADF 無法掃描小於 127 公釐 x 127 公釐（5 x 5 英吋）或大於 210 公釐 x 304.8 公釐（8.5 x 12 英吋）的雙面文件。
- 自訂大小的紙材，範圍從 88.9 公釐 x 127 公釐（3.5 x 5 英吋）到 216 公釐 x 356 公釐（8.5 x 14 公釐）都可以使用單面選項來掃描。

  提示： 若要雙面掃描 216 公釐 x 356 公釐（8.5 x 14 英吋）、Legal 大小的文件，請在 ADF 中掃描一面後翻轉文件，然後在 ADF 中掃描另一面。
- 紙材重量為從每平方公尺 60 至 90 公克 (g/m^2)（16 至 24 磅）。
- 不含任何穿孔或打孔的紙材。
- 不含任何未乾膠水、修正液或墨水的紙材。

  註解： 避免在 ADF 中使用多聯表格、投影片、雜誌頁、背面塗膠頁以及很輕的薄紙。

將原稿放置於 ADF 之前，請檢查並移除捲曲、皺摺、釘書針、紙夾以及任何其他的黏附材料。

將原稿載入 ADF

1 將一疊大小相似的原稿正面朝上放入文件進紙匣，並把要掃描的第一頁放在最上面。

載入文件並使其位於 ADF 紙匣中央

2 調整紙張導板，使紙疊位於紙匣的中央。

3 按下掃描器按鈕或使用「HP 管理員」開始掃描。請遵照電腦螢幕上的指示完成掃描。

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在 ADF 掃描雙面文件

在 ADF 掃描文件時，會出現**您正在掃描什麼？**對話方塊。選擇**是，掃描雙面**，進行雙面掃描。

ADF 無法掃描長度大於 12 英吋的雙面文件。若要掃描長度更長的雙面文件，您必須設定 ADF 為一次只能掃描一面。若要變更此設定，請清除**您正在掃描什麼？**對話方塊中的**是，掃描雙面**選項。

ADF 的預設值為單面掃描。若要變更此預設值為雙面掃描，請開啟 HP 管理員，按一下**設定**，然後按一下**掃描偏好設定**。按一下**自動**標籤，然後選擇想要指定為預設值的設定。

> **註解：** 使用 A4 或 Letter 大小的紙材進行雙面掃描。ADF 無法掃描小於 127 公釐 x 127 公釐（5 x 5 英吋）或大於 210 公釐 x 304.8 公釐（8.5 x 12 英吋）的雙面文件。

如果您是使用 TWAIN 影像軟體程式取得掃描，則 Commercial Scanjet 5590 TWAIN 軟體會提供亮度及對比的額外功能，並改善雙面掃描的效能及控制。如需更多關於安裝 Commercial Scanjet 5590 TWAIN 軟體的詳細資訊，請參閱 1 頁面上的**安裝掃描軟體**。

從 ADF 影印

您可以使用**影印**按鈕（），從 ADF 掃描多份原稿並將資料傳送至印表機。影印功能是以您上次影印的設定為預設值。針對雙面影印，請開啟 HP 管理員，然後按一下**影印**。選擇 **hp 影印**對話方塊中的**雙面**選項。如需更多資訊，請參閱 5 頁面上的**影印**。

3 如何掃描幻燈片和負片

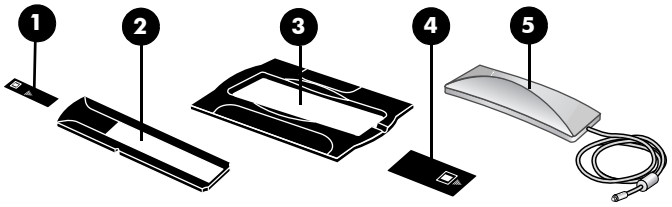
本單元包含關於安裝和使用投影片材料配接器 (TMA) 掃描幻燈片和負片的資訊。您可以使用 TMA 掃描 35 公釐的幻燈片或負片。

掃描透明項目的提示

- 要掃描比 TMA 所能接受項目的更大項目，請將投影片放在掃描器玻璃板上，將一張白紙放在投影片上，然後依一般方式掃描。
- 掃描 35 公釐的幻燈片或負片時，掃描器軟體會自動將影像放大至大約 11 公分 x 15 公分（4 x 6 英吋）。如果希望最終影像更大或更小，請使用掃描器軟體中的調整大小工具將調整比例設定為所要的最終尺寸。掃描器將以適當的解析度掃描項目並根據選擇的尺寸加以放大。
- 若要使用 TMA 掃描 35 公釐的幻燈片或負片，請按下掃描器前面的**掃描相片**按鈕 () 或按一下 HP 管理員的**掃描相片**。

安裝 TMA

TMA 包含可直接放置在掃描器玻璃板上的光源、定位板以及紙材夾。請確定您擁有 TMA 的所有元件。



TMA 元件
1- 負片光屏蔽
2- 負片夾
3- 定位板
4- 幻燈片光屏蔽
5- 光源和幻燈片夾

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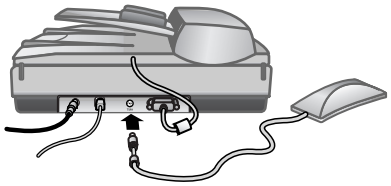
若要將 TMA 纜線連接至掃描器上的連接埠

1. 從掃描器拔掉電源纜線。
2. 在掃描器的背面找到圓形 TMA 連接埠。
3. 握住 TMA 電纜未固定端，對齊接頭使箭頭在上方。
4. 將接頭小心地插入 TMA 連接埠。

   注意！ 請勿強行將纜線插入 TMA 連接埠。強行插入纜線會造成內部插腳彎曲或損壞。
5. 重新連接電源纜線。



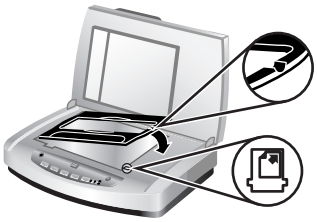
TMA 纜線和連接埠

掃描幻燈片或負片

若要掃描標準的 35 公釐幻燈片或負片，請使用 TMA 光源與定位板。針對負片，您需要負片夾。如果要掃描的幻燈片少於三張時，將需要幻燈片光屏蔽。當掃描的負片框少於四張時，將需要負片光屏蔽。

開始掃描程序

1. 將定位板放置在掃描器玻璃板上，並且使定位板上的參照標記與掃描器上的參照標記對齊。



將定位板放置在掃描器玻璃板上

2. 將幻燈片或負片插入 TMA 光源。

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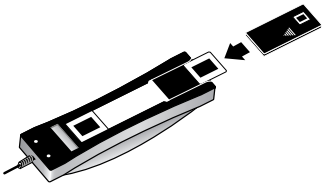
將幻燈片載入 TMA 光源

1 最多將三張幻燈片插入 TMA 光源底側的幻燈片夾中。

註解： 請確定 TMA 光源在掃描器玻璃板上定位後，發光面會朝著掃描器玻璃板。（感光劑那面是無光澤的。）

2 如果要掃描的幻燈片少於三張，則請在載入最後一張幻燈片之後插入幻燈片光屏蔽。



將幻燈片插入具有幻燈片光屏蔽的幻燈片夾中

將負片載入 TMA 光源

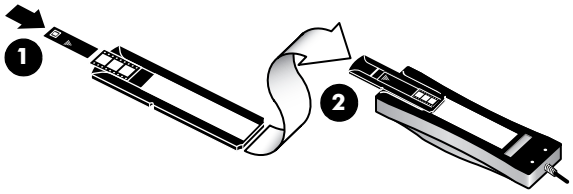
1 將負片帶載入負片夾中

註解： 請確定 TMA 光源在掃描器玻璃板上定位後，發光面會朝著掃描器玻璃板。(感光劑那面是無光澤的。)

注意！ 負片容易受損。請只接觸其邊緣。

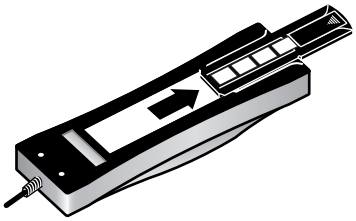
2 如果要掃描的負片帶中所包含的負片少於四張，則請在載入該負片帶之後插入負片光屏蔽。請使用負片光屏蔽上的箭頭圖示，將其正確定位。

3 將負片帶滑入 TMA 光源底側的幻燈片夾中。



1 - 將負片帶載入含有負片光屏蔽的負片夾
2 - 將負片夾滑入 TMA 光源的幻燈片夾中。

註解： 負片夾在幻燈片夾內，存放在 TMA 光源中。



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完成掃描程序

1 使有幻燈片或負片的一面朝下，將 TMA 光源放置在定位板上。TMA 纜線應該固定在參照標記所示的與定位板同一端的凹槽內。

將 TMA 光源放置在定位板上

2 按下掃描器前面的**掃描相片**按鈕（）。

3 在掃描預覽中，請選擇想要掃描的幻燈片或負片區域。按住要移動的選擇控制點，並調整區域使其適合影像的最後掃描區域。

最後掃描區域

註解： 如需有關旋轉影像、調整色彩或大小或是進行其他影像變更的資訊，請參閱 HP 相片和影像軟體說明中的**預覽時調整影像**。

4 影像調整完成時，按一下**接受**。

為了讓 TMA 光源在預設期過後仍保持亮起，請在軟體中選擇**延長燈泡逾時**設定。開啟 HP 管理員，依次按一下**設定**功能表、**掃描偏好設定**及**品質與速度**標籤。

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4 照顧和維護

本單元介紹如何照顧和維護掃描器的相關資訊。

平時清潔您的掃描器可以確保最佳效能。需要照顧的心力取決於若干因素，包括使用量、透過 ADF 送出的紙材類型和環境。您應該依需要定期執行清潔。

定期清潔和維護應該包括掃描器玻璃板、TMA 和 ADF。

注意！ 避免將邊緣銳利的物品放置在掃描器上。放置這類物品會損壞掃描器。在放置物品於掃描器玻璃上時，請確定物品沒有未乾的膠水、修正液或其他會附著在玻璃板上的物質。

清潔掃描器玻璃板

1. 從掃描器上拔除通用串列匯流排 (USB) 纜線和電源線。
2. 已將中性玻璃清潔劑噴灑在柔軟、無絨的布上擦拭玻璃板，並使用乾燥、柔軟及無絨的布將玻璃板擦乾。

   注意！ 僅可使用玻璃專用清潔劑。請勿使用腐蝕劑、丙酮、苯及四氯化碳，這些物質會造成掃描器玻璃板受損。也請避免使用異丙醇 (isopropyl alcohol)，因為其可能在玻璃板上留下痕跡。

   請勿直接在玻璃板上噴灑玻璃專用清潔劑。如果使用過多的玻璃專用清潔劑，清潔劑可能會流到邊緣並損壞掃描器。
3. 完成後，將 USB 纜線和電源線重新連接至掃描器。

   註解： 如需關於如何清潔掃描器玻璃板底側的說明，請造訪 **www.hp.com/support**。

清潔 TMA

使用乾燥、柔軟的布清潔 TMA。如果有必要，請將玻璃清潔劑少量地噴灑在乾布上並擦拭 TMA。

ADF 的清潔與維護

ADF 需不需要定期清潔取決於使用量以及透過 ADF 送出的紙材類型。當使用 ADF 掃描的影像出現垂直的條紋、ADF 上的紙材有灰塵或髒污、或周圍環境有灰塵時，請使用 HP ADF 清潔布清潔 ADF。如果一週使用 ADF 數次，建議您每月清潔一次。設定適合您掃描器的日常清潔程序。

使用下列方法清潔 ADF：

- **讓清潔布穿過 ADF**
- **清潔 ADF 視窗**
- **手動清潔進紙滾筒組件**

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讓清潔布穿過 ADF

1 打開密封的機箱，從槽口開始清潔。注意不要將清潔布碎片留在機箱內。

2 拿出清潔布並展開。

3 將展開的清潔布放入進紙匣中。

4 按下**掃描文件**按鈕 (🖹)。
清潔布會穿過 ADF。

注意！ 在繼續下一步驟之前等兩分鐘讓元件晾乾。

5 在進紙匣中放置最多五頁已列印的紙張。掃描並檢視結果。

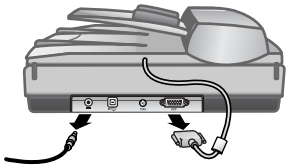
6 如果仍然出現條紋，請重覆步驟 3 至 步驟 5。
清潔布最多可以循環穿過 ADF 五次。

註解： 如果清潔布已穿過 ADF 之後，掃描的影像仍有條紋，您可能需要清潔 ADF 視窗。

清潔 ADF 視窗

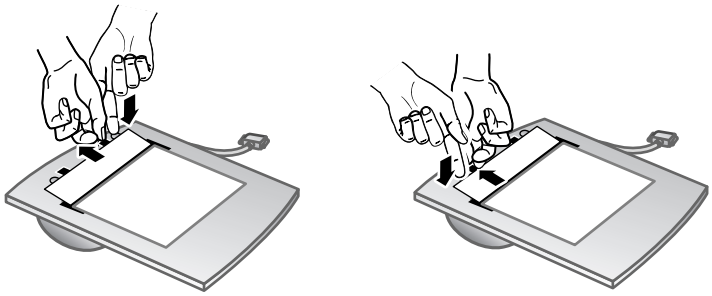
如果條紋存在於掃描的影像中，清潔 ADF 視窗可能可以解決問題。使用下列步驟取下透明的 ADF 視窗，清潔視窗並將視窗重新裝到 ADF。

1 拔下電源線，並拔下掃描器的接頭裝到 ADF。



2 打開 ADF 並將它向上提起以取下掃描器的 ADF。

3 解開 ADF 視窗。
a. 找到位於 ADF 底側，包含藍綠色矩形的透明 ADF 視窗。
b. 按下藍綠色矩形旁邊的任一插片。
c. 將藍綠色矩形拉向掃描器的角落。
d. 對於其他插片和藍綠色矩形重複這些步驟。



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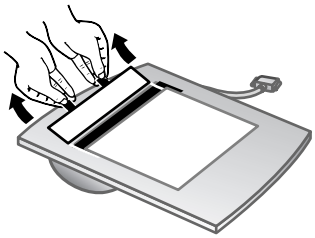
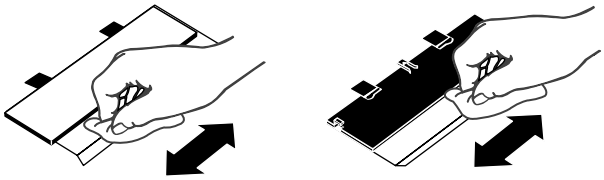
4 從 ADF 上卸下 ADF 視窗。

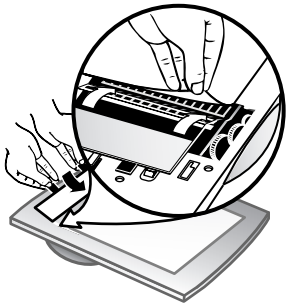


5 使用 HP ADF 清潔布或乾淨、乾燥且無絨的布來清潔塑膠的區域。在重新裝上之前請清潔塑膠區域的兩邊。確定每邊是乾燥的且無斑點。



6 重新裝上 ADF 視窗。

a. 輕輕地提起附加在 ADF 底側的大型灰色塑膠膜的邊緣。
b. 將透明的 ADF 視窗邊緣的清潔側滑入灰色的塑膠膜。
c. 將透明的 ADF 視窗滑進，直到視窗定位。
d. 確定位於光學組件中央的藍綠色小矩形，是鎖在灰色插片的下方而不是上方。



7 將 ADF 放置在掃描器上。

8 將 ADF 接頭連接到掃描器，然後將電源線連接到掃描器。

9 使用 ADF，最多可以掃描五份文件。檢視結果。如果條紋仍存在於掃描的影像中，請致電「HP 顧客支援」。可能需要訂購新的透明 ADF 視窗／光學組件 (C9915-60011)。

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手動清潔進紙滾筒組件

1 打開罩蓋，然後將綠色彈片提起至完全打開的位置。進紙滾筒組件應該是幾乎呈垂直位置。

提起綠色彈片以露出進紙滾筒

2 使用 HP ADF 清潔布 (C9915-60056)，清潔每個進送紙滾筒以及位於滾筒下方的小橡皮墊。

註解： 如果您沒有 HP ADF 清潔布，使用已沾濕異丙醇的無絨布料。

3 擦拭小橡皮墊四周區域以清除所有紙屑。

4 放下綠色彈片和進紙滾筒組件。

5 合上罩蓋。

維護 ADF

如果經常發生無法進紙的現象，請執行下列步驟：

1 手動清潔進紙滾筒組件。請參閱 **ADF 的清潔與維護**。

2 請參閱線上說明，取得解決 ADF 問題的相關資訊。

3 如果仍然無法進紙，請訂購並安裝 ADF 滾筒更換套件 (C9937-68001)。ADF 滾筒更換套件包括一個滾筒裝置、一塊分隔墊、分隔墊的螺絲和更換指示（請參閱**訂購維護用品**以取得更多資訊）。

訂購維護用品

您可以造訪 **www.hp.com/support/scannersupplies**，線上購買維護零件。例如 HP ADF 清潔布或 ADF 滾筒更換套件等項目可全球送達。

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5 疑難排解

本單元包含掃描器、自動文件進紙器 (ADF) 和投影片材料配接器 (TMA) 一般問題的解決方法。

掃描器安裝或設定問題

本單元包含安裝和設定問題的解決方案。

檢查電腦

- 請確定您的電腦符合本掃描器包裝盒外以及線上說明檔案中關於**掃描器安裝或設定問題**章節所列的最低系統需求。
- 若您沒有足夠的硬碟空間，請移除不需要的檔案或在不同的磁碟機中安裝本軟體。

使用管理權限

如果要在 Microsoft® Windows® 2000 或 Windows XP 系統上安裝掃描器，您必須以管理員身份登入。請參閱作業系統說明以瞭解如何以管理員身份登入。

使用有效的資料夾

在 Microsoft Windows 電腦上，如果在安裝期間收到「無效的目的地目錄」或「無效的程式資料夾」等訊息，您可能沒有該資料夾的讀取／寫入權限。

檢查纜線

纜線類型	措施
電源線	將電源線連接在掃描器和交流電源插座之間。 • 請檢查電源線是否已穩固地連接在掃描器與通電的電源插座或電湧保護器之間。 • 若電源線連接至電湧保護器，請確定該電湧保護器已插入電源插座且已開啟。 • 請依序將電源線從掃描器上拔掉，並關閉電腦。60 秒之後，重新連接掃描器電源線，然後開啟電腦。
USB 纜線	將 USB 纜線連接在掃描器和電腦之間。 • 使用本掃描器隨附的纜線。其他的纜線可能與本掃描器不相容。 • 確定 USB 纜線是否已穩固地連接在掃描器和電腦之間。 如需其他 USB 疑難排解資訊，請造訪 **www.hp.com/support**，選擇您所在的國家／地區，然後使用搜尋工具尋找 USB 疑難排解主題。

Macintosh 使用者：請使用「蘋果系統設置」來確認掃描器是否正確連接到電腦上。

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掃描器起始或硬體問題

本單元包含起始和硬體問題的解決方案。

重設掃描器

- 如果在嘗試使用掃描器時收到類似「掃描器起始失敗」或「找不到掃描器」的錯誤訊息，請使用下列程序：
  a. 若 HP 掃描軟體已開啟，請將之關閉。
  b. 拔下連接掃描器和電腦的纜線。
  c. 請拔下電源線以關閉掃描器。
  d. 關閉電腦電源，等待 60 秒鐘，然後再次開啟電腦電源。
  e. 重新連接電源線以開啟掃描器電源。
  f. 重新連接電腦和掃描器之間的纜線（如有可能，請使用電腦上不同的 USB 連接埠）。
- 掃描器前面板上的 LCD 中顯示出「00」即表明發生了 USB 連接錯誤。請檢查 USB 纜線是否已牢牢連接在掃描器與電腦之間。
- 確定 USB 纜線已正確地連接至掃描器背面。纜線（接頭）一端的 USB 符號應朝上。如果連接正確，USB 接頭會稍微有點鬆弛。如果連接不正確，USB 接頭會很緊。
- 嘗試將 USB 纜線連接至電腦上的不同 USB 連接埠。

如果掃描器仍然起始失敗，請執行「維修」公用程式（僅限 Windows 電腦）。如需更多關於修復公用程式的資訊，請參閱**掃描器無法正常運作**。

掃描器無法正常運作

如果掃描器停止掃描，請依序完成下列步驟。每個步驟完成後，請開始掃描以查看掃描器是否正常運作。如果問題繼續發生，請繼續下一步驟。

- 纜線可能鬆脫。請確定 USB 纜線和電源線均已穩固地連接。
- 從電源插座上拔除電源線，等待 60 秒鐘，然後插回電源線。
- 重新啟動電腦。
- 電腦可能存在軟體衝突。您可能需要重新安裝 HP 相片和影像軟體。若要這麼做，請執行修復公用程式（僅適用 Windows 電腦）。
  a. 按一下**開始**，按一下**設定**，然後按一下**控制台**（在 Windows XP 中，按一下**開始**，然後按一下**控制台**）。
  b. 按一下**新增／移除程式**，然後選擇 **HP 相片和影像**軟體。
  c. 按一下**新增／移除**（或**變更**，視您的 Windows 版本而定）。
  d. 請遵照電腦螢幕上的指示執行，然後按一下**修復**。
- 將掃描器安裝在另一台電腦上這將有助於確定問題是與電腦還是與掃描器有關。

如果掃描器仍然無法運作，請造訪 **www.hp.com/support** 或與 HP 顧客支援聯絡。如需更多關於支援的資訊，請參閱 20 頁面上的**產品支援**。

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其他疑難排解資訊

要解決掃描器的其他問題，請使用說明系統。若要存取說明，請開啟 HP 管理員，按一下**說明**，然後按一下 **HP Scanjet 5590 掃描器說明**。本說明系統提供關於 HP Scanjet 5590 掃描器和 HP 相片和影像軟體本身的資訊。

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6 產品支援

本單元包含支援資訊，其中包括電話號碼和網站資訊。

無障礙網站

身心障礙的客戶，請造訪 **www.hp.com/hpinfo/community/accessibility/prodserv/**。

hp scanjet 網站

請造訪 **www.hp.com** 以取得各種資訊：

- 瞭解更有效、靈活地操作掃描器的提示
- 取得 HP Scanjet 驅動程式更新和軟體
- 註冊產品
- 訂閱新聞通訊、驅動程式和軟體更新及支援警示
- 購買配件

支援流程

為提高 HP 的支援效率，請依序執行下列步驟：

1. 檢視軟體和掃描器的電子說明，包括疑難排解章節。
2. 移至 HP 顧客支援網站以取得支援。如果您可以連線到網際網路，便可以取得廣範圍的掃描器相關資訊。請造訪 HP 網站以取得產品說明、驅動程式及軟體更新，網址 **www.hp.com/support**。HP 顧客支援網站提供以下幾種語言的服務：荷蘭文、英文、法文、德文、義大利文、葡萄牙文、西班牙文、瑞典文、繁體中文、簡體中文、日文、韓文。（丹麥、芬蘭與挪威只提供英文的支援資訊）。
3. 使用 HP 電子支援。如果您可以連線到網際網路，便可以進入 **www.hp.com/support** 利用電子郵件與 HP 聯絡。您將會收到由 HP 產品支援技術人員給您的答覆。該網站列出支援電子郵件的語言。
4. 聯絡當地的 HP 經銷商。如果掃描器發生硬體故障，請將掃描器送到當地的 HP 經銷商處進行檢修。在掃描器有限擔保期內服務免費。期限過後，經銷商將酌收服務費。

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5 請用電話與 HP 產品支援中心聯絡以取得支援。請造訪下列網站，找出您所在國家／地區的電話支援詳情與條件：**www.hp.com/support**。由於 HP 一直致力於改善電話支援服務的水準，因此建議您經常查閱 HP 網站，以取得有關服務項目與方式的最新資訊。如果透過上述方式都無法解決問題，請使用電腦與掃描器旁邊的電話聯絡 HP。為更快獲得服務，請準備好下列資訊：

— 掃描器的型號（在掃描器上）
— 掃描器的序號（在掃描器上）
— 電腦的作業系統
— 掃描器軟體的版本（在掃描器的 CD 標籤上）
— 發生問題時所顯示的訊息

HP 電話支援服務的適用條件如有變更，恕不另行通知。

除非另有說明，否則自購買日起至指定期限內，您可以獲得免付費的電話支援：

位置	電話支援期限
非洲	30 天
亞太地區	1 年
加拿大	1 年
歐洲	1 年（請參閱下表以取得每個國家／地區的詳細資料。）
拉丁美洲	1 年
中東地區	30 天
美國	1 年

在美國的電話支援

保固期內和過期後都可以獲得支援。

在保固期內，您可以獲得免付費的電話支援服務。致電 800-HPINVENT (800-474-6836)。

在美國的電話支援提供英文與西班牙文服務，每週 7 天，每天 24 小時（支援天數與時數如有變更，恕不另行通知）。

擔保期過後，請致電 800-HPINVENT (800-474-6836)。每解決一個問題收費 25.00 美元，並從您的信用卡扣除金額。如果您認為您的 HP 產品有維修的需求，請撥電話給 HP 產品支援中心，由技術人員幫您判斷是否應進行維修。

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歐洲、中東地區及非洲的電話支援

HP 產品支援中心電話號碼和政策可能會變更。請造訪下列網站，找出您所在國家／地區的電話支援詳情與條件：**www.hp.com/support**。

土耳其	+90 216 579 71 71
丹麥	+45 70202845
巴林	+973 800 728
比利時	+32 070 300 005（荷蘭語） +32 070 300 004（法語）
以色列	+972 (0) 9 830 4848
匈牙利	+36 (0) 1 382 1111
西班牙	+34 902 010 059
希臘	+30 10 60 73 603
沙烏地阿拉伯	+966 800 897 1444
波蘭	+48 22 865 98 00
法國	+33 (0) 8 92 69 60 22（0.34 歐元／分鐘）
芬蘭	+358 (0)203 66 767
阿拉伯聯合大公國	+971 4 883 845
阿爾及利亞	+213 (0) 61 56 45 43
俄羅斯聯邦	+ 7 095 797 3520（莫斯科） +7 812 346 7997（聖彼得堡）
南非	086 000 1030（南非共和國國內） +27-11 258 9301（南非共和國以外地區）
突尼西亞	+216 1 891 222
英國	+44 (0)870 010 4320
埃及	+20 02 532 5222
挪威	+47 815 62 070
烏克蘭	+7 (380 44) 490-3520
捷克共和國	+42 (0) 2 6130 7310
荷蘭	0900 2020165（每分鐘 0.10 歐元）
斯洛伐克	+421 2 6820 8080
奧地利	+43 (0) 820 87 4417
愛爾蘭	+353 1890 923902
瑞士	+41 0848 672 672（德語、法語、義大利語 － 尖峰時間 0.08 CHF ／非尖峰時間 0.04 CHF）
瑞典	+46 (0) 77-120 4765
義大利	+39 848 800 871
葡萄牙	+351 808 201 492
德國	+49 (0)180 5652 180（0.12 歐元／分鐘）
摩洛哥	+212 224 04747

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盧森堡	900 40 006（法語） 900 40 007（德語）
羅馬尼亞	+40 1 315 44 42

世界各地的其他電話支援

HP 產品支援中心電話號碼和政策可能會變更。請造訪下列網站，找出您所在國家／地區的電話支援詳情與條件：**www.hp.com/support**。

千里達及托巴哥	1 800 7112884
中美洲和加勒比海	+1 800 711 2884
中國	+86 (21) 3881 4518
巴西	0800 157751 (11) 3747 7799
巴拿馬	001 800 7112884
日本	0570 000 511（日本以內地區） +81 3 3335 9800（日本以外地區）
牙買加	0-800-7112884
加拿大	+1 800 hpinvent (or +1 800 474 6836) +1 905 206 4663（密西沙加區域內）
台灣	+886 0 800 010055
瓜地馬拉	1800 999 5105
印尼	+62 (21) 350 3408
印度	1 600 447737
多明尼加共和國	1 800 7112884
奈及利亞	+234 1 3204 999
委內瑞拉	01 800 4746 8368
波多黎各	+1 877 2320 589
阿根廷	+54 11 4778 8380 0 810 555 5520
美國	1 800 474-6836 (800 HPINVENT)
香港特別行政區	+852 2802 4098
哥倫比亞	01 800 011 4726
哥斯大黎加	0 800 011 0524
泰國	+66 (0) 2 353 9000
祕魯	0 800 10111
紐西蘭	+64 (9) 356 6640
馬來西亞	+60 1 800 805 405
智利	800 360 999
菲律賓	+ 63 (2) 867 3551
越南	+84 (0) 8 823 4530

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新加坡	+65 6272 5300
墨西哥	01-800-4726684 (55) 5258 9922
澳大利亞	+63 (3) 8877 8000（或本地 (03) 8877 8000）
韓國	+82 1588-3003（漢城） 0 80-999-0700（漢城以外地區）

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7 管制資訊及產品規格

本單元包含 HP Scanjet 5590 掃描器和配件的管制資訊及產品規格。

掃描器規格 （指示的 ADF）

名稱	描述
掃描器類型	平台式自動文件進紙器 (ADF)
ADF 的重量	5.7 公斤 （12.6 磅）
ADF 的大小	488 公釐 x 340 公釐 x 162 公釐 （19.21 x 13.39 x 6.38 英吋）
掃描元件	充電耦合裝置
介面	高速 USB 2.0
光學解析度	2400 x 2400 dpi 硬體
可選取的解析度	調整比例為 100% 時為 12 dpi 至 999,999 增強 dpi
交流電壓	北美為 100-120 V 60 Hz； 歐洲大陸、英國、澳洲為 200-240 V 50 Hz； 世界其他地區為 100-240 V 50 Hz/60 Hz
耗電量及管制資訊	如需耗電量資料、電源供應器的資訊以及管制資訊，請參閱 HP 相片和影像軟體 CD 上的 regulatory_supplement.htm 檔案。
	HP Scanjet 5590 掃描器 符合 ENERGY STAR® 標準。作為 ENERGY STAR® 的合作夥伴，Hewlett-Packard 公司已確定此產品符合 ENERGY STAR® 的能源效率規範。

投影片材料配接器 (TMA) 規格

名稱	描述
紙材類型	三張 35 公釐的幻燈片或一個 35 公釐的負片帶
紙材容量	幻燈片：1.05 公釐至 1.9 公釐厚和 49.8 至 50.8 公釐 （任一邊）
大小	287 公釐 x 84 公釐 x 50 公釐 （11.3 x 3.3 x 1.97 英吋）
重量	346 克 （0.763 磅）
電力需求	12.0 V DC，575 mA，6.9 W< （由掃描器提供）

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自動文件進紙器 (ADF) 規格

名稱	描述
大小	475 公釐 x 320 公釐 x 92 公釐（18.7 x 12.6 x 3.6 英吋）
重量	2.46 公斤（5.4 磅）
紙匣容量	50 張 75 g/m^2（20 磅）雪銅紙
最大紙張大小	單面掃描：210 公釐 x 355.6 公釐（8.5 x 14 英吋） 雙面掃描：210 公釐 x 304.8 公釐（8.5 x 12 英吋）
最小紙張大小	單面掃描：89 公釐 x 127 公釐（3.5 x 5 英吋） 雙面掃描：127 公釐 x 127 公釐（5 x 5 英吋）
最大紙張重量	90g/m^2（24 磅）
電力需求	1.0 A，32 V，32 W（掃描器輸出） 800 mA，19 W（峰值）625 mA，15 W（標稱值）

掃描器、ADF 和 TMA 的環境規格

名稱	描述
溫度	操作掃描器和 TMA：10° 至 35° C（50° 至 95° F）
	操作 ADF：10° 至 30° C（50° 至 85° F）
	存放：-40° 至 60° C（-40° 至 140° F）
相對濕度	操作掃描器、ADF 和 TMA：15 % 至 80 % 非冷凝 10° 至 35° C（50° 至 95° F）
	存放：在 0° 至 60° C 或（32° 至 140° F）時高達 90%

購買配件

您可以在當地的零售商購買配件，或透過 **www.hpshopping.com** 線上購買（僅限美國）。其他國家／地區，請造訪 **www.hp.com** 選取您的語言。然後選取消費區。

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