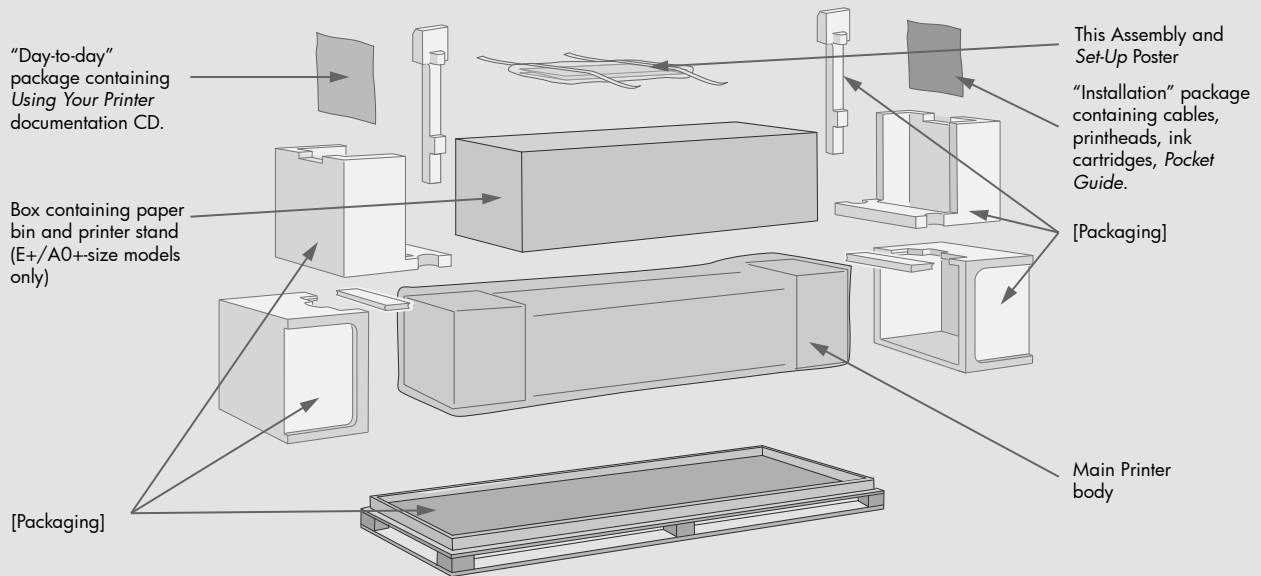


HP Designjet 5XX series printers



Assembly and Set-Up Instructions

1. Check the Contents of the Package



Check the items shown and notify your supplier if any are missing. *Don't* open the items until you are prompted to do so on this Poster. The packaging varies between models; there may be additional items in the box.

Contents of This Poster

1. Check Contents of the Package
2. Unpack the Main Components
3. Assemble the Stand
4. Attach the Stand to the Printer
5. Assemble the Paper Bin
6. Locate the Front-Panel Overlay and Pocket Guide
7. Switch On, Choose Language
8. Insert Ink Cartridges
9. Replace Set-Up Printheads with Active Printheads
10. Load a Roll of Paper
11. Understand Printer Connections
12. Install and Connect a LAN Card
13. Using a USB Connection
14. Set Up Your Software

The information on this poster applies to the following HP products:

- HP Designjet 5XX Series
- Stand and Paper Bin available as accessory.

If you are installing an **accessory**, such as a stand, after the main installation has been completed, use the instructions that came with the accessory. If you are installing it at the same time as the main installation, read the appropriate stages of this Poster.

For accessory cards, see "Understand Printer Connections" and the documentation that comes with these accessories.

Read these instructions carefully...

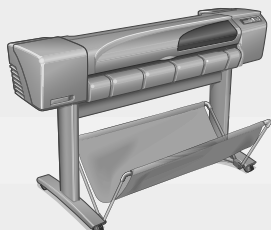
and complete each stage before you start the next.

What You Will Need to Do the Job

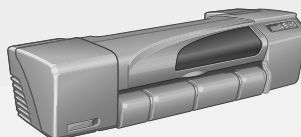
- Because some of the components of the printer are bulky, you will need **2 or 3 people** to lift them. See the descriptions that follow for details—a symbol like this is used:



- You are recommended to have a floor area of approximately **6 square metres** for unpacking and assembling your printer.
- The time required to unpack, assemble and set up the hardware is about **30 to 90 minutes**, depending on the model and components (e.g. the stand).

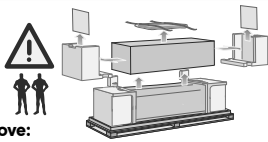


The E+/A0+ size printer with stand and paper bin as standard.



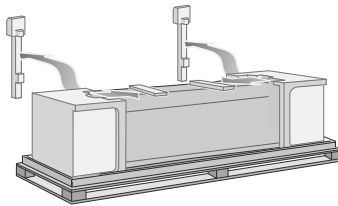
The D/A1 size printer with no stand or paper bin as standard. If you have ordered a stand and paper bin and are installing it now, follow these instructions, as for a E+/A0+ size model.

2. Unpack the Main Components



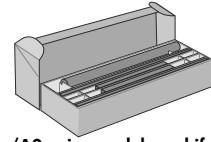
1-Remove:

- (E+/A0+-size model) The large box containing the stand and paper bin. Two people may need to do this, as it's rather large.
- The two packages containing documentation, cables, etc.
- The foam packaging that protects the ends of the printer.



2-Remove:

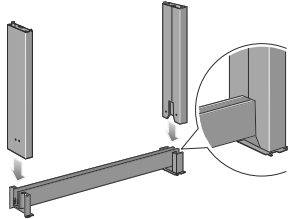
- The foam restraints on top of the printer.
- The vertical foam struts at the back of the packaging.



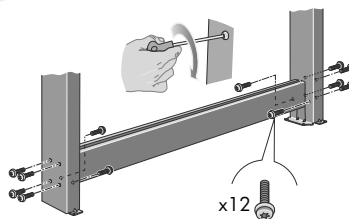
3-For E+/A0+-size models and if you have the stand accessory use the poster supplied with it, open the box—that contains the stand and the paper bin—it's the large box above the main printer body.

3-For models without a stand, go to Stage 6: Locate the Front-Panel Overlay and the *Pocket Guide* on page 4.

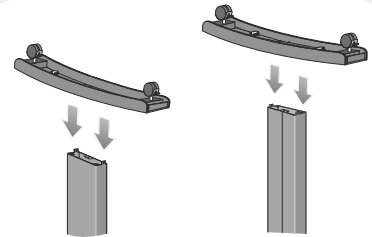
3. Assemble the Stand For assembly of the accessory stand, use the poster supplied with it.



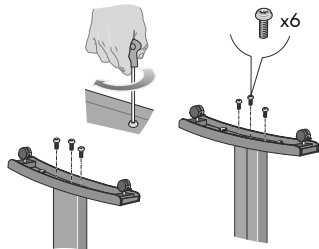
1-Attach the legs to the outside of the cross brace. Note that the stand is assembled upside-down. You'll find the screws and screwdriver inside the cross brace.



2-Insert twelve screws into the legs. Use the smaller screws with washers.

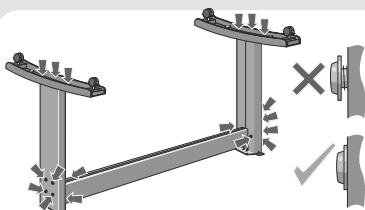


3-Position the feet on the legs assembly. The wings on the leg brackets pass through the feet.

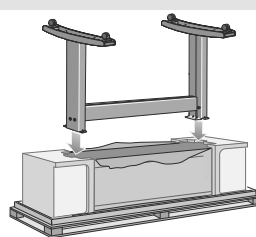


4-Secure the feet to the legs with six screws. Again, use the smaller screws with washers.

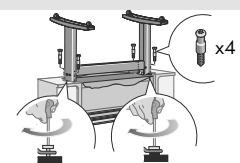
4. Attach the Stand to the printer For assembly of the accessory stand, use the poster supplied with it



1-Check that all the stand screws are tight. If you can't tighten all the screws properly, try unscrewing one or two so that the legs, feet and cross braces are properly aligned, and then retighten them.

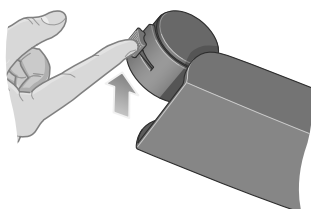


2-Put the stand assembly onto the printer. Peel open the protective cover and then place the stand onto the printer.

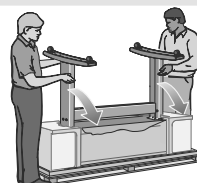


3-Secure the stand with the four screws that have large flat heads. Two screws (on one leg) are secured normally.

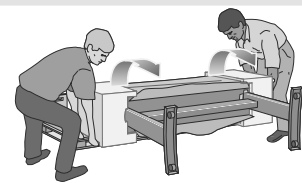
CAUTION: Two of the screws on the same leg will appear to be not fully tightened, as they will not go in as far as the others—they should be firm but not over tight.



4-Ensure all four brakes are applied, as shown.

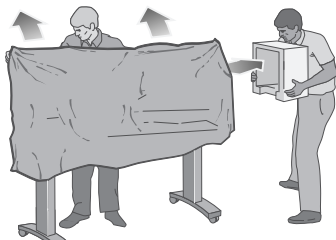


5-Tilt and lift the printer (1):
WARNING: 2-3 people for the E+/A0+-size model; 2 people for the D/A1-size model.
CAUTION: Ensure the area in front of the printer is clear of any obstacles such as packaging or rolls of paper.

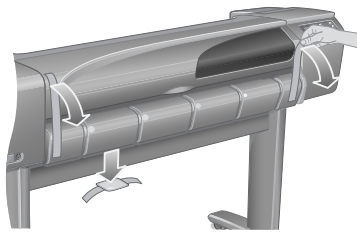


6-Tilt and lift the printer (2): Tilt the printer through 90-degrees onto its side, and then stand it up on its legs. The printer may seem a little wobbly on one side, but that is correct provided the screws have been tightened as indicated in previous steps.

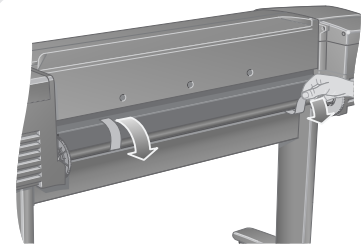
4. Attach the Stand to the printer (continued) For assembly of the accessory stand, use the poster supplied with it



7-Remove the plastic covering and foam end caps.

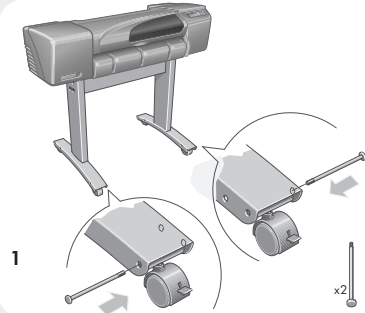


8-Remove the tapes from the window and the spindle. Remove also the small bag of desiccant material

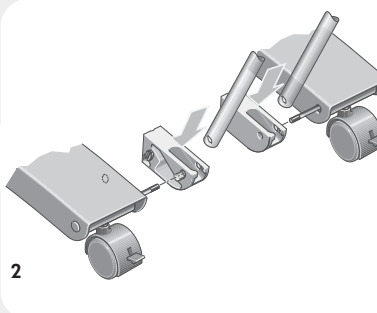


9-Remove the tapes from the spindle at the back of the printer.

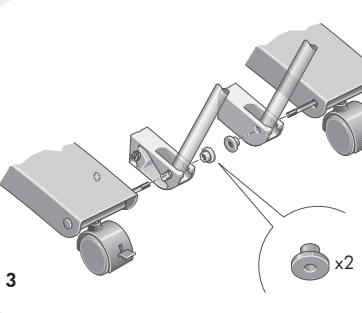
5. Assemble the paper Bin For assembly of the accessory stand, use the poster supplied with it



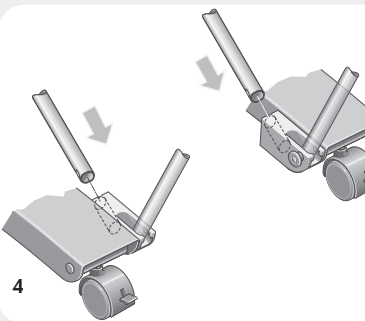
1



2



3



4



5



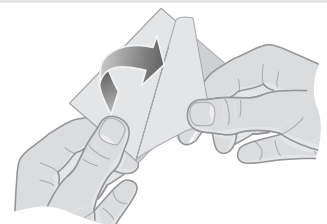
6

6. Locate the Front-Panel Overlay and Pocket Guide (all models)

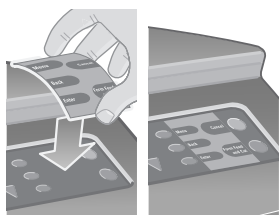
NOTE: If your printer is an HP Designjet 510 you will not find the front-panel overlay and can skip steps 2 and 3.

1-From the red documentation package (the "installation pack") remove:

- The Front-Panel overlay, for use in the next step.
- The *Pocket Guide*, for use in the next step.
- The ink cartridges, for use in "Insert Ink Cartridges" on page 4.
- The printheads, for use in "Replace Set-Up Printheads with Active Printheads" on page 5.
- The cables, for use in "Switch On and Choose a Language" on page 4 and "Install and Connect a LAN Card" on page 7.



2-Front-Panel Overlay (1) The overlay for the Front Panel of the printer is in the "Installation pack" of documentation and other items. Peel off the backing.



3-Front-Panel Overlay (2) Carefully stick the overlay onto the Front Panel, which is at the right side of the front of the printer.

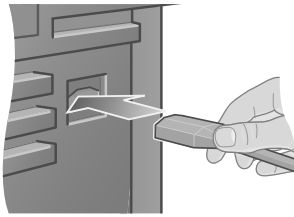


4-The Pocket Guide is also in the "Installation pack" of documentation and other items. It contains important information for the use of the printer.

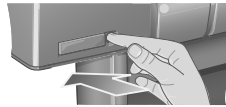
7. Switch On and Choose a Language (all models)

WARNINGS

- When the printer is powered on, keep objects such as hair, jewelry and clothing away from the printer mechanisms.
- Make sure that the power cord supplied with your printer matches your AC power outlet connection. Only use a three-wire (earth-grounded) power cord with this printer.



1-Plug the power cord into the socket at the back of the printer and then into the AC power outlet.

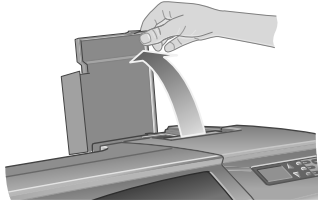


2-Switch on if the printer doesn't automatically come on: The printer's On/Off switch is located on the front left of the printer. It is a simple push-button switch with a green light (LED) to indicate when it is On. Switch the power on by pressing the button once. If there is no sound from the printer and no light on the switch's LED, you have a power problem. Check the power cord connections and power source.

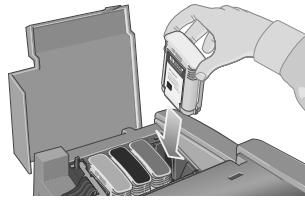


3-Select a language: After up to a minute, the printer's front-panel menu will invite you to set the language. The menus are available in the following languages: English, Italian, Portuguese, German, French, Spanish, Catalan, Japanese, Korean, Traditional Chinese, and Simplified Chinese. On the front panel, press the Δ or ∇ key until the language you want is highlighted. Then press the **Enter** key to select the language.

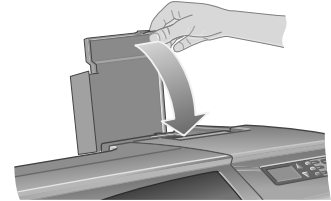
8. Insert Ink Cartridges (all models)



1-Open the ink cartridge cover and remove the packaging from the ink cartridges, which are in the "Installation pack" of documentation and other items.



2-Insert the ink cartridges into their correct positions. Colored labels on the ink cartridges must correspond with the same colored labels on the printer. Note: HP Designjet 500 Mono has only one ink cartridge.

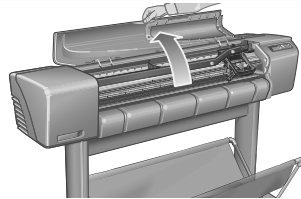


3-Close the ink cartridge cover. The printer starts to initialize its ink system as soon as the last cartridge is inserted. Wait for about a minute until this has finished.

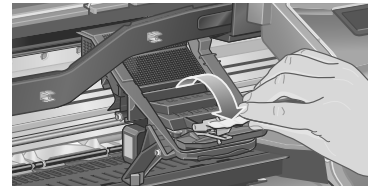
9. Replace Set-Up Printheads with Active Printheads (all models)

The set-up printheads are provided to protect the ink system while the printer is being transported from the factory, and to fill up the ink tubes inside the printer when it is first initialized. They must be replaced by active (normal) printheads when the printer's tubes have filled with ink.
Set-up printheads cannot be used for printing. It is important not to remove the set-up printheads too early, as they are required while the printer is being initialized.

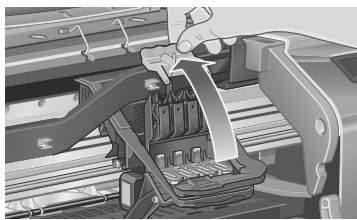
When you have removed the set-up printheads (as described in this stage), you should throw them away, as they cannot be used for printing and are not needed any more.



1-When you are prompted to do so in the front panel, open the window and locate the carriage assembly. This will be accessible once the ink tubes and set-up printheads have filled with ink.



2-Release the latch on the printhead cover. You may need to hold this latch up out of the way during the next steps.



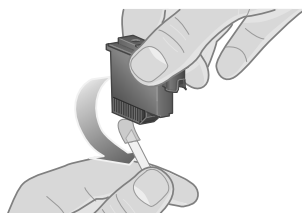
3-Lift up the printhead cover; this will give you access to the set-up printheads.



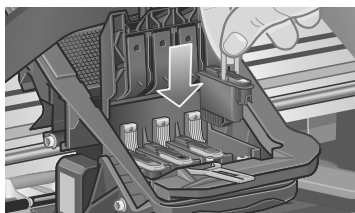
4-To remove a set-up printhead, lift up the blue handle. Note: HP Designjet 500 Mono has only one set-up printhead.



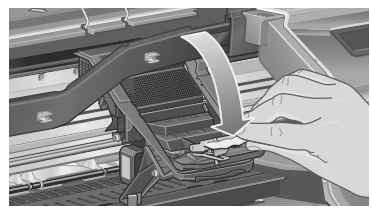
5-With controlled force pull the blue handle upwards until the printhead is released from the carriage assembly.



6-Remove the tape from the new printheads.



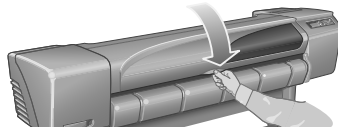
7-Insert a new normal printhead ensuring that the colored label on the printhead corresponds to that on the printhead slot.



8-When you have replaced all the set-up printheads with normal printheads, pull the printhead cover down over the printheads, ensuring that the cover hooks over the latch.



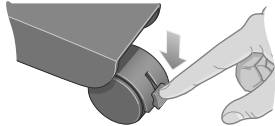
9—Close the latch on the printhead cover. The latch may feel rather stiff, but don't worry as it needs some pressure to close it.



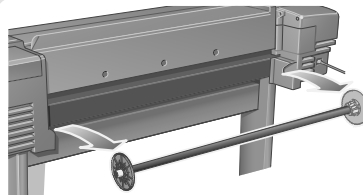
10—Close the window. After the replacement of the set-up printheads, the printer checks that the normal printheads are functioning correctly. This may take several minutes. You will be prompted to accept **Printhead Alignment**—correct alignment of the printheads is essential for good-quality printing. For this you will need to load paper, as described in the next stages.

10. Load a Roll of Paper (all models)

The printer will now use a certain amount of paper for checking and calibration. (If you prefer to use sheet paper, see the *Pocket Guide* for loading instructions.)



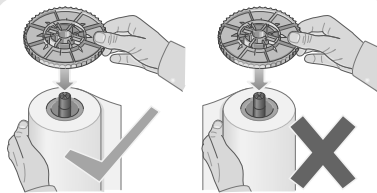
1—If your printer has legs, make sure the printer wheels are locked (the brake lever is pressed down) to prevent the printer from moving.



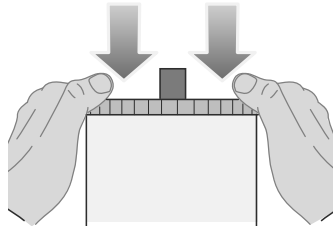
2—At the back of the printer, remove the empty spindle by pulling firmly on each end as indicated.



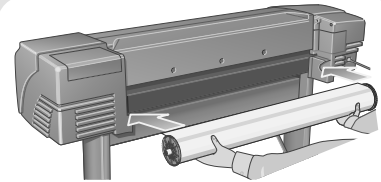
3—The spindle has a stop at each end to keep the roll in position. The stop that is colored blue can be removed to mount a new roll; it slides along the spindle to hold rolls of different widths. Remove the blue-colored stop from the spindle end, and stand the spindle vertically, with the fixed stop on the floor.



4—Slide the new roll of paper on to the spindle. Make sure the orientation of the paper is loaded exactly as shown. If it is not, remove the roll, turn it through 180 degrees vertically and slide it back on to the spindle.



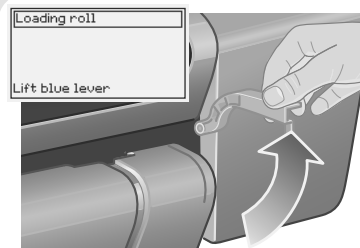
5—Put the removable stop on to the upper end of the spindle, and push it down as far as it will go.



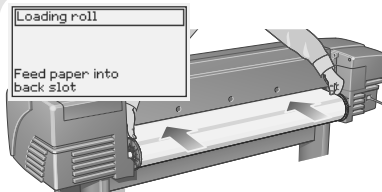
6—With the blue-colored roll stop on the right (as seen from the back of the printer), slide the spindle into the printer left and then right as shown by the arrows. The paper should orient on the roll exactly as shown.



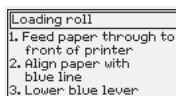
7—A front-panel message prompts you to load paper to align the printheads. Press the **Enter** key. Then, as above left, select **Load roll** (or **Load sheet**, if you prefer—see the *Pocket Guide* for loading instructions) and press **Enter**. Using the Δ or ∇ keys, select the type of paper loaded (see above right) and press the **Enter** key. (If in doubt, you should find the 'type' of the paper on its box.)



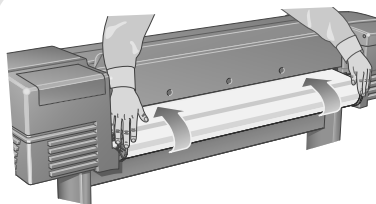
8—Lift the blue paper-load lever.



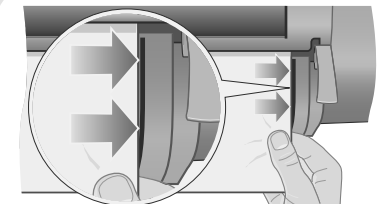
9—From the front of the printer lean over the top and feed the paper towards you into the slot at the back of the printer, as shown here. (You may find it easier if the paper bin is pushed back out of the way.)



10—Follow the prompts (see steps 11 to 13). Try to avoid touching the paper in the middle (keep your fingers as close as possible to each edge). Handle glossy paper by the edges or wear cotton gloves. Skin oils can interact with the ink and cause it to smear.



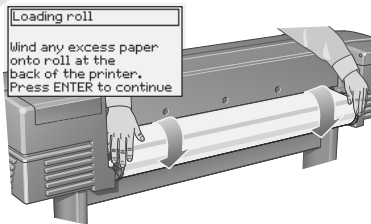
11—Leaning over the printer, feed the paper through towards the front.



12—At the front of the printer, align the paper against the blue line as shown here.



13—Lower the blue paper-load lever. The printer checks the alignment of the paper. If it is not correctly aligned, the front panel displays help instructions. The printer trims the edge of the roll.



14—If there is an excess of loose paper wrap it back onto the roll by turning the roll; then press **Enter**.

15—The printer will now print its alignment pattern, using the paper you have loaded. If there is a problem printing, check the front panel error messages. Explanations of these messages are in the *Pocket Guide*.

You should not cancel the alignment print as correct alignment of the printheads is essential for good-quality printing. You may also be prompted to let the printer perform its Color Calibration routine. Again, don't cancel this as it will help ensure that the colors printed are best for the paper you have loaded. **Printhead Alignment** and **Color Calibration** are different processes and should both be done when required. They are briefly described in the *Pocket Guide* and more fully in the online *User's Reference Guide*.

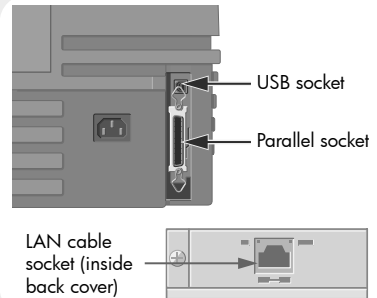
11. Understand Printer Connections (all models)

If you have purchased a network card, for connecting your printer to a local area network (LAN), now is a good time to install it—see Stage 12. Also install now any HP-GL/2 Accessory card and any additional memory for your Accessory card. See the instructions packaged with these items for full information on how to install them. The HPL/2 Accessory card is installed in much the same way as a LAN card, as in Stage 12. See Stage 12 for connecting a LAN cable.

Sockets for connecting your printer to a computer or to a network

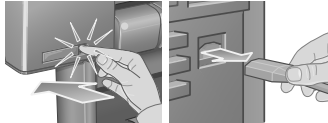
The diagram on the right shows the sockets (or "ports") that you can use.

- The USB and parallel sockets are at the back of the printer, alongside the mains socket.
- The LAN cable socket is inside the back cover of the printer—see Stage 12 on for how to access it.



12. Install and Connect a LAN Card (all models)

NOTE: An internal **HP JetDirect Print Server** may already be installed in your printer, inside the compartment at the top left rear of the printer. If it is, skip to step 8 below.



1—Before installing a card, switch off the printer and unplug it from the mains electricity supply.

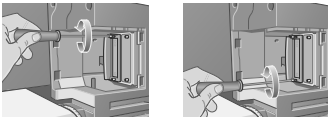


2—Carefully remove the plastic cover from the left-hand back of the printer by unclipping it. This cover gives access to the two slots for an Accessory card and a LAN card.

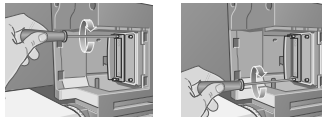
- Press in the thumb-tab on the side furthest from the edge that has the cable-hole.
- Ease the cover out in the direction of the embossed arrow, pivoting it by the hinge clips on the side that has the edge cable-hole.



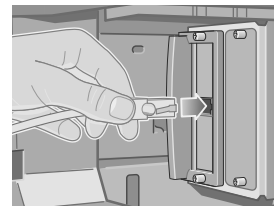
3—Remove the cover completely. Inside the compartment there are two slots for a LAN card or an Accessory card. You can use either slot for either card, but we recommend putting a LAN card on the left (nearer to the front of the printer) and an Accessory card on the right. In this way the cable from the LAN card can easily pass through the slot in the door.



4—To insert a LAN card (or an Accessory card), remove the metal cover from the appropriate slot by unscrewing its two screws. You can use a screwdriver or do it manually.



5—When you have inserted the card, screw it into place, using its two screws (at the top and bottom of the card). Again, this can be done with a screwdriver or manually.



6—Insert the LAN cable into the LAN card—it is simply pushed into place with a click.



7—Carefully replace the plastic cover by clipping it back into place:

- Put the two hinge clips on the side that has the edge cable-hole into their slots.
- Swivel the cover in the direction opposite to the embossed arrow and clip the other two tabs on the opposite side into their slots. Ensure that the LAN cable passes correctly through the edge cable-hole (shown by the yellow arrow) and avoids touching the roll of paper on the spindle.

8—Network Printer: To obtain the information you'll need when you install the software:

- Go to the **Set-up** menu in the printer's front panel.
 - Select **I/O Set-up** and press **Enter**.
 - Select **Card ID** and press **Enter**.
- There you will find the hardware address of your printer, as **MAC=xxxxxxx**.

You may also require an IP address or an AppleTalk name, for which the software will prompt you.

You have now finished the hardware assembly and set-up of your printer.

Now you are ready to start the software set-up. Move on to stage 13 below.

13. Set up your Software (for Mac see next page)

Note: If you want to use the ADI driver with the 500 plus series printer, please select '500 + hp-gl/2' from the printer list.

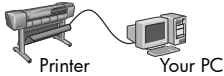
Windows



Use the 'Software setup' CD

How will this printer be connected to your computer?

Connect directly to the computer (parallel or USB cable)



Connected via the network



1. Make sure the printer is properly set up, turned on, and ready to print.
2. Make sure the printer is connected to your computer via a parallel or USB cable (if using the USB cable, a "Hardware Wizard" screen appears, press "Cancel") and that all the cable connections are connected properly.
3. Insert the HP Designjet Printers 'Software Setup' CD and answer the questions. (If the CD does not start automatically, run the 'setup.exe' program in its root folder).
4. Follow the instructions to complete the software setup.

1. Connect the printer to the network.
2. Make sure the printer is properly set up, turned on, and ready to print.
3. Insert the HP Designjet Printers 'Software Setup' CD and answer the questions. (If the CD does not start automatically, run the 'setup.exe' program in its root folder).

Select the type of network Setup

Basic Network Setup

The printer will be set up and managed directly over the network by this computer.



4. When you get to the Network Setup screen, select **Basic network setup for a PC or server.**

Client Setup

The printer is already set up as a shared device on the network and is managed by a server or another PC.



4. When you get to the Network Setup screen, select **Client setup for client-server printing.**
5. Follow the instructions to complete the software setup.

Macintosh 5XX series

Driver installation



1. Connect the cable from your computer or network to the HP Designjet 5XX series printer.
2. Insert the *HP Designjet software setup* CD into your CD-ROM drive, open the CD icon on your screen, and look for this icon:
 - 'OS X HP Dj 5XX setup' (for Mac OS X Native)
3. Double-click the icon to launch the installer, and then follow the on-screen instructions.
Note: We recommend that you select 'Easy Install' to install all elements.
4. When the installation has finished, remove the CD from the CD-ROM drive.
5. If you are connecting your printer directly to your computer with a USB cable, see 'Connect with a USB cable' below. If you are connecting your printer to a network, see 'connect via the network' below.

How will this printer be connected to your computer?

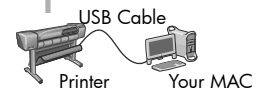
Connect via the network



1. Make sure that the printer is on and connected to a working Ethernet network, and that all computers in the network are on and connected (including hubs and routers).
2. Go to your printer's front panel and select the Setup icon, then I/O setup, Fast Ethernet (or Gigabit Ethernet), Show configuration. Make a note of the printer's MAC address; you may need it to identify the printer later.
3. Open the Print Center or Printer Setup Utility, as follows:
 - a. Select the Finder icon on your desktop.
 - b. Click the Applications icon in the top right corner of the Finder window.
 - c. Select 'Utilities' from the list of applications.
 - d. Select 'Print Center' or 'Printer Setup Utility' from the list of utilities.
4. Click the Add button. The Printer List dialog box is displayed. Ensure that Rendezvous is selected in this dialog box.
5. Click on the name of the printer. If you cannot identify the printer by name (if there is more than one printer with the same name), use the mDNS Service Name that you noted in step 2.
6. The connection is configured automatically. Your printer is now available on the network.

For other network configurations or further details, please refer to the 'HP Designjet software setup' CD.

Connect with a USB cable



1. When your printer is connected to your computer by a USB cable, and the printer is turned on, a printer icon will automatically be added to your list of printers in the Print Center or Printer Setup Utility.

Don't forget...

- Keep the packaging in which your printer was packed; there are repacking instructions on the HP Web site, <http://www.hp.com/go/designjet> in case you need to return the printer. (If you no longer have this packaging when you need it, a Repackaging Kit is available from HP.)
- The blue documentation pack (the "day-to-day pack") is for the day-to-day use of the printer and should be made available to its users.
- The *User's Reference Guide* for this printer is on the *Using Your Printer CD* (in the "day-to-day" pack of documentation and other items).

If you have Internet access, you can also get the software from HP's Web Site, the HP Download Service, CompuServe, or AOL. You can find out more from the driver software installation instructions, and from the description of supported installation methods on our Web site:

<http://www.hp.com/go/designjet>

For detailed information about all CDs, see the documentation supplied with them. (There may be other CDs in the box with your printer. They contain samples and additional material—use them later.)

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