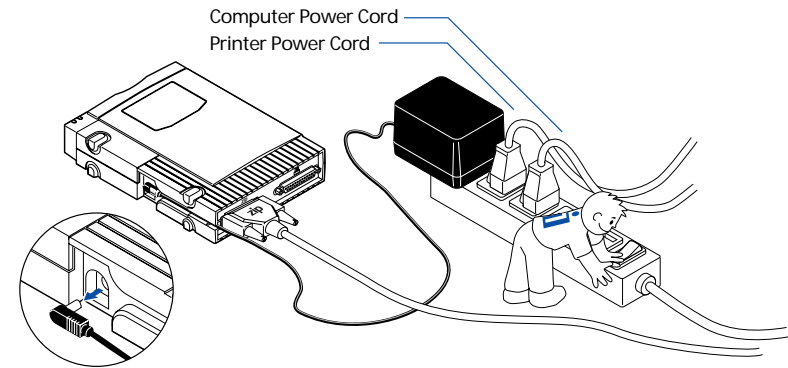


Printer Installation Guide

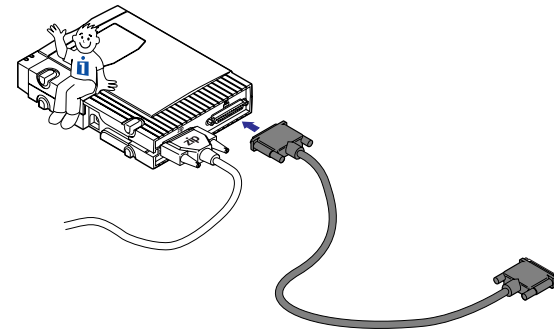
Connecting Your Printer

You can connect a printer to the Zip drive using a standard printer cable.

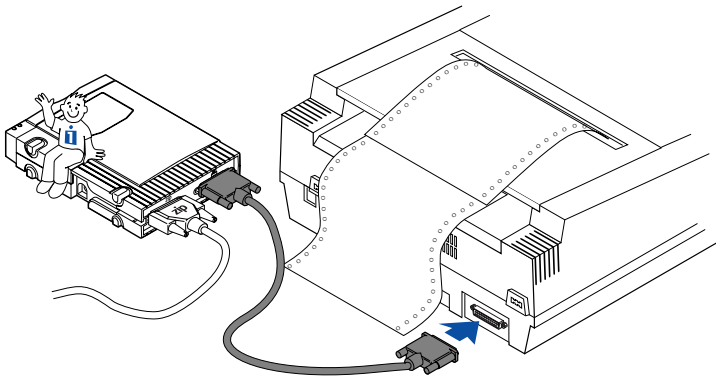
- 1 Shut down your computer and printer and remove power from the Zip drive.



- 2 Connect the printer cable to the printer pass-through connector on the Zip drive.

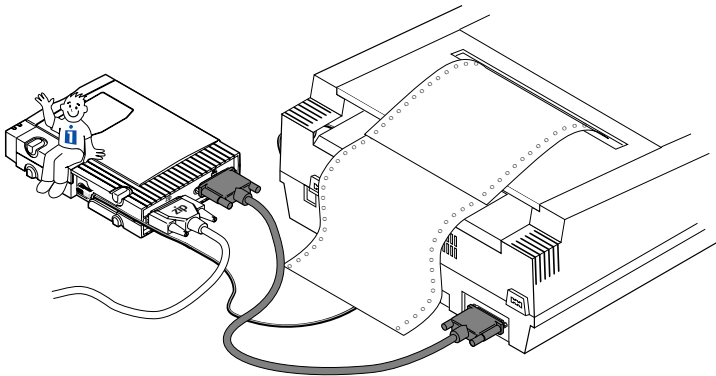


3 Connect the printer cable to the printer (if not already connected).



4 Turn on your computer, reconnect power to your Zip drive, and turn on your printer.

If this is the first time connecting your printer to your computer you should now install any software that shipped with your printer.




■ **NOTE:** The Zip drive must have power in order for the printer pass-through feature to work. ■

5 **Windows 95[®] Users:** If you experience problems with your printer this guide contains troubleshooting information. 

Windows 95 Users Only!

■ **IMPORTANT!** The solutions found in this guide will not allow you to use your Zip drive and your printer at the same time. To print a file stored on your Zip disk you must copy it to another disk other than your Zip (like a hard drive) and then print. ■

Parallel Port Printer Pass-Through Solutions

 Omega has developed Windows 95 compatible drivers for the parallel port Zip drive, however, some printers will not work correctly when connected to devices like the Zip drive. Listed here are some possible solutions if you experience problems with your printer, but you should contact your printer manufacturer since they know how to best address parallel port printer issues.

If you are...

...experiencing any of the following problems

- Printer does not work when connected to the Zip drive
- The system stops responding (hangs)
- Information gets lost during file transfers

...and you are using one of the following printers

	Solution 1	Solution 2	Solution 3	Solution 4	Solution 5	Solution 6
HP LaserJet 4s, 4+, 4v, 4si, 4p	X				X	
HP LaserJet 5L				X	X	
HP LaserJet 5P, 5M, 6P, 6M, and DeskJet 600c		X			X	
HP LaserJet 4L			X		X	
HP DeskJet 855c					X	X
HP DeskJet 820c series*						
Canon BJC 610, 620, and 4000 series					X	
Lexmark			X		X	
Okidata 600e					X	
Brother HL630					X	
Printer Not Listed					X	X

* There are currently no known software fixes for this printer. To use your printer with your Zip drive you should install an additional parallel port. Iomega has approved the use of Warp Nine Engineering's add-on card F/PortPlus which is fully compatible with the Zip drive and will actually improve your drive's performance. Contact Warp Nine Engineering on the World Wide Web at <http://www.fapo.com>, or call 805-726-3560 for sales information.

...then you are having a parallel port conflict between your printer and your Zip drive and should try using one of the possible solutions designated for your printer in the table above.

■ **IMPORTANT!** Iomega recognizes that conflicts with the parallel port pass-through feature on the Zip drive are caused by printer drivers not designed to share the parallel port with another device in the Windows 95 environment. Because printer drivers are provided and updated from time to time by printer manufacturers, you should contact your printer manufacturer for the best way to resolve pass-through conflicts. This may depend on the possible availability of updated printer drivers. ■

Printer Manufacturer Technical Support Numbers:

Hewlett Packard (208) 323-2551
 Canon (757) 413-2848
 Lexmark (606) 232-3000
 Okidata (800) 862-5724
 Brother. (800) 276-7746

Solution 1: Disable Status Monitor

The status monitor can usually be removed automatically with the following steps:

1. Click the Start button and select RUN.
2. Type: `C:\windows\ldinstall -fdinstall.ins` and select **OK**.
3. Follow the on-screen instructions.
4. Shut down and restart Windows 95.

If necessary, the status monitor can be removed manually by using the following steps:

1. Click the Start button and select the RUN option.
2. Type `WIN.INI` and select **OK**.
3. Locate the line `LOAD=HPSW.EXE` and place a semi-colon (;) at the beginning of that line so that it reads: `;LOAD=HPSW.EXE`.
4. Exit the WIN.INI file and restart your computer.
5. Your Zip drive is ready to use.

Solution 2: Changing Printer Properties

You can use the program HPPROPTY.EXE to change your printer's properties and get your Zip drive and printer working together; however, you will lose your printer's status monitor.

1. Before you access the Zip drive, press <Ctrl+Alt+Delete>.
2. In the Task Manager select HPPROPTY and then select "End Task."
3. Double-click *My Computer* and open the hard drive (usually the "C" drive).
4. Open the Windows folder and then the System folder.
5. Find and right-mouse click the file HPPROPTY.EXE and choose "Rename."
6. Rename HPPROPTY.EXE to "HPPROPTY.BAK."
7. Your Zip drive is ready to use.

Solution 3: Turn Off Bi-Directional Communication

If you are using Microsoft print system drivers you may be able to use the following procedure to disable bi-directional communication to the printer.

1. Open *My Computer*.
2. Open the "Printers" folder.
3. Right mouse click the printer you are connecting to your Zip drive and select "Properties."
4. Click the "Details" tab.
5. Click on the button for "Spool settings" (toward the bottom of the window).

6. Click on "Disable bi-directional support for the printer."
7. Click on OK at the bottom of the window.
8. Your Zip drive is ready to use.

The documentation that came with your printer may have detailed instructions on disabling bi-directional communication. If it does not and you are unable to disable bi-directional communication using one of the above procedures, **contact your printer manufacturer for help.**

Solution 4: Uninstall and Reinstall Printer Software

Uninstalling and reinstalling the printer drivers or the software that shipped with your printer **while the printer is not connected** may allow you to install the printer with the bi-directional mode disabled. Refer to the documentation that came with your printer for additional instructions.

1. Shut down your system and turn off power.
2. Disconnect your printer from the Zip drive.
3. Turn on your computer and let Windows 95 load.
4. Click the Start button and select "Programs." Choose the HP LaserJet 5L folder and click **Uninstall**.
5. With printer disconnected, reinstall printer software and select "**Install the PCL driver alternative.**"
6. Shut down your system and turn off power.
7. Connect your printer and turn on your computer.
8. Your Zip drive is ready to use.

Solution 5: Use the Printer's "Print to File" Setting

Setting your printer to "Print to File" whenever it's not in use will enable you to use your Zip drive as long as you do not need to print. To use your printer, close any files on your Zip disk and return the printer setting to normal. Do **not** attempt to access your Zip drive until the print job is completed and you have changed the printer setting back to "Print to File."

1. Open *My Computer*.
2. Open the "Printers" folder.
3. Right mouse click the printer you are connecting to the Zip drive and select "Properties."
4. Click the "Details" tab.
5. Click the down arrow button in the window under "Print to the following port."
6. Click on "FILE: (Creates a file on disk)."
7. Choose OK at the bottom of the window.
8. To use the printer again you must repeat the above steps but choose "LPT1" at step 6.
9. Your Zip drive is ready to use.

Solution 6: Getting Help for Your Specific Printer

If your specific printer is not addressed in this guide and you are having trouble printing, please contact your printer manufacturer for the best way to resolve printer pass-through conflicts.

Iomega may have more information on your specific printer in the Iomega Automated FAX Help system (801-778-5763), or on the World Wide Web at www.iomega.com.



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