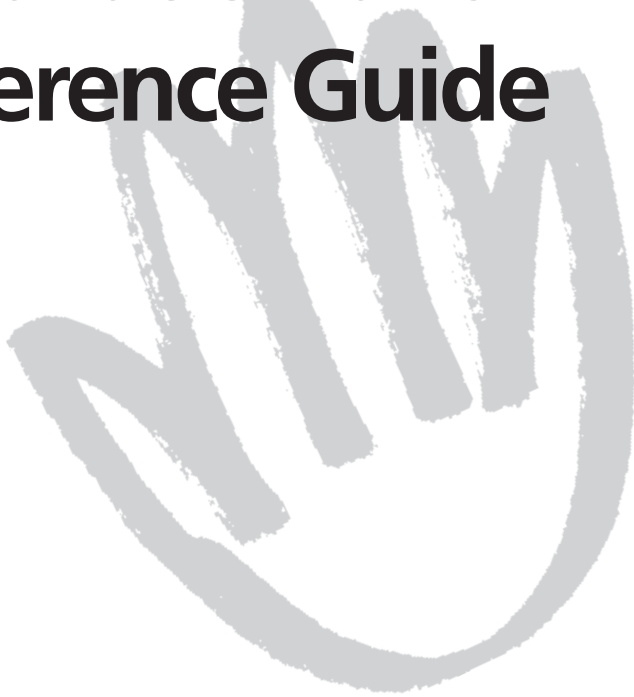
iomega

zip™ drive 100

Insider SCSI

Installation and Reference Guide



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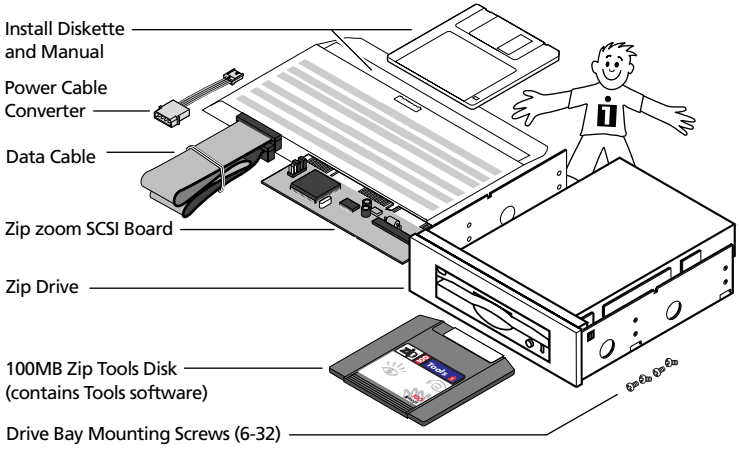
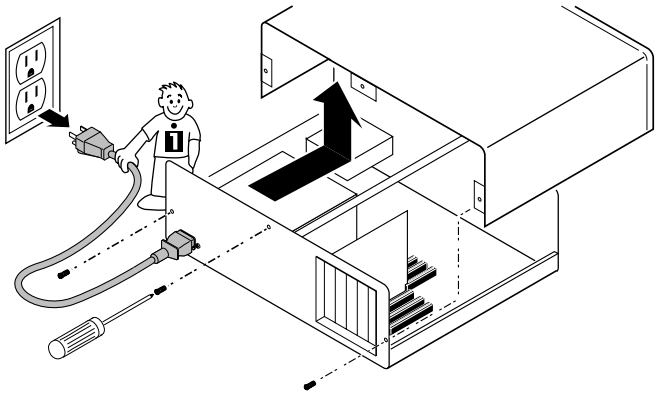
1 Unpack the Zip drive and accessories.

CAUTION *Before handling the Zip zoom board, touch a grounded metal object (like an unpainted metal screw on the back of your computer) to discharge any buildup of personal static electricity.* ■

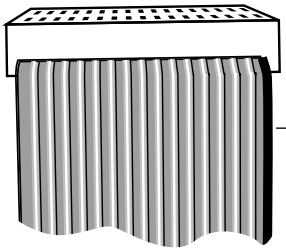


2 DISCONNECT the computer power cord and remove the cover. *(Refer to your computer manual if removal is unclear.)*

WARNING *Always disconnect computer electrical power at power source before beginning a computer hardware change.* ■



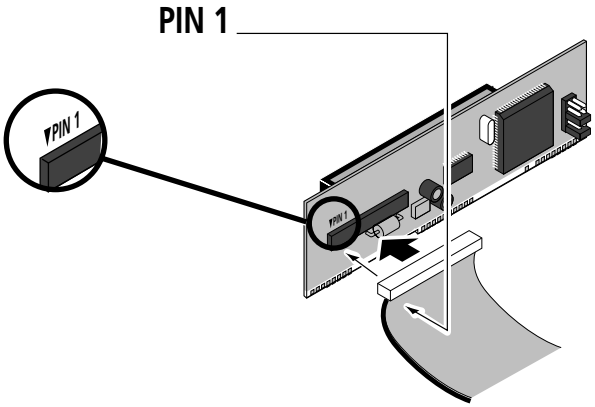
3 Pick up the data cable and find the colored stripe (or printing) on one side of the data cable, indicating PIN 1.



Stripe or printing shows the PIN 1 side of the data cable.

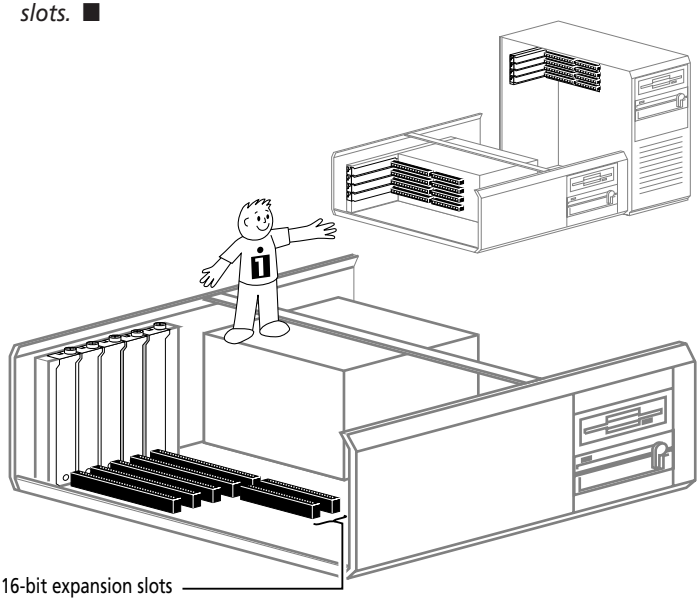
4 Connect the data cable to your Zip zoom board. *(Be sure PIN 1 on the cable is connected to PIN 1 on the board.)*

CAUTION *If the data cable is not connected to PIN 1 on both the Zip Insider and the Zip zoom board, your computer will not be able to find your drive.* ■



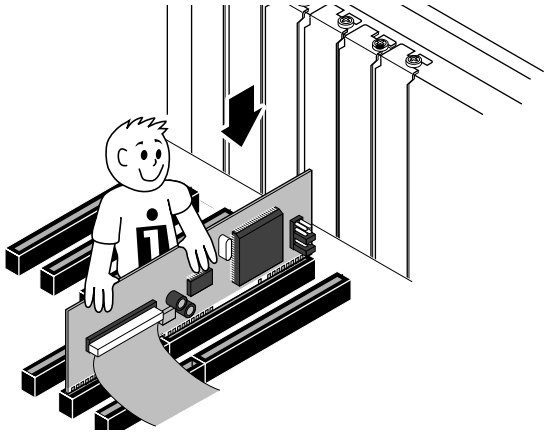
5 Locate any vacant 16-bit ISA expansion slot. *(A 16-bit expansion slot is needed to install the Zip zoom.)*

■ ***NOTE:*** *You will not have to remove the slot cover. Refer to your computer manual if you need information on available expansion slots.* ■

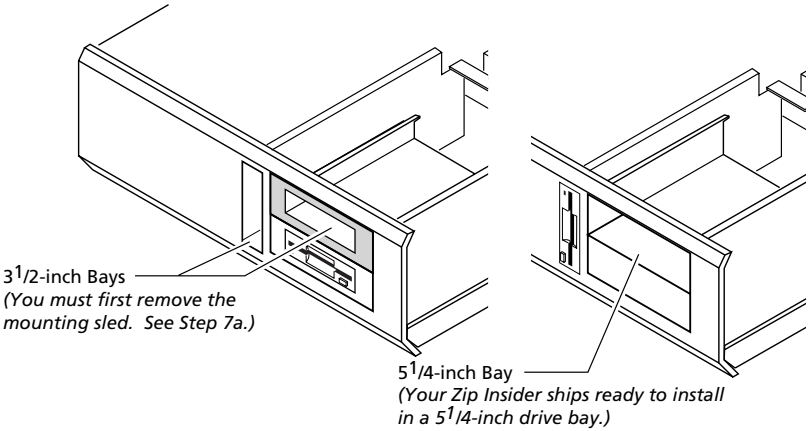


6 Push the Zip zoom board firmly into the expansion slot until it CLICKS (or seats all the way).

■ ***HINT:*** *Try rocking the board into place by pushing in one corner first, then the other.* ■

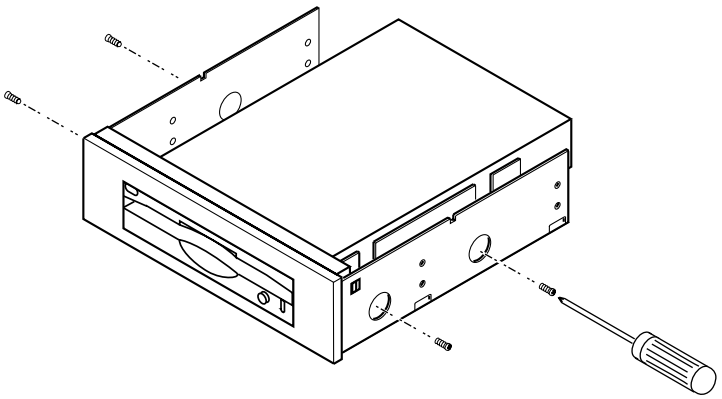


7 Locate a vacant drive bay and remove the panel cover.



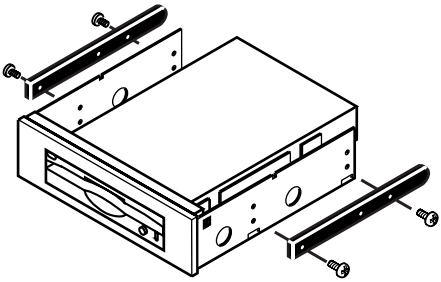
7a 3 1/2-inch drive bays ONLY.

To install your Zip Insider in a 3 1/2-inch drive bay remove the mounting screws as illustrated and slide the drive out of the sled.

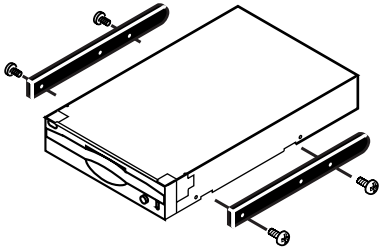


8 Check mounting requirements: Your drive bay may require side rails.

■ ***HINT:*** *Use the same mounting hardware as on similar drives in your system. See your computer dealer for any special hardware.* ■



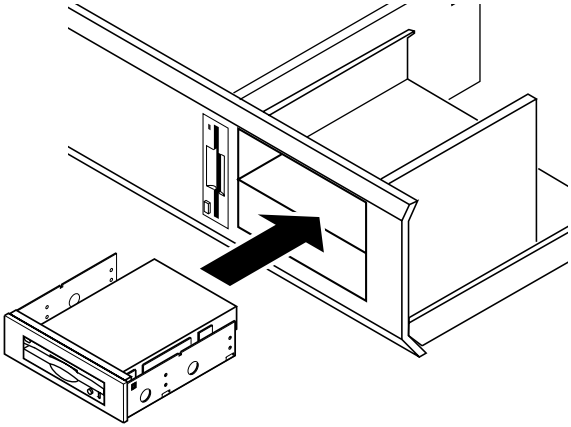
5 1/4-inch Bay



3 1/2-inch Bay

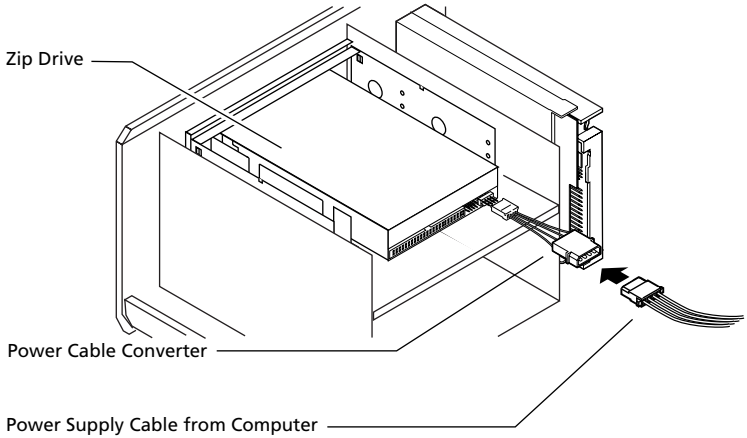
9 Slide the Zip Insider into the drive bay.

■ ***NOTE:*** *You may want to secure your drive now to hold it in place while connecting cables.* ■

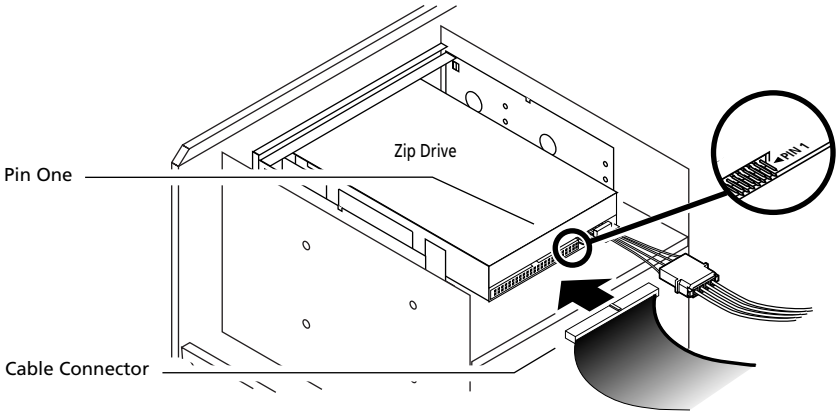


10 Connect a computer power supply cable. *(Use the power cable converter if needed.)*

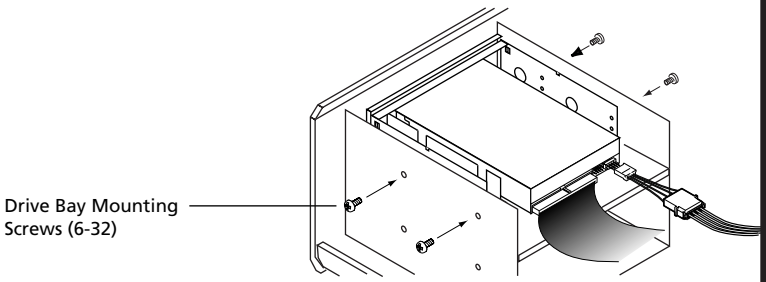
■ ***N0TE:*** *If your computer has no spare power supply cable, you will need to use a power Y-cable. To order one, call your dealer.* ■



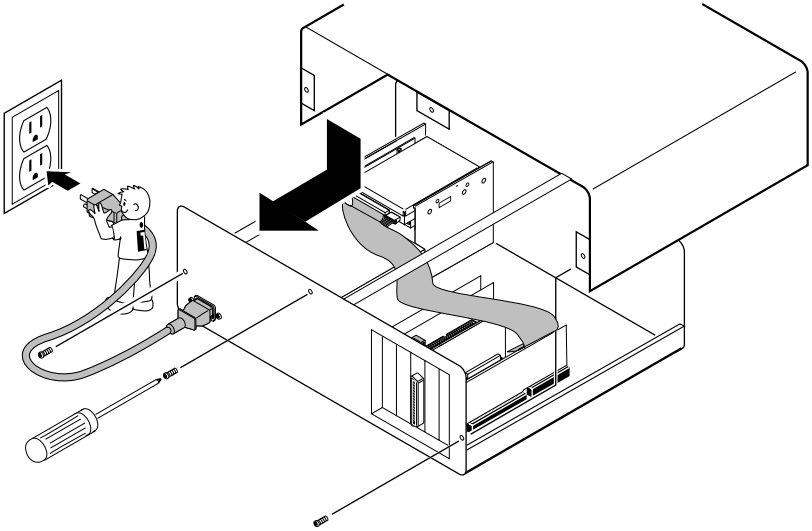
11 Follow the data cable from the Zip zoom board and connect it to your Zip drive. *(Be sure PIN 1 on the cable is connected to PIN 1 on the drive.)*



12 Secure drive in drive bay using the mounting screws *(if not secured already).*



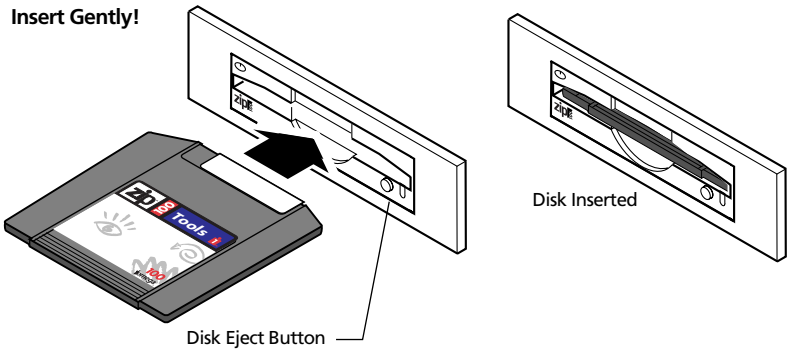
13 Check all connections, arrange the cables to fit under the cover, and replace the computer cover.



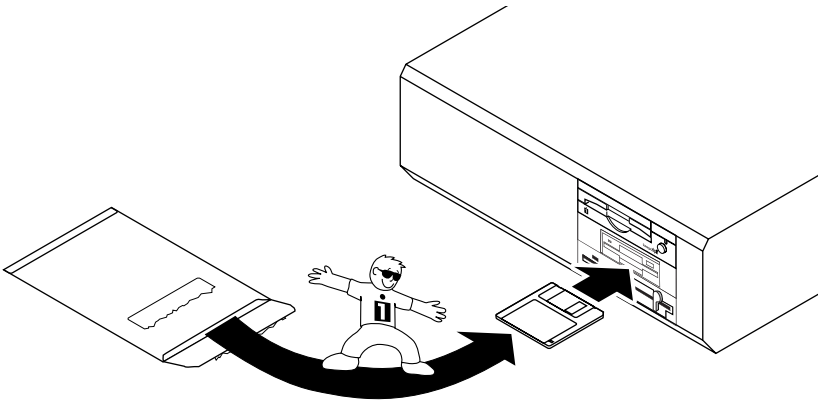
14 Reconnect power cord, turn ON power switch, and wait for DOS or Windows to load.

15 Insert the 100MB Zip "tools" disk into the Zip drive.

When you insert a Zip disk, the amber data light on the drive will flash momentarily. When pushing the eject button, the drive takes a few seconds to deliver the disk.



16 Insert the *INSTALL* diskette into the computer's floppy drive.



17 Start the Setup or Install program as described below and follow the screen instructions to install your Zip software.

Windows® 95 Users: Open *My Computer* and double click on the floppy drive icon. Double click on the Setup icon to install Tools 95.

Windows 3.1 Users: Start Windows. In the Windows Program Manager, select the File menu and choose **Run**. In the Command Line box, type **a:setup** if the "Install" floppy is in drive **a:** (or **b:setup** if it is in drive **b:**), then click **OK** or press the Enter key.

DOS Users (Windows not installed): At the DOS prompt, type **a:guest** if the "Install" floppy is in drive **a:** (or **b:guest** if it is in drive **b:**), and press Enter. Note the drive letter Guest assigns to your Zip drive. At the DOS promt type: **d:\dosstuff\install** (use the Zip drive letter in place of **d:**), then press Enter. After the software intallation is complete, type **d:\dosstuff\reclaim** (again use the Zip drive letter in place of **d:**), and press Enter. You will not be able to save files to your Zip "tools" disk until you run the reclaim program.

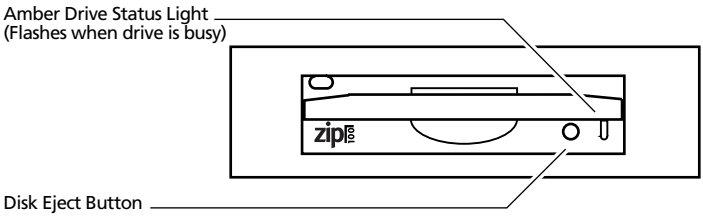
If you need Help, there is troubleshooting information in the *Reference Guide* section.

Congratulations! When the software installation is complete, your Zip drive will be ready to use.

For additional information on using your new drive and Zip tools software, refer to the *Reference Guide* section.

Using Your Zip Drive

Use your Zip drive just like any other drive on your system. To access the Zip drive, insert a disk and select the Zip disk icon. Store and copy files to and from the Zip drive using the same methods you use for other drives on your system.



Handling Zip Disks

Always store Zip disks in their protective cases when they are not inserted in your Zip drive.

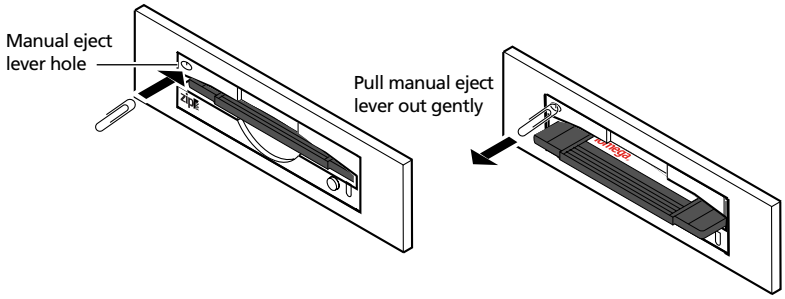
Drive Sleep

The Zip drive has an automatic sleep mode designed to reduce power consumption and prolong the life of Zip disks. Sleep mode automatically spins down a disk after 15 minutes of inactivity, and the disk automatically spins up again when accessed. You can change the sleep mode time using your Zip Tools software.

Disk Eject in Case of Power Loss

If you need to eject a disk during a power failure, use a paper clip to hook the manual eject lever, then pull gently until the disk ejects.

CAUTION *Use this manual disk eject procedure only when the computer is without power.* ■



■ ***Before reinserting the disk ...*** *Make sure the manual eject lever is returned to its original position. If necessary, push it back into place with a paper clip.* ■

Non-Iomega SCSI Adapters

The Zip Insider is shipped with a Zip zoom board which should be used with your new drive. However, if you wish to use a non-Iomega SCSI adapter, the Zip Insider is a high performance drive that will work with any SCSI adapter that has a compatible ASPI manager for Windows/DOS or 32-bit miniport driver for Windows 95. (If you are not sure that your adapter is 100% ASPI or Windows 95 compatible, contact the dealer where you purchased the adapter or the adapter manufacturer.) Before installing the Zip drive, make sure the necessary software for the adapter is correctly installed on your system. To take advantage of all the features of your Zip drive, you should install Zip Tools.

Zip Tools Software

Your 100MB Zip "tools" disk contains a complete package of software tools to help you manage all the stuff you use and create with your Zip drive. The Zip Setup or Install program automatically installs Zip tools for your system. **For information on using Zip tools, refer to Zip Tools Help which is installed in the Iomega Zip Tools group.**

Zip Tools Disk

The Zip "tools" disk that came with your drive cannot be used for data storage **until it has been used to install the Zip tools software package (or until you run the Reclaim utility**). After the first installation, the Zip tools disk can be used to install or reinstall Zip tools software. Additional blank disks for your Zip drive are available preformatted for Windows/DOS.

Make sure you keep all the original files on your "tools" disk in case you need to reinstall your Zip tools software.

Read/Write Protecting Zip Disks

Iomega Tools includes a special read/write protect feature that lets you:

- **Write Protect a Zip disk through software instead of with a mechanical write protect switch.**
- **Write Protect a Zip disk and assign a password that must be used to remove the write protect.**
- **Read Protect a Zip disk so that it cannot be read from, or written to, unless the user enters the password you assign.**

For information on using read/write protect, refer to Zip Tools help.

SCSI Guidelines

The Small Computer System Interface (SCSI) is an industry standard for connecting peripherals to most personal computers. SCSI rules define how to connect more than one SCSI device to the same SCSI connection (either built-in or from a SCSI host adapter).

SCSI "Chain"

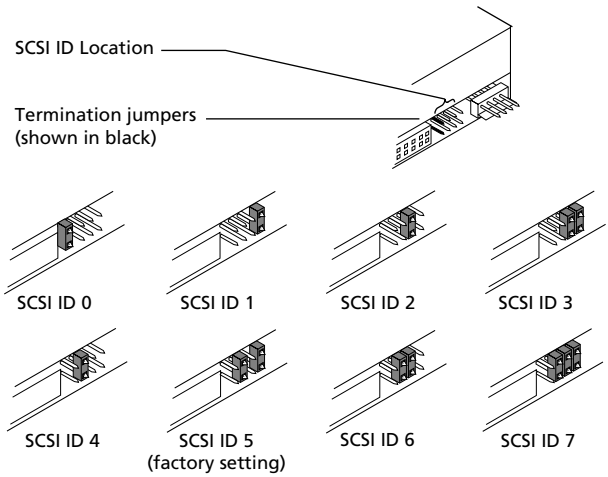
A SCSI chain is a series of SCSI devices cabled one to another on a single SCSI connection. You can add your Zip drive to a SCSI chain.

For any SCSI chain, the combined chain length (the total of all cables in the SCSI chain, including internal cables) should not exceed 6 meters (19.6 feet).

SCSI ID

SCSI ID is an address number (0 through 7) that is assigned to each SCSI device. In a SCSI chain, each device in the chain must have a different SCSI ID number, and ID 7 should NOT be used for any device as it is usually reserved for use by the SCSI adapter. The Zip drive is set at the factory to SCSI ID 5.

If you need to use a different SCSI ID for your Zip drive, change the SCSI ID setting **before installing the drive**. (SCSI ID jumpers are located at the back of the drive.) Optional SCSI ID jumper settings are illustrated below.

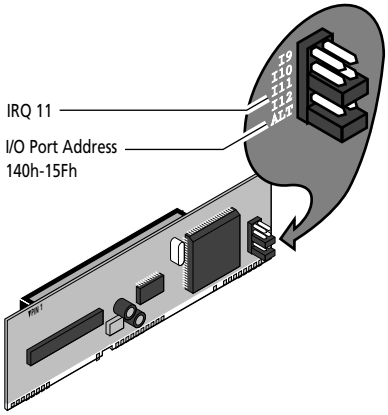


SCSI Termination

SCSI rules require that the first and last devices in a SCSI chain (and no others) have termination ON in order to provide proper data transfer. The internal Zip drive ships with SCSI termination ON. To turn termination OFF, simply remove the jumper from the pins marked "Term on".

Zip Zoom Settings

Zip Zoom Factory Settings

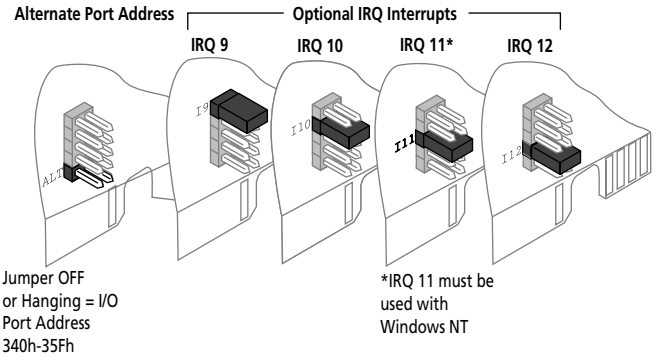


The factory settings on the Zip zoom board should work with most operating systems, including DOS/Windows, Windows 95, Windows NT, and OS/2. However, you will need to change the settings if:

- Another device on your system is using IRQ 11 or I/O Port Address 140h-15Fh.
- You have an Adaptec SCSI adapter, Jaz jet ISA, or PC1600 installed.

■ ***NOTE:*** *Zip zoom jumper settings must be changed manually. Under Windows 95, you must run the Add New Hardware control panel after making any setting changes.* ■

Optional Zip Zoom Settings



Troubleshooting

If you encounter a problem while installing or using your Zip drive, check this section for help.

CAUTION *Electrical power should be turned off before connecting or disconnecting any cables; otherwise, computer equipment could be damaged.* ■

1 **The Zip drive is not assigned a drive letter, or the Iomega software cannot find the Zip drive.**

(a) Make sure pin one is properly connected on both the Zip Insider and the Zip zoom board (or other SCSI connection). Labels have been placed on both to help you identify pin one. Pin one on the Zip Insider is closest to the power connector (or on the right if looking at the back of the drive).

(b) Make sure a power cable from the computer's power supply is securely connected to the Zip Insider as shown in the Installation Guide.

(c) Make sure that all cable connections are straight and fully seated.

(d) There may be a conflict between the Zip zoom board and another SCSI adapter on your system. Try using the alternate I/O port address setting or changing the IRQ setting. Refer to the section on "**Zip Zoom Settings**" for more information.

(e) Reinstall your Zip Tools software.

2 **Computer does not start up properly after the Zip drive is installed.**

There may be a conflict between the Zip zoom board and another SCSI adapter on your system. Try using the alternate I/O port address setting or changing the IRQ setting. Refer to the section on "**Zip Zoom Settings**" for more information.

3 **Data transfer problems or drive operation is erratic.**

Make sure that all cable connections are straight and fully seated.

Warranty

This product carries a one year limited warranty. For complete warranty information, refer to the detailed warranty statement shipped with this product. If you did not receive the warranty statement, call one of the support numbers listed under "Contacting Iomega" inside the back cover of this guide.

Iomega's Automated Help Systems

Internet Home Page: ..... http://www.iomega.com

America Online™ ..... Keyword: Iomega

Microsoft Network ..... GoWord: Iomega

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