SyQuest®

230 MB External Parallel Port

Installation Guide
For PC Compatible Systems

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This equipment generates and uses radio frequency energy and, if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type-tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference by one or more of the following measures:

- Reorient the antenna
- Relocate the equipment with respect to the receiver
- Move the equipment away from the receiver
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits

If necessary, consult your dealer or an experienced radio/television technician for additional suggestions. The booklet entitled *How to Identify and Resolve Radio-TV Interference Problems*, prepared by the Federal Communications Commission, may be helpful. This booklet, Stock No. 004-000-003454, is available from the U. S. Government Printing Office, Washington, DC 20402.

Safety Standards

This product meets the following national and international regulations:

- UL 1950 Standard for Safety of Information Processing and Business Equipment
- UL Standard for Safety of Information Technology
- CSA C22.2 No. 154 Data Processing Equipment
- CSA C22 No. 220 Information Processing Equipment
- IEC 435 Safety Requirements for Data Processing Equipment
- IEC 380 Safety of Electrical Energized Office Equipment
- IEC 950 Safety of Information Technology Equipment in Electrical Business Equipment
- VDE 0871/1984
- VFG 243/1991

Inquiries

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Document History

The table below lists changes issued for this EZFlyer Installation Guide.

Date	Release	Part Number	Revision	Revised by
May, 1996	Release 1	110333-001	RevisionA	Manual 3, Inc.

Support, Documentation and Repair

For detailed information about SyQuest® drives, cartridges, and software, refer to the online documentation on the diskette labeled *SyQuest® Installation Diskette-1*. To print or interactively view the online

documentation, insert the diskette labeled *SyQuest® Installation Diskette-1* into a diskette drive and run the MANUAL program.

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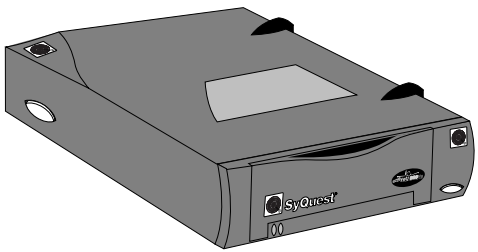
Part Number 110333-001 Revision A

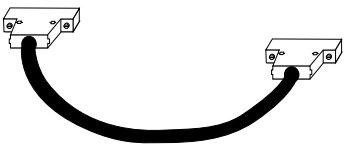
Getting Started

1. Unpack your EZFlyer™ drive.

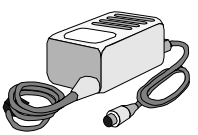
Unpack and inspect the contents of the shipping carton.



EZFlyer™ Parallel Port Removable Cartridge Disk Drive

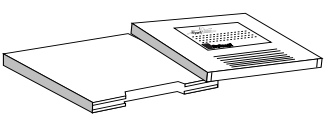


Parallel Port Cable

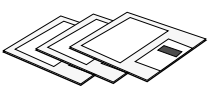


Power Adapter

PC Quick Installation Guide



230MB SyQuest® Cartridge in Protective Case



Installation Software and Utilities for DOS/Windows and Windows 95. Drivers for Windows NT and OS/2 and Universal Online Manual

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Note: The online manual provides advanced configuration information. To view the online manual, insert *SyQuest® Installation Diskette-1* into a diskette drive and run the `MANUAL` program (manual.bat).

Note: If you are upgrading from an EZ135 drive to an EZFlyer™ drive, follow the upgrade instructions in Appendix A on page 13 **before** installing your EZFlyer™ drive.

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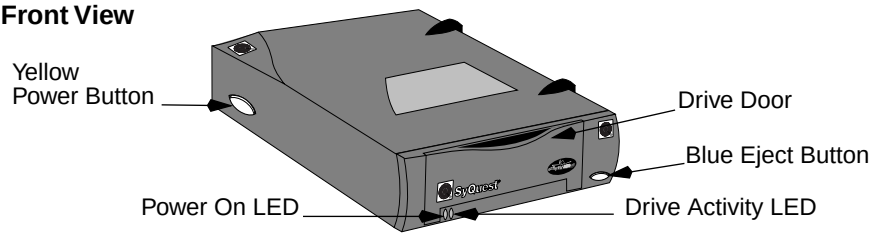
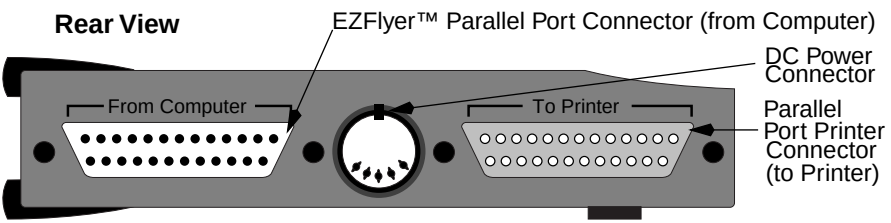
2. Study the drive's features, controls, and indicators.

Once you are familiar with your EZFlyer™ drive, go to "Installing the Hardware" on page 4.

Front View



Rear View



Caution: SyQuest® strongly recommends that you operate your EZFlyer™ in the horizontal position, as shown throughout this guide. If you must use the EZFlyer™ in the vertical position, be sure to securely support your EZFlyer™ on both sides to prevent the drive from falling over.

Caution: Never store or transport the EZFlyer™ with the cartridge partially inserted. Leaving a cartridge partially inserted, or transporting the EZFlyer™ with the cartridge inserted may damage the EZFlyer™ drive and void your warranty.

Note: The EZFlyer™ drive automatically goes into a power saving mode after 5 minutes of inactivity. In the power saving mode, the Drive Activity

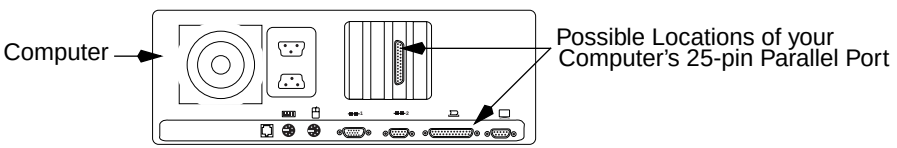
LED is off. Normal drive activity will restore full power to the drive when needed.

Installing the Hardware

1. Turn off your computer.

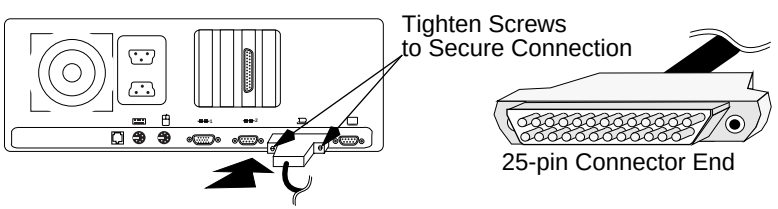
2. Locate your computer's parallel port.

Your computer's parallel (printer) port connector may be mounted either vertically or horizontally. Your printer (if you have one) is normally attached to the parallel port.



3. Plug the 25-pin connector end of the cable into your computer's parallel port.

If you currently have a printer cable attached to this port, remove the printer cable first.



Caution: Many SCSI adapters also use 25-pin connectors. **Do not** attach your EZFlyer™ Parallel Port drive to a 25-pin SCSI connector, or you may damage your drive. Use only the SyQuest-provided parallel port cable. Data errors may occur if you use a different cable.

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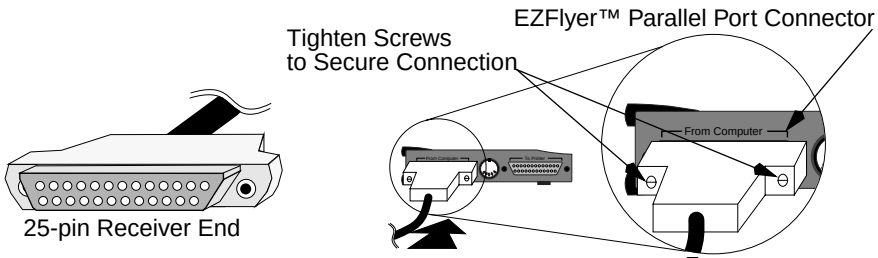
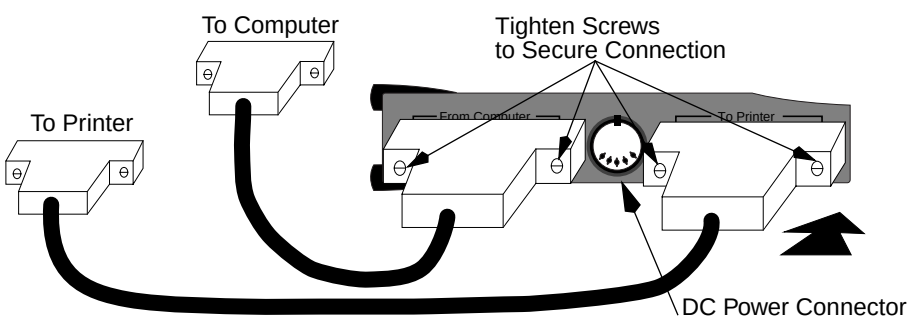
4. Plug the 25-pin receiver end of the cable into the left-hand EZFlyer™ Parallel Port connector.



5. Connect your printer to the EZFlyer™ drive's printer connector.

If you removed a printer cable in step 3, attach the printer cable to the connector labeled *To Printer*.



6. Plug the provided power adapter into the DC power connector located on the rear of the EZFlyer™ drive.

Caution: Only use the EZ family power adapter. Using a different power adapter may damage your drive.

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7. Plug the power adapter into an AC power outlet.

Caution: Verify that the power adapter is compatible with your AC power outlet.

8. Turn on your drive and your computer.

Verify that the Power On LED glows green.

9. Insert an EZFlyer™ 230 MB cartridge into the drive.

The drive will begin to spin up the cartridge, and the Activity LED will flicker. The Activity LED will glow steadily green when the drive is ready. See “Inserting the Cartridge” on page 10 for details.

Installing SyQuest® Software

After connecting your EZFlyer™ drive to your computer, you need to install SyQuest® software in order to use your drive. The DOS, Windows 3.1, and Windows 95 installations include the SyQuest® drivers and the SyQuest® Utility software. The OS/2 and Windows NT installations include the SyQuest® drivers only.

DOS/Windows Users:

1. **Exit Windows to DOS.**
   Press Alt + F4 to exit out of Windows; do not use a DOS shell.
2. **Insert *SyQuest® Installation Diskette-3* into your diskette drive.**
3. **At a DOS prompt, type: `A:INSTALL` and press Enter.**
   If `B:` is your 3.5-inch diskette drive, type `B:INSTALL` and press Enter.

Windows 95 Users:

1. **Click *Start*, then click *Settings* and click *Control Panel*.**
2. **In the Control Panel Window, double-click the Add/Remove Programs icon.**
3. **Insert *SyQuest Installation Diskette-2* into the diskette drive and click Install.**
4. **Click Next, then click *Finish* once.**
5. **Follow the instructions in the window at the bottom of the screen to install the SyQuest® driver**
   You may need to rearrange the program windows to view all windows.
6. **Follow the instructions in the Installation Wizard window to complete the software installation.**

OS/2 Users:

1. **Insert *SyQuest® Installation Diskette-1* into your diskette drive.**
2. **Select *Device Driver Install* from System Setup.**
3. **Change the source from `A:\` to `A:\OS2` and click *Install*.**
   If `B:` is your 3.5-inch diskette drive, change the source from `B:\` to `B:\OS2`.
4. **Click *SyQuest Parallel Port Device* and click *OK*.**

Windows NT Users:

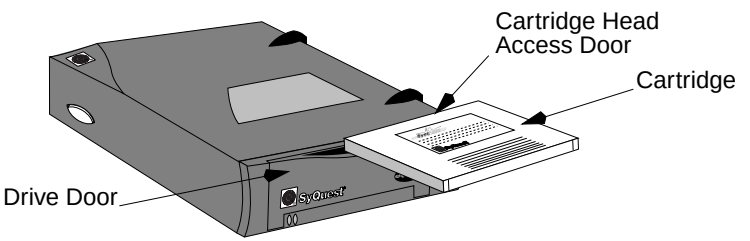
1. **Insert *SyQuest® Installation Diskette-1* into your diskette drive.**
2. **Double-click the Windows NT Setup icon in the Main program group.**
   The Options menu displays.
3. **Select *Add/Remove SCSI Adapters* and click *Add*.**
4. **Scroll to the bottom of the Add menu and select *Other*.**
5. **Enter `A:\WINNT\` and select *SyQuest EPATHD Parallel to ATA Adapter*.**
   `If B:` is your 3.5-inch diskette drive, change the source from `B:\` to `B:\WINNT\`.
6. **Allow the Installation program complete its operations.**
7. **Restart your computer.**
   You will be able to use your EZFlyer™ drive when your computer restarts.

Note: Printer Pass-through is not supported in Windows NT.

Inserting the Cartridge

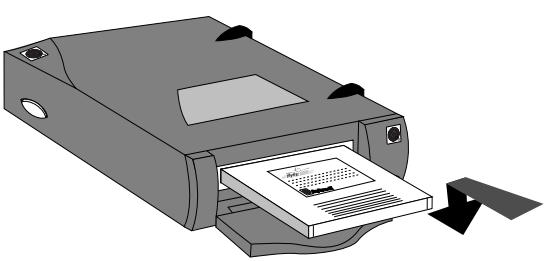
The EZFlyer™ drive reads, writes, and formats SyQuest® 135 MB and 230 MB cartridges. The EZFlyer™ drive **cannot** read, write, or format other SyQuest® cartridges.

1. **Hold the cartridge as shown in the figure below.**
2. **Open the drive door with the cartridge corner.**



Note: You can insert SyQuest® cartridges with the drive power on or off.

3. **Slide the cartridge into the drive until it stops.**



4. **Push the cartridge down until it locks into the drive.**
   The drive will begin to spin up the cartridge, and the Activity LED will flicker. The Activity LED will glow steadily green when the drive is ready.

Caution: If you drop your EZFlyer™ drive, **Do not** insert a cartridge or test your drive to see if it was damaged by the drop. Contact your SyQuest® reseller for instructions.

Removing the Cartridge

Follow these steps to remove the cartridge when changing cartridges or transporting your EZFlyer™ drive.

1. Verify that the Power LED glows green.

The EZFlyer™ should always be switched on when you eject a cartridge.

2. Exit out of all applications that use the cartridge and close all open files on the cartridge.

You may lose data if you eject the cartridge before closing all open files on the cartridge.

3. Unlock the cartridge.

DOS Users: Type `UNLOCK` at a DOS prompt.

Windows 3.1 Users: Double-click the SyQuest® Unlock Utility icon, select the EZFlyer™ drive letter and click *Ok*.

Windows 95 Users: Windows 95 automatically locks and unlocks the cartridge. You do not need to manually unlock the cartridge to remove the cartridge.

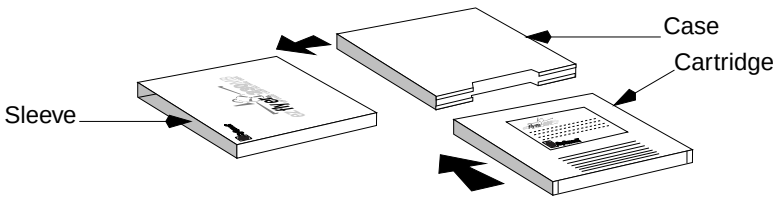
OS/2 Users: Select the EZFlyer™ drive icon, click the right mouse button, and select the *Unlock* menu item.

4. Press the Eject button on the front of the EZFlyer™ drive.

The Drive Activity LED will flicker, the drive door will open, and the cartridge will pop out of the drive after a few seconds. If the Drive Activity LED does not flicker, unmount the cartridge using the SyQuest® Windows 95 Utility, or use the SyQuest® Unlock utility in Windows 3.1.

5. Remove the cartridge and place it in its case.

Always store the cartridge in its protective case with the cardboard sleeve on.



Note: Your protective case may not look exactly like the example shown here.

Caution: Never store or transport the EZFlyer™ with the cartridge partially inserted. Leaving a cartridge partially inserted, or transporting the EZFlyer™ with the cartridge inserted may damage the EZFlyer™ drive and void your warranty.

Ejecting the Cartridge without Power

In the event of a power failure, you can remove the cartridge using the manual eject hole.

1. **Wait at least one minute after the power fails before you perform this procedure.**

2. **Locate the manual eject hole on the bottom of the drive.**

   The manual eject hole is a small round hole on the bottom of the EZFlyer™ drive.

3. **Insert a straightened paper clip into the manual eject hole on the bottom of the drive.**

   The cartridge will eject part way. Be careful not to hold the EZFlyer™ drive with the drive door facing down; the cartridge may fall out of the drive and be damaged.

4. **Remove the cartridge and place it in its case.**

Write-protecting the Cartridge

You can use the EZFlyer™ drive's write-protect software (part of the SyQuest® Utilities) to prevent data on the cartridge from being altered or erased. You can use SyQuest® Utilities under DOS, Windows 3.1, and Windows 95.

Caution: The hardware write-protect switch on 135 MB cartridges **does not** write-protect the cartridge in the EZFlyer™ drive. The write-protect feature of the EZFlyer™ drive is controlled by software utilities only, regardless of any hardware write-protect settings.

SyQuest® cartridges ship from the factory ready to record data. To write-protect a cartridge:

1. **Verify that a cartridge is in the drive and the Drive Activity LED glows green.**

2. **Run the SyQuest® utility software**

   You installed the SyQuest® utilities in "Installing SyQuest® Software" on page 7.

   DOS Users: Run the SQSHELL program and select *Options*. Select either:

   - Enable Write Protect Utility
     Data on the cartridge cannot be altered or erased.

   or

   - Disable Write Protect Utility
     Data on the cartridge can be edited or erased.

   Windows 3.1 Users: Run the SyQuest® *Utilities* and click the *Control* button. Click the EZFlyer™ drive letter button and click the *Set to ON* button in the Write Protect box. To disable the write-protect feature, Select the drive letter button in the list box and click the *Reset to OFF* button in the Write Protect box.

Windows 95 Users: Run the SyQuest® *Win95 Utility* and click the *Control* button. Select the letter of the EZFlyer™ drive in the list box and click the *Set to ON* button in the Write Protect box. To disable the write-protect feature, Select the drive letter in the list box and click the *Reset to OFF* button in the Write Protect box.

Note: Write-protection is not supported under Windows NT or OS/2.

A

Upgrading EZ135 Drives

If you are currently using an EZ135 parallel port drive on your system and you want to install an EZFlyer™ parallel port drive on the same system, follow this procedure **before** you install your EZFlyer™ drive. The diskettes included with your EZFlyer™ drive update your EZ135 drive and install new software for both EZ135 EPP and EZFlyer™ EPP parallel port drives.

You may run either the EZ135 drive or the EZFlyer™ drive (but not both at the same time) on your system once you complete this procedure.

To update your EZ135 drive:

1. Update the EZ135 Drive Hardware

DOS, Windows 3.1 and Windows 95 users should all perform this step.

a. Verify that *only* the EZ135 drive is connected to your computer's parallel port, and that the EZ135 drive is switched on.

Make sure to disconnect any parallel port printers or other parallel port devices **before** you continue.

Caution: You may damage your printer or parallel port device if you do not disconnect it from your computer before performing this procedure.

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b. Insert *SyQuest Installation Diskette-1* into your diskette drive.

Use *SyQuest Installation Diskette-1* that came with your new EZFlyer™ drive, not the diskette that came with your EZ135 drive.

c. Run the hardware update program named *SET135L*.

DOS Users: At a DOS prompt, type `A:SET135L` and press Enter.

Windows 3.1 Users: From the File menu in Program Manager select RUN, type `A:SET135L`, and press Enter. Once the *SET135L* program finishes, your EZ135 hardware update is complete. Go to step 3 on page 15.

Windows 95 Users: From the Start button, select *RUN*, type `A:SET135L`, and press Enter. Once the SET135L program finishes, proceed to step 2 on page 14.

Note: If your 3.5-inch diskette drive is drive `B:`, replace `A:` in the commands in step c above with `B:`.

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2. Remove the existing Windows 95 EPP Driver

Only Windows 95 users should complete this step.

a. Click *Start*, click *Settings*, and click *Control Panel*.

b. From the *Control Panel* window, double-click the *System* icon.

c. Click the *Device Manager* tab.

d. Double-click *SCSI controllers*.

e. Click the *SyQuest Parallel Port Device* entry to select the old driver.

f. Click *Remove*.

Windows 95 will prompt you for verification of the device removal; click OK to confirm.

Note: If there are more than one *SyQuest Parallel Port Device* entries, select each one and click *Remove*.

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g. Click *Close* to close the Control Panel.

h. Shut down your system and then disconnect the EZ135 EPP drive.

3. Follow the installation instructions starting on page 1 to install your EZFlyer™ drive.

DOS, Windows 3.1 and Windows 95 users should complete this step. After you complete the EZFlyer™ Installation Guide procedure, you can use either your EZ135 drive or your EZFlyer™ drive with your computer.

Note: You cannot use both drives simultaneously by daisy chaining the parallel port drives.

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