# Getting Started

This section is designed to get you started for quick installation of your FastTrak.

## Unpacking Your FastTrak

When you receive the FastTrak, the package should contain the items listed below:

- FastTrak RAID Adapter
- FastTrak User's Manual
- Registration Card
- FastTrak Driver floppy diskette
- Two Internal IDE Hard Drive Cables (18" length)

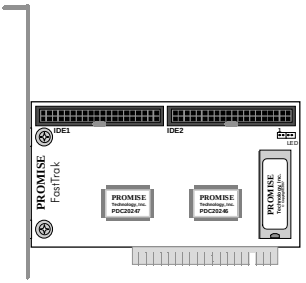
## CAUTION IN HANDLING AND INSTALLING!

Before installing the adapter into an existing system, backup any necessary data. Failure to follow this accepted PC practice could result in data loss.

Power off the system. Be careful when handling the controller. The FastTrak, like any valuable part of your computer system, is susceptible to static electricity. Be sure you are well grounded for the installation.

If ANY of the contents are missing or appear to be damaged, please contact your dealer or distributor immediately.

**Board Layout**




**Connectors**

| Connectors | |
|---|---|
| First IDE channel | **IDE 1** |
| Second IDE channel | **IDE 2** |
| 4-pin LED connector: Pin1PWR, Pin2 GND | **LED** |

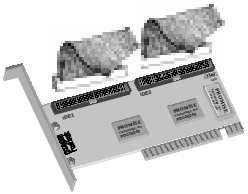
# Quick Installation

This section is designed to get you started for quick installation of your FastTrak.

Use drives that are preferably the same model and capacity. **NOTE:** If using older IDE drives (less than 300MBs), check with the manufacturer if it supports Multi-DMA transfers

## [ 1 ] Install FastTrak and IDE Drives

Power off the system and ground yourself by touching exposed metal of the PC chassis.



Connect 18" IDE cables to the FastTrak and hard disk drives. Note that the colored edge indicates Pin 1 of the cable.

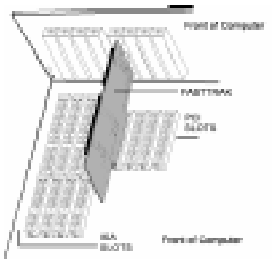
Jumper and install the IDE drives with proper master/slave jumper settings recommended by the drive manufacturer. When 2 drives are attached, configure each drive as a master (with no slave attached) and each drive on a separate channel.

**Drive Setup with FastTrak**

| Total Drives | IDE 1 | IDE 2 |
|---|---|---|
| One | M | -- |
| Two | M | M |
| Three | M & S | M |
| Four | M & S | M & S |

Attach the case LED 2-pin or 4-pin cable to the FastTrak 4-pin connector labeled LED. Be sure to align pin 1 of the LED cable to pin 1 of the connector.



Insert and secure the FastTrak into an open PCI slot. Re-check cabling for proper connection.

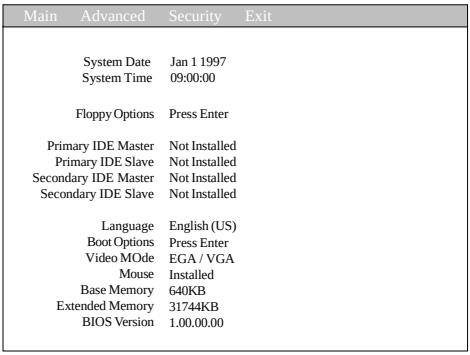
## [ 2 ] Set Mainboard CMOS Setup

No changes are necessary in the Mainboard CMOS Setup for resources or drive types.

Since the FastTrak is a PCI Plug-n-Play (PnP) device, the Interrupt and Port address resources are automatically assigned by the Mainboard's PCI PnP BIOS.

For the FastTrak to be the bootable IDE controller, confirm in the mainboard's Standard CMOS Setup that the drive types (for *hard disk* drives) are set for "Not Installed" or "None". No changes are needed for CD-ROM drives that are attached to the mainboard IDE controller.

Drives types are identified as "Not Installed"




## [ 3 ] Configuring FastTrak ABC Setup

During bootup, the FastTrak BIOS appears on the screen and displays BIOS version information.

1) Press <F2> to enter the Array BIOS Configuration setup
2) Press <F1> for Auto Configuration
   - Under the "Optimized for" option, choose the "Performance," "Fault Tolerance," "Capacity," or "Spanning" setting.
   - For the "Typical Application Usage" option, select the appropriate setting with the <Space> key.

   See Chapter 4 for details on FastTrak BIOS options.
3) Press <F10> to save and "Yes" to save and reboot the system.
   **NOTE:** the disk array will be seen as one physical drive by the operating system which may be partitioned if necessary.

## [ 4 ] Starting the Operating System

See the steps below for a new DOS/Windows/Windows95. For other supported operating systems, see Chapter 6 for instructions.

1) Boot to Disk 1 of the DOS installation diskettes or manually partition and format new drives with standard DOS FDISK and FORMAT utilities.
2) Install DOS, Windows, and/or Windows95 using the "Setup.exe" utility found on the Microsoft installation diskettes.

### Driver Installation

For DOS and Windows: No drivers need to be installed. The FastTrak BIOS will provide enhanced operation.

Windows95 setup will show a "New Hardware Found" dialog box. Under versions 4.00.950 and 4.00.950 an "Unknown PCI Device" will be detected. Under versions 4.00.950 B "PCI RAID Controller" will be displayed.

**NOTE:** To check the Windows95 version number by clicking the Control Panel from My Computer followed by the System icon. Under "System:" note the version number.

In the dialog box, choose "Driver from disk provided by hardware manufacturer" button. In the a: drive, insert the FastTrak utility diskette and type in "A:\WIN95" where prompted for the directory.

Select "Promise Technology, Inc. PCI FastTrak Driver" and click on Next. The FastTrak driver is now copied onto the system and entered into the Windows95 driver database.

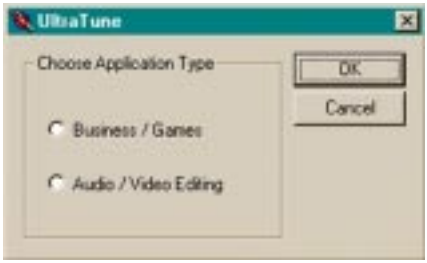
When the "System Settings Change" dialog box appears, remove the floppy diskette and click on "Yes" to restart the system. Windows95 will then restart for the driver installation to take effect.

### Confirming Windows95 Installation

From Windows95, open the Control Panel from My Computer followed by the System icon. Choose the "Device Manager" tab and click the "+" in front of the "SCSI Controllers" hardware type. The driver "Promise Technology, Inc. PCI FastTrak Driver" driver should be installed.

### Installing UltraTune™ Utility and Driver Updates

From Windows95, insert the FastTrak diskette. Open the Start Button menu and click "Run". Type in "A:\WIN95\SETUP.EXE" (or other directory containing update) and follow the onscreen directions to update the Promise driver (if necessary) and install UltraTune™. During setup, choose the initial UltraTune™ option as shown below. Click on your most commonly used application and confirm with the OK button. Upon completion, the computer must be restarted for the PnP changes to take effect.




The setup will create a shortcut for the UltraTune™ utility so that you may re-optimize the Promise Windows95 driver. To relaunch UltraTune™, open the Start Button menu, click on Programs, Promise, FastTrak Setup Utility, and then the FastTrak Setup icon. Choose an application and click OK.