



## **Using Two FastTrak33's or Two FastTrak66's under Windows NT 4.0 in the same machine**

The following instructions explain the procedure for properly installing Two FastTrak33's or FastTrak66's in the same machine. This configuration is supported under Windows NT 4.0 only. You must use FastTrak/FastTrak66 Family driver 1.14 Build 1102 or higher.

### **Clean installation Instructions**

- 1.) Start your Windows NT 4.0 installation. When you reach the Mass Storage Detection portion of the install, press "S" and insert the diskette that contains the FastTrak33/66 driver.
- 2.) Once installation is complete and you have verified that the card is functioning properly, proceed to SCSI Controllers in Control Panel. Click on the add button and then "have disk". Insert diskette with FastTrak33/66 drivers on them and click OK. The "FastTrak/FastTrak66" driver will be displayed. Select it, click on finish, and reboot when prompted.
- 3.) Turn off computer and insert second card into system. Configure bios with arrays and then boot into NT 4.0 and open Disk Administrator. You should be able to see the arrays on the second card and be able to Partition/Format drives.

### **Existing Installation Instructions with no FastTraks in the computer**

- 1.) Boot NT 4.0 with drive on the onboard controller. Go to SCSI Controllers in Control Panel. Click on the add button and then "have disk". Insert diskette with FastTrak33/66 drivers on them and click OK. The FastTrak/FastTrak66" driver will be displayed. Select it, click on finish, and reboot when prompted.
- 2.) Turn off computer and insert first card into system (Connect boot drive if needed). Configure arrays in bios of FastTrak33/66 and then boot into NT 4.0. Then open Disk Administrator. You should be able to see the arrays on the first card and be able to Partition/Format drives.
- 3.) Turn off computer and insert second card into system. Configure arrays in bios of FastTrak33/66 and then boot into NT 4.0. Go back to SCSI Controllers and check the resources on the properties tab of the FastTrak/FastTrak66 driver that appears in SCSI Controllers (only 1 FastTrak/FastTrak66 driver

should appear). The card should have 2 IRQ's. Then open Disk Administrator. You should be able to see the arrays on the second card and be able to Partition/Format drives.

## Existing Installation Instructions with one FastTrak in the computer

- 1.) Boot NT 4.0 and then proceed to SCSI Controllers in the Control Panel. Click on the add button and then "have disk". Insert diskette with FastTrak33/66 drivers on them and click OK. The "FastTrak/FastTrak66" driver will be displayed. Select it, click on finish, and reboot when prompted.
- 2.) Turn off computer and insert second card into system. Configure arrays in bios of FastTrak33/66 and then boot into NT 4.0. Go back to SCSI Controllers and check the resources on the properties tab of the FastTrak/FastTrak66 driver that appears in SCSI Controllers (only 1 FastTrak/FastTrak66 driver should appear). The card should have 2 IRQ's. Then open Disk Administrator. You should be able to see the arrays on the second card and be able to Partition/Format drives.

## Problems Booting (beyond the post) or Starting the NT 4.0 Installation

### Process with two FastTrak's/FastTrak66's

After the addition of the second FastTrak/FastTrak66 you might experience problems booting beyond the POST or Starting the NT 4.0 Installation Process (usually a hang on Disk 1 of the Setup) using the 3 Diskette Method.

- The Computer Bios may hang after the FastTrak/FastTrak66 BIOS loads.
- You may get a "PCI Expansion ROM" Error.
- The Computer may hang after Checking Memory During the POST.
- The Computer may not power up at all (No Video).
- The NT 4.0 Install process halts after Disk 1 begins to load.
- Other Devices such as a Video Card, Network Card, Sound Card, or any PCI or ISA Based Device NO longer functions properly.

Most Cases involving the above symptoms are related to BIOS Memory Space Addressing. Some Motherboards cannot accommodate Both BIOS's. Only ONE BIOS is needed to Control BOTH FastTrak's/FastTrak66's.

Possible Resolution for FastTrak66- Flash ONE of the FastTrak66's with our **DUMMY BIOS**. YOU MUST REMOVE ONE FASTTRAK66 FROM THE MOTHERBOARD AND THEN BACKUP THE BIOS ON THE REMAINING FASTTRAK66 BEFORE FLASHING IT WITH THE DUMMY BIOS. FAILURE TO BACK UP THE EXISTING BIOS

WILL LEAVE YOU WITH A FASTTRAK66 THAT IS NOT USABLE IF YOU CHOOSE TO USE THE FASTTRAK66 AS A STAND ALONE DEVICE IN THE FUTURE.

**\*\*NOTE: Some Motherboards cannot properly handle the allocation of resources when dealing with Multiple BUS MASTER DEVICES. Some issues are IRQ related and others are purely Environmental (A Combo of certain hardware produces undesirable results).**

**You can download the Dummy BIOS for FastTrak66/33 from the Promise web support page.**

Possible Resolution for the FastTrak- Remove A BIOS (the EPROM) from ONE of the FASTTRAK'S. PLACE THE BIOS EPROM IN A SAFE DRY PLACE SO YOU CAN ACTIVATE THE FASTTRAK IN THE FUTURE.