

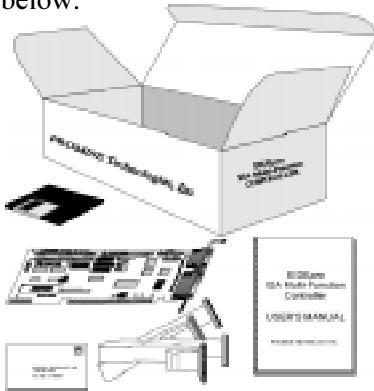
Getting Started

This section is designed to help you prepare the EIDEPRO for installation in your personal computer. For most users, resetting your EIDEPRO factory default jumper settings will **not** be necessary. The factory settings are already designed to handle the majority of Enhanced IDE devices, conventional IDE drives and controller combinations.

Please read through this chapter closely **before** attempting to install your EIDEPRO. Users should record their current Standard CMOS Setup Drive Types parameters.

Unpacking your EIDEPRO

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



- EIDEPRO Controller
- EIDEPRO User's Manual
- Registration Card
- EIDEPRO Utility and Driver
Diskette
- One Floppy Drive Cable
- One Internal IDE Hard Drive Cable
- One External Port Extender

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

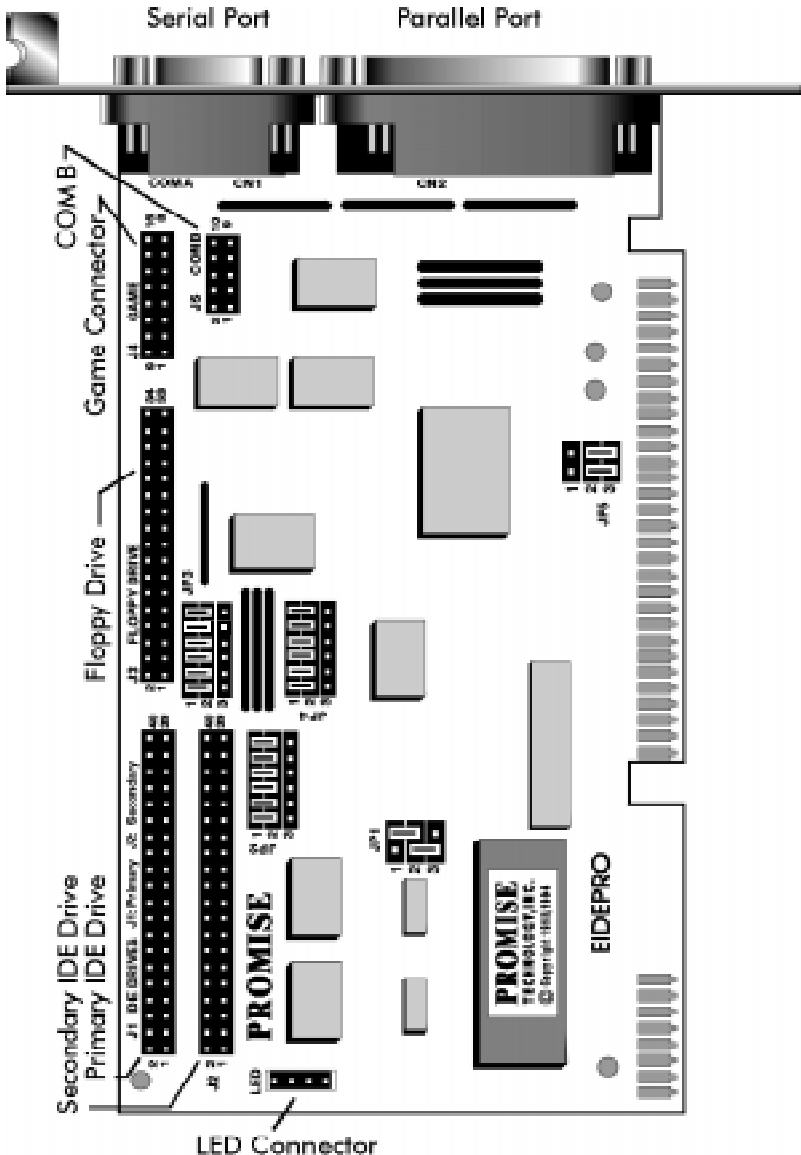
CAUTION IN HANDLING AND INSTALLING!

We want you to be completely comfortable in installing your EIDEPRO, so be careful when installing it in your system. Before installing the controller into an existing system, backup any necessary data. Failure to follow this accepted PC practice could result in data loss.

The EIDEPRO, like any valuable part of your computer system, is susceptible to static electricity.


EIDEPRO Board Layout

Use the illustration below to familiarize yourself with the layout of your EIDEPRO. The components on the layout are referred to several times throughout this User's Manual.



Configuring your EIDE^{PRO} Jumpers Settings




JP1: IDE IRQ Settings

1  Except to disable as cited in text, default settings should not be changed.






















Primary IDE

1  Disabled







Secondary IDE

4  Disabled
5  Disabled
6 










JP2: GAME / SECONDARY IDE / PRIMARY IDE / EXTERNAL BIOS SELECT

	Game	Secondary IDE	Primary IDE	External BIOS	BIOS	Select
1 	1 	4  IDE	7 	10 	10 	10 
2 	2 	5 	8 	11 	11 	11 
3 	3 	6 	9 	12 	12 	12 
Default Settings	Enabled	Enabled	Enabled	C8000H	CC000H	BIOS
Optional Settings	Disabled	Disabled	Disabled	D8000H	DC000H	Disabled

JP3: COM A / COM B / LPT SELECT

	COM A	COM B	LPT PORT	LPT IRQ
1 	1  4 COM1	7  10 COM2	13  Address 378 *	16  IRQ7
2 	2  5 IRQ4	8  11 IRQ3	14 	17  IRQ5
3 	3  6 Address3F8	9  12 Address 2F8	15 	18 
Default Settings	4 COM3	10 COM4	Address 378 *	IRQ5
Optional Settings	5 IRQ4	11 IRQ3	Address 278 *	IRQ5
	6 Address3E0	12 Address 2E0		
	4	10	* Address 378 is usually associated with LPT1 and Address 278 is usually associated with LPT2.	
	5 Disabled	11 Disabled		
	6	12		

JP4: LPT MODE / FLOPPY DRIVE SELECT

	LPT MODE	FLOPPY DRIVE SELECT
1 	1  4 ECP	13  16 Enabled
2 	2  5 EPP	14  17 Disabled
3 	3  6	15  18
Default Settings	4	
	5 EPP	
	6	
	4 UNI-DIRECTION	
	5	
	6	
	4 Disable LPT	
	5	
	6	

JP5: LPT ECP MODE DMA CHANNEL SELECT

1 	4 DMA CHANNEL 3	1 	4 DMA CHANNEL 1
2 	5	2 	5
3 	6 Default Settings	3 	6

Quick Installation Guide

Follow the installation instructions below to install the **EIDEPRO** controller into a new system.

1

Use Default Jumper Settings

The **EIDEPRO** default settings need no changes for most installations. Refer to Chapter 3 - Check your **EIDEPRO** Factory Default Jumper Settings for additional information.

EIDEPRO Feature	Factory Default Setting
EIDEPRO BIOS	Enabled at C8000H
Primary IDE Controller	Enabled
Secondary IDE Controller	Enabled
Floppy Controller	Enabled
COM_A Port	Enabled for COM 1
COM_B Port	Enabled for COM 2
LPT Port	Enabled for LPT 1 (378H)
Game Port	Enabled

2

Install **EIDEPRO** and connect cables

Power off the system and be sure you are well grounded. Remove or disable existing IDE controller. Insert the **EIDEPRO** into an open ISA slot.

Jumper and install the IDE drives with **EIDEPRO** per master/slave jumper settings recommended by the drive manufacturer. Connect cables to the **EIDEPRO** and devices. Note that the colored stripe indicates Pin 1 of the cable.

Cable Connections	Connector
Connect first two EIDE/IDE drives to this Primary IDE controller	J1
Connect second two EIDE/IDE drives to this Secondary IDE controller	J2
Connect floppy drives to controller	J3

At this time you may choose to attach a serial device (e.g. mouse) to the EIDEPRO (CN1) COM_A port and a the parallel device (e.g. printer) to the (CN2) 25-pin parallel connector. If there are additional serial or game devices to attach to the EIDEPRO, first install the supplied External Port Extender. Refer to Chapter 3 - Install the EIDEPRO Into Your System for details.

3**Configure Mainboard BIOS CMOS settings****Mainboard BIOS Standard CMOS Setup - Set Type 1**

Under C: and D: Drive types, set “Type 1” for installed drives. Save and reboot the system.

NOTE: It is normal for the Mainboard BIOS to report drive capacities of 10MB when drives are set to Type 1. When Type 1 is detected, the EIDEPRO BIOS autodetects drive parameters and enables LBA drive translation support which overrides the Mainboard BIOS parameters.

Advanced CMOS Setup - Turn off BIOS shadowing

Do not enable BIOS shadowing setting for the EIDEPRO BIOS address (Default-C8000H). Since the EIDEPRO BIOS already provides this feature it would interfere with the EIDEPRO operation.

4**Reading EIDEPRO BIOS Screen**

The EIDEPRO BIOS automatically configures the IDE drives and supplies boot time status messages.

The EIDEPRO BIOS enables LBA drive translation if it reads that the Mainboard BIOS is set for Drive Type 1. It then autosenses for IDE hard disks on the Secondary (J2) IDE controller and automatically enables LBA mode parameters.

5**Starting Operating System**

With a new DOS installation, partition and format new drives with standard DOS FDISK and FORMAT utilities or boot to Disk 1 of the DOS installation diskettes. Follow instructions from the manual of the specific operating system.

If DOS has already been installed on the large capacity drives before installing the *EIDEPRO*, remove any software disk translation such as Ontrack Disk Manager. Re-partition and reformat the drives with DOS FDISK and FORMAT using the *EIDEPRO* BIOS LBA drive translation large capacity drive support instead. Refer to Chapter 6 In Case of Trouble Removing Disk Manager.