Attachment

User's Manual

CD-ROM DRIVE

User's Manual
IDE/ATAPI

Please read this manual before operating the drive.

EPO Technology Inc.

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed or used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures: (1) Reorient or relocate the receiving antenna. (2) Increase the separation between the equipment and the receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Hardware Installation

Please follow these steps to install this CD-ROM Drive:

1. Turn off the PC and disconnect all power cords.
2. Remove the cover from your system. Refer to your system user's manual.
3. Setup your CD-ROM to Master or Slave.
4. Connect the 4-pin power cable and 40-pin IDE interface cable to the CD-ROM.
5. Connect the sound cable from the analog audio on the rear panel of the CD-ROM to your sound card if you have a sound card in your system.
6. Put the PC cover back.
7. Reconnect the computer power cord and turn on the computer.

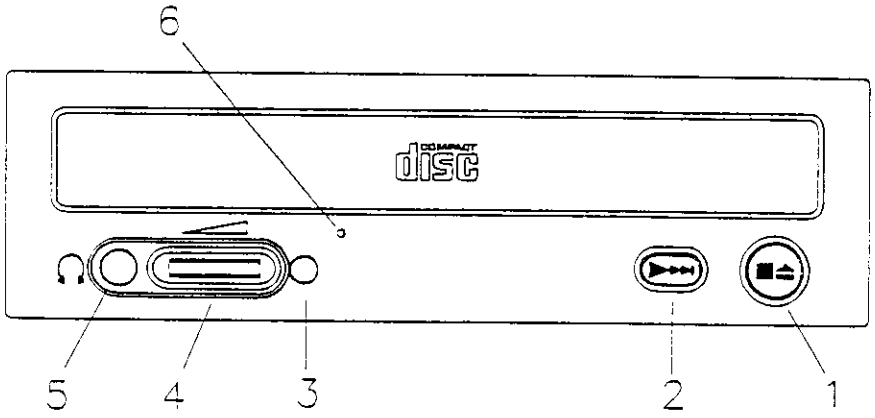
2. Software Installation

For Windows 95 or OS/2 Warp, no external device driver is needed. For DOS and Windows 3.1, the procedure for installation is as follows:

1. Turn on your PC with DOS booting.
2. Insert the CD-ROM device driver disk into a 3.5" floppy disk drive.
3. At the command prompt, type the driver letter of the drive you're using, followed by a colon (:), and then press Enter.
4. Type install, and then press Enter.
5. The Install program will automatically install the CD-ROM device driver to your system.
6. Reboot your System.

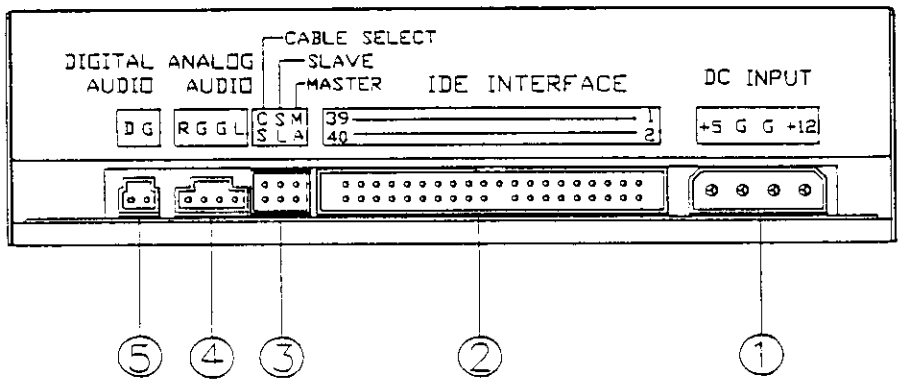
3. Using the CD-ROM Drive

Front Panel



1. Disc tray button opens and closes for disc loading and removal.
2. Audio Play/Skip track control button plays and skips one information track of an audio CD.
3. The Busy LED will be flashing while the CD-ROM is busy.
4. Headphone volume control adjusts headphone sound level.
5. Headphone jack is used for attaching headphones or self-amplified speakers for audio disc only.
6. Emergency Eject hole. Insert a straightened paper clip to eject the tray manually.

Rear Panel



1. Power supply connector connects the CD-ROM drive to the computer's power supply.
2. 40-pin IDE interface connector.
3. Device configuration jumper is installed on "SL" for slave mode by default. The CD-ROM drive can be configured as a master drive if the jumper is installed on "MA".
4. Audio line out connector has two channels, left and right audio outputs.
5. Digital Audio Output offers high quality audio effect by outputting digital to D/A converter.

4. Emergency Eject

The Emergency eject option allows the user to manually open the CD tray during a power malfunction.

Follow these steps to manually open the disc tray:

1. Insert and press an eject-bar inside the emergency eject hole to manually eject the tray.
2. A straightened paper clip with a diameter of 0.8 mm to 1.2mm can be used as an eject-bar.
3. When the disc tray opens, pull out the tray and remove the disc from the CD-ROM drive.

5. Specifications

COMPACT DISC			
Disc Type (data format)	CD-Audio, CD-ROM(modes 1 and 2). CD-ROM/XA(mode2, form 1 and form 2) CD-EXTRA, CD-I, Photo-CD(single and multiple Sessions), CD-WO, I-Trax CD, CD-RW		
DRIVE PERFORMANCE			
Disc Data Capacity: Mode 1 Mode 2	656MB 748MB		
Data Transfer Rate (KB/s)		Mode 1	Mode 2
Normal speed MTRP*		150 150*X	171 171*X
Data Buffer Size	128K		
Drive Reliability(MTBF)	100,000 POH(25% duty cycle at room temperature)		
Disc Size	80-mm and 120-mm		
INTERFACE			
Drive Interface Type	E-IDE (conforms to SFF8020 v1.2)		
AUDIO			
Analog Audio Output Ports Digital Audio Output Port	Headphone jack on front panel Line-out connector on the rear end of the drive (two stereo channels for each output port) Two-pin line out connector on the rear end of the Drive		
Audio Sampling Frequency	44.1KHz		
Audio Quantization	16 bits		
POWER REQUIREMENTS			
Voltage	+5V, +12V		
PHYSICAL CHARACTERISTICS			
Front Panel	Load/Eject button, Play/Skip button, Power-on/Busy LED indicator, 3.5-mm stereo Headphone jack, rotary volume control knob		
Rear Panel	Power-supply connector, IDE interface connector, Master/slave jumper, analog audio output connector, Digital audio output connector		

* MTRP (Maximum Transfer Rate Performance) = normal speed * CD-ROM drive speed. (Tolerance 10%) Example: 36X CD-ROM MTRP=150*36=5400 KB/sec.

Note: CR-836S is 36X CD-ROM MTRP=5400 KB/sec(max)
CR-840S is 40X CD-ROM MTRP=6000 KB/sec(max)