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# SCSI PCD-25&47

## Installation Manual

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### Disclaimer of Warranty

The manufacturer makes no representations or warranties, either expressed or implied, by or with respect to anything in this manual, and shall not be liable for any implied warranties of merchantability and fitness for a particular purpose or for any indirect, special or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so this exclusion may not apply to you.

### FCC Notice

This unit has been tested to meet FCC requirements 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 residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and 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 particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ?? Reorient or relocate the receiving antenna.
- ?? Increase the separation between the equipment and receiver.
- ?? Connect the equipment to a circuit outlet other than the receiver's.
- ?? In case of TV or radio interference, turn the antenna until the interference stops, or consider installing an antenna with coaxial cable lead-in between the antenna and the TV.

Modifications or changes to this product not expressly approved by the manufacturer could void the user's authority to operate the equipment.

### Underwriters Laboratories

This device is for use only with UL Listed personal computers that have installation instructions detailing user installation of card cage accessories



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designations used by manufacturers and sellers to distinguish their products are claimed as trademarks. Such designations appearing in this manual have been printed in initial caps.

Specifications are subject to change without notice.

## Specifications

Card Types:	ATA Flash cards, SRAM cards, Compact Flash cards with PC Card adapter, Smart Media cards with PC Card adapter complying with PC Card Standard Release 6.1
PC Card slot:	Type I,II, or III
Host Interface:	SCSI-II
SCSI Connector:	SCSI-II
Transfer rate:	3MB/sec for asynchronous transfer 4MB/sec for synchronous transfer
Power Requirements	
Standard	AC 100V to 120V, 50/60 Hz
Universal	AC 100V to 120V, 50/60 Hz
Power Consumption	0.2 A
External Dimension (W x D x H)	169 x 211 x 55 mm
Internal Dimensions (W x D x H)	101.6 x 25.4 x 150 mm
Weight:	Approximately 150 grams
Ambient Conditions for use:	Temperature +5 degrees celcius to +40 degrees celcius
Humidity:	20% to 80% (with no condensation)
PCD-25 Internal PCD-25 External	One Type III slot One Type II slot or One Type III slot One SSFDC (Smart Media) slot
PCD-47 Internal PCD-47 External	One Type III slot One Compact Flash slot One SSFDC (Smart Media) slot

Symptom	Cause	Corrective Measure
The power will not turn on	The power is not connected to an outlet or computer	Insert the power plug securely in an outlet or computer
The IBM PC/AT compatible computer hangs at bootup	Non-standard SCSI cable is in use	Use a standard SCSI cable
	The SCSI cable is too long	Use standard SCSI cable (6m or less in length)
	The settings for the SCSI board are not appropriate	Revise the the settings according to the SCSI board manual
	Loose connection at the SCSI connector	Plug the SCSI connector again
	Terminator is not activated	Activate the terminator
The PC Card cannot be recognized on the IBM PC/AT compatible computer	The same SCSI ID is assigned to another SCSI device	Power off all the SCSI devices then change the SCSI ID
	A terminator is included in another hard disk in a daisy chain connection	Remove the terminator from the hard disk or remove the terminator on the SCSI Card Reader
	EZ-SCSI is not installed	Install EZ-SCSI according to the EZ-SCSI manual, check the config.sys file for the proper setting
	ASPIDISK is not installed	Install ASPIDISK
	The Card is not properly inserted	Reinsert card properly

\* If you are using this unit in a UNIX environment it is assumed that you are familiar with installing and mounting SCSI devices and PC Cards. This unit will work with SUN Solaris,

FreeBSD, Linux and other UNIX operating systems. There is no support or drivers provided for the UNIX operating systems.

## PC Card Reader

This PC Card Reader is designed to be connected to a personal to read and write to PC Cards (ATA Flash and SRAM). A SCSI interface is used to enable the device to be connected to Macintosh, IBM PC/AT and Compatibles running DOS, Windows 3.1x, Windows 95/98/NT, Sun Sparc and Sun Ultra Sparc or other Personal Computers.

### PCD-25

PCD-25 model card reader comes in four configurations. Two configurations are internal and two configurations are external. The two different configurations for the internal and external are one Type III slot and a Type II or a Type III slot and a SSFDC (Smart Media) slot.

### PCD-47

PCD-47 comes in two configurations, internal and external. Both configurations have a Type III card slot, Compact Flash slot, and SSFDC (Smart Media) slot.

## Using with IBM PC/AT compatible computers

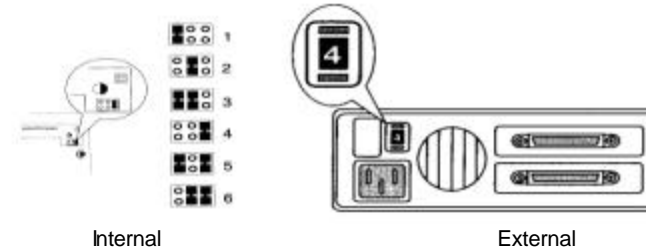
If you do not have SCSI board installed, follow manufacturers instructions that come with the SCSI board. Adaptec SCSI cards are recommended. For DOS, Windows 3.1x, Windows 95/98/NT, simply connect the PC Card reader to the SCSI board or another SCSI device and connect power and turn on card Readers Power and reboot the Computer. The card reader will appear as drive letters in "My computer". PCD-25 will give 2 drive letters and PCD-47 will give three Drive Letters.

## Macintosh

Connect the PC Card Reader to the SCSI port, the standard Macintosh hard disk interface. Use the Mac-PC Manager software driver, available as option, to mount the PC Cards removable media, ATA flash, Compact Flash, Smart Media, and PCMCIA Hard Disks.

### Setting SCSI ID

The SCSI Id is a unique number assigned to each SCSI device. The PCD-25 must therefore have two SCSI ID's and the PCD-47 must have SCSI ID's. The SCSI ID once set on the PC Card reader will take consecutive SCSI ID's for each Slot. When setting the SCSI ID's make sure that the Card Reader has the necessary consecutive SCSI ID's otherwise this will cause ID Conflicts. SCSI ID 7 is usually assigned to the computer and 0 through 6 are available for other SCSI devices.



If overlapping SCSI ID's are encountered change the SCSI ID's on the devices till there every device has its own unique ID. For Macintosh computers the SCSI ID=0 is set to the hard drive, SCSI ID=3 is set to the CD-ROM, and the SCSI ID=7 is set to the computer before shipment. SCSI ID 1,2,4,5,6 are available for this unit. For IBM PC/AT compatible computers SCSI ID's 0 and 1 may have been previously assigned to the hard disks. Therefore, SCSI ID's 2 through 6 are recommended for the PCD-25 and PCD-47. Once all the SCSI ID's are set then you can power up the computer and the computer will be able to recognize the devices at there unique SCSI ID.

### Termination

When the SCSI PC Card reader is the Only device on the chain or the last device on the chain, it must be terminated.

External: Attached the SCSI terminator to the open connector not being used.

Internal: Remove the cover plate over the terminator connectors with a screw drivers and insert the Terminating resistors and replace the cover plate securely.



External

Internal

### Using with IBM PC/AT or compatible computer

Once the SCSI Adapter has been installed, the PC Card reader Properly attached to the SCSI Adapter with SCSI ID's set and proper termination of SCSI chain done. The computer is then ready to be booted up.

### Windows 95/98 and Windows NT

On boot up the SCSI controller should be recognized. Once windows 95/98/NT comes up check My Computer. The drive letters for each Slot Should be Present. Insert PC Card to be accessed. The Reader will only read ATA Flash, Compact flash with Adapter, Smart Media with Adapter and SRAM.

### Using with Macintosh computer

The Macintosh driver mounts the removable media such as PC cards (ATA Flash and SRAM) on a Macintosh computer. This software allows the Macintosh computer automatically mount Macintosh formatted or DOS formatted PC Cards or other removable media.

(ATA Flash, Compact Flash with adapter, Smart Media with adapter, and SRAM cards will work in the read with Macintosh computers.)

### Before calling for repairs

Symptoms	Cause	Corrective Measure
The Macintosh computer hangs at start up	Non-standard SCSI cable in use	Use standard SCSI cable
	The SCSI cable is too long	Use standard SCSI cable (6m or shorter)

	The PCD-25 or PCD-47 and another SCSI device are not properly connected	Change the Cable connections
	The terminating resistor is not activated	Activate the terminating resistor
	The same SCSI ID is assigned to more than one device	Turn off the power to the SCSI device then change the SCSI ID
The PC Card can not be mounted (no icon is displayed)	The SCSI cables are not properly connected	Change the cable
	The terminator is not activated	Activate the terminator
	The Mac-PC manager is not installed	Install the Mac-PC manager in the system folder
	Mac-PC manager is in contention with other control panels or extended functions.	Delete the suspect control panels or extended functions, or change their names and startup activation order
	The card is not inserted properly	Reinsert the card properly