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	Floptical Host Adapter Proof-1 1525-2 Adap aba-01_sty_355006-2 Ado Cil. No.Rev. A. y. Gar and With 17,00 New York and Adapter Proof-1	2-2	the third or fourth floppy drive, the DOS logical drive desig- nator (A; B; C; etc.) assigned to the floptical drive is de- pendent on the DOS version. In general, versions of DOS prior to 5.0 logically map third and fourth floppy drives before hard disk drives. DOS versions 5.0 and later logically map third and fourth floppy drives <i>after</i> the hard disk drives	When two floptical drives are installed, they are configured as the first and second, second and third, or third and fourth floppy drives, depending on the number of standard floppy drives installed in the system.	A floptical drive may be configured as the bootable A: with a standard floppy drive installed as floppy B:. This is possible only if your system CMOS Setup utility allows for configura- tion of a B: floppy drive without a standard A: floppy drive configured.	When one floptical drive is installed, it is configured as the first, second, or third floppy, depending on the number of standard floppy drives installed in the system.	Floptical drives must be attached as SCSI target IDs 2 through 6. Do not use IDs 0 and 1 for floptical drives, as the host adapter BIOS looks for fixed disks at these addresses. The host adapter BIOS scans for flopticals starting with SCSI ID 2 and ending with SCSI ID 6.	Drives A: and B: are reserved for flexible diskette drives in the DOS environment and may be assigned to either stand- ard non-floptical diskette drives or floptical diskette drives.	Flexible Diskette Drives	The following drive configuration information may be help- ful when using the Setup program with your AT-compatible sys tem .		
5		System only be through system	eet the by the s cally in adapter equal to	and 1. The not can be s Setup p	Fixed Disk Drives Standard A driver. The driver. The	devi the syst mapped	Also, be file whi you add two sta above) v			For exa hard di signed a	Flopfical Host Ad	
	C15	h booting h achieved h your A1 determir	lect the number of sta by the system regard cally installed. SCS1 adapter's BIOS if the equal to either 0 or 1.	tation <i>sta</i> set up to program t	ives rd AT arc under DO	device = c:\ <i>drivenxsys</i> system won't find <i>dri</i> pped to the hard disk.	e aware o ich are dr 1 a floptic ndard flo with the f		B. A.	For example, in a hard disk, and on signed as follows: Drive DC	st Adapter	
	Photosite in the second	System booting from a SCSI hard disk drive used only be achieved if the standard hard disk is not through your AT computer vendor's Setup produce host system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disks is not the system determines the number of hard disks a disk and the system determines the number of hard disks a disk and the system determines the number of hard disks a disk	lect the number of standard hard disks that all by the system regardless of whether or not the cally installed. SCSI disks can only be accessed disks in adapter's BIOS if the number of standard hard by the equal to either 0 or 1.	and 1. The notation <i>standard hard disk</i> identifies the second standard hard disk identifies the second standard status and the second standard status and the second standard status and the second s	Disk Drives	device = c:\driverx.sys	Also, be aware of statements in a <i>config.sys</i> or example . file which are drive designator dependent. For <u>config</u> you add a floptical drive to a DOS 3.x/4.x systement two standard floppies and one hard disk (as data two standard floppies and one hard disk (as data above) with the following statement in the configuration	Floptical Hard Disk	First Floppy Second Floppy	For example, in a system with two standard fil- hard disk, and one floptical drive, drive design signed as follows: Drive DOS 3.x/4.x DOS 5.9		
	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	sk drive u d disk is n Setup pro ard disks ø	or not the or not the be accessed ndard hare	ntifies the <i>illed</i> statu your AT-	up to two l f an additi	ed to the f	nfig.sys or ndent. For x/4.x syste disk (as de in the con	Floptical	First Flo Second F	ive design		
		disks is				example, i	・ 11111		First Flo			
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Use the screw from the corresponding expansion slot over to secure the adapter's bracket to your AT system

Installation

Install the Floptical Host Adapter into an AT expansion slot

- Remove the cover of your AT personal computer that exscrewdriver can be used to remove the screws at the AT personal computers, a flat blade, medium-sized poses the AT bus slots, typically the top cover if the sys-tem were sitting flat on its base on a table. With most
- Locate an unused AT expansion slot in your system. Be style slots on their motherboards. AT-type slots can be careful, as some AT systems have both AT- and XTrecognized by having two physical edge connectors, one
- Remove the corresponding system expansion slot over by turning the screw counterclockwise that secures it from
- Align the AT I/O bus connector on the bottom of the over removed. Ensure the external connector passes cleanly through the cutout in the rear panel. Firmly Floptical Host Adapter to the open AT slot with the slot plug the Floptical Host Adapter into this AT slot as

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Floptical Host Adapter

Installation

Firmly, but in a straight forward fashion (to avoid bending the end pins of the internal SCSI connector), put the cable end on to this connector, lining up the pin 1 orientation.

 For external devices, the connector on the Floptical Host Adapter is a D-Shell connector that ensures correct pin 1 orientation.

Attach this cable to the external SCSI connector, then use the bail clips to hold it snugly in place.

Cable connection is shown in Figure 2-3. Both connectors would be attached only if both external and internal devices are being connected. If both are connected, remember to remove the terminating resistors.



Figure 2-3. Adapter Cabling

Attaching the Cable to the SCSI Device

- Place the cable so that it will lie freely within your system when the cover is replaced.
- Install the disk drive or other SCSI device as specified in the manufacturer's directions. Install the free end of the cable to the connector of the SCSI device, ensuring that correct pin 1 orientation is maintained.

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Floodeal March 11 1526-51 Cul. Note: Cul. 11, 1991 gm

2-10 Floptical Host Adapter Proof-1 15216-2-chp eha-01.aty 156206-2-doc Ctl. No.Rev. A. Cat. No. 510197-00 Nov. Nov. 11,3091 gm	The Floptical Host Adapter BIOS allows the use of zero, one, or two hard disks on the SCSI bus under DOS without a device driver.	If the system reports an initial number of hard drives greater than two, the following message is displayed: SYSTEM CONFIGURATION ERROR.	Target n: Instte I350VM Installed as Floppy #4	Target n: Insite I350VM Installed as Floppy #3	Target n: Insite 1350VM instatled as Drive B:	Target n: Insite I350VM Installed as Drive A:	The BIOS first scans for up to two floptical drives starting at SCSI ID 2 and ending at SCSI ID 6. As a result, one or more of the following messages is displayed, where <i>n</i> indi- cates the SCSI ID:	The Floptical Host Adapter BIOS allows the use of zero, one, or two floptical drives on the SCSI bus under DOS without a device driver.	In addition, the type of SCSI floptical and/or standard disk devices recognized by the BIOS are displayed with their ID numbers. Device messages appear on the screen in the for- mats described in Appendix A, <i>Message Displays</i> .	Adaptec AHA-1520/1522 BIOS Version 2.001 Copyright 1989-1991 Adaptec, Inc., All Rights Reserved	now performs all of the necessary initialization functions. The following message is displayed if the system success- fully recognizes the Floptical Host Adapter BIOS:	First, plug the system into your AC outlet. Next, turn the power switch to the on position. The initialization routine	Powering Up the System	3. Replace the system cover to prevent personal injury.	adaptec AHA-1520FS/1522FS
Current Para Constant Andrew P					Sainst the description in Section Three, <i>Configuration</i> .	t you continue to have difficulties, or wish to change technical attributes, check your board configuration	- Xo SCSI disk(s) found	الأحقال المنافقة (المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المالية المالية المنافقة منافقة المنافقة المنافية المنافقة المنافية المنافقة المنافية المنافقة المنافقة المنافية المنافية المنافية المنافية المنافية المنافية المنافية المنافية المنافقة المنافقة المنافقة المنافقة المنافية المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المنافقة المن منافقة المنافقة المنافية المنافية المنافية المنافية المنافية المنافي منافية المنافية المنافية المنافية المنافية المناف	If mi Budy hard disks are attached to an internal controller, the LMOS attempts to assign the first SCSI device (Target : aUNN) 0:0 as hard disk 0 (drive C:) If successful, the BIOS (decepts to assign another SCSI device as hard disk 1	^{te} pine nard disk is attached to an internal hard disk control- ^{te} r, and is already recognized by the system, the BIOS at- ^{sec} apts to assign the SCSI device (Target : LUN) 0:0 as the could drive (drive <i>D</i> .).	If n + 1 hand disk drives already installed. SCSI BIOS not installed.	désses control back to the standard hard disk controller. A lovice driver is needed to access SCSI devices and the fol- wing message is displayed:	$tr \mu_{WWO}$ hard disks are attached to an internal hard disk con- perfies, and are already recognized by the system, the BIOS	ricplical Htt St Adapter Installation	