BT-920
Quick Installation Guide

The Mylex BT-920 PCI Host Adapter is an intelligent PCI to SCSI bus master host adapter. This adapter is designed for easy installation and use. It provides high-performance interconnection between the Peripheral Component Interconnect (PCI) bus and up to seven Small Computer System Interface (SCSI) peripheral devices.

Hardware Requirements
Your PCI computer needs:
- One available PCI expansion slot
- At least one 3.5-inch floppy drive
- DC power for all internal subsystems
You will need the following cables:
- A 50-pin cable with a high-density connector to connect the BT-920 to external devices.
- A 50-pin flat ribbon cable to connect internal devices to the BT-920.
The peripherals you are attaching to the BT-920 should be SCSI-2 or SCSI-3 Common Command Set (CCS) compatible.

Software Requirements
You need:
- Device Setup, Partition, or Format Software

Refer to the documentation accompanying the peripheral device for additional information.
- Operating System Software

The BT-920 adapter offers device drivers for these operating systems: PC-DOS or MS-DOS, Windows 3.x, Windows 95, Windows NT 3.5x/4.x.
Tools
The following items may be needed when installing the adapter to your system:
- Small screwdriver
- Host system hardware manuals and manuals for the peripheral devices being installed.

Installation

Step 1. Prepare the host system and the adapter

Warning: Before handling the BT-920, take precautions to avoid damage from electrostatic discharge. Either use a grounding strap, or touch your computer on a metal part to discharge static electricity before handling the board. Always hold the board by the edges, even after static electricity is discharged.

1. Unpack the adapter.
2. Power down and unplug the host system.
3. Remove the exterior cover from the host system and locate an empty slot.
4. Remove the mounting screw and the existing bracket from the rear panel behind the selected PCI slot.

Step 2. Install the adapter

Insert the adapter into the selected empty slot. Press the BT-920 into the PCI slot, align the mounting bracket, and reinstall the mounting screw.

Caution: Make sure the board is properly seated in the slot.

Step 3. Install the internal devices and cables

Internal devices require a 50-pin flat ribbon cable. Use the ribbon cable included with the BT-920 to install one or two internal devices. Install one end of the ribbon cable to the 50-pin double row SCSI connector on the BT-920 host adapter.
Install the next connector on the ribbon cable on the first SCSI device. If no other devices are to be installed, this device must be terminated. Consult the owner's manual for information on how to terminate the device.

If a second internal device is to be included in the internal installation, do not terminate this first device. If the default configuration for the device is terminated, consult the owner's manual and disable termination.

To install a second internal device, install the last connector on the ribbon cable on the second SCSI device. This device must then be terminated.

Make sure each SCSI device has a unique SCSI ID assigned. See "Setting the SCSI ID for Peripheral Devices" for more information.

Install the LED cable (optional)
Insert a two-pin header connector from the drive active LED on the front panel of the host to the connector on the BT-920.

Step 4. Install external devices and cables

External devices are connected using the 50-pin (SCSI-2) cable with a high-density connector.

Connect the SCSI cable to the adapter SCSI connector and the other end to the SCSI device. Up to eight devices total may be included in one SCSI bus. The BT-920 counts as one of these eight devices.

Devices are attached in a daisy chain configuration until a maximum of eight devices is reached. The last device in the daisy chain must be terminated. All intermediate devices should not be terminated or should have termination disabled.

Step 5. Install device drivers

Drivers for DOS, Windows 95, and Windows NT 3.5x/4.x are provided on the included SW-200A diskette. Please refer to the README file on the diskette for installation information.
Important Setup Considerations

Setting the SCSI ID for Peripheral Devices
Each SCSI device must be assigned a unique SCSI ID ranging from 0 through 7. Your Mylex adapter is by default SCSI ID 7.

SCSI bus termination
The first and last SCSI devices connected on the SCSI bus must have terminators installed and/or enabled.

The BT-920 adapter supports both internal and external devices. If more than two SCSI devices are connected in a SCSI daisy chain (the adapter is considered as one device in the chain), remove or disable the terminator resistor pack on the middle devices.

- When attaching internal devices only, the last device in the chain must be terminated. The BT-920 automatically terminates the other end of the SCSI bus.
- When attaching external devices only, the last device in the chain must be terminated. The BT-920 automatically terminates the other end of the SCSI bus.
- Both internal and external devices can be attached to the same BT-920 adapter. The last device at either end of the SCSI bus (one internal end and one external end) must be terminated. The BT-920 automatically disables its termination to ensure SCSI bus integrity.
- Illegal configuration involves connecting the BT-920 adapter in the middle of a SCSI ribbon cable. The BT-920 adapter must be connected at the end of the ribbon cable.

NEED MORE INFORMATION?

If you need technical assistance please contact Mylex
Customer Service and Technical Support:

Address: 34551 Ardenwood Blvd.
          Fremont, CA 94555-3607
Phone: (510) 796-6100
Fax Requests: (408) 492-1542
e-mail: techsup@mylex.com

Product information may be obtained from the Mylex web site at:

http://www.mylex.com

Software and driver updates may be downloaded from the following locations:

BBS: (408) 492-1984 (14.4k, 8, N, 1)
ftp: ftp.mylex.com