

Installing the system on an ST2 hard drive interface



Overview

SEAGATE ST01, ST02 SCSI Host Adapter Installation Guide Learn how to install and set up the ST01 and ST02 SCSI Host Adapter with this comprehensive installa.

Key Takeaways

To install a system on a Seagate ST2 SCSI hard drive, connect the drive to the ST2 host adapter, ensure proper power and cable alignment, and use the included INSTALLR or Disk Manager software to prepare the drive for DOS. Hardware Setup

- Inspect Components: Verify the ST2 host adapter, hard drive, cables, mounting hardware, and documentation are complete and undamaged before installation .
- Mount the Drive: Install the hard drive in the left drive bay if possible, securing it with four 6-32 UNC screws. Ensure the circuit board faces down and avoid over-tightening .
- Connect Cables: Attach the SCSI cable from the ST2 host adapter to the drive, aligning pin 1 on both connectors. If using floppy drives, connect them to the ST2 as well. Connect the DC power line to the drive .



- **Install the Host Adapter:** Insert the ST2 host adapter into a standard IBM PC slot (short or long). Some versions may have a 16K ROM and auxiliary power connector; ensure compatibility with your system .

Software Setup

- **Boot DOS:** You must supply a DOS system, as the ST2 drive does not include a full operating system .
- **Use INSTALLR or Disk Manager:** Paired Program drives (marked with a "PR" label) include a small DOS partition with the INSTALLR program. For drives over 32 MB, Disk Manager software is included for partitioning .
- **Partition and Format:** Run INSTALLR or Disk Manager to create partitions and format the drive. Ensure the DOS system recognizes the drive and that the CONFIG.SYS file includes any necessary driver modules.
- **Verify Drive Detection:** During boot, confirm that the BIOS or DOS recognizes the ST2 drive. Adjust BIOS settings if necessary, ensuring SCSI channels are enabled and the drive is properly detected .

Additional Tips

- **Multiple Drives:** If installing more than two SCSI drives, additional device driver software may be required, as the ST2 does not provide drivers for multiple drives .
- **Floppy Drive Support:** The ST2 supports up to two 3.5-inch or 5.25-inch floppy drives, but BIOS and DOS versions must be compatible for proper operation .
- **Power and Cable Management:** Avoid obstructing cables with the power supply and ensure all connections are secure to prevent installation issues . Following these steps ensures that the ST2 SCSI hard drive is properly installed, partitioned, and ready for system installation under DOS or compatible operating systems.

Article Content

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1. Screws and screwdriver are for installing a 2.5-inch hard drive and M.2 hard drive.
2. Do NOT plug in or unplug hard drives

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