

Quick installation guide Ultrastar 9ES

Multimode SE/LVD¹

Models: DDRS-39130 DDRS-34560



Handling precautions

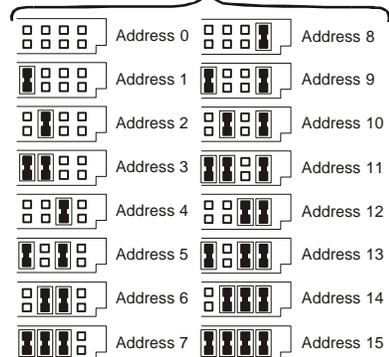
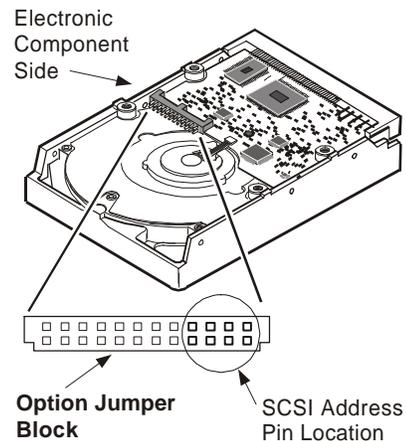
- Do not open the electrostatic discharge (ESD) bag containing the drive until required.
- Do not apply pressure on the drive during handling or installation.
- To prevent damage from impact or vibration always set the drive down gently.
- Handle the drive carefully by the edges. Do not touch the exposed printed circuit board or any electronic components.
- Do not press on the top or bottom of the drive.
- Do not cover the breather hole! Covering the breather hole may result in loss of data.
- Save the packaging materials including the ESD bag in the event that the drive must be returned.

Installing the drive

This guide provides instructions for the installation of a multimode SE/LVD hard disk drive.

1. Backup all data.
2. Record the serial number and part number of your hard drive for future reference.
3. Turn off the computer and remove the computer system cover.
4. Before handling the hard disk drive, discharge any static electricity from you and your clothing. With one hand touch an unpainted metal surface on your computer chassis, then touch the ESD bag with the other hand for a minimum of two seconds. Remove the ESD bag from the hard drive.
5. Unplug the computer.

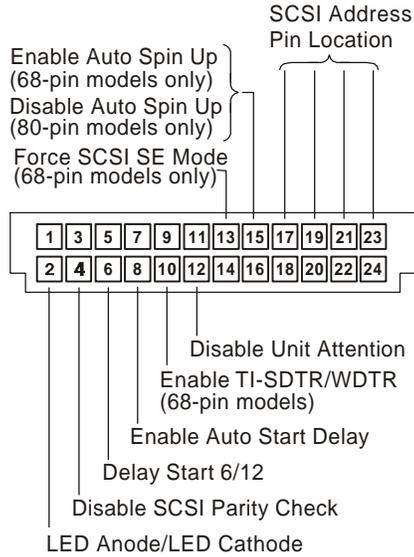
6. Assign a SCSI address to the drive. Address 7 is normally reserved for the SCSI controller. Refer to the illustration below, install the appropriate jumper(s) on the Option Jumper Block.



7. Refer to the following illustration to select desired option(s) and install the appropriate jumpers.

¹ PLEASE NOTE: If the Ultrastar multimode SE/LVD drive is attached to a SCSI bus with SE device(s), the drive operates in SE mode without installing the forced SCSI SE mode jumper.

Option Jumper Block



8. For a 68 pin drive attach the power cable and ensure that one end of the SCSI cable is connected to the controller card. Attach an LVD terminator to the other end of the cable. If the 68 pin drive is the only device on the SCSI cable, plug the drive into the connector immediately preceding the LVD terminator. Additional drives may be attached to any unused connector. (Drives with 80 pins are plugged into backplanes of servers and require no cables.)
9. Using the appropriate brackets or rails, mount the drive with any of its six surfaces facing down. Retrieve any loose screws or parts from within the computer.
10. Ensure proper routing of cable(s).
11. Plug in your computer. Do not turn it on.
12. Insert the operating system (OS) setup diskette into the floppy drive.
13. Turn on your computer.
 - If the system boots up, turn off your computer and replace the cover.
 - If your system does not boot up, turn off your computer and check all connections and settings. Turn on your system and reboot.
 - If the system still fails to boot up, turn off your computer and remove the new drive to return the system to its original configuration and call the IBM Hard Disk Drive Technical Support Center.

Partitioning and formatting (using DOS 5.0 or later)

CAUTION: When partitioning and formatting a system with more than one hard disk drive be sure that you select the correct hard drive. Partitioning and formatting will destroy any previous data.

1. Insert the OS setup diskette into the floppy drive.
2. Turn on the computer.
3. At the DOS prompt type FDISK, press [ENTER], and follow the instructions on the screen.
4. To format the primary system drive, type FORMAT C:/S at the DOS command prompt and press [ENTER]. The /S parameter makes C: the operating system startup drive.
5. To format a second drive (not C:), type FORMAT X: (where X is the drive letter assigned by FDISK) at the DOS prompt and press [ENTER].
6. Remove the diskette and restart your computer. The partitioning and formatting is complete.
7. Install the operating system.



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OEM Hard Disk Drive Specifications for DDRS-39130 / DDRS-34560 (Revision 2.0)

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