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Quick installation guide
Hitachi Deskstar T7K250
Ultra ATA/133 Hard disk drive

Models:

   HDS722525DLAT80
   HDS722516DLAT80

System requirements for Ultra ATA/133

If you do not have the components listed below, your drive will function but at speeds lower than 133 MB/s.

- 40-pin, 80-conductor cable
- A controller card or motherboard chipset with Ultra ATA/133 capability
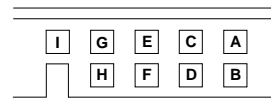- Ultra ATA/133 compatible BIOS or driver

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Handling precautions

- Set the drive down gently to prevent damage from impact or vibration.
- Do not open the ESD bag containing the drive until needed.
- 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 drive breather hole.
- Before handling the drive, discharge any static electricity from yourself and your clothing. With one hand touch an unpainted metal surface on your computer chassis, then touch the ESD bag with the other hand. Remain in contact with the chassis and the bag for a minimum of two seconds.

Quick installation procedure

Note: Back up all data before installing drive!

1. Turn off the computer.
2. Unplug the computer
3. Remove the computer cover as instructed by the computer system manual.
4. Discharge static electricity (see Handling pre-cautions).
5. Note the mounting position of existing drives and cables. If you are replacing a drive or any cable, remove it now.
6. Remove the drive from the ESD bag.
7. Record the model, the part number, and the serial number of the drive for future reference.
8. Insert the required jumpers. Refer to the jumper block diagram below.
   - If the drive is the only drive on a cable or the master drive on a two-drive cable, leave the jumpers as set at A-B and G-H for 16 head logical architecture. The jumpers are factory-set to Master-16 heads.
   - If the drive is the slave drive on a two-drive cable, set the jumpers at A-B and C-D for 16-head logical architecture.

I	G	E	C	A
H	F	D	B	

9. Attach the IDE cable**.**
   - If you have a 40-pin 40-conductor cable, attach the system connector of the cable to the IDE port on the motherboard or controller card. The pin 1 side of the IDE cable is marked with a stripe. The connector can only be inserted one way.
   - If you have a 40-pin 80-conductor cable, attach the drive to the appropriate color-coded connector. Forty-pin 80-conductor cables are color-coded black for Master, gray for Slave, and blue for system connectors.

10. Attach the power supply cable to the drive. Match the connector bevels.
11. Mount the drive securely.
12. Verify all attachments.
13. Replace the computer cover.
14. Plug in the computer.
15. Turn on the computer.
16. Verify that the hard disk is recognized by the BIOS and is reporting the full capacity of the drive. Instructions for accessing your BIOS can be found in the computer system manual or in the mother-board manufacturer documentation. If the drive is not recognized in the BIOS, set the BIOS options of your computer system to Auto Detection and LBA mode if available. Once the drive is recognized correctly in the BIOS, it is ready to be partitioned and formatted.

137GB Limitation

With the 160GB and 250GB model, you may encounter a BIOS limitation of 137GB. Possible solutions for the 137GB limitation include operating system patches, 3rd party hardware or BIOS upgrade. If you would like additional information about the 137GB limitation and possible 3rd party solutions, see the FAQ "What is the 137GB limitation" at: *www.hitachigst.com/support*

17. Your operating system setup utility will provide instructions on how to partition and format your drive before it installs the operating system. For additional information see:

    www.hitachigst.com/support