



Quick installation guide

Deskstar 25GP & 22GXP

ATA/IDE



Models: DJNA-352500 DJNA-352030
DJNA-351520 DJNA-351010
DJNA-372200 DJNA-371800
DJNA-371350 DJNA-370910

Handling precautions

- Do not open the ESD (electro-static discharge) bag containing the drive until required.
- Do not apply pressure on the drive during handling or installation.
- Always handle the drive with care to prevent damage from shock, vibration, or electrostatic discharge
- Handle the drive carefully by the edges. Do not touch any exposed printed circuit board.
- Do not cover the breather hole! Covering the breather hole may result in loss of data.

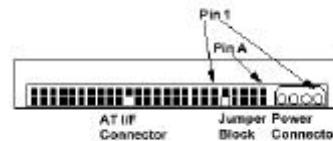
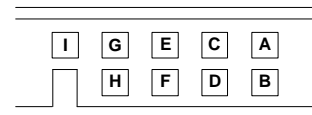
Quick installation procedure

1. Save the packaging materials including the ESD bag in the event that the drive must be returned.
2. Backup all data before beginning installation.
3. Record the serial number and part number of your IBM Deskstar drive for future reference.
4. Turn off the computer and remove the system cover.
5. Discharge the static electricity from the package and from your body. With one hand touch an unpainted metal surface on your computer chassis, then touch the ESD bag with the other hand for at least 2 seconds.
6. Remove the drive from the ESD bag.
7. Unplug the computer.
8. Set the jumpers. Refer to the diagram below.
 - If the drive is the only drive on the cable, set the jumpers at A-B and G-H for 16 logical head architecture. This is the Master setting.

- If the drive is the "Slave" drive on a two-drive cable, set the jumpers at A-B and C-D for 16 logical head architecture. This is the Slave setting.

The shipping default setting is Master 16 logical head architecture.

Jumper block



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 an IDE cable is marked with a stripe. The connectors are keyed to insert one way only.
 - If you have a 40 pin, 80 conductor cable, attach the drive to the appropriate color coded connector. ATA/66 cables are color coded for the Master, Slave, and system connectors. The Master connector is black, the Slave connector is gray, and the system connector is blue.
10. Attach the power supply cable to the hard disk drive. Match the connector bevels.

IBM storage products

- Using the appropriate brackets or rails, mount the drive with any side or end in a vertical or horizontal position. (Do not mount the drive in a tilted position.)
- Ensure proper routing of the cable(s).
- Retrieve any loose screws or parts from within the computer.
- Verify all settings and replace the cover.
- Plug in your computer. Do not turn it on.
- Insert the DriveGuide or OS setup diskette in the floppy drive.
- Turn on the computer.
- Boot your system.
 - If the system boots up, turn off your computer and replace the cover.
 - If the system does not boot up, check all settings.
 - If the system still fails to boot up, remove the new drive to return the system to its original configuration. Call the IBM Hard Disk Drive Technical Support Center.
- Set the BIOS options of your computer system to Auto Detection and LBA mode if available. Key sequences for accessing your BIOS can be found in your computer system manual. The following chart lists true LBA sector counts and drive capacities. Translated schemes are derived from the LBA count of a drive.

IBM model number	Cylinders	Heads	Sector /Track	Capacity
DJNA-352500	16,383	16	63	25GB
DJNA-352030	16,383	16	63	20GB
DJNA-351520	16,383	16	63	15GB
DJNA-351010	16,383	16	63	10GB
DJNA-372200	16,383	16	63	22GB
DJNA-371800	16,383	16	63	18GB
DJNA-371350	16,383	16	63	13.5GB
DJNA-370910	16,383	16	63	9GB

Partitioning and formatting

Partition and format your drive with one of these two methods:

DriveGuide

- Boot the DriveGuide installation utility.
- If the DriveGuide configuration matches your new system configuration, continue. If the system configuration is not a match, or you want to proceed manually, select *no*. Then verify BIOS settings, cabling, and jumpers and run DriveGuide again.
- Drive Guide determines available partition sizes based on the operating system to be installed. Select the partition sizes for your installation.
- Click "Finish" to complete the partitioning and formatting of your drive.

FDISK.EXE and **FORMAT.EXE** (or a similar partitioning software from your operating system)

- Follow the instructions provided with your operating system to partition the drive. If FDISK.EXE does not recognize more than 8.4 gigabytes and your drive is larger than 8.4 gigabytes, your BIOS may not be supporting Interrupt 13 Extensions.
- Format the drive by following the instructions provided with FORMAT.EXE. Formatting will verify the hard disk media and create file allocation tables for the partition.

Install an operating system. Consult your operating system manual.

For additional information on the drive and its installation see

<http://www.storage.ibm.com/hardsoft/diskdrdl/prod/deskstar.htm>



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