



# Quick installation guide

## Deskstar 34GXP & 37GP

### AT/IDE



Models:	DPTA-353750	DPTA-353000
	DPTA-352250	DPTA-351500
	DPTA-373420	DPTA-372730
	DPTA-372050	DPTA-371360

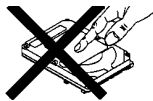
#### System requirements for Ultra ATA/66

- 40 pin, 80 conductor cable
- A controller card or motherboard chipset with Ultra ATA/66 or higher capability
- Ultra ATA/66 compatible BIOS

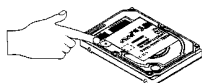
If you do not have the above components, your drive will function, but at speeds lower than 66.6 MB/second.

#### 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.

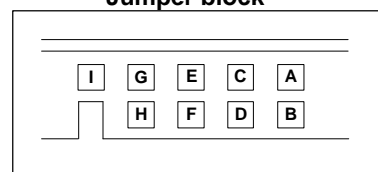


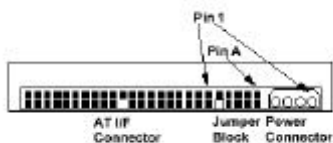
#### Quick installation procedure

1. Save the packaging materials including the ESD bag in the event that the drive must be returned.
2. Record the serial number and part number of your IBM Deskstar for future reference.
3. Backup all data before proceeding with installation.
4. Turn off the computer.
5. Open the case as directed by the computer system manual.
6. 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.
7. Unplug the computer.
8. Remove the drive from the ESD bag.
9. 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





10. 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.
11. Attach the power supply cable to the hard disk drive. Match the connector bevels.
12. Mount the drive securely.
13. Verify all attachments.
14. Replace the computer cover.
15. Plug in your computer.
16. Insert the DriveGuide or OS setup diskette in the floppy drive.
17. Turn on the computer.
18. 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	LBA sector count	Capacity
DPTA-353750	73,261,440	37.5GB
DPTA-353000	58,600,080	30.0GB
DPTA-352250	43,985,088	22.5GB
DPTA-351500	29,336,832	15.0GB
DPTA-373420	66,835,440	34.2GB
DPTA-372730	53,464,320	27.3GB
DPTA-372050	40,088,160	20.5GB
DPTA-371360	26,712,000	13.7GB

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

- DriveGuide
  - i. Boot the DriveGuide installation utility.
  - ii. 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.

- iii. Drive Guide determines available partition sizes based on the operating system to be installed. Select the partition sizes for your installation.
- iv. 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.

21. Reboot your system. If your system does not boot up, recheck 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.
22. Install an operating system. Consult the 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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[www.ibm.com/harddrive](http://www.ibm.com/harddrive)

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OEM Hard Disk Drive Specification for DPTA-3xxxxx 3.5-Inch Hard Disk Drive with ATA interface, revision 2.0

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