



# Quick installation guide

## Deskstar 180GXP

### Ultra ATA/100

Models: IC35L030AVV207  
IC35L060AVV207  
IC35L090AVV207  
IC35L120AVV207  
IC35L180AVV207



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#### System requirements for Ultra ATA/100

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If you do not have the components listed below, your drive will function but at speeds lower than 100 MB/s.

- 40-pin, 80-conductor cable
- A controller card or motherboard chipset with Ultra ATA/100 capability
- Ultra ATA/100 compatible BIOS or driver

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#### Handling precautions

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- 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.

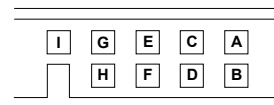
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#### Quick installation procedure

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Note: Back up all data before installing drive!

1. Turn off the computer.
2. Remove the computer cover as instructed by the computer system manual.
3. Discharge static electricity (see Handling precautions).
4. Unplug the computer.
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.



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. Insert the OS setup diskette in the floppy disk drive.
16. Turn on the computer.
17. 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 the computer system manual or in the motherboard manufacturer documentation.
18. **Partition and format** : For instructions on how to Partition and format your drive, see the "Partitioning and Formatting Reference Guide."
  - **FDISK.EXE and FORMAT.EXE** (or a similar partitioning software from the operating system)  
*Follow the instructions provided with your operating system to partition the drive.*  
*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.*
19. The 180-GB model may encounter a limitation of 137 GB. Most BIOS will not be able to handle drives over 137 GB. A list of FAQs is available on the Web.
20. Boot up the system. If the system does not boot up, check all the settings and try again. If the system still fails to boot up, call the IBM Technology Group Support Center for assistance.
20. After the system boots up, install an operating system. Consult the operating system manual.

For additional information on the drive and its installation see the following Web site:

<http://www.ibm.com/storage/hdd/support>



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[www.ibm.com/harddrive](http://www.ibm.com/harddrive)

**IBM Technology Group Support Center**

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**Singapore Technical Group Support Center**

Telephone: (65)6418.9595 or 1800.418.9595

E-mail: [drive@sg.ibm.com](mailto:drive@sg.ibm.com)

**UK Technical Group Support Center**

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Printed in the United States of America

09-2002

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Deskstar 180GXP Hark disk drive specifications, Revision 4.0

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Date: 30 September 2002©