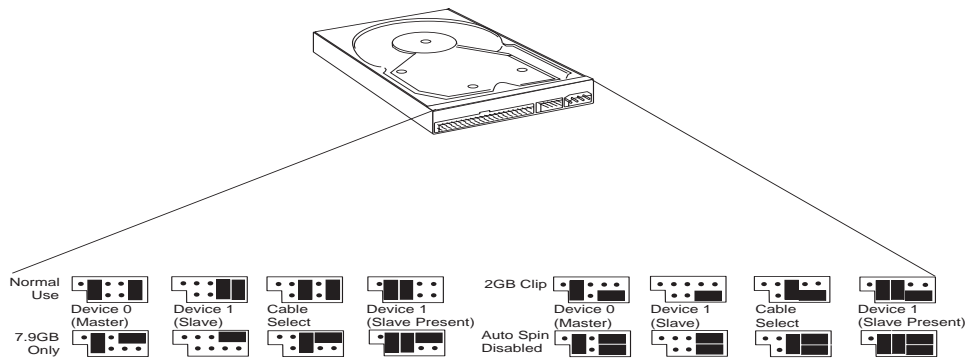


16.8 GB Enhanced IDE Hard Disk Drive User's Guide Supplement

This supplement contains jumper setting, specification, and warranty information for your hard disk drive.



WINDOWS 98, WINDOWS 95, AND WINDOWS 3.1 USERS:
Go directly to the "Installing DiskGo!" section in the User's Guide.

WINDOWS NT AND OS/2 USERS:
Read this entire section before returning to the User's Guide.

The IBM Enhanced IDE 16.8 GB Hard Disk Drive offers a choice of jumper configurations, so that the drive will function properly on the widest range of computers. In some computers, the BIOS will not recognize a hard disk drive reporting more than a 2.1 GB capacity. The following instructions will help you determine if your system has this kind of BIOS, and what configuration settings your computer requires.

1. Locate the jumper configuration settings label on the back of your drive. Use a jumper setting from the **Normal Use** set in order for the drive to tell your system that its capacity is 16.8 GB.
2. Return to the *User's Guide* and follow instructions beginning with "Determining Where to Begin" in the Installation Guide (Part 2).
3. If you follow the steps in the *User's Guide*, and the configuration-setup program recognizes your drive at its true capacity, partition and format your drive using instructions given in the "Partitioning and Formatting Your Drive" section in the *User's Guide*. If the configuration-setup program reports the drive's capacity as smaller than what it actually is, you must use *Disk Manager* to access the drive's full capacity.
4. If your drive seems to lockup or hang after you restart your system, check the computer's interface and power supply connections. Next, attempt to disable the autodetection facility of your setup software as described in "Step 1. Solving Problems" in the *User's Guide* Appendix B. If your drive is still not working correctly and performing the above actions, continue to step 5.
5. Your computer may have problems starting up because the setup program in your BIOS cannot correctly identify your high-capacity drive. Change the configuration jumpers on the drive to the correct selection in the set titled **2 GB Clip**, illustrated above. If you need a third jumper for your setting, look for an extra jumper in a small bag, included in your option package. The **2 GB Clip** jumper settings allow the BIOS to treat your drive as a 2.1 GB drive, which prevents BIOS problems when you start the computer. Return to the *User's Guide* as directed in step 2 above and attempt to complete the installation again. You will need to use *Disk Manager* to access your drive's full capacity. If your system still locks up or hangs, refer to "Step 3. Placing the Call to IBM" in the *User's Guide* Appendix B.

ATTENTION OS/2 USERS: This hard drive requires the latest OS/2 device drivers to use its full capacity. Go to the OS/2 Device Driver Web page (**OS/2 Device Driver Pak**) at <http://service.software.ibm.com/os2ddpak/html/index.htm> to obtain the OS/2 hard drive updates. Select "OS/2 Component Updates." Select "Installation Diskette Updates." Then select "Greater than 4.3 GB IDE Hardfile Support." Next, download the "idedasd.exe" file. (Read "helpful instructions" for download instructions.) Follow all the instructions in the "readme" included in the "idedasd.exe" file to install the hard drive updates. Use the diskettes to install the device drivers that allow OS/2 to use the full capacity of your hard disk drive.

Specifications for the 16.8 GB EIDE Hard Disk Drive¹

<i>Operating Environment:</i> Shock (11ms) Temperature (inside the system) Relative humidity (non-condensing) Vibration	<i>Operating / Not Operating</i> 10 G / 75 G 5°–55°C / 0°–65°C 8%–90% / 5%–95% 1.0 G / 2.0 G
<i>Power Requirements (all values typical averages):</i> +5 V dc idle amps +12 V dc idle amps +5 V dc startup amps +12 V dc startup amps Idle power watts	0.29 0.29 0.70 2.0 4.9
<i>Performance (all values typical averages):</i> Read - seek time Write - seek time Rotational speed Buffer size	8.5 ms 9.5 ms 5400 RPM 512 KB ²
<i>Part Numbers:</i> Retail option part number Drive part number	01K1324 00K4072
<i>Logical Parameters:</i> Number of heads Number of cylinders Number of sectors per track	16 16383 63
<i>Disk Drive Configuration:</i> Formatted capacity	16800 MB
<i>Disk Transfer (Buffer to Host):</i> Burst (Max. MB/sec) Ultra DMA Mode-2 DMA Mode-2 PIO Mode-4 Sustained (Avg. MB/sec)	33 16.6 16.6 6–12
<p>¹Actual performance varies based upon many factors and is frequently less than the maximum possible.</p> <p>²Up to 50 KB reserved for drive firmware.</p>	

The following warranty information applies to products purchased in the United States, Canada, and Puerto Rico. For warranty terms and conditions for products purchased in other countries, see the enclosed Warranty insert, or contact your IBM reseller or IBM marketing representative.

International Business Machines Corporation

Armonk, New York,
10504

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Machine: 16.8 GB Hard Disk Drive P/N: 01K1324

Warranty Period*: Three Years

*Contact your place of purchase for warranty service information.

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During the warranty period IBM or your reseller, if authorized by IBM, will provide warranty service under the type of service designated for the Machine and will manage and install engineering changes that apply to the Machine.

For IBM or your reseller to provide warranty service for a feature, conversion, or upgrade, IBM or your reseller may require that the Machine on which it is installed be 1) for certain Machines, the designated, serial-numbered Machine and 2) at an engineering-change level compatible with the feature, conversion, or upgrade. Many of these transactions involve the removal of parts and their return to IBM. You represent that all removed parts are genuine and unaltered. A part that replaces a removed part will assume the warranty service status of the replaced part.

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If you transfer a Machine to another user, warranty service is available to that user for the remainder of the warranty period. You should give your proof of purchase and this Statement to that user. However, for Machines which have a life-time warranty, this warranty is not transferable.

Warranty Service

To obtain warranty service for the Machine, you should contact your reseller or call IBM. In the United States, call IBM at **1-800-772-2227**. In Canada, call IBM at **1-800-565-3344**. You may be required to present proof of purchase.

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You agree to:

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 - a. follow the problem determination, problem analysis, and service request procedures that IBM or your reseller provide,
 - b. secure all programs, data, and funds contained in a Machine, and
 - c. inform IBM or your reseller of changes in a Machine's location.

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