INSTALLING WINDOWS 95 OPERATING SYSTEM

On Hard Drives with Capacities Exceeding 528MB

Your Western Digital hard drive is fully compatible with all PC operating systems, including Windows 95.

If you are installing Windows 95 on a hard drive with a capacity over 528 MB*, your computer system may or may not support the hard drive's full capacity. Most computer systems manufactured before 1994 do not support hard drive capacities greater than 528 MB unless the system BIOS (Basic Input Output System) has been updated or a third-party software package, such as Ontrack Disk Manager, has been installed.

A BIOS that allows your system to recognize hard drive capacities greater than 528 MB is called a *translating* BIOS.

To verify that a system manufactured in 1994 or later will support your drive we suggest the following:

1. Contact your system or BIOS manufacturer and verify that your system supports hard drive capacities over 528 MB.
2. Enter your CMOS setup, look for options such as "LBA," "Large Disk Access," or "Translation," and enable these options.
3. Frequently, but not always, you must select an auto config drive type. If you see a value greater than 16 heads, you probably have a translating BIOS.

If you have determined that your system will not support drive capacities over 528 MB, you may contact your system or BIOS manufacturer and obtain an updated BIOS that will support your drive. This is usually referred to as a "translating BIOS" or "Enhanced IDE BIOS." Some of the more common BIOS manufacturers and their phone numbers are:

AMI	(404) 263-8181
Award	(415) 968-4433
Micro Firmware (Phoenix)	(405) 321-8333
MR BIOS	(508) 686-6468
Phoenix	(617) 551-4000

Note: All BIOSs are different. The information supplied here is not meant to be followed step-by-step, but is provided as a guideline.

WINDOWS 95

Although Windows 95 is capable of recognizing the full capacity of hard drives larger than 528 MB in systems with a translating BIOS, some restrictions apply to systems *without* a translating BIOS.

For Systems **With** a Translating BIOS

Enter your CMOS setup and select a drive type that will recognize the full capacity of your drive. This is usually done by selecting the auto config drive type. The boot partition can be set up to be as large as the full capacity of your hard drive.

For Systems **Without** a Translating BIOS

Enter your CMOS setup and select a user defined drive type. Enter these parameters: cylinders = 1024, heads = 16, sectors = 63. Your system's total disk space will be limited to a maximum of 528 MB.

If you want your system to utilize more than 528 MB of disk space, you must use Ontrack's Disk Manager software (or a similar third-party installation software).

INSTALLING WINDOWS 95 ON A HARD DRIVE WITH ONTRACK DISK MANAGER ALREADY INSTALLED

The Windows 95 installation program will analyze your computer system and install seamlessly with Ontrack Disk Manager.

COMPUTER SYSTEMS WITH WINDOWS 95 ALREADY INSTALLED

If you are installing a Western Digital hard drive and Ontrack Disk Manager on a computer system with Windows 95 already installed, you must install Disk Manager as described here.

Enter your CMOS setup and select a user defined drive type. Enter these parameters for drives with capacities over 528 MB: Cylinders = 1024, Heads = 16, Sectors = 63.
Save these changes and reboot your computer.

1. Select the *Start* icon from the Windows 95 main screen. **DO NOT open an MS-DOS menu from Windows 95 to install Disk Manager.**
2. Choose the *Shut Down* option.
3. Select *Restart Computer in DOS mode.* When your computer restarts, you should be at the DOS prompt.
4. Install Disk Manager as described in the Caviar Hard Drive Kit Installation Guide.

Windows 95 will now recognize the full capacity of your hard drive and run in 32-bit disk access mode for optimum performance.

* Western Digital defines a megabyte as 1,000,000 bytes. CMOS setup and some utility software programs define a megabyte as 1,048,576 bytes. A 528 MB partition is shown on the screen as a 503 MB partition in many CMOS setup programs due to the difference in the definition of a megabyte.

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