

Data Lifeguard EZ-Install Software

Data Lifeguard Tools - Western Digital EIDE Hard Drives

Part of Western Digital's commitment to providing the most reliable, high-quality hard drives on the market is to ensure that you have all the tools required to successfully install our EIDE hard drives.

To this end, Western Digital provides a set of software programs called Data Lifeguard Tools to assist with hard drive installation, drive management, and repair.

Data Lifeguard Tools	Function
EZ-Install (formerly EZ-Drive)	Partitions, formats, and copies hard drives
Diagnostics (formerly WDDIAG)	Identifies and repairs most drive errors
BIOS Check	Provides BIOS information for technical support on larger drives
Ultra ATA/66 Management (formerly WDATA66)	Manages Ultra ATA/66 functions

This information sheet provides data regarding the use of Data Lifeguard EZ-Install only. Please refer to the following documents for more information about Data Lifeguard Tools:

Document	Document Number
Data Lifeguard Tools User Guide	79-870040-000
Data Lifeguard Diagnostics User Guide	79-870033-002
Ultra ATA/66 Interface FAQ	79-850120-001

Partitioning and Formatting with EZ-Install

Partitioning and formatting your hard drive provides the data structure that allows your operating system to store and retrieve files. Your hard drive cannot be used until it has been

partitioned and formatted because it has no way of knowing where to store and retrieve the data.

EZ-Install automatically partitions and formats your hard drive. You can accept the EZ-Install default partition sizes or create custom partitions.

Important: DOS, Windows 3.1x, and early versions of Windows 95 use FAT16 file systems that have a 2.1 GB partition limit. You must create multiple partitions on hard drives larger than 2.1 GB.

Copying System Files

EZ-Install copies the system files needed to boot your new hard drive. It does not install the operating system. You must install the operating system after installing EZ-Install. It is not necessary to have an operating system on your hard drive to run EZ-Install.

Copying the Contents of a Hard Drive

For DOS, Windows 3.1x, Windows 95, and Windows NT systems, use this feature to copy the contents (operating systems, data, hidden files, and programs) of an existing hard drive to your new hard drive. If you use this feature, you do not need to reinstall your operating systems and software programs on your new hard drive.

EZ-Install cannot copy OS/2 HPFS and Windows NT NTFS partitions (some OS/2 and Windows NT systems have these partition types).

Overcoming System BIOS Limitations

EZ-BIOS is code that installs on the boot sector of the hard drive if your system BIOS does not support the full capacity of your hard drive. EZ-BIOS helps your system overcome the 8.4 GB, 2.1 GB, and 528 MB barriers.

To determine if your system BIOS supports the full capacity of your hard drive, EZ-Install compares the system CMOS settings to the actual drive size. If the values match, EZ-Install only partitions and formats the hard drive; it does not install EZ-BIOS. If the values do not match, EZ-Install partitions and formats the hard drive and installs EZ-BIOS on the boot sector of the hard drive.

System BIOS Dates	BIOS Support Issue	Recommended Solution
Before January 1998	May not support hard drives larger than 8.4 GB	Ensure support of extended BIOS functions by using EZ-Install
Before February 1996	May not support hard drives larger than 2.1 GB	Update the system BIOS, install an EIDE controller card with onboard BIOS, or install third-party software such as EZ-Install.
Before August 1994	May not support hard drives larger than 528 MB	Update the system BIOS, install an EIDE controller card with onboard BIOS, or install third-party software such as EZ-Install.

Operating System Compatibility

You **can** use EZ-Install software with these operating systems:

- DOS 5.0 and above
- Windows 98 / Windows 95
- Windows 3.1x / Windows for Workgroups 3.11
- Windows NT 3.51 and 4.0 (do not use alternate jumper settings for hard drives >4.2 GB)
- OS/2 Warp 3.0 and 4.0

Important: Windows NT 3.51 and 4.0 and OS/2 Warp 3.0 and 4.0 do not support the EZ-Install floppy boot protection scheme. If using one of these operating system, you must disable floppy boot protection.

You **cannot** use EZ-Install software with these operating systems:

- Macintosh
- Novell NetWare
- Unix (including Linux)

Software Compatibility

Converting Ontrack Disk Manager Partitions to EZ-Install Partitions: Ontrack Disk Manager and EZ-Install cannot coexist in the same system.

If your existing hard drive has Ontrack Disk Manager installed, use the EZ-Install Fully Automatic Install to set up your new hard drive and convert Ontrack Disk Manager boot code to EZ-BIOS.

Even though EZ-Install converts Ontrack Disk Manager partitions to EZ-BIOS partitions without data loss, be sure to back up your existing hard drive before proceeding.

Data Compression Software: EZ-Install is compatible with Stacker, Drivespace, and Doublespace disk compression utilities. Other data compression software may not be compatible. Always back up your data before using any data compression software.

Diagnostic Software: Some system manufacturer diagnostic software may be incompatible with EZ-Install.

Hard Disk Device Drivers: Products that use their own hard disk device drivers such as third-party disk controllers and some caching controllers may be incompatible with EZ-Install.

Memory Managers: EZ-Install is fully compatible with the standard memory managers that come with DOS and Windows. However, EZ-Install loads in conventional memory and may be incompatible with some third-party memory managers.

Before you Begin

- Back up the data on your existing hard drive.
- Make sure you have a bootable DOS system disk or Windows 95 Startup disk, Data Lifeguard Tools disk, operating system software, and your system manual.
- Write down the hard drive type and parameters (cylinders/heads/sectors) for the existing hard drive. Do not change the parameters of your existing hard drive.

EZ-Install installation software is included with all retail hard drive purchases, is provided by authorized distributors, and is available on Western Digital's web site at www.westerndigital.com.

For service and literature:

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