Tools 95 and Iomega Tools

Tools 95 is an integrated software package designed to make your life easier and help you get things done. Tools 95 includes Iomega Tools utilities to help you manage basic tasks with your Iomega drives and disks, as well as specialized applications that help you carry out more complex tasks in the easiest possible way.

The basic Tools utilities are discussed in this help file. You can find help on any of the applications included in your Tools 95 software package by opening the application and clicking on Help.

Here's a quick description of the basic Iomega Tools:

Format allows you to prepare the disk in the selected drive, either with a short or long format.

Protect enables software protection for a Zip or Jaz disk in a selected drive.

Make Nonremovable is sometimes required either by software installations to the disk, or by software running from the disk.

Preferences allow you to configure your Iomega drives and disks to meet your specific needs.

Iomega Watch makes it easy and convenient to use read/write protected Zip or Jaz disks.

{button ,PI(`TOOLS.HLP',`How_to_access_tools_95')} How to Access Tools 95

Quick Help for Iomega Tools

Your Iomega Tools software supports the handy quick help feature available in Windows 95. Quick help can be accessed in any window that has a question mark icon in the upper right hand corner.

You can access quick help two ways:

1. Click on the question mark icon (illustrated at right), and then on any screen item.

OR

2. Click the RIGHT mouse button on the screen item where you want help, and then click on **"What's This"** (illustrated at right).

The information given in quick help boxes is short and concise, and is meant to give enough information to help you get through your operation. The help file you are reading now is more thorough and complete and is meant to give you a broader understanding of the different Iomega tools and their functions.

Format

The Format tool allows you to erase or prepare a disk for new data.

A **short** format is quick, but does not verify the disk surface. Use this option when reformatting a disk only if you are sure the disk is undamaged.

A **long** format (also called a low-level format or format with surface verify) prepares the entire disk and verifies the disk surface at the same time. Use this option to repair a disk that has developed read/write errors.

If you need to reformat a disk where you have forgotten the password, use the long format option. When you are prompted for the password, click "Cancel." This will bypass the password requirement and allow you to format the disk.

{button ,PI(`TOOLS.HLP',`How_to_start_Format')} How to Start Format

Protect

The Protect tool enables software protection for a Zip or Jaz disk in a selected drive (it is grayed out as unavailable for all other drives and disks). As a replacement for the conventional write-protect tab on removable disks, this tool provides a wider variety of data protection options for Zip and Jaz users.

Write Protection prevents anyone from accidentally overwriting critical data, and can be quickly applied with two keystrokes. For stronger Write Protection, use a password. If you forget the password, the data can be recovered by simply copying the disk to another disk and reformatting the original disk for reuse.

Read/Write Protection is like putting your disk in a safe, and should be reserved for highly sensitive data. This feature requires a password and carries a strong **CAUTION:** If you forget the password, the data is unrecoverable and the disk must be reformatted to be used again.

Unprotect until Eject gives you temporary access to a protected disk. Protection is automatically restored when the disk is ejected.

Remove Protection eliminates all protection-coding on the disk.

Change Password allows you to update or vary your password at will. You must know the old password in order to change it.

NOTE: Although Jaz and Zip disk protection options are set and removed using the Protect tool, the actual protection mechanism is secured in the drive hardware. Because Iomega disk protection is not software-based, it cannot be bypassed using other software programs.

{button ,PI(`TOOLS.HLP',`How_to_use_Protect')} How to Use Protect

Make Nonremovable

Making a disk nonremovable is sometimes required either by software installations to the disk, or by software running from the disk. This tool allows you to make a removable drive look like a hard drive to the system when necessary.

When you use Make Nonremovable, it changes to Make Removable, which you can use whenever you want to remove the disk.

{button ,PI(`TOOLS.HLP',`How_to_make_a_disk_nonremovable')} How to Make a Disk Nonremovable

Status

Status provides a quick and easy way to view the selected drive's type and current state of function.

{button ,PI(`TOOLS.HLP',`How_to_use_Status')} How to Use Status

Preferences

You can set any of the following preferences to act on your Iomega drives when Windows 95 is started:

Drive Sleep designates the duration of drive inactivity time before the drive automatically spins down the media to conserve energy and disk life.

Unprotect disk temporarily (which applies only to Zip or Jaz disks) allows you to unprotect a given disk at startup. Protection will be automatically restored when the disk is ejected.

Make disk nonremovable lets you configure a disk at startup to look and act like a hard disk (required to install and run some software packages).

Write with Verify activates an additional data protection feature. When this option is set to "Yes," the drive will take extra steps to make certain that everything it writes to any disk used in the drive is written correctly.

NOTE: Some users may elect to select "No" to potentially increase performance of the drive.

{button ,PI(`TOOLS.HLP',`How_to_set_startup_preferences')} How to set startup preferences for your Iomega drives

Iomega Watch

Iomega Watch is a memory resident utility which detects use of a read/write protected Zip or Jaz disk under Windows 95 and allows you to unprotect the disk so you can use it. Whenever you insert a read/write protected Zip or Jaz disk, the Iomega Watch window opens automatically so you can enter the password needed to temporarily unprotect the disk. If you do not enter the correct password, the disk remains protected and you will not be able to read files from the disk or write files to the disk.

The Tools 95 Setup program places Iomega Watch in your Program Startup group so that it loads automatically when Windows 95 starts up. If you prefer not to use Iomega Watch, it can be easily disabled. (Click the "How to" button below for details.)

NOTE: Iomega Watch does not work with parallel port connections, for example a parallel port Zip drive. If you are using a parallel port Zip drive, or if you disable Watch, you must use the Protect tool from the drive shortcut menu to unprotect the disk before you can read files from or write files to any read/write protected disk.

{button ,PI(`TOOLS.HLP',`How_to_disable_Watch')} How to Disable Iomega Watch

Introduction to Property Sheets

Property sheets give you detailed information about the selected drive, the disk in the drive, the adapter to which the drive is connected (where applicable), and the computer. Many of the details are highly technical, but may prove useful.

Changeable settings must be set outside this program, with the exception of the drive and disk preferences that can be set on the Startup page in the property sheets.

{button ,PI(`TOOLS.HLP',`How_to_access_property_sheets')} How to Access Property Sheets

Disk

The Disk page gives you detailed information about the selected disk in a drive.

Important Notes:

1) If Disk Life indicates **Marginal**, the disk is approaching the end of its prime. In this case, move the data to a new disk and use the old one for less active service, such as archiving.

2) If Format Life indicates **Long Format Recommended**, it does not necessarily mean anything is wrong with the disk. Usually, file fragmentation and sector flagging have just exceeded a reasonable level. However, remember to move the data before formatting. (To reformat the disk, use the Format tool and select the Long Format option.)

{button ,PI(`TOOLS.HLP',`How_to_access_the_Disk_page')} How to Access the Disk Page

Drive

The Drive page gives you detailed information about a selected drive. Many of the details are highly technical, but may prove useful.

{button ,PI(`TOOLS.HLP',`How_to_access_the_Drive_page')} How to Access the Drive Page

Startup

Startup preferences can be set to act on the drive when Windows 95 is started. This tool helps you configure each drive and/or disk according to your specific needs.

Drive Sleep designates the duration of drive inactivity time before the drive automatically spins down the media to conserve energy and disk life.

Unprotect disk temporarily (which applies only to Zip or Jaz disks) allows you to unprotect a given disk at startup. Protection will be automatically restored when the disk is ejected.

Make disk nonremovable lets you configure a disk at startup to look and act like a hard disk (required to install and run some software packages).

Write with Verify activates an additional data protection feature. When this option is set to "Yes," the drive will take extra steps to make certain that everything it writes to any disk used in the drive is written correctly.

NOTE: Some users may elect to select "No" to potentially increase performance of the drive.

{button ,PI(`TOOLS.HLP',`How_to_set_startup_preferences')} How to set startup preferences for your Iomega drives

Diagnostics

The Diagnostics tool starts drive-function tests and reports pass or fail. If diagnostics reports failed, you will be asked to insert another disk and retry. If diagnostics reports passed with the second disk, the first disk is suspect. If it reports failed again, contact Iomega.

{button ,PI(`TOOLS.HLP',`How_to_use_the_Diagnostics_tools')} How to Use the Diagnostics Tool

Why the Protect tool?

This software tool increases your disk protection options beyond the old write-protect tab. From simple write protection (with or without a password) to the read/write protect option, this tool allows you to protect your Zip or Jaz disk data according to its sensitivity.

{button ,PI(`TOOLS.HLP',`How_to_use_Protect')} How to Use Protect

What is the difference between Protect and Make Nonremovable?

Protect lets you safeguard sensitive data on your Zip or Jaz disk, while Make Nonremovable is generally used to make a removable disk appear like a hard disk to your computer system. Nonremovability is required to load and/or run some software.

What is the difference between a short and long format?

A short format erases just the header information on a disk, allowing the rest of the data on the disk to be overwritten with new data as you work. A long format erases the entire disk and verifies the integrity of the disk surface.

{button ,PI(`TOOLS.HLP',`How_to_start_Format')} How to Use Format

What happens if I forget my password?

If the Zip or Jaz disk is write-protected with a forgotten password, use Copy Machine to copy the data on that disk to another disk, and reformat the original disk for reuse. If the Zip or Jaz disk is read/write-protected, the data cannot be recovered and the disk must be reformatted to be used again.

What is Diagnostics?

Diagnostics is a drive-specific command that runs drive-function tests and reports pass or fail.

{button ,PI(`TOOLS.HLP',`How_to_use_the_Diagnostics_tools')} How to Use Diagnostics

What if Diagnostics fails?

First, try another disk. If Diagnostics passes with the second disk, replace the disk you used on the first test. If Diagnostics fails again, contact Iomega.

Why so much detail in Property Sheets?

Many situations can arise that require knowing certain details about your computer hardware. It's a good idea to write this information down somewhere for future reference in case you need it when your system is unavailable.

{button ,PI(`TOOLS.HLP',`How_to_access_property_sheets')} How to Access Property Sheets

Slow Performance after installing Tools 95

If your system seems slow after installing Tools 95, it is probably due to the way some plug and play devices handle system refreshes. To solve this problem, simply restart your system.

Multiple Drive Letters for Iomega Drives

If you see more than one drive letter for a removable drive in *My Computer* or *Windows Explorer*, try the following problem solving suggestions immediately. Using your drives when multiple drive letters are present may result in data loss.

- Make sure that each device in the SCSI chain has a unique SCSI ID number (no duplicates). If you need to change a SCSI ID setting, shut down Windows 95, turn off power to the computer and all devices in the chain, change the conflicting SCSI ID, and power up again.

- Remove all real mode SCSI drivers (such as Adaptec's ASPIDISK.SYS or Corel SCSI's UNI_ASPI.SYS) from your CONFIG.SYS file and restart the computer. After the system restarts, open the Windows 95 Device Manager and make sure the list of SCSI controllers includes all non-bootable SCSI adapters. (A bootable SCSI adapter will not be listed if it is being controlled by the adapter BIOS rather than a SCSI driver.) If a non-bootable adapter does not have a SCSI controller listed in the Device Manager, use "Add New Hardware" in the Windows 95 Control Panel to correctly install driver support for the adapter. Use the Help included with Windows 95 if you need additional instructions.

Tools 95 Software Does Not Work

Tools 95 software only works with Windows 95 32-bit miniport drivers (Protected mode); it does not work with adapters that are using MS-DOS device drivers (Real mode). If you are having problems make sure all adapters used by your Iomega drives are correctly installed under Windows 95. You can install Windows 95 support for Iomega drives by running the Guest95 program included with your Iomega Tools package. If you have Iomega drives connected to a non-Iomega SCSI adapter, contact the adapter manufacturer or Microsoft for information on installing 32-bit driver support for the adapter under Windows 95.

Unable to Save Files to the "Tools" Disk

A Zip or Jaz "Tools" disk is a special dual-format disk that includes Tools software for both IBM-compatible PC's and Macintosh systems. Before you can save files to the Tools disk, it must be used to install Tools software. This sets the disk format to a single type (IBM-compatible or Macintosh) and unlocks the disk.

If the Tools 95 Setup program does not complete normally or encounters some conflict on the system, it may not be able to unlock the Tools disk. In this case, you need to manually run the Reclaim utility. Here's how:

1. Insert the Tools disk into its matching drive (Zip or Jaz).

2. Open *My Computer* and double click on the icon for the drive containing the Tools disk.

3. Double click on the Reclaim icon.

How to access Tools 95 ...

You can access any of the Tools 95 utilities or applications from the drive shortcut menus for your Iomega drives. Here's how:

1. RIGHT mouse click on any Iomega drive icon in either *My Computer* or *Windows Explorer*.

2. Choose the tool you want to use from the drive shortcut menu.

How to use Format ...

1. Insert the disk you want to format.
2. RIGHT mouse click on the appropriate drive icon in *My Computer*.
3. Select Format from the drive shortcut menu.

How to use Protect ...

1. Insert the disk you want to protect.
2. RIGHT mouse click on the appropriate drive icon in *My Computer*.
3. Select Protect from the drive shortcut menu.
4. Choose the protection option you want to use.

How to make a disk nonremovable ...

1. Insert the disk you want to make nonremovable.
2. RIGHT mouse click on the appropriate drive icon in *My Computer*.
3. Choose Make nonremovable from the drive shortcut menu.

How to use Status ...

1. RIGHT mouse click on the appropriate drive icon in *My Computer* or *Windows Explorer*.
2. Choose Status from the drive shortcut menu.

How to access property sheets ...

1. RIGHT mouse click on the appropriate Iomega drive icon in *My Computer* or *Windows Explorer*.
2. Select Properties from the drive shortcut menu.

How to set startup preferences ...

1. RIGHT mouse click on the appropriate Iomega drive icon in *My Computer* or *Windows Explorer*.
2. Choose Properties from the drive shortcut menu.
3. Click on the Startup tab.
4. Set the startup preferences as desired and click OK.

How to access the Disk page ...

1. RIGHT mouse click on the appropriate Iomega drive icon in *My Computer* or *Windows Explorer*.
2. Choose Properties from the drive shortcut menu.
3. Click on the Disk tab.

How to access the Drive page ...

1. RIGHT mouse click on the appropriate Iomega drive icon in *My Computer* or *Windows Explorer*.
2. Choose Properties from the drive shortcut menu.
3. Click on the Drive tab.

How to use Diagnostics ...

1. RIGHT mouse click on the appropriate Iomega drive icon in *My Computer* or *Windows Explorer*.
2. Choose Properties from the drive shortcut menu.
3. Click on the Diagnostics tab.
4. Click on OK to start the drive function tests.

This button is only an illustration!

How to disable Iomega Watch ...

1. Click the Start button and point to Programs, then Iomega Tools.
2. Click on Iomega Watch.
3. Select No to tell Watch not to check for read/write protected disks.

Real Mode

Real mode, also called MSDOS compatibility mode, is an operating mode used by Windows 95 with hardware that is supported by MS-DOS device drivers. Real mode is slower than Protected mode, which is the preferred operating mode under Windows 95.

CONFIG.SYS ...

CONFIG.SYS is a file used on DOS-based systems to specify which devices to install and which installable device drivers to use. The CONFIG.SYS file also contains commands that determine how DOS uses memory and controls files.

When a DOS-based system is upgraded to Windows 95, the MS-DOS device drivers should be removed from CONFIG.SYS so that they do not conflict with the 32-bit mini-port drivers used by Windows 95.

Miniport Driver (MPD)

A 32-bit driver designed to support a specific hardware device (such as a SCSI host adapter) under Windows 95.

Protected mode

Protected mode is the fastest mode of operation available under Windows 95; it is also the preferred mode of operation. Protected mode uses 32-bit miniport drivers designed specifically for Windows 95 to support devices, including hard drive controllers, video controllers, SCSI controllers, etc.