

Hi-Speed USB Portable Flash Disk

End-User's Manual Guide

Version 1.1 (06/11/2003)

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Introduction

Congratulations on your purchase of this Hi-Speed USB Portable Flash Disk! This Hi-Speed USB Flash Disk is your friendly, secure, and lightweight removable mass storage device disk. It plugs thru the USB port so your computer will quickly detect and configure the disk without needing to restart the computer. You read, write, copy and delete files just the same way as you use a disk drive. And since it is a large capacity disk, you can also store MP3 files, run program applications or play videos directly from the disk.

This Hi-Speed USB Flash Disk is so light and compact that you can carry it with you anywhere. It comes in various large storage capacities starting at 32MByte up to 512MByte. It is so easy to install that you can actually use it to replace your floppy diskettes, ZIP drives, MO drives, and even CD-RW discs. And because it uses durable solid-state storage flash memory, it has no moving parts inside making it shock resistant and longer to use.

This Hi-Speed USB Flash Disk also provides great flexibility and data security with disk partitioning and password security features. The USB Flash Disk Utility allows you to easily create and configure one or two-partition drives – an open partition drive with no password and a secured partition drive with password access option. The secured partition drive allows you to place your important files in it and protect it from being accessed by setting a password to hide the drive. Any access to this secured partition drive then would require first to run the security utility and enter the correct password to unlock the drive.

Features & Specifications

- Smart and secure removable data storage for business and personal use
- Full Compliance with the Universal Serial Bus Specification v2.0 and v1.1
- Different Capacities from 32MB, 64MB, 128MB, 256MB, and 512MB
- Data Write-Protect Switch
- Mass Storage Device class compatible so no driver needed in Windows ME, 2000, XP, Mac 9.1 or above.
- Plug&Play, Hot Swappable supported.
- USB Flash Disk Utility Program for security and partitioning functions
- Bus Powered – no separate power supply or battery required
- Solid-State NAND Flash Memories
- Shock resistant, noise-free and longer data retention
- Advanced power management mechanism
- Dimensions H63x W17x D7.2 (mm)
- Weight: 5g (approximate)

System Requirements

- Hardware: Windows 98, 98SE, ME, 2000, XP, Mac OS 9.1 or above
Security Program: Windows 98SE, ME, 2000, XP
- AMD or Intel Pentium 133MHz or better based computer
- USB 1.1, USB 2.0 or higher port

Using the Hi-Speed USB Flash Disk

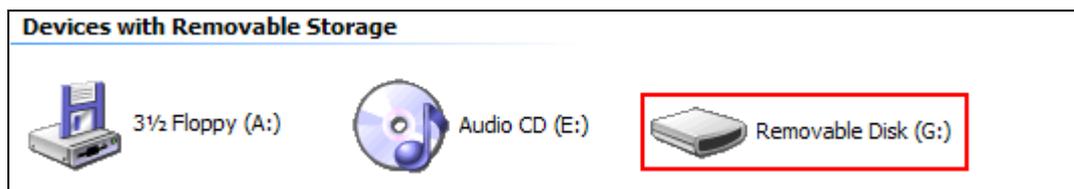
To use the Hi-Speed USB Flash Disk, you simply plug it into your computer's USB port. Windows ME, 2000, XP and above versions all support the Microsoft USB Mass Storage driver needed to detect and run the device. However, if you have Windows 98, you will need to run the Win98 driver SETUP program included together with your Hi-Speed USB Flash Disk. Refer to the next section of this user's manual guide.

If you want to make use of the security and partitioning features of the Hi-Speed USB Flash Disk, you also need to install the USB Flash Disk Utility Setup program into your computer. Refer to the section of this manual for installing the USB Flash Disk Utility program.

If you want to know more about USB, you can go to <http://www.usb.org/faq/>.

Plugging the USB Flash Disk

Once you plug in your Hi-Speed USB Flash Disk, Windows will assign a drive letter to the device and will usually designate it as a Removable Disk. You work with the drive just like another disk drive or floppy diskette. Click My Computer to see all the available drives in your computer.

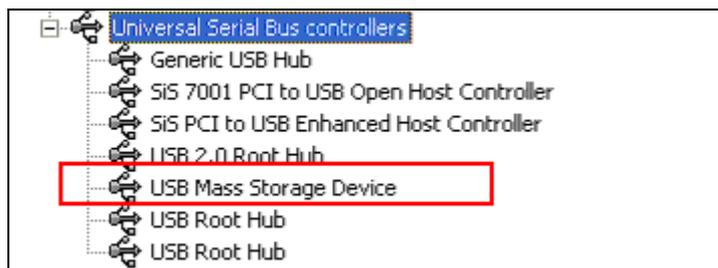


Note: If Windows prompt you for the Generic USB Hub driver when you plug in the device for the first time, you simply direct the USB host driver location to C:\Windows\System32\Drivers.

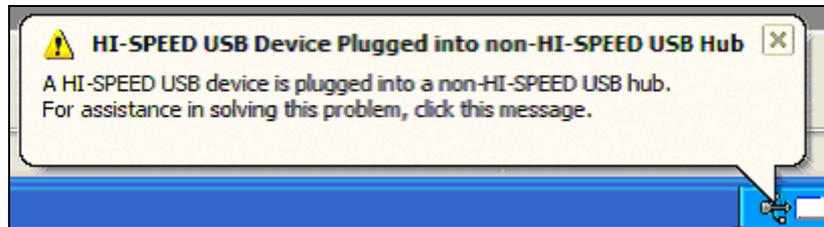
On the Windows taskbar, the Safely Remove Hardware icon will also appear where you can click it to safely unplug the device even if the computer is turned on.



To make sure if the device is properly installed, click Start-Control Panel-System-Device Manager and go to the Universal Serial Bus Controllers. Check if there is USB Mass Storage Device and Generic USB Hub installed.



This Hi-Speed USB Flash Disk is a Hi-Speed USB 2.0 compliant device and is recommended that you plug it into a Hi-Speed USB 2.0 port. Whenever you plug the disk into a non-Hi-Speed USB port, Windows will show an alert message at the taskbar telling you that it is plugged into a non-Hi-Speed USB hub. You can still continue to use the disk but it will run at a reduced speed.

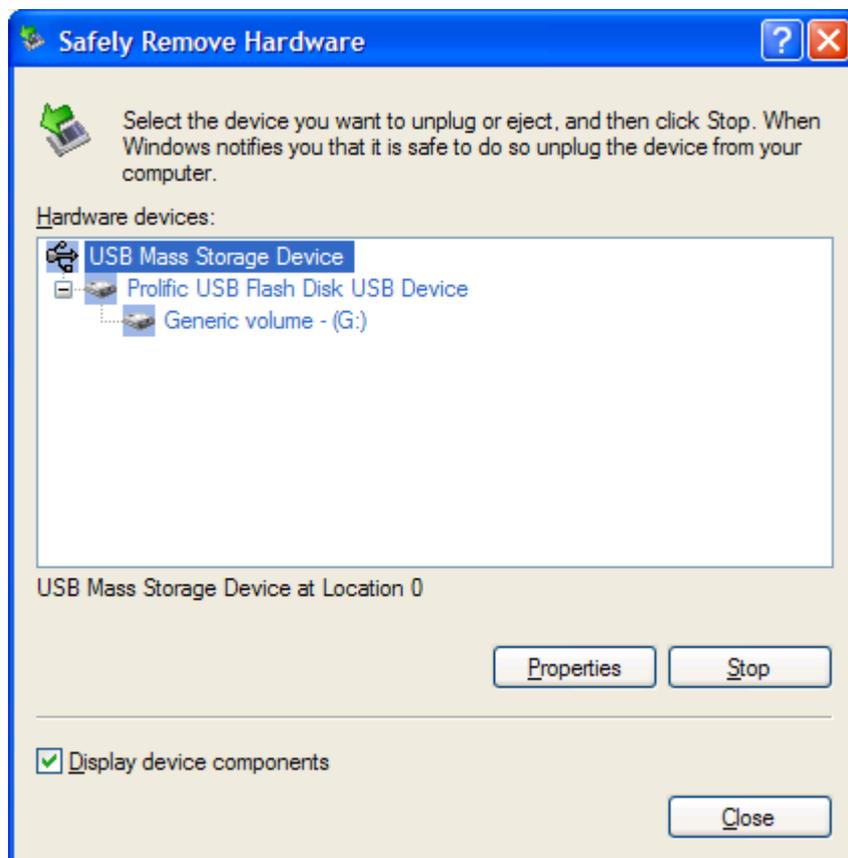


Unplugging the USB Flash Disk

To properly unplug the USB Flash Disk, you must double-click on the Safely Remove Hardware icon found on the right side of the taskbar to stop the device.



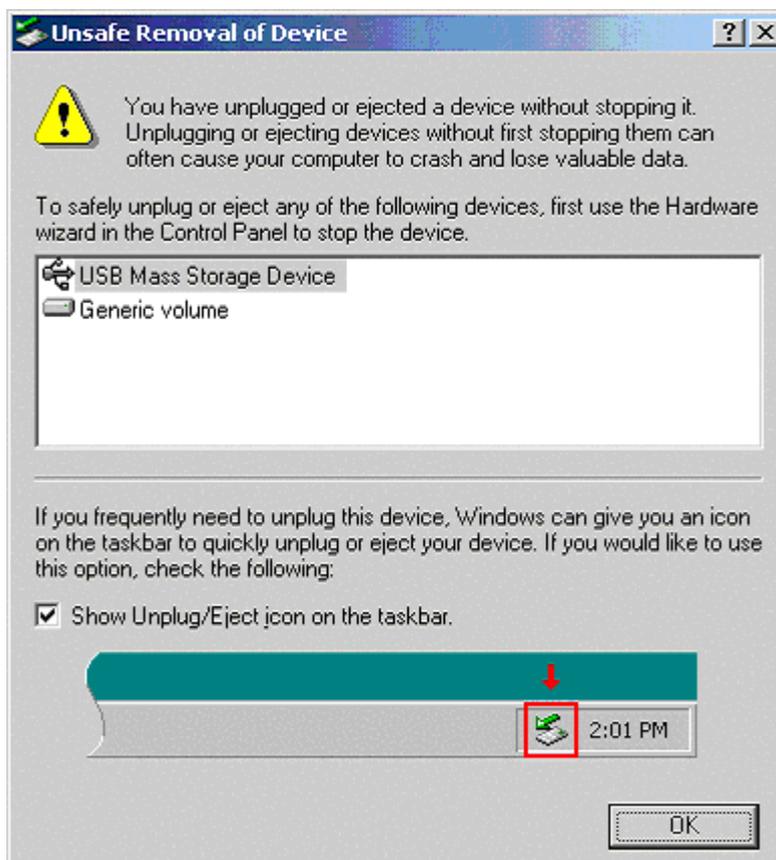
Click on the USB Mass Storage Devices and click the Stop button to safely remove the device. You can also click first on the Display device components to show the detailed information of the USB Mass Storage Device.



Once you have safely removed the device, Windows will then show that the USB Mass Storage Device can now be safely removed. You can then unplug the disk from the USB port.



In Windows 2000 or ME, whenever you unplug the disk without safely removing it, Windows will show you a warning message that you unplug a device without stopping it and may cause your computer to crash or lose valuable data. Do not also unplug the USB Flash disk when the read/write LED of the disk is still on.



Note: Do not unplug or remove the device if the read/write LED of the Hi-Speed USB Flash Disk is on or blinking. Wait for the LED to turn off before you safely remove the device.

Write Protect Switch

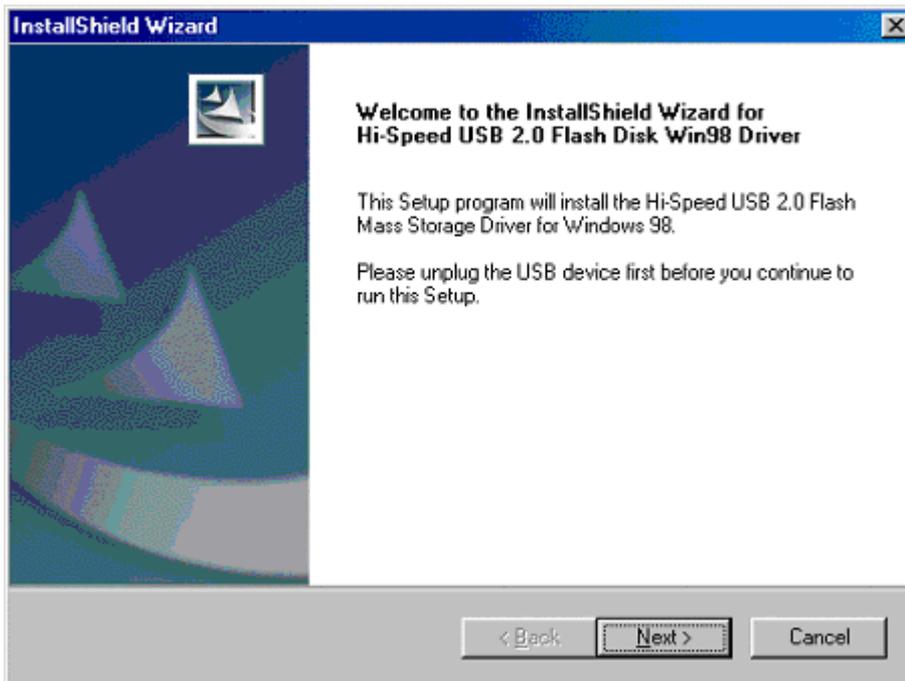
The USB Flash Disk also comes with a user write-protect switch. This switch works very much like the floppy disk write protect switch. Turn this switch if you want to prevent the USB Flash Disk from being written.

Note: You must first safely remove the disk before you turn on or turn off the write-protect switch. It is not recommended to enable or disable the write protect switch while the disk is still plugged into the port.

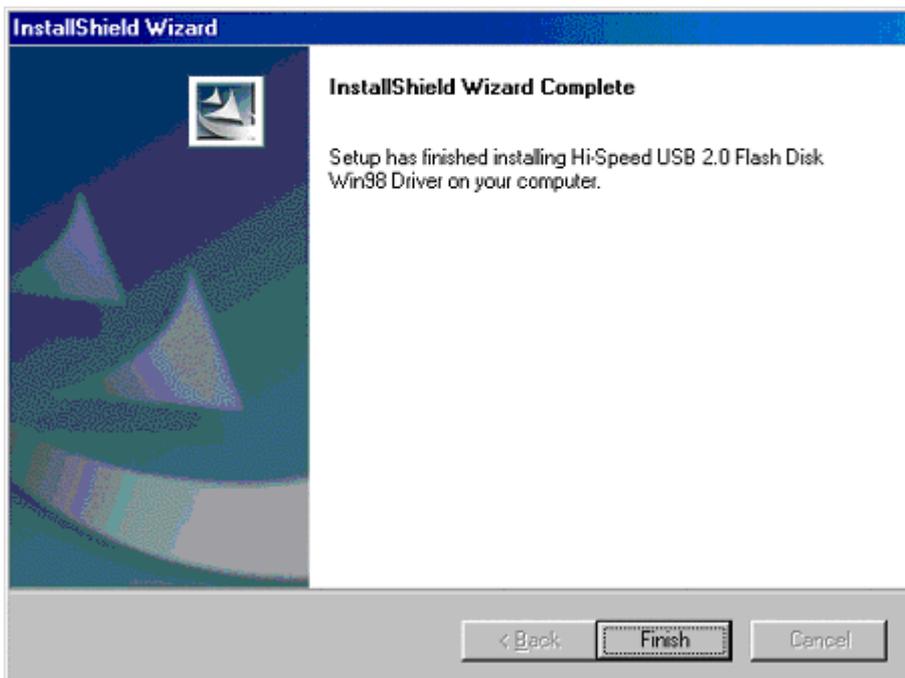
Windows 98 Driver Setup Installation

Installing the USB Flash Disk under Windows 98 requires the USB Mass Storage Device driver. If your computer is using Windows ME or above, then you don't need to install additional device drivers in order to use the USB Flash Disk.

1. Power on your computer and boot to Windows. Load the Hi-Speed USB Flash Disk Utility Driver CD or diskette and run the **SETUP.EXE**. The InstallShield Wizard Welcome dialog box will then appear to display some information regarding the Setup program. Click Next to continue.



2. Wait until Setup has finished installing the USB Flash Driver. When it prompts you that installation is complete, click **Finish** to end.



- Now locate the USB port and plug in the USB Flash Disk. If you plug the USB Flash Disk in the Hi-Speed USB 2.0 port, Windows will first detect the Generic USB Hub on USB 2.0 Bus. Click Next to continue.



- Click let Windows search for the new driver. If Windows cannot find the driver, you can specify the driver location at C:\Windows\System32\Drivers. After Windows detect the USB Host driver, it will inform you that it has finished installing the software for the new hardware device.



- Windows will then automatically detect the Hi-Speed USB Mass Storage Device and will automatically install the drivers for you. To check if the device has been installed properly, click Start-Control Panel-System-Device Manager and check for the Hi-Speed USB 2.0 Mass Storage Device.

Security Program

This section provides you information on how to run the Hi-Speed USB Flash Disk Utility program. The Utility program allows you to set the password and device name as well as disk format, partition, and boot setup features. Please be advised, this Program works on Windows 98SE, ME, 2000, and XP, not including Windows 98.

Installing the USB Flash Disk Utility Program

Follow the steps below to install the USB Flash Disk Utility program:

From CD:

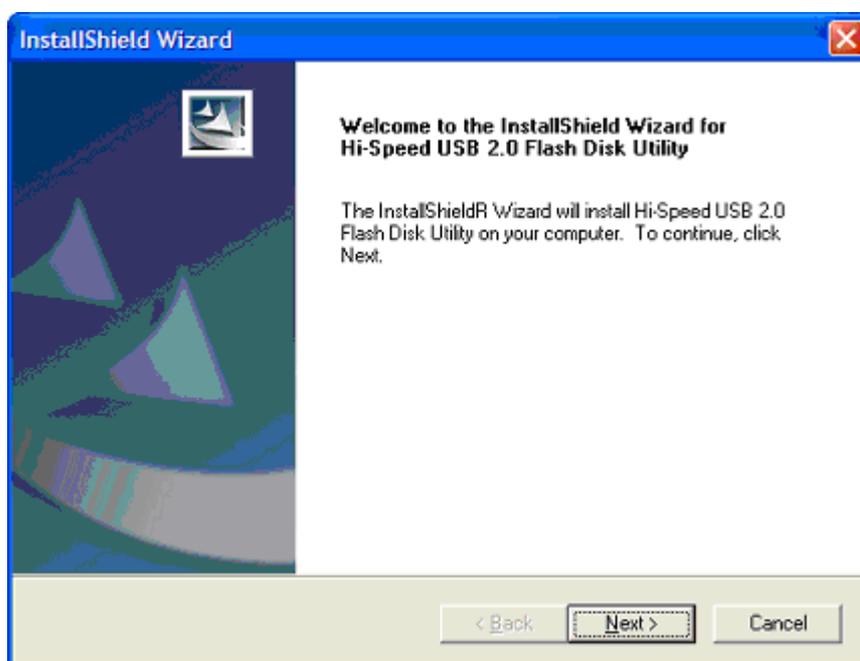
1. Please find the SETUP.EXE from your Driver CD (D:\AP\SETUP.EXE, Assume your CD-ROM drive is D:), and execute it.
2. SETUP.EXE will automatically unzip and copy all needed files into your system.

From Website:

1. After successfully downloading the AP from our website, please execute it.
2. SETUP.EXE will automatically unzip and copy all needed files into your system.

Start Installation

1. Run the AP Setup program included together with your Hi-Speed USB Flash Disk utility CD.
2. The InstallShield Wizard will then start and will prompt you if you want to start installing the Hi-Speed USB 2.0 Flash Disk Utility. Click Next to continue.



3. InstallShield Wizard will then start to install and copy the needed files and programs into your computer. Click the Finish button when InstallShield Wizard prompts you that installation is complete.
4. When installation is complete, check if there is a program shortcut created on your desktop screen for the USB Flash Disk Utility program.

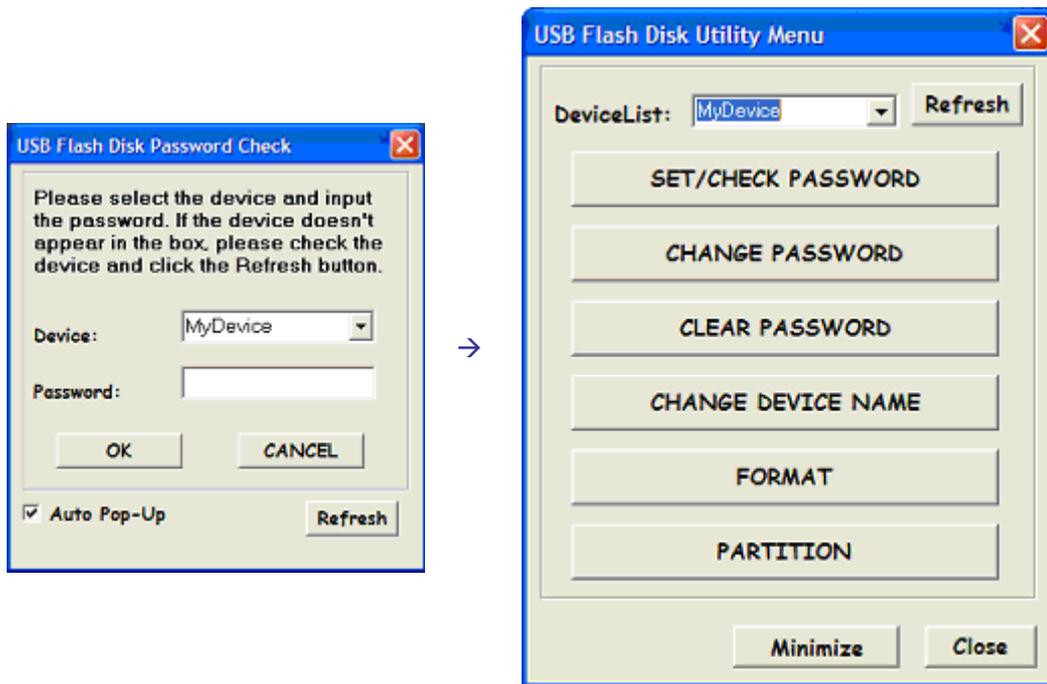
- 5 Check also your Program folder by clicking Start→Programs and see if there is a Hi-Speed USB Flash Disk Utility program folder created. See next section on how to use the utility program.

Note: If you have set a password on your Hi-Speed USB Flash Disk and you plug in the device, the USB Flash Utility program will automatically pop out for you to enter the password. Otherwise, you can also double-click on the utility program found on your desktop screen or on your program folder.

Running the USB Flash Disk Utility Program

Follow the steps below to run the program:

1. Everytime you plug in the Hi-Speed USB Flash Disk and there is a password set in it, the USB Flash Disk Utility program should pop-out. If not, go to your desktop screen or to the Hi-Speed USB Flash Disk Utility program files folder and click run the **USB Flash Disk Utility** program.
2. The USB Flash Disk Password Check window will appear. Enter the correct password for the detected device and click **OK**. If password is correct, the USB Flash Disk Utility Menu will then appear. If there is no password set by default or you have cleared the password previously, just click the OK button.



3. If you are finished using the utility program, you may click the Minimize button or Close button. The Minimize button will minimize the program window into the right side of the taskbar. The Close button will simply close the program window. If you want to run this utility again, you need to repeat Step 1.



Note: You can disable the Auto Pop-Up on the Check Password window if you do not want the utility program to pop out.

Set/Check Password



This function allows you to set or verify the password of the Hi-Speed USB Flash Disk. If there is no password set, it will prompt you to enter a new password. Otherwise, it will prompt you to enter the current password and will verify if correct or not. Follow these steps when setting a new password:

1. On the Set Password dialog box, enter a new password and click OK.

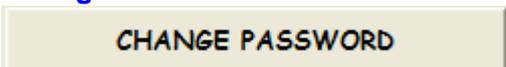


2. A warning message will prompt you if you are sure or not. Click **OK** to continue. After setting the password, you will then be prompted to save the password to a file. Click **Save** to continue. You can use Windows Notepad to view the file. If you do not want to save, just click **Don't Save** to end.

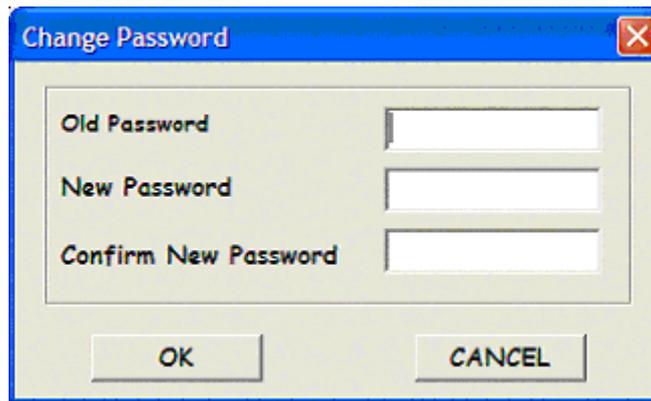
Note: If you set a one partition secured disk, you will not be able to set a password. Setting a password requires at least a 1MB standard partition disk. Please refer to the Partition section of this manual.



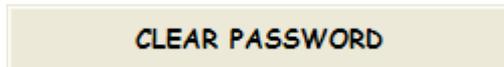
Change Password



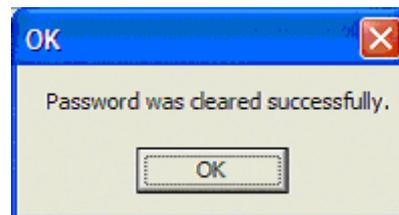
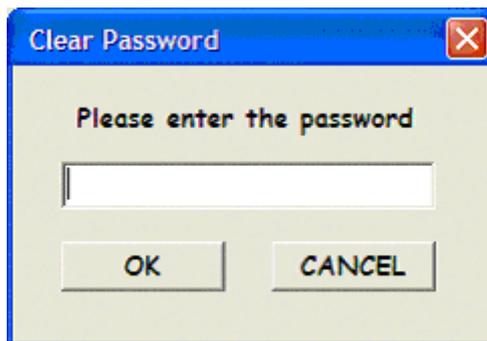
This function allows you to change the password of your Hi-Speed USB Flash Disk. First it will prompt you to enter the old or existing password. Then you enter the new password. You need to confirm the new password by retyping it again. It is important that you enter the correct existing password and also to remember your new password. After you have set the password, you will be prompted likewise if you want to save the new password to a backup file. Refer to the Set Password function above.



Clear Password



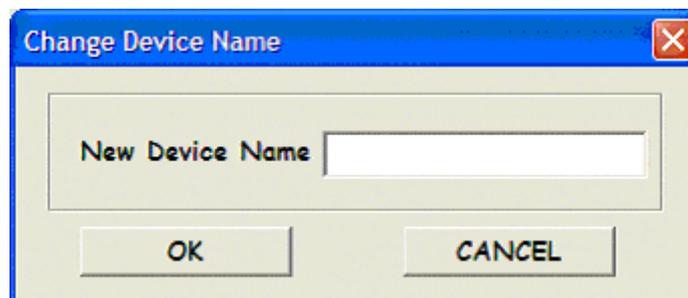
This function allows you to clear the password of your Hi-Speed USB Flash Disk. Just enter the old or existing password in the Clear Password dialog box. After you click OK, a dialog box will appear telling you that the password was cleared successfully.



Change Device Name



This function allows you to change the device name of the Hi-Speed USB Flash Disk. The device name of the USB disk is displayed on the Device List of the utility window. This is useful if you have more than one Hi-Speed USB Flash Disk inserted and want to be able to identify them all.



Format

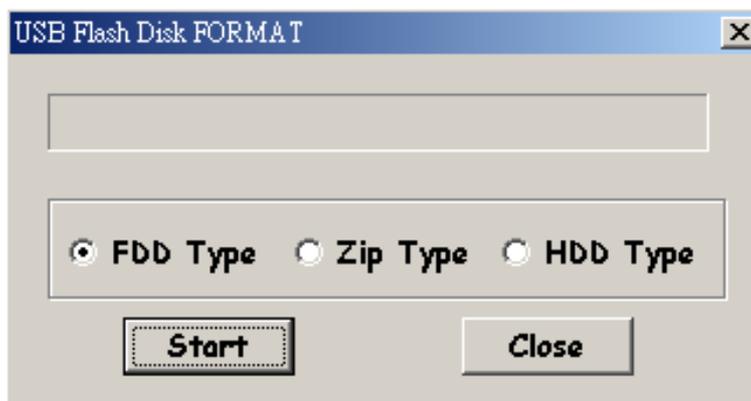


This allows you to format and label the partition Flash drives. Follow these steps:

1. Click on **Format** and enter the correct password if prompted.
2. Now depending if the current partition is one or two, the Format dialog box window will show differently.
3. If you have two partitions, you will see the dialog box below. Click on which partition you want to format. If you want to format both partitions, just click on Security and Standard Disks. Then click **Start**.



4. If you have one partition, you will see the dialog box below. Choose disk type you want to format, then click **Start**.



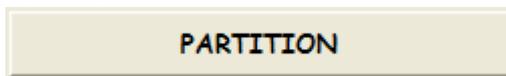
5. Before starting to format, a warning message will appear to verify if you want to continue. Click **OK** to continue formatting. When finished, a window message will appear telling you that format is successful. However, it is required that you unplug and re-plug the USB Flash disk afterwards to allow Windows to refresh. Use the Unplug/Eject icon on the taskbar to stop the USB device first.



Note: It is required that you unplug and re-plug the formatted disk for the changes to take effect. Otherwise, Windows will still show the old data in the disk.

Note: Although you can also use Windows to format the disk, it is recommended that you use the Format function here for better write performance.

Partition



This function allows you to define the partitions you want and how big the size of each partition will be. Follow these steps:

Note: This function may not work on older versions of the USB Flash Disk. A warning message will appear saying that this function is not supported.

1. Click Partition from the Utility menu. You will see the USB Flash Disk Partition dialog box. Enter your desired size (in MB) for the Security Storage partition. This partition can be protected by password and is hidden until you activate the USB Flash Disk Utility program and enter the correct password. You will notice that the Standard Storage partition will show the remaining size that it will be allocated.

You can also select whether you want your USB Flash Disk to be formatted as USB FDD, ZIP or HDD. On some special BIOS, you may use it to boot-up your system. You will need to check your PC BIOS on what USB boot device type it can support or call PC motherboard support center.



Note: If you need to set a password security on your USB Flash Disk, you must create a two-partition disk with at least 1MB of Standard Storage size.

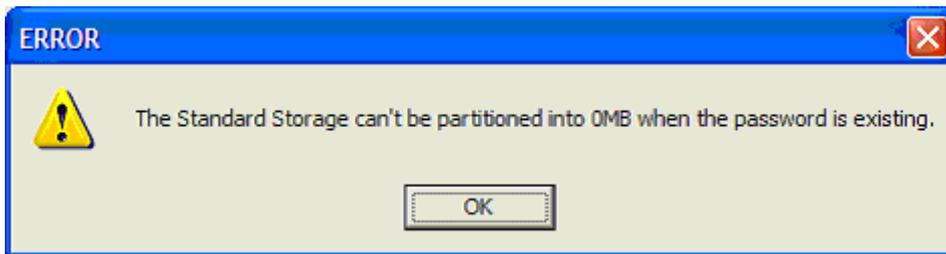
If you want to set the entire disk as a one-partition security storage drive, you just enter the total size and the standard storage drive will show 0MB. If you want to set the entire disk as a one-partition standard storage drive, you just enter 0 and the standard storage size will show the full total size.



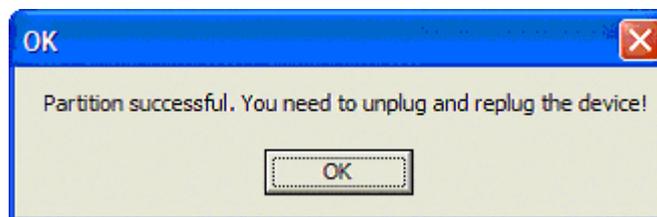
One-Partition Standard Storage Disk

One-Partition Security Storage Disk

Note: If you already set a password before running partition and you set a one partition security disk, an error message will appear telling you that the Standard Storage size cannot be set at 0MB when a password exists. You must first clear the password if you want to do so.



2. Once you have decided how to partition your USB Flash disk, click Start to begin. A warning message will appear informing you that all data inside the disk will be erased. Click OK to continue. This process will also format the disk so you don't need to format the disk again. When finished, you must unplug and plug the device for the new partition to take effect.



Refresh



Use this function to refresh or redetect the USB Flash Disk devices inserted in your computer. This function is useful if you have several USB Flash disk inserted.

Minimize



Use this function to minimize the USB Flash Disk utility program into the right side of the taskbar below the Windows display. You can click on this icon if you want to run the utility program again.



Uninstalling the Hi-Speed USB Flash Disk Win98 Driver

To uninstall the Hi-Speed USB Flash Disk device driver in Windows 98:

1. Go to Control Panel and double-click on Add or Remove Programs.
2. Look for the Hi-Speed USB 2.0 Flash Disk and click Change/Remove button.
3. The Setup program will prompt you whether you want to uninstall or not. Make sure that you have unplugged the disk and click OK to continue.
4. After Setup has completely uninstalled the driver, it will prompt you that maintenance is complete. Click Finish to close.

Uninstalling the Hi-Speed USB Flash Disk Utility

To uninstall the Hi-Speed USB Flash Disk Utility program:

1. Go to Control Panel and double-click on Add or Remove Programs.
2. Look for the Hi-Speed USB 2.0 Flash Disk Utility and click Change/Remove button.
3. Setup will prompt you whether you want to uninstall. Click OK to continue.
4. After Setup has completely uninstalled the utility program, it will prompt you that maintenance is complete. Click Finish to close.

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