USB 2.0 Flash Drive User Manual
Table of Contents

INDEX

1. IMPORTANT NOTICES ................................................................. 3
2. PRODUCT INTRODUCTION ......................................................... 4
3. PRODUCT FEATURES............................................................... 5
4. DRIVER INSTALLATION GUIDE ............................................... 6
   4.1 WINDOWS 98 / 98 SE ......................................................... 6
   4.2 WINDOWS 2000 / ME / XP ................................................. 8
   4.3 MAC OS 8.6 OR ABOVE .................................................... 9
   4.4 LINUX KERNEL 2.4.0 OR ABOVE ..................................... 10
1. Important Notices

   1. To maximize the performance of USB 2.0 Flash Drive, make sure that the motherboard and the operating system support USB specification revision 2.0.

   Reminder: USB 2.0 Flash Drive will function in USB 1.1 mode if the computer is configured with USB 1.1 hardware or operating system.

   2. In Windows 98 SE, please install the device driver first.

   In Linux Kernel 2.4.0 or above, please execute “fdisk” & “format” commands, then “mount” USB 2.0 Flash Drive.

   In Mac OS 8.6, please download and install the USB Mass Storage Device driver/patch from www.apple.com first.

   For all the detailed usage, please follow the instructions on the user manual.

   3. To remove USB 2.0 Flash Drive safely by clicking the icon “Stop Mass Storage Device” as shown below before unplugging it from the USB port in Windows ME / XP / 2000.

   Incompletion of this command might cause Data Loss.

   ![Stop Mass Storage Device Icon]

   4. - "N bytes" where N is the actual number of bytes.

   - Your operating system may report as “N” MB where “N” = the actual number of bytes divided by 1,048,576.

   - The memory size of USB Flash Drive appears smaller when read by the operating system than the capacity stated on the package is because some space of the Flash Drive is reserved for FAT, directory.
2. Product Introduction

USB 2.0 Flash Drive, with various capacities, complies the latest Hi-Speed USB 2.0 standards with ultimate increase on its read/write speed.

It is backward compatible with existing USB 1.1 ports. With its flexibility, data/files transfer on different platforms can be done with ease by simply plugging USB 2.0 Flash Drive into the USB port of computers.
3. Product Features

- USB Interface
  - Compatible with USB specification revision 2.0
  - Backward compatible with USB specification revision 1.1
  - A true “plug & play” connection supports hot swapping function
  - Get powered directly from USB port; no external power or batteries required.

- Expedite Data Transferability
  - Great enhancement of read/write performance

- System Support
  - No driver required for Windows 2000 / ME / XP, Mac. OS 8.6, Linux Kernel 2.4.0 or above
  - Support Windows 98 / 98 SE with device driver

- LED Indicator
  - LED indicates data transfer in progress
4. Driver Installation Guide

Reminder:
For Windows 98 / 98 SE users, please “Re-start” your computer after installing the driver.

4.1 Windows 98 / 98 SE

- Insert the Installation Tool CD into CD-ROM.
- Press “Windows 98 Driver”
- Follow the instruction of the “pop-up window” to install the driver
Plug USB 2.0 Flash Drive after computer restarts.

USB 2.0 Flash Drive will be recognized by the operating system automatically if the driver is installed successfully.

A “Removable Disk” will appear in “My Computer”.
4.2 Windows 2000 / ME / XP

**NO Driver** is required for these operating systems.

Simply plug USB 2.0 Flash Drive into the USB port, and it will be recognized by the operating system automatically.

Then, one “Removable Disk” will appear in “My Computer”.
4.3 Mac OS 8.6 or above

Reminder:
For Mac OS 8.6 users, please download the patch file from the following URL FIRST.
http://download.info.apple.com/Apple_Support_Area/Apple_Software_Updates/English-North_American/Macintosh/USB_Updates/USB_Storage1.3.5.smi.bin

NO Driver is required for Mac OS 9.0 or above.

Simply plug USB 2.0 Flash Drive into the USB port, and it will be recognized by the operating system automatically.

Then, one “Removable Disk” will appear on the desktop.
4.4 Linux Kernel 2.4.0 or above

Reminder:
Under Linux Kernel 2.4.0, plug USB 2.0 Flash Drive into your PC and follow the following instructions before accessing data/files on the Flash Drive.

- Open a terminal,
- Login as a root user with the following command
  # su root
  # key in the password of your own

- Find your Flash Drive with the following command
  # cat /proc/scsi/scsi
- Do "fdisk" on the Flash Drive with the following command
  
  # /sbin/fdisk /dev/sda  

- Enter "p" to have the detailed partition table listed down

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot Start</th>
<th>End</th>
<th>Blocks</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>/dev/sda</td>
<td>3137643</td>
<td>370734813</td>
<td>72</td>
<td>Unknown</td>
</tr>
<tr>
<td>Partition 1</td>
<td>different physical/logical beginnings (non-Linux): phys(337, 116, 40) logical(3137664, 3, 11)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 1</td>
<td>different physical/logical endings: phys(337, 32, 43) logical(7740096, 0, 51)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 1</td>
<td>does not end on cylinder boundary.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/dev/sdb2</td>
<td>688200</td>
<td>8486766</td>
<td>958014120</td>
<td>Novell Netware 386</td>
</tr>
<tr>
<td>Partition 2</td>
<td>different physical/logical beginnings (non-Linux): phys(288, 113, 43) logical(660195, 2, 47)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 2</td>
<td>different physical/logical endings: phys(357, 114, 50) logical(8469765, 0, 42)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 2</td>
<td>does not end on cylinder boundary.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/dev/sdc3</td>
<td>75398615</td>
<td>15346116</td>
<td>968014008</td>
<td>Unknown</td>
</tr>
<tr>
<td>Partition 3</td>
<td>different physical/logical beginnings (non-Linux): phys(398, 32, 43) logical(7323944, 2, 30)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 3</td>
<td>different physical/logical endings: phys(357, 32, 43) logical(15345469, 3, 39)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 3</td>
<td>does not end on cylinder boundary.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>/dev/sdd4</td>
<td>1</td>
<td>14886238</td>
<td>1818033248</td>
<td>Unknown</td>
</tr>
<tr>
<td>Partition 4</td>
<td>different physical/logical beginnings (non-Linux): phys(372, 97, 50) logical(14886238, 3, 30)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 4</td>
<td>different physical/logical endings: phys(0, 10, 0) logical(14886238, 3, 30)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition 4</td>
<td>does not end on cylinder boundary.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.
Enter “d” to delete the partition tables one by one

Enter “o” to create a new empty DOS partition table
Enter “n” to add a new partition
Enter “p” to create primary partition
Enter “1” for the partition number
Press “Enter” two times for all capacities
Enter “w” to write table to disk and exit
- Have the Flash Drive formatted by FAT file system with the command
  
  `# /sbin/mkfs.vfat /dev/sda1`

- Mount the Flash Drive with the command
  
  `# mount -t vfat /dev/sda1 <expected mount point>`
- Un-mount the Flash Drive with the command
  \# unmount<expected mount point>
- If fail, change to the other path with the command
  \# cd..
- Then, try to un-mount with the following command again
  \# unmount / temp/<expected mount point>