

MemoryDrive

- MD-S -



USER'S MANUAL

1. Introduction

MemoryDrive is a small and simple plug-n-play mobile flash memory device for Windows ,Mac OS and Linux which utilizes a standard USB port.

MemoryDrive operates as a removable hard drive on your computer.

MemoryDrive does not require software drivers* (for Windows 98, driver installation is required).

MemoryDrive allows for the data to be easily transferred across different OS platforms (i.e. PC to Mac and vice versa) just by plugging in the MemoryDrive into the USB port on your computer.

MemoryDrive is available with various memory capacities ranging from 16MB to 384MB.

MemoryDrive is a portable hard drive that uses state of the art technology containing a non-volatile flash memory semi-conductor chip.

2. Features

- ✓ No driver or installation software required (except for Windows 98/SE)*
- ✓ Hot "Plug and Play" via USB port on PC and Mac
- ✓ Cross platforms between PC and Mac and vice versa
- ✓ Supports USB 1.1
- ✓ Supports OS : Windows98/SE, Windows ME. Windows 2000, Windows XP, Mac 8.6 or higher and Linux 2.4.x
- ✓ Capacities: 16 MB/ 32 MB/ 64 MB/ 128 MB/ 256 MB/ 384 MB
- ✓ Compact, Light Weight and Durable
- ✓ 2 color illumination to indicate data transferring status
 - Green : Device connected, Red : Data transferring
- ✓ 10-years of data retention
- ✓ Accessories : Extension cable (1 meter), neck strap, Windows 98 installation CD, user's manual

* Installation program included when using Windows 98/SE. This program is supplied with the MemoryDrive or can be downloaded from our website (www.memorydrive.com).

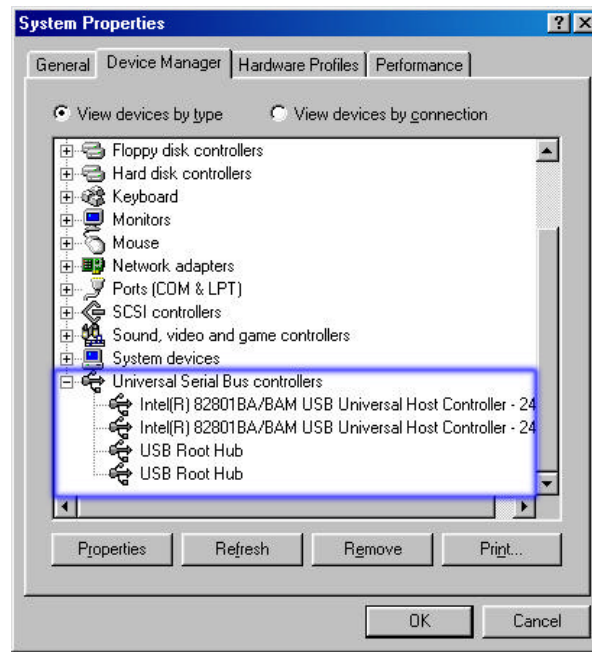
3. System Requirements

IBM PC/AT or compatible (Desktop / Notebook / Sub-Notebook / Laptop computers) with at least a 100 MHz Pentium or better, or Apple® Macintosh™, with USB ports.

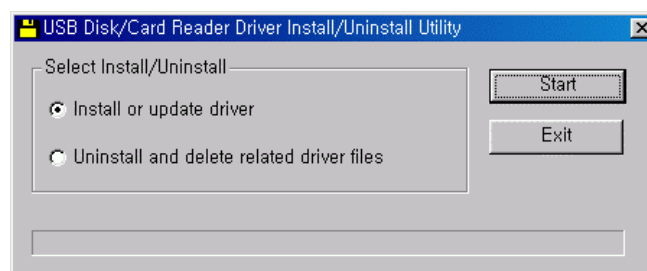
4. Driver Installation for Windows[®] 98 / SE (AutoSetup Package)

- 4.1 Before installation of the drivers, check first that the USB controller of your computer is working well.

Open the [Control Panel] → [System Properties] → [Device Manager], then check if it shows “Universal Serial Bus controllers” and see if they are in good working condition. If your computer does not have USB controller, then the USB device will not work.



- 4.2 The screen as below is appeared if insert CD-ROM for installing the driver. Click the “Start” button to install the driver.



5. Driver Installation for Windows[®] 98 / SE (Basic Package)

- 5.1 Insert the supplied CD-ROM installation software in the PC CD-ROM drive, and plug the MemoryDrive into PC's USB port. A "USB Device has been found" message and the following dialog box "Add New Hardware Wizard" will show up onto your screen. Then press "Next".



- 5.2 Dialog box shows how Windows searches for the MemoryDrive drivers. Choose "Search for the best driver for your device. (Recommended)." and press "Next" button.



- 5.3 Dialog box shows where to locate the MemoryDrive drivers. Select item "CD-ROM drive". Press "Next" button.



- 5.4 Dialog box shows that Windows has located the MemoryDrive driver in CD-ROM drive. If installation is to be continued, press "Next" button.



5.5 Dialog box shows that Windows has finished the installation of the Memory Drive driver. Press “Finish” button.



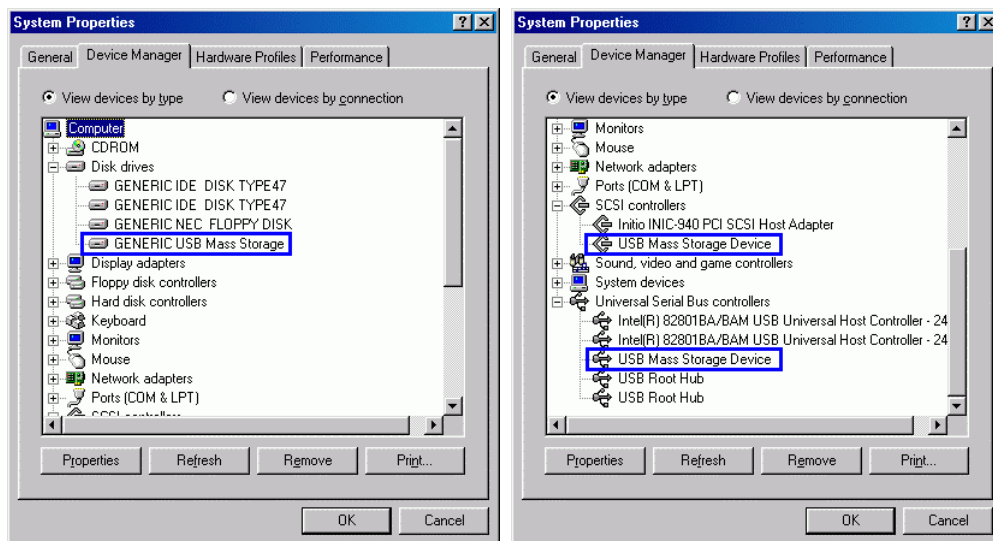
5.6 Now all the drivers and controllers have been installed into your system. You should see the Removable Disk icon appearing in the window when you activate the “My Computer” icon. You are ready to easily transfer data between your MemoryDrive and computer.

6. How to use ?

The Memory Drive functions as a removable disk drive on your computer. When you insert the MemoryDrive to the USB port of your PC or Mac, then the “removable disk” icon will appear in the “My Computer Folder”. You can use the MemoryDrive the same way as a Floppy disk or a Hard drive on your computer. When you pull out the MemoryDrive from the USB port, the above icon will disappear.



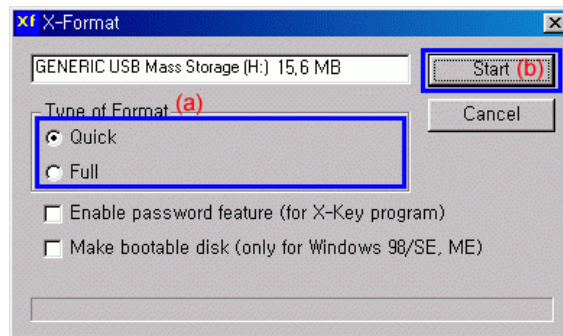
You can find if the MemoryDrive controller is installed properly by clicking onto “Control Panel” - “System Properties” - “Device Manager”.



7. X-Format (xFormat.exe)

7.1 Open xFormat window, you can choose two type format as following.
[Pic. (a)]

- 1) Quick Format : It's called Logical Format like Windows Format.
- 2) Full Format : It's called Physical Format, in case of Full Format, cleaning all sector of the memory. But it takes long time, so it is not often used.



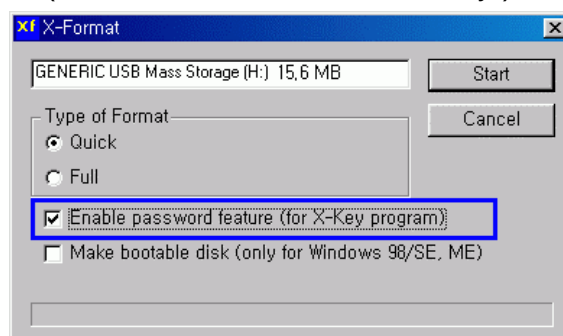
and click "Start" button then execute format. [Pic. (b)]

7.2 Full(Physical) Format must be use in unavoidable case as below.

- 1) The BSOD(Blue Screen Of Death) is appeared on writing and reading. (It is caused by that bad sectors are created inside the memory from careless.)
- 2) Windows(or DOS) Format is not working.

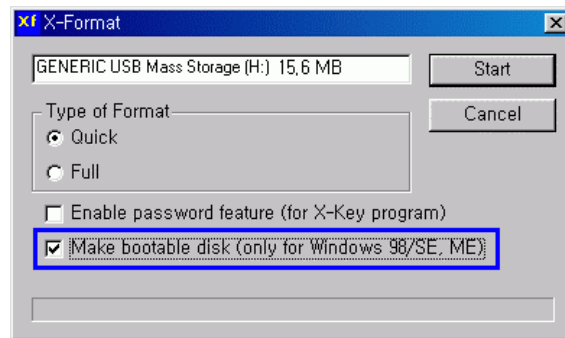
* Format will erase all the data in the device.

7.3 You can use this function after check "Enable password feature" option and format. (Refer to 8. for how to use X-Key.)



* For use of this function, if the format is completed, execute X-Key program after Memory Drive disconnect and connect again to USB port.

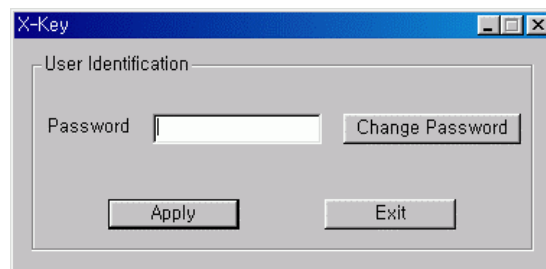
7.4 If you check “Make bootable disk” option and format, you can use in place of Floppy Diskette(or Bootable CD-ROM etc). But if you want to use this function, “USB-ZIP” must be in Bootable section of CMOS(ROM-BIOS). For more information please ask each PC mainboard manufactures. (We cannot solve this problem.)



* Bootable function is only for Windows 98/98SE/ME.

8. X-Key (xKey.exe)

- 8.1 X-Key Program is device lock security program which protect the approach from the outside in case of important files that need preservation in USB Mass Storage Device.
- 8.2 For using X-Key Program, you have to format after select 'Enable password feature' option in X-Format. (Refer to 7. for how to use X-Format.)
- 8.3 If the format is completed, execute X-Key program after Memory Drive disconnect and connect again to USB port.
- 8.4 You can see window on screen as below if execute X-Key program, if you input password(first password is "1111".) and click "Apply" Memory Drive is unlock and use it.



- 8.5 If execute X-Key program, key-shaped icon is created at Tray Bar on right button, after click the right button of mouse, you can execute lock function and unlock function with use of "Lock Disk" and "Unlock Disk".



- 8.6 After input a password, you cannot use Memory Drive without decode. If you forget the password, it is impossible the data are restored, only way is that you have to format to return to first condition. If then all data in Memory Drive is disappeared. So please be careful to remember the password.

9. X-File Security

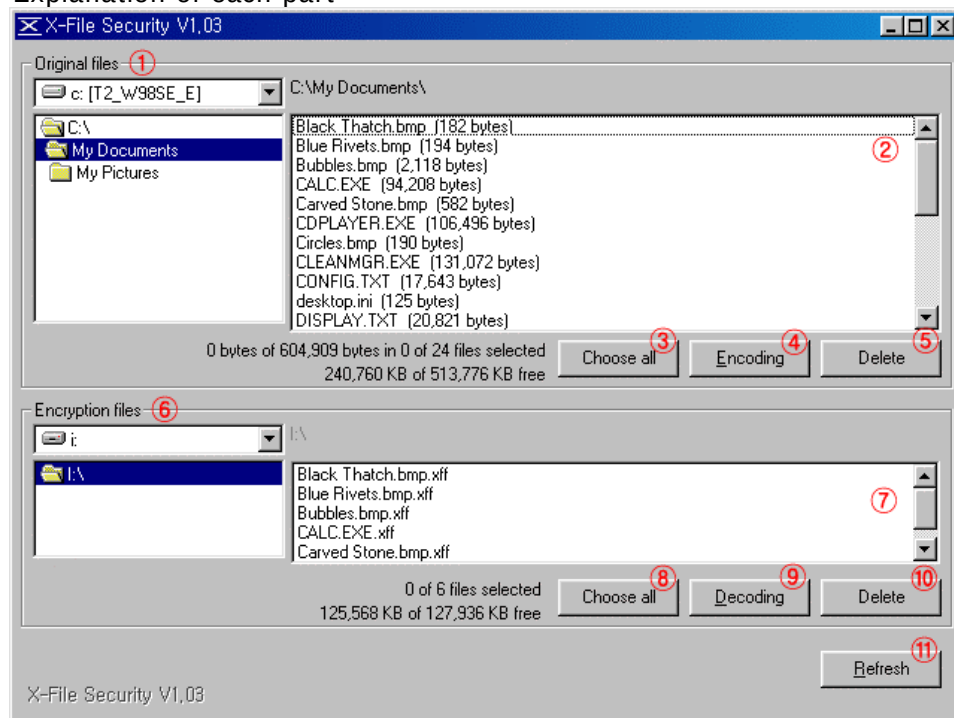
9.1 X-File Security Program is the data security program which transforms the important files needed security into encoded files.

9.2 Usage is very simple. Use as copy of files between Original window and Encryption window. If you encode a file, the file is encoded and the encoded file will be created at subject folder. On the contrary, if the encoded file is decoded, the decoded file will be created at subject folder.

9.3 Before using X-File Security Program, must be setup at Windows 98(except Windows 98SE/ME/2000/XP) over MDAC(Microsoft Data Access Components) Version 2.5.

(MDAC is included in CD-ROM which is supplied with Memory Drive.)

9.4 Explanation of each part



① Original files : The section for Original files.

② Original window : Window for Original files. If click ④'Encoding' button after selecting files, the encoded files will be created in ⑦window. If double click, the file connected to applied program is executed.

*Even there are encoded files(.xff), encoded files are not seen in this "Original files" folder.

③ Choose all : The button for selecting all of files at one click.

④ Encoding : The button for encoding selected files.

⑤ Delete : The button for deleting the selected files.

⑥ Encryption files : The section for Encryption files.

⑦ Encryption window : This window shows the encoded files. For decoding, click ⑨'Decoding' button or double click after select files. After decoding, Original files will be created in ②window.

*Even there are original files in this encryption folder, the original files cannot be seen. Only encoded files(.xff) are seen.

⑧ Choose all : The button for selecting all of files at one click.

⑨ Decoding : The button for decoding the selected files.

⑩ Delete : The button for deleting the selected files.

⑪ Refresh : The button for refreshing the file list.

10. Cautions for using the Memory Drive

- 10.1 When removing the Memory Drive from the USB port, please ensure that the Red light on the Memory Drive Drive is not flashing. This will ensure that your data on the device is not lost. This should be checked even if the dialog box on your computer shows that that the data transfer is finished.
- 10.2 When unplugging the Memory Drive in Windows ME/2000/XP, you must double click the icon "Unplug or Eject Hardware" that is located at the bottom right corner of your screen and follow the instructions before removing. In Linux you should Unmount the Memory Drive before unplugging
- 10.3 Please unplug the Memory Drive from the USB port before turning your computer on/off. It is also important to ensure your computer has finished booting before plugging the Memory Drive in.
- 10.4 Please ensure that you follow the instruction booklet that is included for proper driver installation when using Windows 98/SE
- 10.5 On some systems, there is a known compatibility issue when using some CD burning software in Windows. For more details, please visit our trouble shooting documentation at

www.memorydrive.com

11. Specifications

Supported OS	Windows 98/SE, Windows ME, Windows 2000, Windows XP, Mac 8.6 or higher, Linux 2.4.x
Power Supply	USB bus-powered (4.5V to 5.5V)
Capacities	16MB/32MB/64MB/128MB/256MB/384MB
Data Retention	10 years
Illumination	Green : Device connected Red Flashing : Data receiving or transmitting
Data Reading/Writing Speed	Max 12 Mbits/Sec (depending on PC system)
Operating Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +80°C
Dimension (LxWxH)	63mm x 21mm x 11.6mm
Weight	15 g
Certification	FCC, CE, MIC
Warranty	1 year limited liability warranty

12. Warranty Disclosure

Your MemoryDrive comes with a one year hardware warranty.

We warrants the MemoryDrive against defects in material and workmanship. This warranty applies only to the original purchase of the MemoryDrive and is not transferable. This warranty does not cover any incompatibilities due to user's computer, hardware, software or any other related system configuration in which the MemoryDrive interfaces.

Proof of purchase will be required before any warranty consideration by us.

This warranty does not apply to any failure or deficiency which has been caused by misuse, neglect, alternation, improper installation or handling, unauthorized repair or modification, improper testing, accident or causes external to the MemoryDrive, such as, but not limited to, excessive heat or humidity, power failure or improper installation or removal of the device.

We warranty as set forth shall not be enlarged, diminished or affected by, and no liability shall arise out of us, rendering of technical advice or service in connection with your order.

The warranty set forth above is not assigned by you.

This Warranty applies only to this product, and is governed by the international laws.

13. Safety note

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

14. Technical Support

All inquiries have to be made by e-mail only to the following address:

info@memorydrive.com

or alternatively, more information, updates and technical support can be found on our web site :

www.memorydrive.com