

USER MANUAL

One-Touch-Backup

USB2+SATA Combo External Drive



FCC COMPLIANCE STATEMENTS

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, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to 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 Distance 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.

TRADEMARKS

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Safety Warning

Please read this user manual carefully before using this product.

1. Always unplug the power cord before assemble Hard Drive.
2. Do not use a power adapter with different voltage rating. It will damage this product.
3. Keep this equipment away from humidity or any type of moisture.
4. Do not drop or shack the device.
5. Do not press or put any weight on this device.
6. Do not use any alcohol, thinner or benzene to clean this device.

1. INTRODUCTION

The USB2+SATA Combo External Drive is a portable compact storage drive that incorporates the USB2.0 and Serial ATA (bus speed up to 1.5Gbps) high speed interface. The USB2+SATA Combo External Drive provides a fast and easy way to add more storage space to your computer. The Plug & Play feature gives you a great convenience on the road, the USB2+SATA Combo External Drive can be easily connected to computer by SATA or USB/USB2.0 interface, and can even be disconnected and re-connected while the computer is running.

The USB2+SATA Combo External Drive is compatible with Windows/Mac (USB port only) Computers. This is the perfect solution for additional external storage, data backup, and for transferring data between computers and platforms.

2. SYSTEM REQUIREMENTS

Hardware :

Notebook and desktop computer with external USB/USB2.0 or Serial ATA port supported.

Operation system:

SATA Port : Win98SE, Win-Me, Win2000, Win XP, Win NT4 or above

USB2 Port : Win98SE, Win-me, Win2000, Win XP, Mac OS 10.0 or above.

3. HARDWARE INSTALLATION

Step 1 Boot-up your computer into the operation system, make sure the Serial ATA or USB/USB2.0 port device driver has installed and available in operation system.

Step 2 Plug the port connector of the Serial ATA (USB) cable into the Serial ATA (USB) Port of your USB2+SATA Combo External Drive .

Step 3 Plug the port connector of the Serial ATA (USB) cable into Serial ATA (USB) port of computer.

Step 4 Plug the AC (DC) power cord to the inlet (DC Jack)of your USB2+SATA Combo External Drive and power on the drive . Your USB2+SATA Combo External Drive will be ready to use.

If you are using the USB2+SATA Combo External Drive with external power adapter, plug the DC cable to your USB2+SATA Combo external drive prior to plug the AC power cord.

Step 5 Follow the Software Installation for the next.

Caution!

The vast majority of Serial ATA controller can support Plug and Play feature for SATA External Drive. With some models of Serial ATA controller don't support plug and play function.

If you experience this problem, please contact the dealer to fix this problem.

4. Drivers INSTALLATION

4.1 Install USB2.0 Drivers

Windows 98SE

Boot-up your computer into the Windows 98SE, **If this is the first time you use USB2+SATA COMBO External Drive, you have to run the Setup_V1.0.4.0.exe | from the install CD before you connect your USB2+SATA COMBO External Drive to computer.**

1. Insert the install CD in your CD-ROM

2. Run the “Setup.exe”  Setup.exe
JMicron IR0333X Setup Program
JMicron Technology Corp.

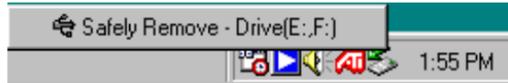
to install drivers for your USB2+SATA
COMBO External Drive. You will see a
message as right.



3. Plug in USB cable you will see the USB icon will appear in the system tray.

4. Safely remove disk

Right click the USB icon and click the message.



5. Uninstall the driver

You can Click Start→Settings→Control Panel→Add/Remove Programs, select JMicon USB Disk Driver and click Add/Remove Programs. Or you can click Start→Programs→JMicon→JMUSBUinstall to uninstall it. You will see a message after you remove the driver as below.



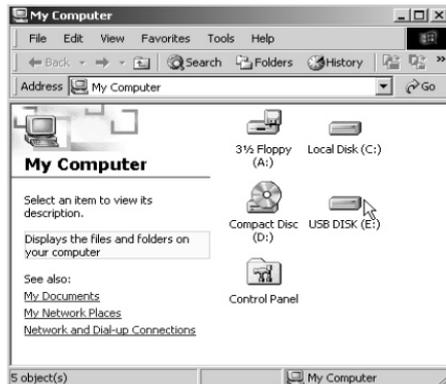
If the new drive doesn't appear in My Computer, it means this USB2.0 External Drive is a whole new hard disk drive which doesn't contain any partition, please refer to the Partition the USB2+SATA Combo External Hard Disk chapter to prepare your USB2.0 Hard Disk.

Windows Me / 2000 / XP

This USB2+SATA Combo External Drive is supported by Mass Storage Device in Windows Me/2000/XP system directly. You don't need to install any drivers when you use.

Mac OS

You don't need to install this software if you have installed Mac OS 10.0 or above.



4.2 Install SATA Drivers

Windows 98SE/Me / 2000 / XP/NT4

Windows 98SE/Me/2000/XP/NT4 users DO NOT need to install drivers, Serial ATA controller will automatically provide a default driver for your SATA external drive.

After the system installed the default driver for your SATA external drive. Double click on My Computer, a new drive Disk is added in a few seconds, it is the USB2+SATA Combo External Drive which just installed .

If the USB2+SATA Combo External Drive is a whole new disk drive which doesn't contain any partition, please refer to the Partition chapter to prepare your USB2+SATA Combo External Disk.



5. USING THE USB2+SATA COMBO EXTERNAL DRIVE

You can connect or disconnect the USB2+SATA Combo External Drive without power off the computer, please follow the steps when you want to do the above actions:

5.1 Connect the USB2+SATA Combo External Drive to computer

Step1 Plug the port connector of the Serial ATA(or USB) cable into the Serial ATA(or USB) Port of your USB2+SATA **Combo** External Drive.

Step2 Plug the port connector of the Serial ATA(or USB) cable into the Serial ATA(or USB) port of computer. Plug the AC (DC) power cord to the INLET (DC Jack) of your USB2+SATA Combo External drive and Turn on the power switch on your USB2+SATA Combo External Drive.

Step3 Your USB2+SATA Combo External Drive is ready for use immediately.

Note :

If your computer already have internal Serial ATA port, you may need a external Serial ATA port adapter to connect with SATA external devices.

5.2 Disconnect the USB2+SATA Combo External Drive from computer

5.2.1 Disconnect SATA External Drive

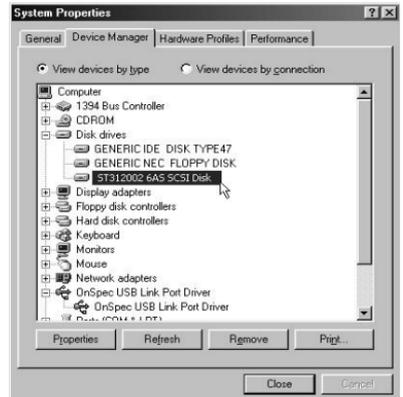
Windows 98SE/Me/NT4:

Step1 Click on [start], choice the [control panel] in [setting], double click [system] and open [hard disk] . A screen appears as right.

Step2 You can see the SATA hard Disk you add. High light the SATA Hard Disk and click on the [remove].

Step3 When The [Confirm Device Removal] dialog Box appears , click on “OK”.

Plug out the Serial ATA cable from the Serial ATA port of computer.



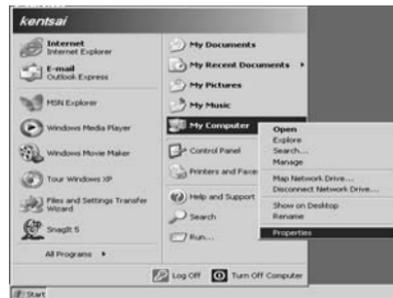
Windows 2000/XP:

Step1 Right Click on [My Computer], choice the [Properties], select [Hardware] and open [Device Manager] .A screen appears as right.

Step2 Click on [Disk Drives] in the devices table, You can see the SATA hard Disk you add. High light the SATA Hard Disk and choice the [remove].

Step3 When The [Confirm device Removal] dialog Box appear , click on “OK”.

Plug out the Serial ATA cable from the Serial ATA port of computer.



5.2.2 Disconnect USB2.0 External Drive

Windows 98SE

Step1.

Double click the green Unplug or Eject hardware icon in system tray and select the device that you want to remove and click on [Safety Remove] .



Step2

When the system prompts

‘Confirm device to be stop’, click on [OK] .

When the green Arrow Icon is disappeared, plug out the USB cable from the USB port of computer.



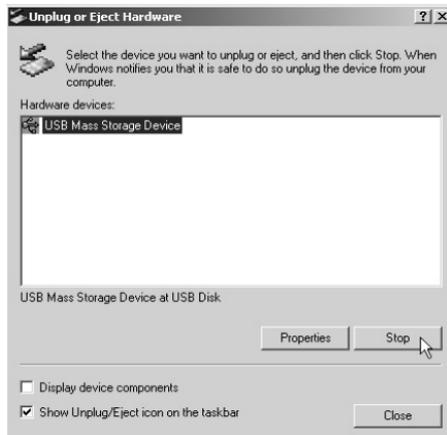
Windows Me/2000/XP:

Step1 Double-click on the [**Unplug or Eject Hardware**] icon in system tray.

Dialog box appears as right.

Step2 Highlight the [**USB Mass Storage Device**] in the dialog box, click on [**Stop**], choice the USB2.0 External Drive that you want to disconnect, then click on [**Stop**] again on next screen.

Step3 Wait for few seconds, the system prompts “**You may safely remove this device**”. Plug out the USB cable from the USB port of computer.



MAC OS

When disconnecting your USB2.0 External Drive from computer, close all windows and quit all running applications that are stored on the USB2.0 External Drive and drag USB2.0 External Drive's icon into **"Trash"** to dismount it from the Desktop prior to unplugging the USB2.0 External Drive from the USB port .

CAUTION !!

Do not plug out the SATA External Drive from the Serial ATA port of your computer while copying files to or from the device or while files or applications stored on the SATA External Drive are in use.

DOING SO MAY RESULT IN LOSS OF DATA.

5.3 Boot From The SATA External Hard Disk

5.3.1 BIOS Setting

If your Serial ATA (SATA) controller is a bootable controller (the vast majority are) you may boot from the SATA external drive.

Embedded Serial ATA Controller

You may need to enter [Setup] of Mainboard and change the boot sequence so that the SATA controller is the first boot device listed. In most cases, if the SATA controller is embedded (not an add-on controller card) on the motherboard, the BIOS Setup utility will have an option to choose the SATA drive as the first boot device. Look for Boot Sequence, Boot Options, Boot Order or a similar setting to make this change.

Add on card Serial ATA controller

If the SATA controller is an add-on controller card on the mainboard, you may try to choose the SCSI drive as the first boot device.

If Setup does not allow this change, your system BIOS may not allow the SATA

controller to be designated as a boot device at the BIOS level. In such cases, you still may be able to boot to the SATA drive as long as there is not a bootable EIDE drive installed in the system as well.

5.3.2 Install Windows 2000/XP OS to SATA External Hard Disk

Insert the Windows 2000/XP CD into the CD-ROM drive and restart the system. During the initial installation of Windows, you will need to press F6 almost immediately when "Setup is inspecting your hardware..." appears on the screen. You will then be asked to provide any mass storage controller drivers you may have. At this point, use the drivers supplied by your Serial ATA controller manufacturer. After performing the steps above, the drive will be recognized and the install should continue without problems. Following the instructions of wizard to finish the installation.

6. Partition The USB2+SATA Combo External Hard Disk

6.1 Partition under Windows 98/ME

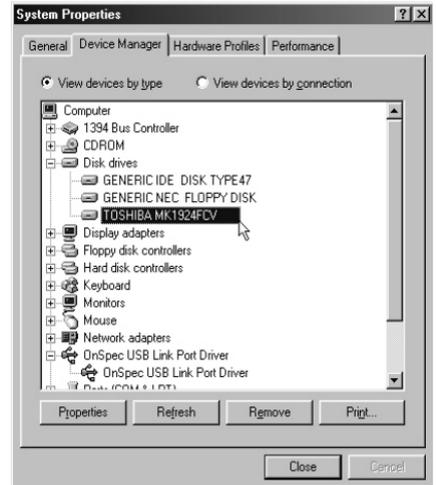
Boot-up the computer into Windows 98/ME system.

Plug your USB2+SATA Combo Hard Disk Drive .

There are two methods to partition and format your USB2+SATA Combo Hard Disk Drive.

Method 1.

Step1 Click on [start], choice the [control panel] in [setting], double click [system] and open [hard disk]. A screen appears as right.

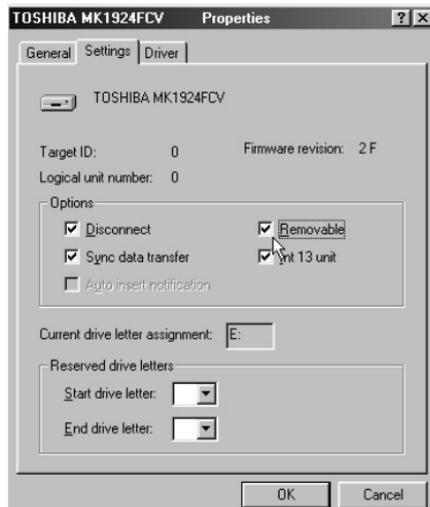


Step2 You can see the USB2+SATA Combo Hard Disk you just add. High light the USB2+SATA Combo Hard Disk and choice the **[property]**, select **[setting]**, setting the USB2+SATA Combo Hard Disk to **[removable]**. A screen show as right.

Step3 After restart the system, a removable HDD is added to **[My Computer]**. Choice the removable HDD and click right button of mouse . Select the **[format]** to format your SATA Hard Disk Drive.

You only can set the USB2+SATA Hard Disk Drive to one partition in this method.

Method 2



Step1 Go into the MS-DOS mode by click on **[Start]**, choice the **[MS-DOS Prompt]** in **[Programs]**

Step2 At the DOS prompt, type **[FDISK]** and press Enter.

Step3 If FDISK quit without any message, back to the Windows 98 screen, plug out the USB2+SATA Combo Hard Disk, re-boot computer , plug in USB2+SATA Combo HDD again and go back to step 1 to proceed.

Step4 In the first screen of FDISK, answer the question:

Do you want to enable large disk support ?

[Y] if you want to build a partition larger than 2GB.

[N] if you want to build a partition small than 2GB.

Step5 The next screen is **[FDSIK OPTIONS]**, and type “5” to select disk. The screen show as right.



IMPORTANT:

you must type **[5]** in this screen to change the current fixed disk drive to build partition, the default fixed drive set by FDISK is your internal hard disk, **if you don't change the fixed disk drive to the USB2+SATA Combo Hard Disk, the data of your internal hard disk will be destroyed.**

Step6 In the [**Change Current Fixed Disk Drive**], type the disk drive number that assigned to the USB2+SATA Combo Hard Disk .

Step7 Back to [**FDISK OPTIONS**] screen, Now you can create or delete the partition of the USB2+SATA Combo Hard Disk.

Step9 After you finish FDISK, back to the Windows screen, plug out and plug in USB2+SATA Combo Hard Disk again to activate these changes. Double click on [My Computer] icon, the USB2+SATA Combo Hard Disk Drive that you already partitioned will appear.

6.2 Partition under Windows 2000/XP

Step1 .To partition the USB2+SATA Combo Hard Disk Drive under Windows 2000/xp, please plug the USB2+SATA Combo Hard Disk , then click on **[Start]**,choice the **[Control Panel]** in **[Settings]**,open **[Administrative Tools]**, double click **[Computer Management]**. A window appears as right.

Step2 Click on **[Disk Management]** on the left part of this window, all connected disk drives will be listed in the right part. Find out the USB2+SATA Combo Hard Disk that you add. On the right of disk # is the status of the partitions of this disk drive, you can create a new or delete an exist



partition by right-click on this area.

Step3. Right-click on the right area of USB2+SATA Combo Hard Disk Drive, click on **[Create Partition....]**

The **”Create partition wizard”** will appears.

Step4. Following the instructions of wizard to partition and format your USB2+SATA Combo Hard Disk Drive.

Now ,you have built a partition in the USB2+SATA Combo Hard Disk Drive, you can write data to it.

Note:

- 1. If you are formatting using the FAT32 file system, partitions cannot be larger than 32GB.**
- 2. If the capacity of external hard disk is over 117GB, you should update your OS to support 48-bit LBA addressing. Pls. check this with the Microsoft website.**

7. OTB Backup Introduction

One Touch Backup (OTB) is the file backup function between the external drive and PC. You can use it to backup your file from PC to the external enclosure. OTB software will create a new folder: "FilesBackup" to save your files . You can backup the target files or folders to the external enclosure with selected paths with the OTB backup software.

To use OTB function, please install OTB tool from the installation CD first. The operation manual of OTB can be seen in the tool folder of OTB after successful installation.

Note: OTB function only can be supported on USB mode!!

8. Install OTB Backup

1. Find out OTB Backup folder in Install CD.
2. Execute Setup.exe.
3. InstallShield Wizard will appear, choose the software language, (English, Traditional or Simple Chinese) then click Next.
4. Click Next then Click Install.
5. Setup type will appear, Click Next to continue installation.



6. Click Finish to complete software installation.

Note : After installing, software will process in background, you will see OTB Backup icon in the system tray after you plug in USB2+SATA Combo Hard Disk. Right click the icon in the system tray you can enter or exit the OTB software.



9. Uninstall OTB Backup

You can click Start\Programs\OTB\Uninstall to uninstall it, or you can uninstall it from Start\Settings\Control Panel\Add or Remove Programs.

10. FAQ

About the Hard Disk :

1. I can only find the USB tray icon properly in the system tray, but can't find the hard disk within "MY COMPUTER" after hardware installation ?

A: Please make sure the HDD has been initialized and partitioned after hardware installation.

2. Does the enclosure have any compatibility issue with any 3.5 inches SATA HDD ?

A: The combo enclosure might have compatibility issues with some old type 3.5 inches SATA HDDs , but no problem with new type 3.5 inches SATA HDDs.

3. What is the MAX. Capacity of FAT32 format ?

A: Formatted through the Disk Management tool provided by Windows systems, the maximum formatted capacity of FAT32 is 32GB.

4. Does the enclosure supports multiple partitions with different formats (FAT32 or NTFS) ?

A: Yes. The enclosure can support multiple partitions with different formats. You can format it under FAT32 and NTFS depending on your demand. Only under Windows ME and Windows 98SE , we recommend that it's better to utilize FAT32 FORMAT to all partitions because NTFS FORMAT is not supported by these two OS systems.

About the USB Disk Function :

1. Does the enclosure support USB bus-power ?

A: No. It doesn't support USB bus-power , the external power supply 12V 3A is mandatory.

About the WINDOWS OS :

1. I can't find my enclosure under Windows 98 system. Does it support Windows 98 system ?

A: Yes, it supports Windows 98 system. Please install the proper Windows98 drivers before starting using the enclosure.