

eSATA/USB to Dual Removable 2.5in SATA HDD Enclosure with RAID

S252U2ERR



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FCC Compliance Statement

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.

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Introduction

The StarTech.com S252U2ERR Dual Removable 2.5" SATA External Hard Drive Enclosure provides a complete, hardware-based external RAID storage solution for laptop or desktop computers. Accommodating two 2.5" SATA 1.5/3.0 Gbps hard drives, this compact HDD enclosure supports RAID configurations including JBOD (Single), Spanning (BIG/Concatenated), RAID 0 (Fast) and RAID 1 (Safe).

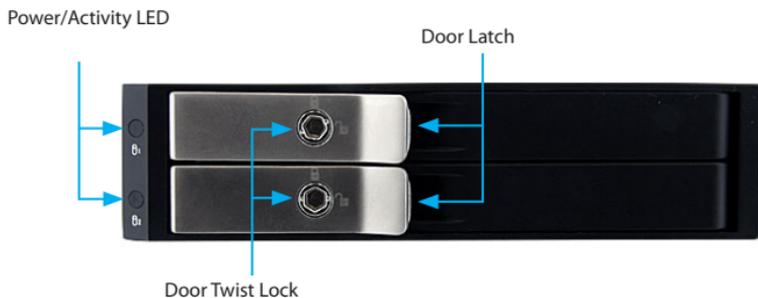
Packaging Contents

- 1 x SATA Hard Drive Enclosure
- 1 x eSATA cable
- 1 x USB cable
- 1 x Universal Power Adapter with NA/UK/EU plugs
- 1 x Set of keys
- 1 x Stand
- 1 x Instruction Manual

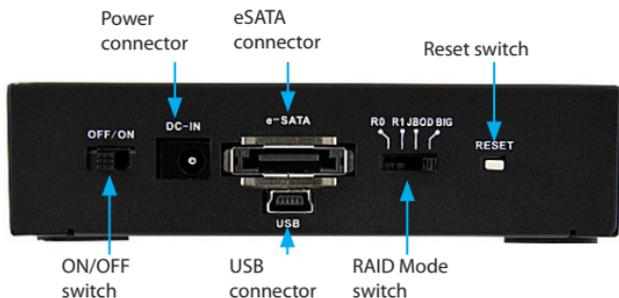
System Requirements

- eSATA and/or USB enabled computer system
NOTE: eSATA host controller should support Port Multiplier technology if using JBOD mode
- Windows 2000/ XP(32/64bit)/ Server 2003(32/64bit)/ Vista(32/64bit)/ 7(32/64bit)/ Server 2008 R2, Linux, and Mac OS 9.0 and up

Front View



Rear View



Installation

WARNING: Hard drives require careful handling, especially when being transported. If you are not careful with your hard disk, lost data may result. Always handle your hard drive and storage device with caution.

Hardware Installation

1. Make sure the power switch on the enclosure is set to OFF and the power adapter is unplugged from the enclosure.
2. Unlock the drive bay doors by turning the twist lock clockwise with the provided keys.
3. Open the drive bay doors by pulling on the metal door latch forward.
4. Slide a bare 2.5" SATA hard drive into the drive bay and close the door behind it, making sure it latches properly.
5. Lock the drive bay doors by turning the twist lock counter-clockwise with the provided keys.
6. Set the enclosure to the proper RAID mode via the selection switch on the rear.
7. Connect the power adapter from an electrical outlet to the enclosure.
8. Power on the enclosure by setting the power switch to ON.
9. Press the "Reset" button on the rear of the enclosure to ensure the proper RAID mode becomes set.
10. Connect the enclosure to the computer via eSATA or USB, not both.
11. To remove drives from the enclosure, first make sure that the disk volume is unmounted within the operating system (see documentation for your operating system or host controller) or the computer is off.
12. Turn the enclosure off by switch the power switch to OFF.
13. Unlock the drive bay door with the provided keys and open by pulling the metal latch forward.

Driver Installation

No driver installation is required for these operating systems, as this enclosure is natively supported, so the drivers are already installed.

How to Configure

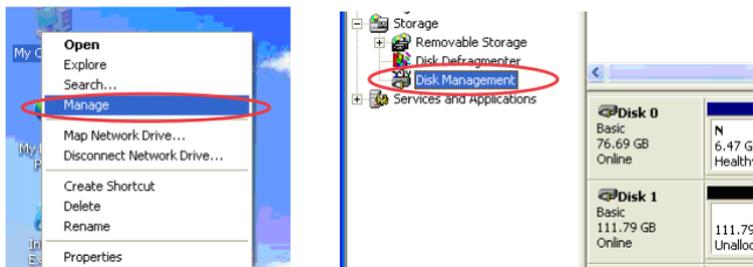
Operating Modes

Mode	Description
RAID 0 (Striping)	Striping combines multiple disks into a single large disk array. The data is split evenly across each disk simultaneously. Read/write performance is increased as a result, but failure of any one disk will make the entire array unusable.
RAID 1 (Mirror)	Mirroring writes the same data across multiple disks, creating exact mirror copies. This provides redundancy in case one drive fails.
JBOD (Single)	JBOD enables each hard drive to be seen as separate independent drives. If only a single hard drive is installed, ensure this mode is enabled. NOTE: When using eSATA, this mode should only be used if the eSATA host controller provides Port Multiplier (PM) support. If a host is not PM-aware, only a single drive will be visible. No such limitation exists if using the USB connection.
BIG (Concat)	BIG concatenates multiple hard drives into a single large disk. Provides no performance or redundancy benefits.

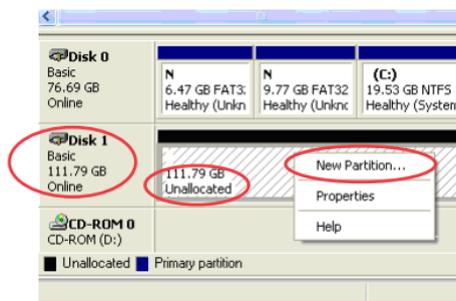
Using the Storage Device

Windows 2000/XP/Vista/7

If you are using a brand new hard drive that does not contain any data, then you will first need to prepare the hard drive for use. From the main desktop, right-click on "My Computer" ("Computer" in Vista/7), then select Manage. In the new Computer Management window, select Disk Management from the left window panel.



Locate the Disk that says it is "Unallocated" (check hard drive capacity to confirm it's the correct hard drive) and then right-click in the section that says "Unallocated" and select "New Partition".



The New Partition Wizard will appear. Follow the instructions in the wizard to complete setting up the drive. Once complete, the Disk should show up as "Healthy" with a drive letter assigned (i.e. E:). This drive letter should now appear within My Computer.

If you are installing a hard drive that already has data on it, then after plugging it in, the drive should automatically show up with a drive letter assigned within My Computer.



Specifications

Number of Hard Drives	2
Host Interface	USB 2.0 SATA 3.0 Gbps
Chipset ID	Silicon Image Sil5744
Connectors	1 x eSATA* 1 x USB mini-B 1 x DC Power
LEDs	2 x Power/Activity
Compatible Hard Drives	2.5" SATA 1.5/3.0 Gbps compatible, height up to 9.5mm
Maximum Data Transfer Rate	eSATA: 3.0 Gbps USB2.0: 480 Mbps
RAID Modes	0, 1, JBOD (single), BIG (concat)
Power Adapter	5VDC, 2A, center positive
Operating Temperature	5°C ~ 70°C (41°F ~ 158°F)
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)
Humidity	8 ~ 90% RH
Dimensions	150.0mm x 101.0mm x 25.0mm
Weight	224g
Compatible Operating Systems	Windows 2000/XP/Vista/7 (32/64-bit), Mac OS 10.2 or later, Linux

* eSATA host controller must support Port Multiplier (PM) technology for use with JBOD

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/ support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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