

# USB 3.1 Dual 3.5 in. SATA (6Gbps) HDD Enclosure with RAID

S352BU313R



\*actual product may vary from photos

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For the latest information, technical specifications, and support for this product, please visit [www.StarTech.com/S352BU313R](http://www.StarTech.com/S352BU313R).

## 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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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## Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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# Introduction

You can use the S352BU313R to create an external RAID storage setup, using two 3.5 in. SSDs or HDDS, with fast performance and USB 3.1 support. The S352BU313R includes a solid and compact housing and offers good drive protection, making it an ideal storage solution for your desktop computer or laptop.

## Product diagram

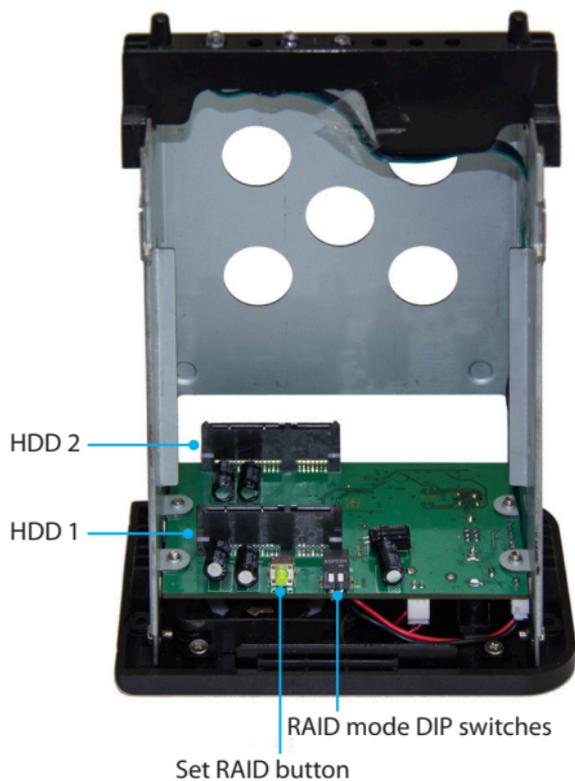
### Front



### Back



## Drive tray



## Package contents

- 1 x dual-bay enclosure
- 1 x universal power adapter (NA/JP, UK, EU, AU)
- 1 x USB-A to USB-B cable
- 1 x USB-C to USB-B cable
- 1 x enclosure stand
- 8 x drive screws
- 1 x quick-start guide

## Requirements

- Computer system with USB port
- One or two 3.5 in. HDDs, SSDs, or SSHDs
- Phillips screwdriver

This dual-bay enclosure is OS independent and doesn't require any additional drivers or software.

To obtain the maximum USB throughput, you must use a system with a USB 3.1 Gen 2 (10Gbps) port.

System requirements are subject to change. For the latest requirements, please visit [www.StarTech.com/S352BU313R](http://www.StarTech.com/S352BU313R).

## About USB 3.1 Gen 2

USB 3.1 Gen 2 connectivity standard offers speeds up to 10Gbps. The S352BU313R is backwards compatible and supports USB 2.0 and USB 3.1 Gen 1 (5Gbps).

# Install a drive

**Warning!** Drives should be handled carefully, especially when they're transported. If you're not careful with your drives, you may lose data as a result. Always handle storage devices with caution. Make sure that you're properly grounded by wearing an anti-static strap when you install any computer component. If an anti-static strap isn't available, touch a large, grounded metal surface for several seconds to discharge any built-up static electricity.

1. Use a Phillips screwdriver to remove the four screws in the back panel of the dual-bay enclosure.

**Note:** If you're using the dual-bay enclosure for the first time, you don't need to remove any screws because the dual-bay enclosure ships without the screws installed.

2. Slide the back panel away from the dual-bay enclosure to reveal the drive tray.
3. Place the drive tray on its side with the green **Set RAID button** facing upwards.
4. Gently slide a 3.5 in. HDD, SSD, or SSHD into one of the drive trays so that the SATA connector on the drive lines up with the corresponding connector on the drive tray. The connector on your drive is keyed so that it only fits in the drive tray one way.
5. To secure the drive in place, use a Phillips screwdriver to insert two of the provided screws into each side of the drive tray the drive is in, and tighten the screws in place.
6. To install a second drive, repeat steps 4 and 5.
7. Set a RAID mode. For more information about how to do this, see the "Set a RAID mode" section.
8. Slide the drive tray back into the dual-bay enclosure.
9. Use a Phillips screwdriver to insert the four screws into the back panel, and tighten the screws in place.
10. Connect the universal power adapter to the **Power adapter port** on the dual-bay enclosure and a power outlet.
11. Connect one of the provided USB cables to the **USB 3.1 port** on the dual-bay enclosure and a USB port on your computer.
12. Move the **Power switch** on the dual-bay enclosure to the **ON** position.
13. Use the **Fan switch** on the dual-bay enclosure to turn on the fan.

# Set a RAID mode

To configure a RAID mode, you need to use the RAID mode DIP switches and the green set RAID button located on the inside of the dual-bay enclosure.

**Warning!** Setting or changing your RAID configuration will erase the data or metadata on your existing drives. Save or back up any important data before you proceed.

1. Move the **Power Switch** on the dual-bay enclosure to the **OFF** position.
2. Use a Philips screwdriver to remove the four screws in the back panel.
3. Remove the drive tray from the dual-bay enclosure.
4. Move the **RAID mode DIP Switches** to the correct position for the RAID mode that you want to set. For more information about the switch positions, see image at the end of this article.
5. Connect the **Universal Power Adapter** to the **Power Adapter Port** on the dual-bay enclosure and a power outlet.
6. Connect the **USB Cable** to the rear of the enclosure, and the computer.
7. Open a disk management utility (Disk Management on Windows, Disk Utility on macOS).
8. Move the **Power Switch** on the dual-bay enclosure to the **ON** position.
9. Let the dual-bay enclosure power on, the drives will begin to spin up.  
*Note: This may take up to 30s depending on the capacity of the drives.*
10. Once the drives (or drive if a RAID mode is already configured) show up in the disk management utility, press and hold the green **Set RAID Button** for 10 seconds until the drive LEDs begin to blink.
11. Once they blink, set the **Power Switch** on the dual-bay enclosure to the **OFF** position, and disconnect the **Universal Power Adapter** from the **Power Adapter Port**.
12. Slide the drive tray back into the dual-bay enclosure.
13. Use a Philips screwdriver to insert the four screws into the back panel, and tighten the screws in place.
14. Reconnect the **Universal Power Adapter** to the **Power Adapter Port** and move the **Power Switch** to the **ON** position.
15. Wait for the disks to spin up fully, and show up in the disk management utility.
16. Initialize and format the drive(s) before use.

# RAID Modes

RAID mode	Description	Switch 1	Switch 2
JBOD/PM	Just a Bunch of Disks Allows access to both drives independently	Off	Off
RAID 0	Stripe Set Splits data evenly across two or more drives	On	Off
RAID 1	Mirror Creates a redundant drive on the second drive for security	Off	On
SPAN	Spanning Creates a large single drive volume that consists of both drives	On	On

## Initialize A Disk

When setting up a new RAID Array, the drives are placed in an uninitialized state. The RAID Array or Drive will require initialization and formatting prior to use. For instructions on how to initialize and format a disk, please visit the documentation for the Disk Utility Software you are using.

# About the LED indicators

The dual-bay enclosure features three LED indicators: two drive activity LED indicators (both blue), and one power LED indicator (green).

Situation	LED status		
	Drive 1 activity	Drive 2 activity	Power
Unit is in standby (disconnected from PC or PC is turned off or in standby mode)	Off	Off	Blinking three times a second
Enclosure is online and ready	Off	Off	On
Accessing drive 1	Blinking three times a second	Off	On
Accessing drive 2	Off	Blinking three times a second	On
Drive 1 crash (RAID 0/1/SPAN)	LED is illuminated and not blinking	Off	On
Drive 2 crash (RAID 0/1/SPAN)	Off	LED is illuminated and not blinking	On
RAID 1 drive 1 rebuilding	On	Cycle of gradually getting brighter and then darkening	On
RAID 1 drive 2 rebuilding	Cycle of gradually getting brighter and then darkening	On	On
RAID rebuild complete	Off	Off	On
RAID mode changed	Quickly flashes three times	Quickly flashes three times	On

# Technical support

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For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

# Warranty information

This product is backed by a two-year warranty.

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