

Dual-Bay Drive Enclosure for mSATA SSD Drives - USB 3.1 (10Gbps), USB-C - RAID

SMS2BU31C3R



*actual product may vary from photos

FR: Guide de l'utilisateur - fr.startech.com

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For the latest information, technical specifications, and support for this product, please visit www.StarTech.com/SMS2BU31C3R.

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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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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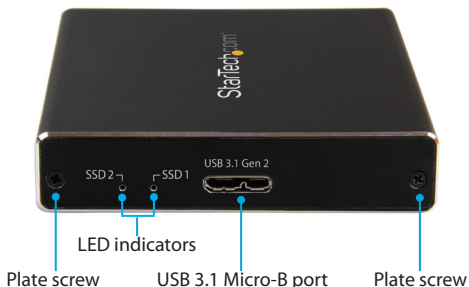
Introduction

The SMS2BU31C3R provides a quick and easy way to back up the data from your USB-C or USB-A enabled devices, and to access data stored on mSATA drives. This dual-bay drive enclosure features USB 3.1 Gen 1 data transfer speeds of up to 10Gbps, as well as built-in RAID capability.

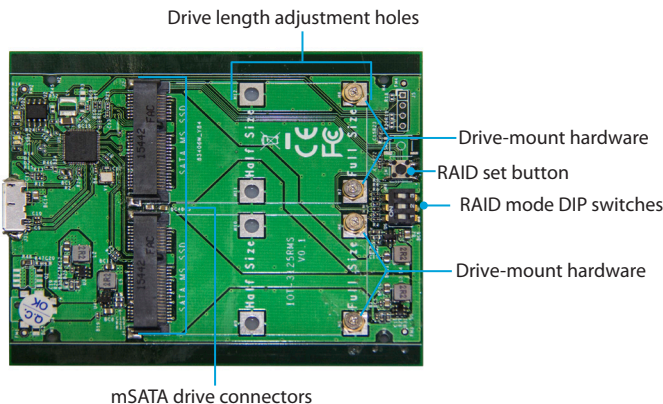
The SMS2BU31C3R supports mini SATA drives.

Product diagram

Front view



Internal drive tray



Package contents

- 1 x dual-bay enclosure
- 1 x USB-C to Micro-B cable
- 1 x USB-A to Micro-B cable
- 2 x sets of mSATA mounting hardware
- 4 x housing assembly screws
- 1 x screwdriver
- 1 x quick-start guide

Requirements

- One or two mSATA drives
- Phillips screwdriver
- 5 mm nut driver or small pliers

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 (10 Gbps) port.

System requirements are subject to change. For the latest requirements, please visit www.StarTech.com/SMS2BU31C3R.

About USB 3.0 and USB 3.1 Gen 1

USB 3.0 is also known as USB 3.1 Gen 1. This connectivity standard offers speeds up to 5Gbps.

Install an mSATA 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.

Note: The screwdriver provided with the dual-bay enclosure is meant to be used with the mounting hardware and is too small to be used with the plate screws.

1. If the cover plate is installed, use a Phillips screwdriver (not provided) to remove the two **plate screws** located on either side of the enclosure's **USB 3.1 Micro-B port**.

Note: The dual-bay enclosure ships unassembled, so you don't need to remove the cover plate the first time that you install a drive.

2. Depending on the length of your drive, you might need to move the preinstalled mounting screw and standoff. Place your drive next to the drive tray and note the hole that matches the length of your drive. If the mounting screw and standoff are already installed in the correct position, use the provided screwdriver to remove the mounting screw and proceed to step 5.
3. On the reverse side of the drive tray, use a small set of pliers to remove the nut holding the mounting screw and standoff in place.
4. Place the nut and standoff that you removed in the previous step in the hole that matches the length of your drive and tighten them.
5. Gently slide the connector on your mSATA drive into the corresponding connectors on the enclosure. The connector on your mSATA drive is keyed so that it only fits one way.
6. Gently press down on the drive so that it sits flush against the standoff.
7. Hold down the drive and use the provided screwdriver to position the mounting screw that you'd previously removed through the notch on your drive and into the standoff, and tighten the mounting screw to secure your drive in the drive tray.
8. To install a second drive, repeat steps 1 to 7 using the remaining bay.
9. Set a RAID mode. For more information about how to do this, see the "Set a RAID mode" section.
10. Slide the drive tray back into the enclosure so that the **USB 3.1 Micro-B connector** is facing outward and the mounting holes line up.
11. Place the cover plate onto the front of the dual-bay enclosure, and secure the plate in place by inserting the two **plate screws** on either side of the **USB 3.1 Micro-B connector**.
12. Use a Phillips screwdriver (not provided) to tighten the screws.

Connect a drive to your computer

Note: A USB-A and a USB-C cable are provided with the dual-bay enclosure to accommodate the type of USB port that your computer is equipped with. When you're connecting your computer to the enclosure, make sure that you're using the cable that's appropriate for your computer.

- After you install a drive in the dual-bay enclosure, connect one of the provided USB cables to the enclosure's **USB 3.1 Micro-B port** and to the USB port on your computer.

When you connect the enclosure to your computer and the OS automatically installs the necessary software, the drive is accessible as though it's installed internally in the system. Before you use the drive, you need to prepare it for use and format it according to the requirements of your OS.

Note: The enclosure doesn't require an external power supply, as it receives enough power through the USB bus that it's connected to.

Set a RAID mode

To configure a RAID mode, you need to use the RAID mode DIP switches located on the drive tray.

1. Remove the drive tray from the dual-bay enclosure.
2. 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 the "RAID modes" section.
3. Connect one of the included USB cables to the enclosure's **USB Micro-B port** and to the USB port on your computer.
4. Press and hold the **RAID set button** for 10 seconds or until a drive LED blinks to indicate that the RAID mode has been reset.
5. Disconnect the USB cable that you connected in step 3 and slide the drive tray back into the dual-bay enclosure.
6. Replace the cover plate on the dual-bay enclosure, and secure the plate in place by inserting the two **plate screws** on either side of the **USB 3.1 Micro-B connector**.

RAID modes

RAID mode	Description	Switch 1	Switch 2	Switch 3
JBOD	Just a Bunch of Disks Allows access to both drives individually	On	Off	Off
RAID 0	Striping Improves system performance	On	On	Off
RAID 1	Mirror Creates a redundant drive on the second drive for security	On	Off	On
SPAN	Spanning Combines both drives into one logical array for larger single disk space	On	On	On

About LED indicators

This dual-bay enclosure features two LEDs, each representing the status of one of the individual drives.

Behavior	Drive status
An independent LED is flashing white	Indicates drive activity
An independent LED is flashing red	Indicates the drive is disconnected or defective
Both LEDs are flashing white in unison	Indicates a RAID array is in the process of being rebuilt (LEDs will turn off when the rebuild process is complete)

Technical support

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty information

This product is backed by a two-year warranty.

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