cenmate 2 Bay Raid

Cenmate Dual Bay Hard Drive RAID Enclosure User Manual

Model: 2 Bay Raid

1. INTRODUCTION

This user manual provides comprehensive instructions for the Cenmate Dual Bay Hard Drive RAID Enclosure. This device is designed to provide reliable external storage for both individuals and businesses, supporting a maximum capacity of up to 40TB using 2.5-inch or 3.5-inch SATA HDDs and SSDs. Please read this manual carefully before using the product to ensure proper setup and operation.

2. PRODUCT OVERVIEW

2.1. What's in the Box

- Dual Bay Hard Drive RAID Enclosure
- USB A/C 3.0 Cable
- Power Adapter
- User Manual (this document)

2.2. Key Features

- **High Capacity:** Supports up to 40TB (20TB per hard drive) for 2.5/3.5-inch SATA HDD/SSD.
- **Multiple RAID Modes:** Supports RAID 0, RAID 1, Normal, and JBOD modes.
- **Efficient Cooling:** Built-in 2-inch fan and aluminum-alloy materials for superior heat dissipation. Note: Fan noise is approximately 40-50 decibels.
- **High-Speed Data Transfer:** Equipped with JMS561 chip and USB 3.0 output interface, offering up to 5Gbps under UASP control.
- **Wide Compatibility:** Plug and play with Windows 7 and above, Mac 9.1 and above, and Linux. Includes USB A/C 3.0 Cable.
- **Tool-Free Design:** Easy, screwless installation for 3.5-inch hard drives.
- **Stable Power Supply:** DC 12V power adapter ensures stable data transfer.
- **LED Indicators:** Blue indicates standby mode, red flashing indicates reading and writing activity.

- **Silicone Anti-skid Pad:** Wear-resisting and skidproof for dock protection.

2.3. Product Visuals

Front view of the Cenmate Dual Bay Hard Drive RAID Enclosure, showing the two drive bays.

Illustration highlighting the 40TB large capacity, supporting two 20TB 2.5/3.5-inch SATA HDD/SSD drives.

Image demonstrating the maximum 5Gbps data transfer speed, allowing data transfer in seconds.
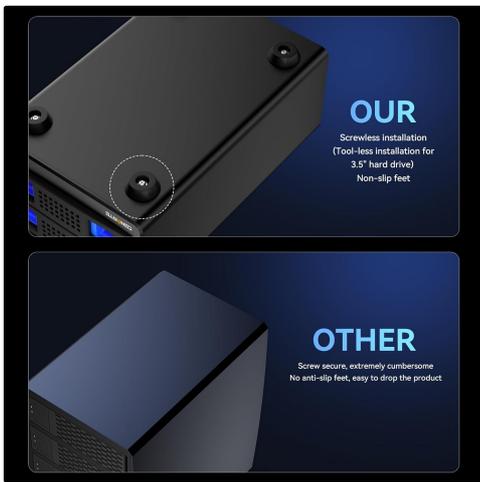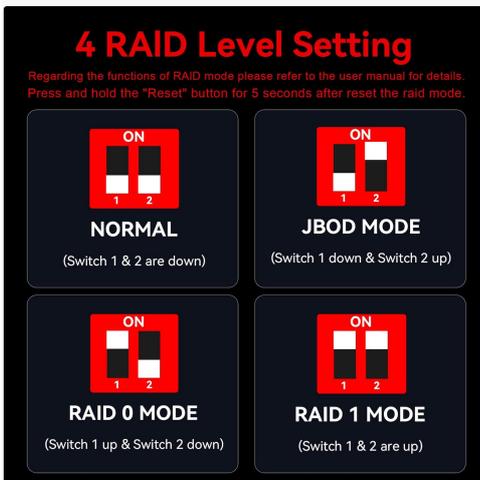
OUR

Screwless installation
(Tool-less installation for
3.5" hard drive)
Non-slip feet

OTHER

Screw secure, extremely cumbersome
No anti-slip feet, easy to drop the product

Diagram showing the internal upgraded built-in cooling fan and aluminum housing for heat dissipation.

4 RAID Level Setting

Regarding the functions of RAID mode please refer to the user manual for details.
Press and hold the "Reset" button for 5 seconds after reset the raid mode.

NORMAL
(Switch 1 & 2 are down)

JBOD MODE
(Switch 1 down & Switch 2 up)

RAID 0 MODE
(Switch 1 up & Switch 2 down)

RAID 1 MODE
(Switch 1 & 2 are up)

Comparison showing the tool-free, screwless installation for 3.5-inch hard drives and the non-slip feet on the enclosure.

DC 12V
Ensure the stable power supply
Provide safe data transfer environment

12V

Illustration of the enclosure's wide compatibility with laptops and PCs, supporting 3.5" HDD, 2.5" HDD, and 2.5" SSD.

Plug and play
Wide compatibility

Devices	Systems
Laptop PC	Windows Mac OS Linux

Image showing the DC 12V power supply connection, ensuring a stable power and safe data transfer environment.

Upgraded Built-in Cooling Fan and Aluminum housing

NOTE: Fan noise is around 40–50 decibels
not recommended if you are very sensitive to noise

Diagram illustrating the four RAID modes: Normal, JBOD, RAID 0, and RAID 1, with corresponding switch settings.

Q1
After connecting new hard drive to the computer,
why can't I find the hard drive and display the disc letter?

After the new hard drive is connected to the computer, it must be formatted before the system can be recognised and used. Method of operation: First, right-click 'Computer', then click 'Management', open into the 'Disk Management', find the new hard drive, right-click 'Initialisation 'Select 'MBR (hard drive capacity less than or equal to 2TB)' or 'GPT (greater than 2TB)', then 'New Simple Volume', the default next step to format the partition. Formatting is completed after the hard drive can be used normally, showing the new disc symbols.

Q2
The hard drive appears in RAW format in Disk Management due to improper extraction or power failure. What should I do?

Recovery through the chkdsk command; operation method: administrator identity run cmd input CHKDSK:/f enter (here the i is the disc letter of the disk), scanning and repair is complete reboot can be displayed.

Image explaining the LED indicators: Blue for standby mode, Red flashing for reading and writing.

Close-up of the silicone anti-skid pads on the bottom of the enclosure, designed for wear-resistance and protection.

Regarding the functions of RAID modeplease refer to the user manual for details

NORMAL	JBOD MODE
(Switch 1 & 2 are down)	(Switch 1 down & Switch 2 up)

4 RAID Level Setting
Press and hold the "Reset" button for 5 seconds after reset the raid mode.

RAID 0 MODE	RAID 1 MODE
(Switch 1 up & Switch 2 down)	(Switch 1 & 2 are up)

Image of the included 2-in-1 USB cable,

featuring both USB-A and USB-C connectors for
wide device compatibility.

3. SETUP INSTRUCTIONS

3.1. Installing Hard Drives

1. Gently pull out the drive tray from the enclosure.

2. For 3.5-inch HDDs: Pull up the blue clasps on both sides of the bracket and gently place the hard disk into the tray. The tool-free design secures the drive.

3. For 2.5-inch SSDs/HDDs: Use a screwdriver to open the blue clasp on the side of the tray. Place the 2.5-inch drive into the tray and secure it with screws (provided).

4. Slide the loaded drive tray back into the enclosure until it clicks into place.

3.2. Connecting the Enclosure

1. Connect the power adapter to the enclosure's DC 12V input port and plug it into a power outlet.

2. Connect the provided USB A/C 3.0 cable from the enclosure's USB 3.0 output interface to your computer's USB port.

3. Turn on the enclosure using the power switch.

3.3. Initializing and Formatting Drives

After connecting a new hard drive to your computer, it must be formatted before the system can recognize and use it. Follow these steps:

1. Right-click 'Computer' (or 'This PC') and select 'Manage'.

2. Open 'Disk Management'.

3. Find the new hard drive. Right-click on it and select 'Initialize Disk'. Choose 'MBR' for hard drives less than or equal to 2TB, or 'GPT' for hard drives greater than 2TB.

4. Right-click the unallocated space on the new disk and select 'New Simple Volume'. Follow the wizard to format the partition.

5. Once formatting is complete, the hard drive can be used normally and will appear with a new disk symbol.

4. OPERATING INSTRUCTIONS

4.1. RAID Mode Configuration

The enclosure supports four RAID modes: Normal, JBOD, RAID 0, and RAID 1. The mode is set using DIP switches on the back of the unit. **Note: Designing or resetting a RAID array may result in data loss. Back up important data before changing RAID modes.**

Diagram illustrating the four RAID modes: Normal, JBOD, RAID 0, and RAID 1, with corresponding switch settings.

- **Normal Mode:** (Switch 1 & 2 are down) Each drive operates independently.
- **JBOD Mode:** (Switch 1 down & Switch 2 up) Drives are concatenated to form a single large volume.
- **RAID 0 Mode:** (Switch 1 up & Switch 2 down) Data is striped across both drives for increased performance. No redundancy.
- **RAID 1 Mode:** (Switch 1 & 2 are up) Data is mirrored across both drives for redundancy. Capacity is limited to the smallest drive.

After setting the desired RAID mode using the DIP switches, press and hold the

Related Documents - 2 Bay Raid

[CENMATE 802RU 2-Bay RAID HDD Enclosure User Manual](#)
User manual for the CENMATE 802RU, a 2-bay RAID HDD enclosure supporting USB 3.0 to SATA connections. Includes setup, OS support, partitioning, formatting, and product specifications.

	[Cenmate 804U3RAID3G 4-Bay External RAID Hard Drive Enclosure User Manual](#) Comprehensive user manual for the Cenmate 804U3RAID3G 4-bay external RAID hard drive enclosure. Covers installation, setup, product specifications, various RAID levels (RAID 0, 1, 5, 10, JBOD, Clone, Normal), troubleshooting, and technical support. Supports 2.5/3.5 inch SATA HDDs and SSDs.
CENMATE 2 Bay External Hard Drive RAID Enclosure for 2.5/3.5" SATA HDD/SSD PRODUCT INSTRUCTION　　Model: 802RU	[CENMATE 802RU 2 Bay External Hard Drive RAID Enclosure User Manual](#) This document provides product instructions and specifications for the CENMATE 802RU 2 Bay External Hard Drive RAID Enclosure for 2.5/3.5" SATA HDDs/SSDs. It covers features, installation, troubleshooting, and RAID level settings.
	[Cenmate 804PM6G 4-Bay Non-RAID Hard Drive Enclosure User Manual](#) User manual for the Cenmate 804PM6G 4-bay non-RAID hard drive enclosure, detailing product specifications, installation steps, and troubleshooting.
	[Cenmate 802RU 2-Bay External Hard Drive RAID Enclosure User Manual](#) Comprehensive user manual for the Cenmate 802RU 2-Bay External Hard Drive RAID Enclosure, covering installation, RAID configurations (RAID 0, RAID 1, JBOD, Normal), drive formatting, troubleshooting, and safety guidelines.
CENMATE 8 Bay USB 3.0 5Gbps Type-C Hard Drive Enclosure(Non-RAID) Model: 808TC User Manual	[CENMATE 808TC 8 Bay USB 3.0 Type-C Hard Drive Enclosure User Manual](#) User manual for the CENMATE 808TC, an 8-bay USB 3.0 5Gbps Type-C hard drive enclosure. Features include tool-free installation, hot-swappable trays, and aluminum construction for cooling. Learn about setup, configuration, and troubleshooting.