

cenmate 8 Bay No Raid

CENMATE 8 Bay Hard Drive Enclosure User Manual

Model: 8 Bay No Raid

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1. INTRODUCTION

Thank you for choosing the CENMATE 8 Bay Hard Drive Enclosure. This manual provides detailed instructions for the proper installation, operation, and maintenance of your device. Please read this manual thoroughly before use to ensure optimal performance and data safety.

2. PRODUCT OVERVIEW

The CENMATE 8 Bay Hard Drive Enclosure is designed to provide external storage for up to eight 2.5-inch or 3.5-inch SATA HDDs/SSDs, supporting a total capacity of up to 160TB (20TB per bay). It features a USB A/C 3.0 interface for high-speed data transfer and a built-in cooling fan to maintain optimal drive temperatures.

2.1 Key Features

- **8 Bay Design:** Accommodates up to eight 2.5"/3.5" SATA HDDs/SSDs.
- **High Capacity:** Supports individual drives up to 20TB, for a total of 160TB.
- **Fast Data Transfer:** USB 3.0 interface provides data transfer speeds up to 5Gbps.
- **Efficient Cooling:** Integrated cooling fan ensures stable operating temperatures for your drives.
- **Durable Construction:** Aluminum housing for enhanced heat dissipation and protection.
- **Tool-less Installation:** Designed for easy, screwless installation of 3.5" drives.
- **Wide Compatibility:** Compatible with Windows, Mac OS, and Linux operating systems, and various devices including laptops, PCs, routers, and smart TVs.
- **Stable Power Supply:** DC 12V/20A power adapter ensures reliable operation.

2.2 Package Contents

- CENMATE 8 Bay Hard Drive Enclosure
- USB A/C 3.0 Cable

- DC 12V/20A Power Adapter
- User Manual
- Screws (for 2.5" drives or if 3.5" drive protrusions conflict)
- Screwdriver

2.3 Product Diagram



Figure 1: Front view of the CENMATE 8 Bay Hard Drive Enclosure, showing 8 drive bays.

160TB Large Capacity



2.5"/3.5"
SATA HDD/SSD



MAX UP TO
20TB X 8

160 TB



Figure 2: Illustration highlighting the 160TB large capacity (8 x 20TB drives).

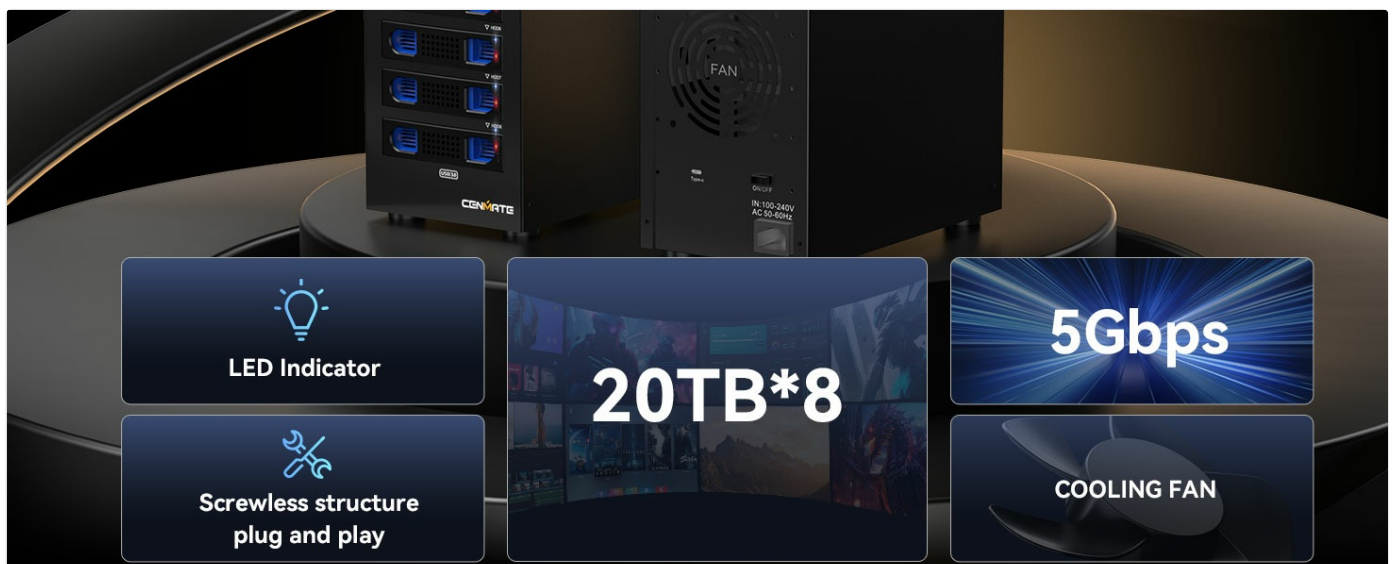


Figure 3: Overview of key features including LED indicators, 20TB*8 capacity, 5Gbps speed, screwless structure, and cooling fan.

3. SETUP INSTRUCTIONS

3.1 Installing Hard Drives

1. Gently pull out a drive tray from the enclosure.
2. For 3.5" HDDs:
 - Align the 3.5" HDD with the tray. The tray is designed for tool-less installation with plastic spring tabs.
 - Insert the HDD into the tray until it clicks securely into place.
 - **Important Note:** If the protrusions on the tray conflict with your 3.5" hard drive, you may need to cut off the plastic protrusions or unplug the blue tabs and secure the drive using screws. Refer to Figure 4.
3. For 2.5" HDDs/SSDs:
 - Place the 2.5" drive onto the tray and align the screw holes.
 - Secure the 2.5" drive to the tray using the provided screws and screwdriver.
4. Slide the loaded drive tray back into the enclosure until it locks into position.
5. Repeat for all desired drives.

PLEASE NOTE:

When the protrusions of the tray conflict with the hard drive, cut off the protrusions or unplug the blue tabs and install the hard drive using the screws.

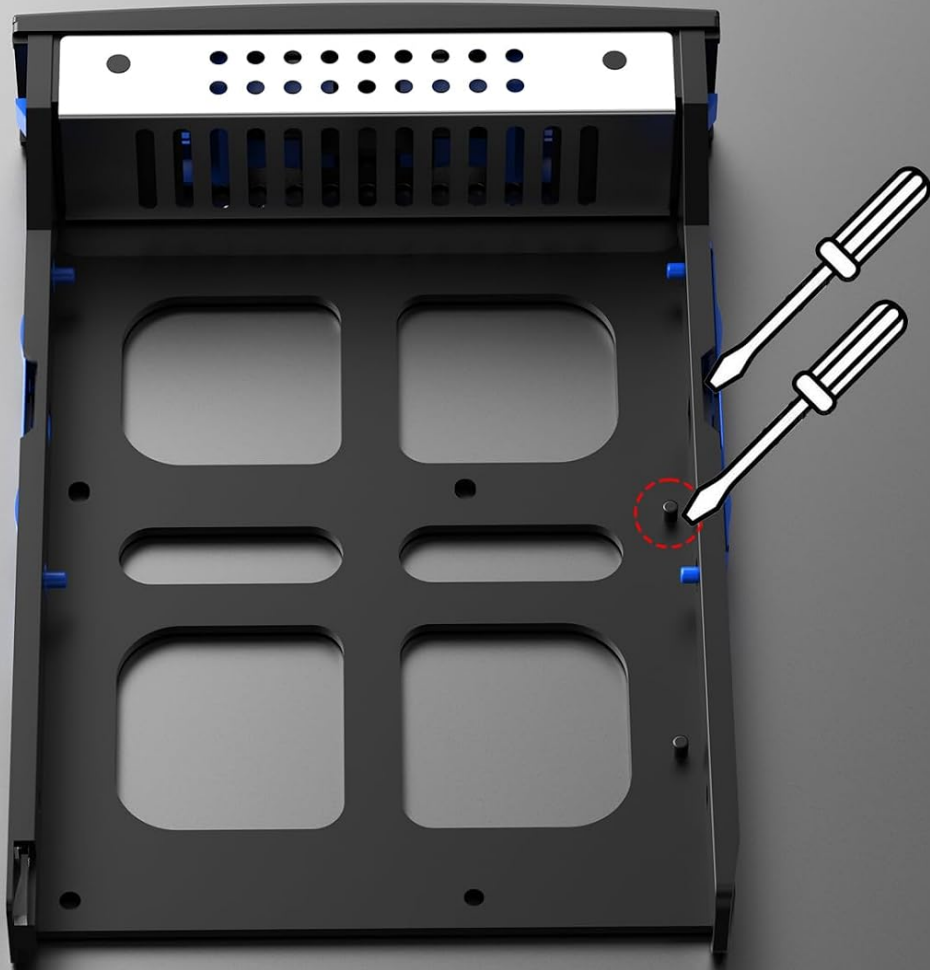


Figure 4: Guidance on modifying drive trays if protrusions interfere with 3.5" drive installation.



Figure 5: Detail showing the screwless installation mechanism for 3.5" drives and non-slip feet.

3.2 Connecting to a Computer

1. Connect one end of the provided USB A/C 3.0 cable to the USB port on the back of the enclosure.
2. Connect the other end of the USB A/C 3.0 cable to an available USB 3.0 (or higher) port on your computer.

3.3 Powering On

1. Connect the DC 12V/20A power adapter to the power input port on the back of the enclosure.
2. Plug the power adapter into a wall outlet.
3. Press the power button on the enclosure. The power indicator light should illuminate.
4. Your computer should detect the new drives. For new drives, you may need to initialize and format them through your operating system's Disk Management utility (Windows) or Disk Utility (Mac OS).

DC 12V/20A

Ensure the stable power supply
Provide safe data transfer environment



Figure 6: The enclosure connected to a laptop, illustrating the DC 12V/20A power supply connection.

Plug and Play Wide Compatibility



Figure 7: The enclosure demonstrating plug-and-play functionality and wide compatibility with various devices and operating systems.

4. OPERATING INSTRUCTIONS

4.1 LED Indicators

- **Blue LED:** Indicates standby mode or power on.
- **Red Flashing LED:** Indicates data reading or writing activity on the corresponding drive bay.



Figure 8: Explanation of the blue (standby) and red flashing (read/write) LED indicators.

4.2 Data Transfer

Once the drives are recognized by your operating system, you can access them like any other external storage device. Drag and drop files, or use your preferred backup software to manage your data. The USB 3.0 interface ensures fast transfer speeds for large files.



Figure 9: Visual representation of the maximum 5Gbps data transfer speed.

4.3 Safe Removal

Always safely eject the hard drives from your operating system before disconnecting the enclosure or powering it off to prevent data corruption. This is typically done via the "Safely Remove Hardware" icon in the Windows taskbar or by dragging the drive icon to the Trash/Eject on Mac OS.

5. MAINTENANCE

5.1 Cooling System

The enclosure features a built-in cooling fan to dissipate heat generated by the hard drives. Ensure that the fan vents on the back of the enclosure are not obstructed to allow for proper airflow. Regularly check for dust accumulation and clean gently if necessary to maintain efficient cooling.

Better security for your data

Upgraded Built-in Cooling Fan and Aluminum housing



Figure 10: Illustration of the built-in cooling fans for data security and heat management.

5.2 General Care

- Keep the enclosure in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the enclosure to strong impacts.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.
- The enclosure is equipped with silicone anti-skid pads on the bottom to prevent movement and protect surfaces.

Silicone Anti-skid Pad

Wear-resisting, skidproof and protecting the dock against damage

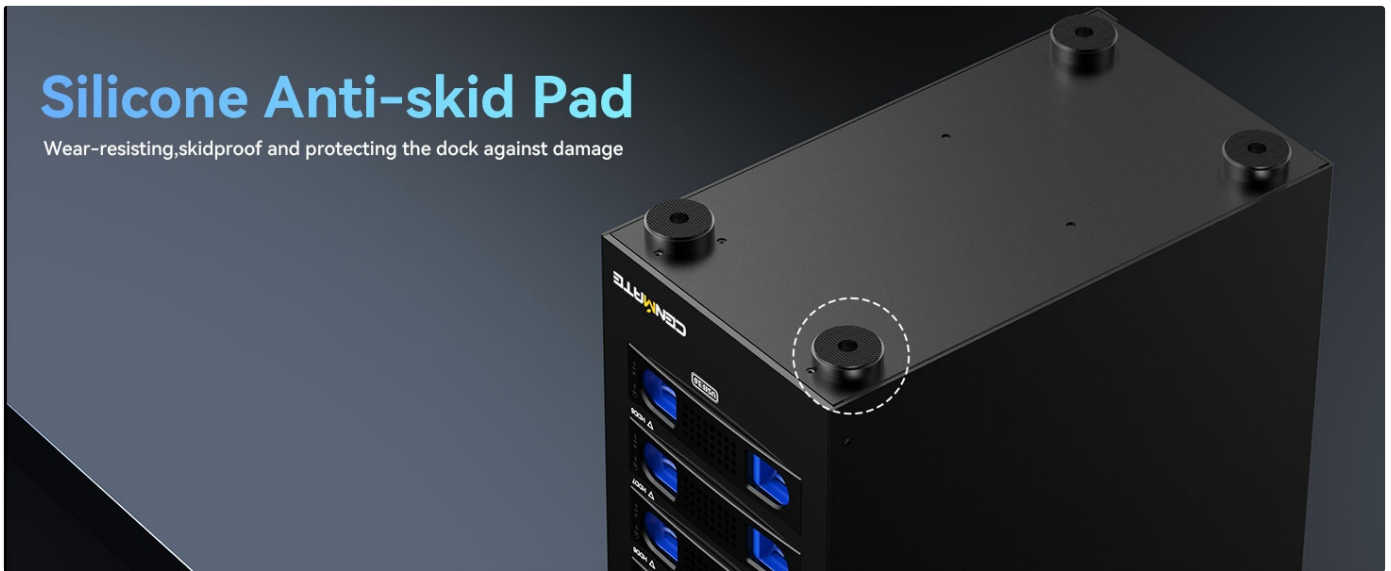


Figure 11: Detail of the silicone anti-skid pads on the base of the enclosure.

6. TROUBLESHOOTING

6.1 Drives Not Detected

- **Check Connections:** Ensure all cables (USB and power) are securely connected to both the enclosure and the computer/power outlet.
- **Power On:** Verify that the enclosure is powered on and the power indicator light is illuminated.
- **Drive Seating:** Make sure each hard drive is properly seated in its tray and the tray is fully inserted into the bay.
- **New Drives:** If using new drives, they may need to be initialized and formatted through your operating system's Disk Management (Windows) or Disk Utility (Mac OS).
- **USB Port:** Try connecting to a different USB port on your computer.
- **Power Adapter:** Ensure you are using the provided DC 12V/20A power adapter.

6.2 Slow Data Transfer Speeds

- **USB 3.0 Connection:** Ensure the enclosure is connected to a USB 3.0 (or higher) port on your computer. Connecting to a USB 2.0 port will result in slower speeds.
- **Cable Quality:** Use the provided high-quality USB A/C 3.0 cable.
- **Drive Performance:** The actual transfer speed can be limited by the speed of the installed hard drives themselves.

6.3 Drive Corruption or Instability

- **Safe Ejection:** Always safely eject drives before disconnecting or powering off the enclosure. Unexpected disconnections can lead to data corruption.
- **Power Stability:** Ensure the power supply is stable. Use a surge protector if power fluctuations are common in your area.
- **Drive Health:** Check the health of your individual hard drives using diagnostic tools. A failing drive can cause instability.
- **Cooling:** Ensure the cooling fan is operating correctly and vents are clear to prevent overheating, which can impact drive stability.

7. SPECIFICATIONS

Model Number	8 Bay No Raid
Brand	cenmate
Compatible Devices	Laptop, PC, Router, Smart TV
Hard Disk Form Factor	2.5 Inches, 3.5 Inches
Max Number of Supported Devices	8
Max Capacity Per Drive	20 TB
Total Max Capacity	160 TB
Data Transfer Rate	5 Gigabits Per Second (USB 3.0)
Hardware Interface	USB, USB 3.2 Gen 2 (Note: Product title says USB 3.0, specifications say USB 3.2 Gen 2. Using 5Gbps from title/images)
Hardware Platform	Windows, Mac OS, Linux
Material	Aluminum
Product Dimensions	16.3 x 7.8 x 13 inches
Item Weight	12.16 pounds
Power Supply	DC 12V/20A

8. WARRANTY AND SUPPORT

CENMATE is committed to providing high-quality products and excellent service. For any product issues or technical assistance, our professional technical staff are available to provide efficient solutions.

Please refer to the contact information provided with your purchase or visit the official CENMATE website for support details. We offer lifetime product quality support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question