

cenmate 2 Bay

CENMATE Aluminum Dual Bay Hard Drive Enclosure User Manual

Model: 2 Bay (802U3-5G)

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your CENMATE Aluminum Dual Bay Hard Drive Enclosure. This device is designed to provide reliable external storage for 2.5-inch and 3.5-inch SATA HDDs/SSDs, supporting a maximum capacity of up to 20TB per hard drive.

Key features include:

- Support for 2.5"/3.5" SATA HDD/SSD, up to 20TB per drive.
- Built-in cooling fan and aluminum housing for efficient heat dissipation.
- USB 3.0 output interface with data transfer rates up to 5Gbps.
- Hot-swappable drive support for convenience.
- Tool-free installation for easy drive insertion and removal.
- Daisy chain expansion capability for increased storage.
- Wide compatibility with Windows, Mac, and Linux operating systems.



Figure 1: Front view of the CENMATE Dual Bay Hard Drive Enclosure.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- CENMATE Dual Bay Hard Drive Enclosure (NO RAID)
- USB A/C 3.0 Cable
- Power Adapter
- User Manual (this document)
- Screws and a small screwdriver (for securing drives, if preferred, though tool-free is supported)

3. SETUP AND INSTALLATION

3.1. Drive Installation (Tool-Free)

1. Ensure the enclosure is powered off and disconnected from your computer.
2. Gently pull out the drive trays from the front of the enclosure. The design allows for tool-free installation.
3. Insert your 2.5-inch or 3.5-inch SATA HDD/SSD into the tray. Ensure the SATA connectors align correctly. For 3.5-inch drives, the tool-free mechanism will secure them. For 2.5-inch drives, you may use the provided screws for added stability if desired.
4. Slide the loaded drive tray back into the enclosure until it clicks into place.

Excellent Data Management



Figure 2: Illustrates the tool-free installation process for hard drives.

40TB Large Capacity



2.5"/3.5"
SATA HDD/SSD



MAX UP TO
20TB X 2

40 TB



Figure 3: The enclosure with hard drives installed, demonstrating its large capacity capability.

3.2. Connecting to Your 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 cable to an available USB 3.0 (or higher) port on your computer (desktop or laptop).

Plug and play

Wide compatibility



Devices



Laptop

PC

Systems

Windows Mac OS Linux

Figure 4: The enclosure connected to a laptop, highlighting its plug-and-play compatibility with various systems.

3.3. Power Connection

1. Connect the power adapter to the DC 12V power input port on the back of the enclosure.
2. Plug the power adapter into a standard electrical outlet.
3. The enclosure will power on automatically, and the drive indicator lights will illuminate.

DC 12V

Ensure the stable power supply
Provide safe data transfer environment



Figure 5: The enclosure connected to its 12V power supply, ensuring stable data transfer.

4. OPERATING INSTRUCTIONS

4.1. Data Transfer

The enclosure utilizes a USB 3.0 interface, providing data transfer speeds of up to 5Gbps. This allows for rapid transfer of large files, such as 1GB files in 3-5 seconds.

MAX 5GBPS

Transfer Datas in seconds



Figure 6: Visual representation of the enclosure's high-speed 5Gbps data transfer capability.

4.2. Hot Swappable Functionality

The CENMATE enclosure supports hot swapping, meaning you can insert or remove hard drives without needing to power down the device or your computer. This enhances convenience for data management. Always ensure that data transfer to or from a drive is complete before removing it.

4.3. Daisy Chain Expansion

The enclosure features a USB HOST port, enabling daisy chain expansion. You can connect up to three CENMATE enclosures in a chain to expand your total storage capacity up to 120TB. Each device in the daisy chain requires its own power connection.

Daisy Chain Extension, Extreme Scaling

High-speed transmission + memory



Figure 7: Demonstrates the daisy chain expansion feature, allowing multiple enclosures to be connected for increased storage.



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

Figure 8: Rear view illustrating the connection points for daisy-chaining multiple enclosures for enhanced data management.

4.4. Cooling Fan Operation

The enclosure includes a built-in cooling fan to maintain optimal operating temperatures for your hard drives, maximizing data security and drive longevity. The fan noise level is approximately 40-50 decibels. Users who are highly sensitive to noise should consider this aspect.

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

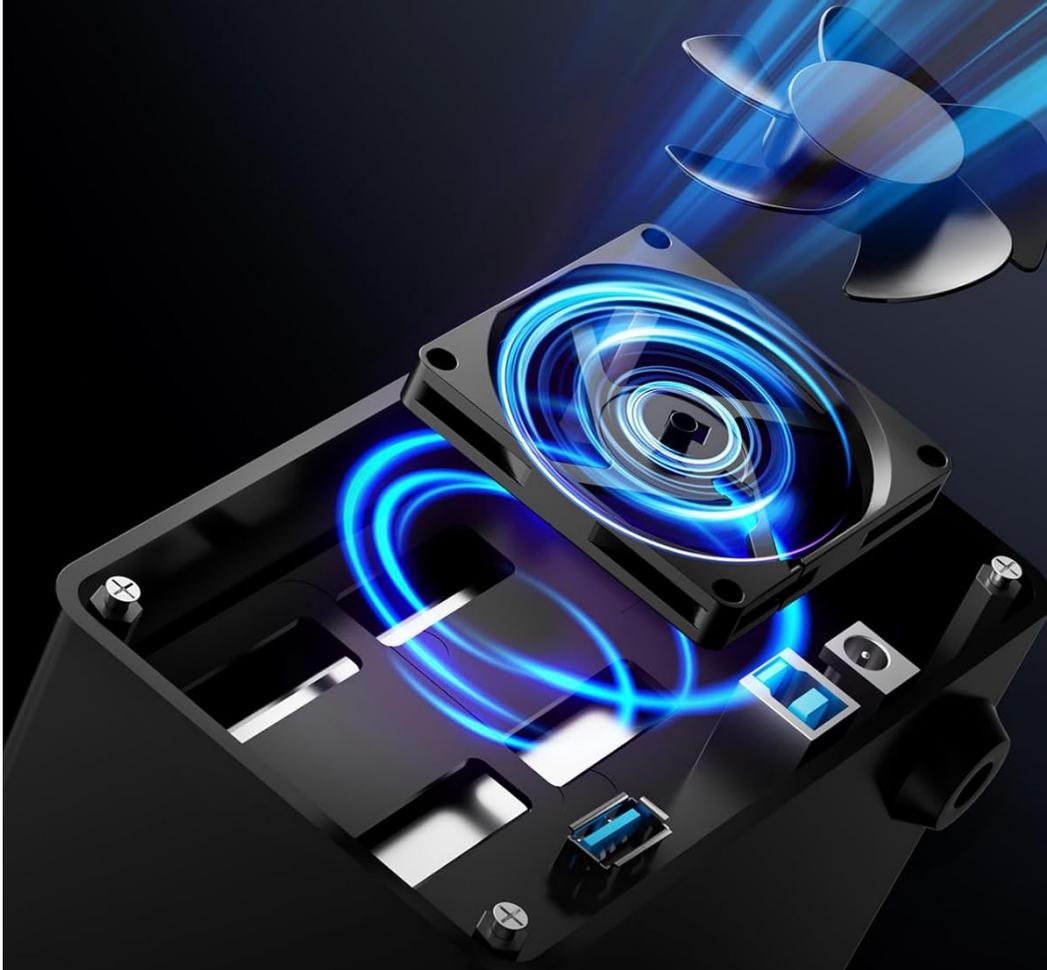


Figure 9: An internal view highlighting the upgraded built-in cooling fan and aluminum housing for heat dissipation.

5. MAINTENANCE

To ensure the longevity and optimal performance of your CENMATE enclosure, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the enclosure. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the cooling fan vents are not obstructed to allow for proper airflow.
- **Environment:** Operate the enclosure in a well-ventilated area, away from direct sunlight, excessive heat, or moisture.

6. TROUBLESHOOTING

If you encounter issues with your CENMATE Hard Drive Enclosure, please refer to the following common solutions:

- **Drive Not Detected:**
 - Ensure the power adapter is securely connected and the enclosure is powered on.

- Verify that the USB cable is firmly connected to both the enclosure and your computer.
- Try connecting the enclosure to a different USB port on your computer.
- Check if the hard drive is properly seated in its tray.
- For new drives, ensure they are initialized and formatted in your operating system's Disk Management (Windows) or Disk Utility (Mac).

- **Slow Data Transfer:**

- Ensure you are connected to a USB 3.0 (or higher) port on your computer. USB 2.0 ports will result in significantly slower speeds.
- Check the health and speed of the installed hard drive(s).
- Avoid running multiple high-bandwidth applications simultaneously during transfers.

- **Enclosure Overheating:**

- Ensure the enclosure's fan vents are clear of obstructions.
- Operate the device in a well-ventilated area.

If the issue persists, please contact CENMATE technical support as detailed in the "Warranty and Support" section.

7. SPECIFICATIONS

Feature	Description
Model	2 Bay (802U3-5G)
Supported Drives	2.5" / 3.5" SATA HDD/SSD
Max Capacity per Drive	Up to 20TB
Total Max Capacity	40TB (2 x 20TB)
Interface	USB 3.0 (USB A/C compatible)
Data Transfer Rate	Up to 5Gbps
Material	Aluminum Alloy
Cooling	Built-in Cooling Fan
Dimensions (L x W x H)	20.2 x 13.2 x 8.8 cm
Item Weight	0.96 kg
Compatibility	Windows 7 and above, Mac 9.1 and above, Linux
Power Supply	DC 12V Power Adapter

8. WARRANTY AND SUPPORT

CENMATE provides friendly technical support for its products. If you have any questions about the CENMATE Aluminum Dual Bay Hard Drive Enclosure or encounter any issues, please do not hesitate to contact us. We are committed to replying and solving your problem within 24 hours.

For support, please refer to the contact information provided on the official CENMATE website or the product packaging.

Related Documents - 2 Bay

  2 Bay External Hard Drive Enclosure for 2.5/3.5" SATA HDD/SSD PRODUCT INSTRUCTION Model: 802U3-5G	<p>Cenmate 2 Bay External Hard Drive Enclosure 802U3-5G User Manual</p> <p>User manual and product instructions for the Cenmate 2 Bay External Hard Drive Enclosure for 2.5/3.5" SATA HDDs/SSDs, model 802U3-5G. Includes installation, partitioning, formatting, features, troubleshooting, and cautions.</p>
  4 Bay Hard Drive Enclosure PRODUCT INSTRUCTION Model: 804U3-5G	<p>CENMATE 804U3-5G 4 Bay Hard Drive Enclosure User Manual</p> <p>This document provides product instructions and technical specifications for the CENMATE 804U3-5G 4 Bay Hard Drive Enclosure, including installation guides and troubleshooting tips.</p>
  3 Bay Hard Drive Enclosure PRODUCT INSTRUCTION Model: 803U3-5G	<p>CENMATE 803U3-5G 3 Bay Hard Drive Enclosure User Manual and Installation Guide</p> <p>Detailed instructions and specifications for the CENMATE 803U3-5G 3 Bay Hard Drive Enclosure, covering installation, partitioning, formatting, features, and troubleshooting.</p>
	<p>Cenmate 804PM6G 4-Bay Non-RAID Hard Drive Enclosure User Manual</p> <p>User manual for the Cenmate 804PM6G 4-bay non-RAID hard drive enclosure, detailing product specifications, installation steps, and troubleshooting.</p>
  6 Bay Hard Drive Enclosure PRODUCT INSTRUCTION Model: 806TC-10G	<p>CENMATE 806TC-10G 6 Bay Hard Drive Enclosure Product Instruction</p> <p>Product instruction manual for the CENMATE 806TC-10G 6 Bay Hard Drive Enclosure, detailing installation, partitioning, formatting, specifications, troubleshooting, and manufacturer information.</p>



[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.