

Yottamaster DR2RC3-25

Yottamaster 2 Bay RAID Hard Drive Enclosure
USER MANUAL

Model: DR2RC3-25 | Brand: Yottamaster

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Yottamaster 2 Bay RAID Hard Drive Enclosure. Please read this manual carefully before using the product to ensure proper functionality and to maximize its lifespan. This enclosure is designed to provide high-speed data transfer and flexible storage solutions for your 2.5-inch SATA HDDs and SSDs.

Product Overview



Front view of the Yottamaster 2 Bay RAID Hard Drive Enclosure, showcasing its aluminum design and ventilation.

Mac Style 2.5" RAID Hard Drive Enclosure



The enclosure positioned next to a laptop, illustrating its compact size and dimensions (166mm x 111mm x 48mm).

Key Features

- **High-Speed Data Transfer:** Supports USB3.1 Gen2 with 10Gbps transfer rate and UASP protocol for accelerated speeds.
- **Large Storage Capacity:** Accommodates two 2.5-inch SATA HDDs/SSDs, supporting up to 8TB total (4TB per disk).
- **RAID Modes:** Supports RAID 0 (Striping for speed), RAID 1 (Mirroring for data security), SPAN (Concatenation for mass storage), and PM (Port Multiplier for independent disks).
- **Efficient Heat Dissipation:** Constructed with an all-aluminum shell and meteor radiators for optimal air ventilation and heat management.
- **Broad Compatibility:** Compatible with Windows, Mac OS, and Linux systems. Designed to complement Mac computers.
- **Power Supply:** Includes a 5V/2A external power adapter for stable operation.
- **Auto-Sleep Function:** Automatically enters sleep mode after 10 minutes of data inactivity to save energy and extend HDD life.

Setup Guide

1. Hardware Installation

Before installing your hard drives, ensure they are 2.5-inch SATA HDDs or SSDs with a thickness of 7mm, 9mm, or 12.5mm. It is recommended to initialize new drives before installation if you plan to use them in PM mode.

1. Carefully slide open the enclosure's front panel to reveal the drive bays.
2. Insert your 2.5-inch SATA HDD/SSD into the drive tray. Ensure the SATA connectors align correctly.
3. Secure the drive to the tray using the provided screws.
4. Slide the assembled drive tray into one of the enclosure's bays until it clicks into place. Repeat for the second drive.
5. Close the enclosure's front panel securely.

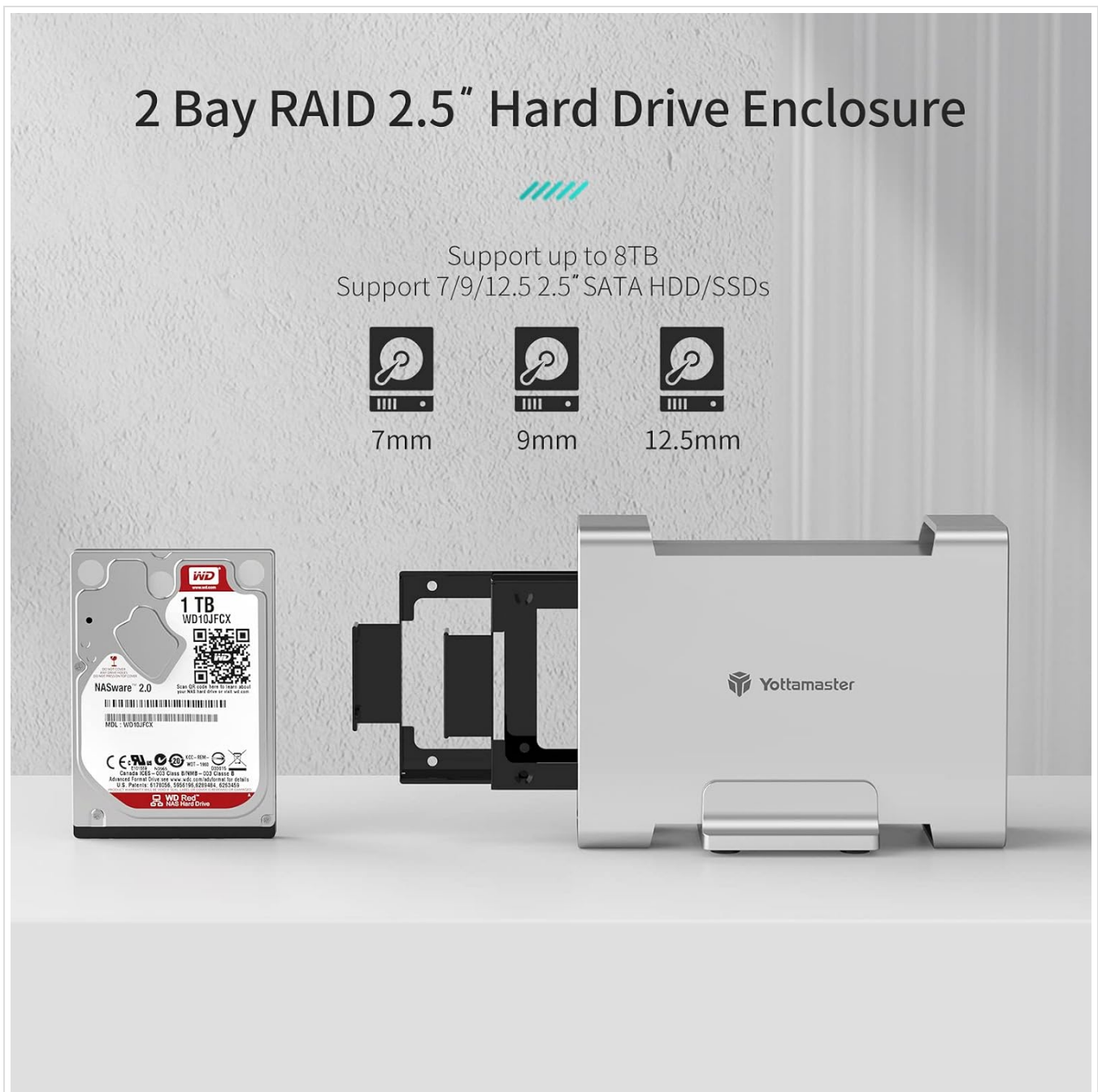


Illustration of the enclosure supporting 7mm, 9mm, and 12.5mm 2.5-inch SATA HDDs/SSDs.



The enclosure with its front panel detached, showing the internal drive bays ready for disk installation.



A 2.5-inch hard drive securely mounted onto its dedicated tray, ready for insertion into the enclosure.



A screw being inserted into the top of the enclosure, indicating the method for securing the internal components or drives.

2. Connecting to Your Computer

1. Connect the provided USB-C cable from the enclosure's Type-C port to an available USB port on your computer.
2. Connect the 5V/2A external power adapter to the enclosure's power input port and then plug it into a power outlet. Ensure the power switch on the back of the enclosure is in the "ON" position.

5V 2A External Power Supply



Ensure stable running of multiple hard drives



The enclosure with its USB-C data cable and 5V/2A power adapter connected, illustrating proper power delivery.

Better Heat Dissipation Performance



All Aluminum Structure, Front and Rear Cooling Holes



Rear view of the enclosure highlighting the Type-C port, power input, and the RAID configuration switches.

3. RAID Configuration

The enclosure supports PM (Port Multiplier), RAID 0, RAID 1, and SPAN modes. The desired RAID mode is set using the switches located at the rear of the enclosure. **Changing the RAID mode will erase all data on the drives. Ensure you back up any critical data before making changes.**

RAID Mode Settings and Characteristics

RAID Mode	Switch 1	Switch 2	Description	Storage Capacity	Data Security	Speed
PM (Port Multiplier)	OFF	OFF	Drives appear as independent disks.	Full sum of individual drive capacities	Low (No redundancy)	Standard

RAID Mode	Switch 1	Switch 2	Description	Storage Capacity	Data Security	Speed
RAID 0 (Striping)	ON	OFF	Data is striped across both drives for maximum speed. No redundancy.	Full sum of individual drive capacities	None (Data loss if one drive fails)	Highest
RAID 1 (Mirroring)	OFF	ON	Data is mirrored across both drives for redundancy.	Capacity of smallest drive	High (Data protected if one drive fails)	Standard
SPAN (Concatenation)	ON	ON	Drives are combined into a single large volume. No redundancy.	Full sum of individual drive capacities	None (Data loss if one drive fails)	Standard

Important: After setting the desired RAID mode using the switches, you must press and hold the "SET" button (usually a small recessed button requiring a paperclip) for a few seconds until the indicator lights confirm the change. Then, connect the enclosure to your computer. You may need to initialize and format the new volume through your operating system's Disk Management (Windows) or Disk Utility (macOS) before use.

RAID 0/1/SPAN/PM

Make choices at your needs



	RAID Mode	Storage Capacity	Data Security	Speed
 RAID 0	RAID 0			
 RAID 1	RAID 1			
 SPAN	JBOD(SPAN)			

Operating Instructions

Once the enclosure is set up and connected, your operating system should recognize it as an external storage device. You can then use it like any other hard drive for storing, accessing, and managing your files.

- **Plug and Play:** The enclosure supports hot-swapping and plug-and-play functionality, meaning you can connect and disconnect it without needing to restart your computer (ensure safe ejection procedures are followed).
- **Data Transfer:** Utilize the USB3.1 Gen2 Type-C connection for high-speed data transfers. Performance may vary based on your computer's USB port, cable quality, and the type of drives installed.
- **Auto-Sleep Function:** The enclosure is designed to automatically enter sleep mode after 10 minutes of inactivity. This feature conserves power and helps prolong the lifespan of your hard drives. The device will wake up automatically upon data access.



The enclosure illustrating its auto-sleep function, which activates after 10 minutes of inactivity to save energy.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid using liquid cleaners or aerosols directly on the device.
- **Ventilation:** Ensure the ventilation holes on the enclosure are not obstructed to allow for proper airflow and heat dissipation.
- **Handling:** Handle the enclosure with care. Avoid dropping it or subjecting it to strong impacts, as this can damage the internal drives and components.
- **Temperature:** Operate the enclosure in a well-ventilated area within recommended temperature ranges to prevent overheating.

Troubleshooting

Common Issues and Solutions

Problem	Possible Cause	Solution
Enclosure not recognized by computer	◦ Loose USB or power connection ◦ Incorrect RAID mode setting ◦ Drives not initialized/formatted ◦ Driver issue	◦ Check all cable connections (USB and power). ◦ Verify the RAID mode switches are set correctly and the "SET" button was pressed. ◦ For new drives or after RAID mode changes, initialize and format the disk(s) via Disk Management (Windows) or Disk Utility (macOS). ◦ Try a different USB port or cable. ◦ Ensure your operating system is up to date.
Slow data transfer speeds	◦ Connected to a slower USB port (e.g., USB 2.0) ◦ Cable quality ◦ Drive performance limitations ◦ RAID mode (RAID 1 is slower than RAID 0)	◦ Connect to a USB 3.0/3.1/3.2 Gen2 port for optimal speed. ◦ Use the provided high-quality USB-C cable. ◦ Ensure your drives are capable of high speeds (e.g., SSDs for maximum performance). ◦ Consider RAID 0 for speed-critical applications (note: no data redundancy).
Frequent disconnections	◦ Unstable power supply ◦ Loose cable connection ◦ Overheating	◦ Ensure the 5V/2A power adapter is securely connected and functioning. ◦ Check USB-C cable for damage or loose connection. ◦ Ensure proper ventilation around the enclosure.
Data loss after RAID mode change	◦ Expected behavior	◦ Changing RAID modes will erase data. Always back up data before reconfiguring RAID. ◦ For data security, consider RAID 1.

If you encounter issues not covered here, please refer to the Warranty and Support section for further assistance.

Specifications

Feature	Detail
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Feature	Detail
Brand	Yottamaster
Model Number	DR2RC3-25 (10Gbps & Type-C & 8TB)
Supported Drives	2 x 2.5" SATA HDD/SSD (7mm, 9mm, 12.5mm thickness)
Max Capacity	Up to 8TB total (4TB per disk)
Interface	USB 3.1 Gen2 Type-C (10Gbps)
RAID Modes	PM, RAID 0, RAID 1, SPAN
Material	Aluminum
Color	Black
Power Supply	5V/2A External Power Adapter
Compatibility	Windows, Mac OS, Linux
Dimensions (L x W x H)	Approx. 166mm x 111mm x 48mm
Package Dimensions	24.6 x 16.5 x 9.8 cm
Weight	930 g
First Available Date	5 Jan. 2022

Warranty and Support

Yottamaster provides an **18-month warranty** for this product, covering manufacturing defects and malfunctions under normal use. Additionally, lifetime technical support is available to assist you with any questions or issues you may encounter.

For technical assistance, warranty claims, or general inquiries, please contact Yottamaster support through their official website or the contact information provided with your product packaging. When contacting support, please have your product model number (DR2RC3-25) and purchase details ready.

Safety Warning: Do not repair, disassemble, or modify the product without permission. Unauthorized modifications may void your warranty and pose safety risks.

- ⚠ 警告：请勿擅自修理、拆卸或改装本产品。
- ⚠ Warning: Do not repair, disassemble or modify the product without permission.
- ⚠ Warnung: Reparieren, zerlegen oder modifizieren Sie das Produkt nicht ohne Genehmigung.
- ⚠ Attenzione: Non riparare, smontare o modificare il prodotto senza autorizzazione.
- ⚠ Avertissement : Ne pas réparer, démonter ou modifier le produit sans autorisation.
- ⚠ Advertencia: No repare, desmonte ni modifique el producto sin autorización.
- ⚠ Ostrzeżenie: Nie wolno naprawiać, demontować ani modyfikować produktu bez zezwolenia.
- ⚠ Waarschuwing: Repareer, demonteer of modificeer het product niet zonder toestemming.
- ⚠ Varning: Produkten får inte repareras, demonteras eller modifieras utan tillstånd.
- ⚠ Uyarı: İzin almadan ürünü onarmayın, parçalarına ayırmayın veya üzerinde değişiklik yapmayın.

A warning label emphasizing not to repair, disassemble, or modify the product without authorization.

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