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› Yottamaster DR2RU3-25 2-Bay USB 3.0 Aluminum RAID Hard Drive Enclosure User Manual

Yottamaster DR2RU3-25

Yottamaster DR2RU3-25 2-Bay USB 3.0 Aluminum RAID Hard Drive Enclosure

Model: DR2RU3-25 | Brand: Yottamaster

INTRODUCTION

The Yottamaster DR2RU3-25 is a high-performance 2-bay external hard drive enclosure designed for 2.5-inch SATA HDDs and SSDs. It supports USB 3.0 with UASP protocol for fast data transfer speeds up to 6Gbps and offers a total storage capacity of up to 8TB (4TB per single drive). This enclosure features RAID 0, RAID 1, and SPAN modes, allowing users to optimize for speed, data redundancy, or combined capacity. Constructed from durable aluminum, it ensures efficient heat dissipation and provides robust protection for your drives. It is compatible with Windows, Mac OS, and Linux operating systems.



Figure 1: Yottamaster DR2RU3-25 Enclosure - Front View

This image shows the sleek, aluminum design of the Yottamaster DR2RU3-25 enclosure, highlighting its compact form factor and perforated front panel for ventilation.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- Yottamaster DR2RU3-25 2-Bay Enclosure
- USB 3.0 Type-B to Type-A Cable
- 5V/2A Power Adapter
- Screws for HDD/SSD installation
- Screwdriver
- User Manual (this document)

1. Hard Drive Installation

1. Gently slide off the front panel of the enclosure to reveal the drive bays.
2. Insert your 2.5-inch SATA HDD/SSD into the drive bay. Ensure the SATA connector aligns correctly.



Figure 2: Hard Drive Installation

This image illustrates the process of inserting a 2.5-inch hard drive into one of the enclosure's bays. Note the QR code on the drive, which links to <http://qr.wdc.com/wdred> for product information.

3. Secure the hard drive using the provided screws and screwdriver.
4. Repeat for the second drive if applicable.
5. Slide the front panel back into place until it clicks securely.

2. Connecting to Power and Computer

1. Connect the 5V/2A power adapter to the DC input port on the back of the enclosure.
2. Plug the power adapter into a wall outlet.

3. Connect one end of the USB 3.0 cable to the Type-B port on the enclosure and the other end to an available USB 3.0 port on your computer.

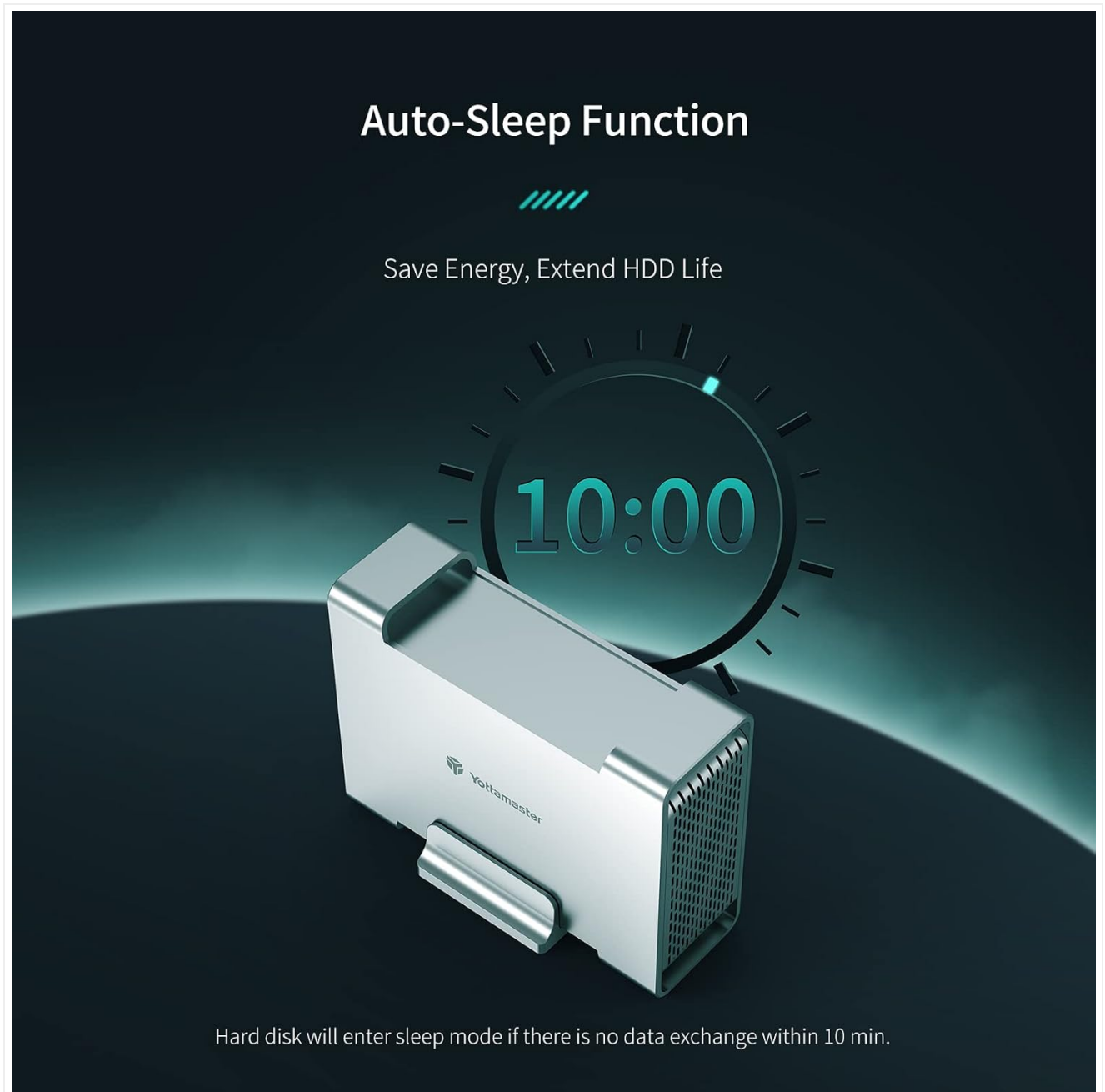


Figure 3: Power and USB Connection

This image demonstrates connecting the external 5V/2A power supply and the USB 3.0 cable to the enclosure's rear ports, ensuring stable operation.

5V 2A External Power Supply



Ensure stable running of multiple hard drives



Figure 4: Rear Panel Overview

A detailed view of the enclosure's rear panel, showing the USB Type-B port, power input, and the RAID configuration switches.

4. The enclosure will power on automatically. The LED indicators on the front will show the status of the drives.

OPERATING INSTRUCTIONS

1. RAID Mode Configuration

The Yottamaster DR2RU3-25 supports multiple RAID modes (PM, RAID 0, RAID 1, SPAN) which can be configured using the DIP switches on the rear panel. **Always back up your data before changing RAID modes, as this will erase all data on the drives.**



Figure 5: RAID DIP Switch Settings

This diagram illustrates the correct positions of the DIP switches (1 and 2) for each RAID mode: PM, RAID 0, RAID 1, and SPAN.

- **PM (Port Multiplier):** Each drive is recognized as an independent disk.
 - Switch 1: ON, Switch 2: ON
- **RAID 0 (Striping):** Combines both drives into a single volume for maximum speed and capacity. No data redundancy.
 - Switch 1: OFF, Switch 2: ON
- **RAID 1 (Mirroring):** Creates an exact copy of data on both drives for data redundancy. Capacity is limited to the smallest drive.
 - Switch 1: ON, Switch 2: OFF
- **SPAN (JBOD/Concatenation):** Combines both drives into a single large volume without striping or mirroring. Data is written sequentially.
 - Switch 1: OFF, Switch 2: OFF

After setting the DIP switches, power cycle the enclosure (unplug and replug the power adapter) for the new RAID configuration to take effect. You may need to initialize and format the new volume in your operating system's Disk Management utility (Windows) or Disk Utility (Mac OS).

RAID 0/1/SPAN/PM



Make choices at your needs



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

Figure 6: RAID Mode Comparison

This graphic visually compares the storage capacity, data security, and speed characteristics of RAID 0, RAID 1, and SPAN modes.

2. Data Transfer

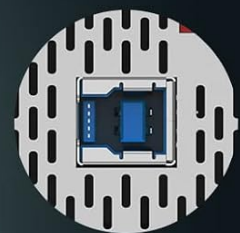
The enclosure utilizes USB 3.0 technology, providing data transfer speeds up to 5Gbps (6Gbps theoretical maximum for SATA III). It also supports the UASP (USB Attached SCSI Protocol) for enhanced performance, especially with SSDs.

USB3.0 5Gbps Transfer Speed



Support UASP Protocol

5Gbps



USB3.0 Type-B

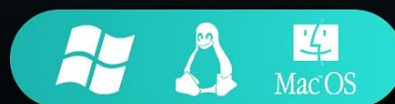


Figure 7: High-Speed Data Transfer

This image highlights the USB 3.0 5Gbps transfer speed and UASP protocol support, ensuring rapid data exchange between the enclosure and your computer.

3. Auto-Sleep Function

To conserve energy and extend the lifespan of your hard drives, the enclosure features an automatic sleep mode. If there is no data activity for 10 minutes, the enclosure will enter sleep mode. It will automatically wake up when data access is detected.

Mac Style 2.5" RAID Hard Drive Enclosure



Figure 8: Auto-Sleep Feature

This image visually represents the 10-minute auto-sleep function, designed to save power and prolong the life of the installed hard drives.

MAINTENANCE

The Yottamaster DR2RU3-25 is constructed with an all-aluminum body and features meteorite-patterned heat sinks on the front and rear. This design promotes faster air ventilation and efficient heat dissipation, protecting your drives from overheating.

- Keep the enclosure clean and free from dust. Use a soft, dry cloth for cleaning.
- Ensure proper airflow around the enclosure to maximize heat dissipation.
- Avoid exposing the enclosure to extreme temperatures, humidity, or direct sunlight.
- Handle the enclosure with care to prevent physical damage. The anodized, sandblasted aluminum surface offers good resistance against scratches and impacts.

TROUBLESHOOTING

If you encounter issues with your Yottamaster DR2RU3-25 enclosure, please refer to the following common troubleshooting steps:

- **Enclosure not recognized by computer:**
 - Ensure the USB cable is securely connected to both the enclosure and the computer.
 - Try a different USB port on your computer.
 - Try a different USB cable.
 - Verify the power adapter is correctly connected and the enclosure is receiving power (check LED indicators).
 - Restart your computer.
- **Drives not appearing in "My Computer" or "Finder":**
 - For new drives, they may need to be initialized and formatted. Access Disk Management (Windows) or Disk Utility (Mac OS) to perform this.
 - Ensure drives are properly seated in the enclosure bays.
 - Check the RAID mode settings. If you changed the RAID mode, the drives will need to be re-initialized and formatted.
- **Slow transfer speeds:**
 - Ensure you are connected to a USB 3.0 port on your computer. USB 2.0 ports will result in significantly slower speeds.
 - Verify that UASP drivers are installed (usually automatic with modern OS).
 - Check the health of your hard drives.
 - Ensure no other high-bandwidth operations are running on your computer.
- **Enclosure randomly disconnects:**
 - Ensure the power adapter is providing stable power.
 - Check for loose USB cable connections.
 - Avoid placing the enclosure near strong electromagnetic interference sources.

If the issue persists after trying these steps, please contact Yottamaster customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Model Number	DR2RU3-25
Brand	Yottamaster
Interface	USB 3.0 (Type-B)
Data Transfer Rate	Up to 5 Gbps (USB 3.0)
Supported Drives	2 x 2.5-inch SATA HDD/SSD (7mm, 9mm, 12.5mm thickness)
Max Capacity	Up to 8 TB (4 TB per drive)

Feature	Detail
RAID Modes	PM, RAID 0, RAID 1, SPAN
Material	Aluminum Alloy
Power Supply	External 5V/2A Power Adapter
Compatibility	Windows, Mac OS, Linux
Features	UASP Support, Auto-Sleep (10 min inactivity), Hot-Swap, Plug and Play
Dimensions	Approx. 166mm (L) x 48mm (W) x 111mm (H)

Better Heat Dissipation Performance



All Aluminum Structure, Front and Rear Cooling Holes



Figure 9: Product Dimensions

This image provides the physical dimensions of the Yottamaster DR2RU3-25 enclosure: 166mm length, 48mm width, and 111mm height.

WARRANTY AND SUPPORT

Specific warranty information for the Yottamaster DR2RU3-25 enclosure is not provided in this manual. Please refer to the product packaging or the official Yottamaster website for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact Yottamaster customer service through their official website or the contact information provided with your purchase.

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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