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ORICO 9558RU3-US

ORICO 5 Bay RAID Hard Drive Enclosure User Manual

Model: 9558RU3-US | Brand: ORICO

INTRODUCTION

The ORICO 5 Bay RAID Hard Drive Enclosure (Model 9558RU3-US) is designed to provide a robust and flexible storage solution for your data. This enclosure supports up to five 3.5-inch SATA hard drives, offering a maximum capacity of 100TB (5x20TB). It features multiple RAID modes (0/1/3/5/10/JBOD/Single) to meet various storage requirements, from data redundancy to performance optimization. With USB 3.0 connectivity, it ensures high-speed data transfer, and its aluminum alloy construction with an integrated cooling fan provides efficient heat dissipation and device protection.



Figure 1: Front view of the ORICO 5 Bay RAID Hard Drive Enclosure with a drive being inserted.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1x 5 Bay RAID Hard Drive Enclosure
- 1x 220V Power Adapter
- 1x 1M USB 3.0 Type-A Data Cable
- 1x User Manual (this document)

PRODUCT FEATURES

- **High Capacity Storage:** Supports up to five 3.5-inch SATA (I/II/III) HDDs, with a maximum total capacity of 100TB (5x20TB).
- **Multiple RAID Modes:** Offers RAID 0, RAID 1, RAID 3, RAID 5, RAID 10, JBOD, and Single Disk modes for flexible data management and protection.
- **Efficient Heat Dissipation:** Constructed with high-quality aluminum alloy and features a built-in 80mm cooling fan to maintain optimal operating temperatures.
- **USB 3.0 High-Speed Transfer:** Compatible with SATA 3.0 interface, providing data transfer speeds up to 5Gbps.
- **Enhanced Device Protection:** Includes a locking key to prevent accidental bay opening, a non-slip mat for stability, and LED status indicators for operational feedback.
- **Wide Compatibility:** Supports Windows XP/VISTA/7/8/8.1/10, Linux, and Mac operating systems.



Figure 2: Overview of key product features.



Figure 3: Detailed view of the enclosure's front and rear panel components.

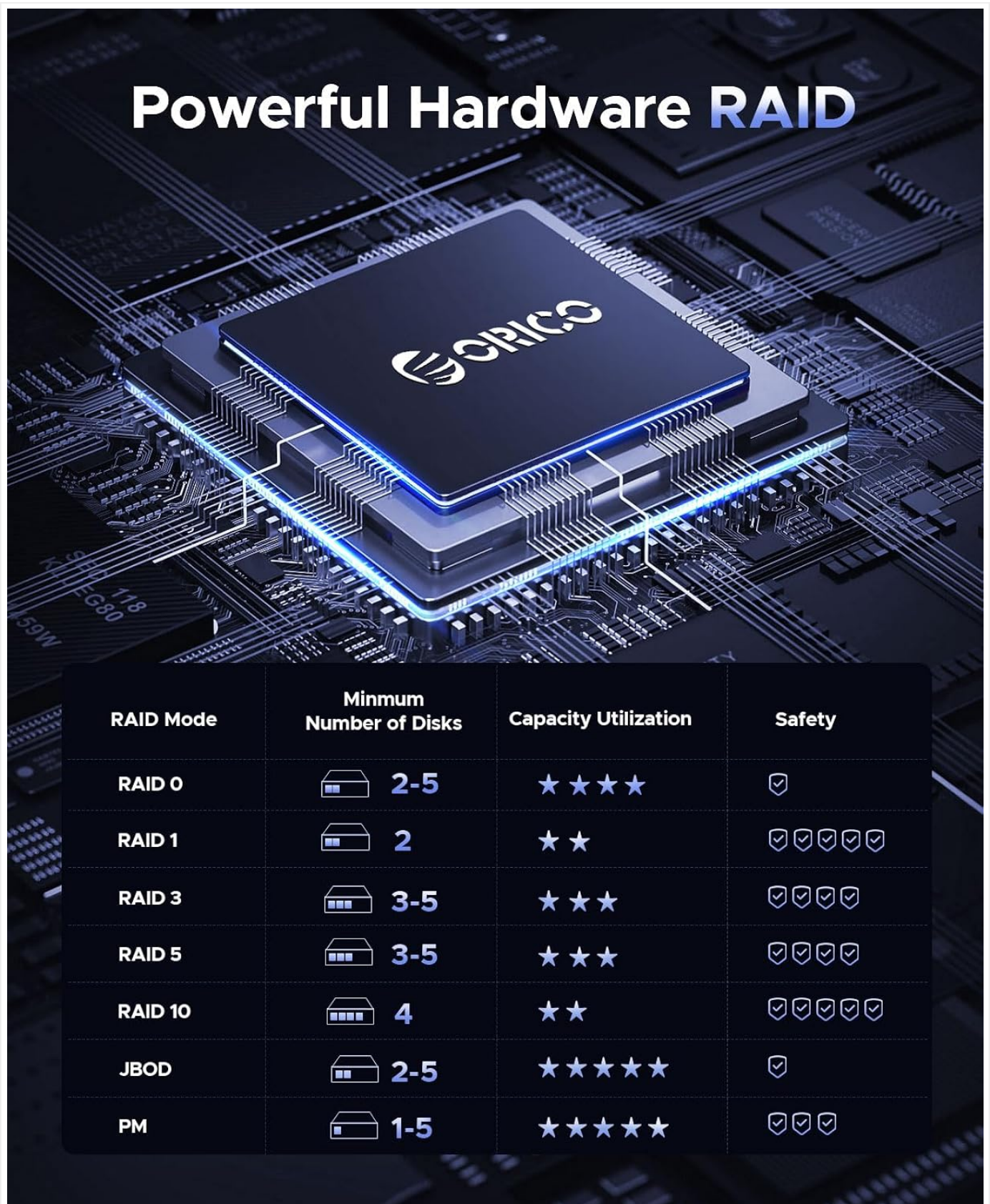
SETUP GUIDE

1. Installing Hard Drives

1. Ensure the enclosure is powered off and disconnected from your computer.

2. Unlock the drive bay door using the provided key (if applicable).
3. Gently pull the drive tray out of the enclosure.
4. Mount your 3.5-inch SATA HDD onto the drive tray. Ensure the connectors align correctly.
5. Slide the loaded drive tray back into the enclosure until it clicks into place.
6. Lock the drive bay door.
7. Repeat for all desired hard drives.

Powerful Hardware RAID



RAID Mode	Minmum Number of Disks	Capacity Utilization	Safety
RAID 0	 2-5	★★★★	
RAID 1	 2	★★	
RAID 3	 3-5	★★★	
RAID 5	 3-5	★★★	
RAID 10	 4	★★	
JBOD	 2-5	★★★★★	
PM	 1-5	★★★★★	

Figure 4: Proper insertion of a hard drive into a bay.

2. Connecting to Your Computer

- 1. Connect the provided USB 3.0 Type-A data cable from the enclosure's USB 3.0 port to an available USB 3.0 port on your computer.
- 2. Connect the 220V power adapter to the enclosure's power input and then to a power outlet.
- 3. Press the power button on the back of the enclosure to turn it on. The LED indicators on the front will illuminate.

OPERATING INSTRUCTIONS

RAID Mode Configuration

The ORICO 9558RU3-US supports various RAID modes. It is crucial to configure the RAID mode **before** initializing and formatting your hard drives, as changing RAID modes will erase all data on the drives. There are two primary methods for RAID configuration: Manual Method (DIP Switches) and Software Manager Method.

Manual Method (DIP Switches)

This method uses the DIP switches located on the back of the enclosure. Refer to the diagram below for switch settings for each RAID mode.

- 1. Ensure the enclosure is powered off and disconnected from your computer.
- 2. Set the DIP switches on the back of the enclosure according to the desired RAID mode as shown in the table/diagram.
- 3. While holding the "SET" key (usually a small button next to the DIP switches), power on the enclosure.
- 4. Release the "SET" key once the LED light turns blue (or as indicated in the diagram).
- 5. Connect the enclosure to your computer. The drives will now appear as a single logical disk (or multiple, depending on the mode) in Disk Management.
- 6. Initialize and format the disk(s) through your operating system's Disk Management utility.



Figure 5: RAID mode settings via DIP switches and software interface.

Table 1: RAID Mode Configuration (Manual Method)

RAID Mode	Min. Disks	Max Capacity	Security	Speed	DIP Switch Settings (Example)
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RAID Mode	Min. Disks	Max Capacity	Security	Speed	DIP Switch Settings (Example)
RAID 0	2-5	N*N TB	Low	High	1:OFF, 2:OFF, 3:OFF, 4:ON
RAID 1	2	100%	High	Middle	1:OFF, 2:OFF, 3:ON, 4:OFF
RAID 3	3-5	N-1N TB	Middle	Middle	1:OFF, 2:ON, 3:OFF, 4:OFF
RAID 5	3-5	N-1N TB	High	Middle	1:OFF, 2:ON, 3:OFF, 4:ON
RAID 10	4	50%	High	Middle	1:ON, 2:OFF, 3:OFF, 4:OFF
JBOD/Big	2-5	100%	Low	Middle	1:ON, 2:OFF, 3:OFF, 4:ON
Single Mode	1-5	100%	Normal	Normal	1:ON, 2:ON, 3:OFF, 4:OFF

Note: N represents the capacity of the smallest hard drive in the array for RAID 0, 3, 5, 10. For JBOD/Big and Single Mode, it represents the full capacity of each drive.

Software Manager Method

For more advanced configuration or if you prefer a graphical interface, you can use the ORICO HW RAID Manager Software.

1. Download and install the ORICO HW RAID Manager Software from the official ORICO website. (Refer to the image for typical software interface).
2. Ensure the enclosure is connected and powered on.
3. Launch the software. It should detect your enclosure.
4. Select the desired RAID mode within the software interface.
5. Confirm the changes. The software will guide you through the process.
6. After configuration, initialize and format the disk(s) through your operating system's Disk Management utility.

Important: Always back up your data before changing RAID modes or initializing drives, as these operations will erase all existing data.

Data Transfer

Once the drives are configured and formatted, the enclosure will appear as a storage device on your computer. You can now drag and drop files, or use any file management software to transfer data to and from the enclosure.



Figure 6: High-speed data transfer capability.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the enclosure's fan and ventilation holes are not obstructed to allow for proper airflow and heat dissipation.
- **Drive Health:** Regularly check the health of your hard drives using appropriate disk utility software.
- **Firmware Updates:** Periodically check the ORICO official website for any firmware updates for your model to ensure optimal performance and compatibility.
- **Safe Removal:** Always safely eject the device from your operating system before disconnecting the USB cable or powering off the enclosure to prevent data corruption.



Figure 7: The robust aluminum alloy construction aids in durability and heat management.

TROUBLESHOOTING

If you encounter issues with your ORICO 5 Bay RAID Hard Drive Enclosure, please refer to the following common problems and solutions. For more detailed troubleshooting, consult the official Troubleshooting Guide (PDF) available on the ORICO website or via the link provided in the "Support" section.

- **Enclosure not recognized by computer:**
 - Ensure the power adapter is securely connected and the enclosure is powered on.
 - Verify the USB data cable is properly connected to both the enclosure and the computer. Try a different USB port or cable.
 - Check Disk Management (Windows) or Disk Utility (macOS) to see if the drives are detected but uninitialized or unformatted.
 - Restart your computer and the enclosure.
- **Drives not appearing after RAID configuration:**
 - Ensure the RAID configuration process (manual or software) was completed successfully.
 - Check Disk Management/Disk Utility to initialize and format the newly configured RAID volume.
 - Verify that all hard drives are properly seated in their bays.

- **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.
 - Check the health of your hard drives. Degraded drives can impact performance.
 - Ensure your computer's USB drivers are up to date.
- **Enclosure powers off unexpectedly:**
 - Verify the power adapter is functioning correctly and connected to a stable power source.
 - Ensure adequate ventilation to prevent overheating. Clean any dust from the fan or vents.



Figure 8: The enclosure features multiple protection mechanisms for data safety.

SPECIFICATIONS

Feature	Detail
Model Number	9558RU3-US
Brand	ORICO
Drive Bays	5
Compatible Drives	3.5-inch SATA I/II/III HDDs
Max Capacity	100TB (5 x 20TB)
RAID Modes	RAID 0, RAID 1, RAID 3, RAID 5, RAID 10, JBOD, Single Mode
Interface	USB 3.0 Type B
Data Transfer Rate	Up to 5Gbps (USB 3.0)
Material	Aluminum Alloy
Cooling System	Built-in 80mm fan
Power Supply	Built-in 150W

Feature	Detail
Compatible OS	Windows XP/VISTA/7/8/8.1/10, Linux, Mac
Item Weight	10 Pounds (approx. 4.5 kg)
Package Dimensions	13.39 x 11.97 x 8.5 inches

WARRANTY AND SUPPORT

ORICO products typically come with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official ORICO website for specific warranty terms and conditions.

For technical support, product inquiries, or to download the latest drivers and software, please visit the official ORICO support page. You can also find additional resources, including a detailed User Guide and Troubleshooting Guide, at the following links:

- [Official User Guide \(PDF\)](#)
- [Troubleshooting Guide \(PDF\)](#)
- [ORICO Brand Store on Amazon](#)

For direct customer service, please refer to the contact information provided on the ORICO official website.

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

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