

ORICO 9548U3-US

ORICO 4 Bay Hard Drive Enclosure

USER MANUAL

Brand: ORICO | Model: 9548U3-US

1. Product Overview

The ORICO 4 Bay External Hard Drive Enclosure is designed to expand your storage capacity, compatible with 3.5-inch SATA (I / II / III) HDDs, supporting up to 4x16TB for a total of 64TB. It features a USB 3.0 to SATA 3.0 interface, offering 5Gbps transfer speeds for efficient data management. The enclosure includes a built-in 150W power supply for stable operation and comes with a 3ft (1m) USB-A cable. Constructed from high-quality aluminum with a tray-less design, it incorporates an 80mm cooling fan for efficient heat dissipation. Additional features include a non-slip mat, a locking key to prevent accidental bay opening, and blue LED status indicators.

2. What's in the Box

- 1x 4 Bay Hard Drive Enclosure
- 1x 12V Power Adapter
- 1x 1M USB 3.0 Type-A Data Cable
- 1x User Manual

3. Specifications

Feature	Detail
Brand	ORICO
Model Number	9548U3-US
Hard Disk Form Factor	3.5 Inches
Max Storage Capacity	64 TB (4x16TB)

Data Transfer Rate	5000 Megabytes Per Second (5Gbps)
Hardware Interface	USB 3.0 Type B, USB 3.0 Type A
Power Supply	Built-in 150W Power Adapter
Cooling System	Built-in 80mm Cooling Fan
Material	Aluminum Alloy
Compatible Devices	Laptop, TV, Desktop, Router, Xbox
Compatible Operating Systems	Windows XP/ VISTA/ 7/ 8 /8.1/ 10, Linux, Mac 9.1/10.2 or higher
Product Dimensions	10.16 x 5.75 x 6.34 inches
Item Weight	9.2 pounds (4.18 Kilograms)

4. Setup Guide

4.1 Physical Installation

Before connecting the enclosure, ensure all hard drives are properly installed. The tray-less design allows for easy insertion of 3.5-inch SATA HDDs.



Figure 1: Front view of the ORICO 4 Bay Hard Drive Enclosure, showing the four drive bays.

Connect the 12V power adapter to the enclosure and then to a power outlet. Use the provided USB 3.0 Type-A data cable to connect the enclosure to your computer's USB 3.0 port for optimal transfer speeds.



Figure 2: Rear panel of the enclosure, highlighting the power interface, USB 3.0 port, and cooling fan.

4.2 Initializing and Formatting Hard Drives

For new hard drives, or if you wish to erase existing data, you will need to initialize and format them. The process varies slightly depending on your operating system.

Video 1: Demonstrates how to format hard drives in Windows, macOS, and Linux operating systems. This is a crucial step for new drives or

for re-purposing existing drives.

For Windows: Access Disk Management (Right-click 'This PC' -> 'Manage' -> 'Disk Management'). Locate the unallocated disk, right-click to initialize, then create a New Simple Volume and format it (NTFS recommended).

For macOS: Open Disk Utility (Applications -> Utilities -> Disk Utility). Select the drive, click 'Erase', choose a format (APFS or Mac OS Extended (Journaled) recommended), and confirm.

For Linux: Use a disk utility like GParted or the 'Disks' application. Select the drive, format it to your desired file system (e.g., Ext4, NTFS for Windows compatibility), and mount it.

5. Operation

5.1 Storage Capacity and Usage

The ORICO 4 Bay Enclosure supports a massive 64TB storage pool, allowing you to consolidate multiple hard drives into one centralized unit. This is ideal for large media libraries, backups, or professional data storage needs.

64TB Capacity Expansion



**3.5 inch
SATA HDD**



**Max up to
16TB x 4**



Figure 3: Visual representation of the 64TB capacity expansion, supporting four 16TB 3.5-inch SATA HDDs.



Figure 4: Overview of the enclosure's features, including 64TB max capacity, 4mm aluminum enclosure, key lock, 150W power supply, 5Gbps transfer speed, and fan system.

5.2 Data Transfer

Leveraging USB 3.0 technology, the enclosure provides high-speed data transfer rates of up to 5Gbps, significantly reducing waiting times when moving large files.

Transfer 1G Files in Seconds

Read 230MB/s, Write 230MB/s



Figure 5: Illustration of the high-speed data transfer capability, allowing 1GB files to be transferred in seconds.

5.3 Device Protection and Compatibility

The enclosure is built with robust aluminum alloy for enhanced shockproof and wearproof durability. It includes multiple protection features such as short-circuit, over-current, over-heat, and over-voltage protection to safeguard your data. The integrated key lock prevents accidental bay opening, ensuring physical security for your drives.

Aluminum Alloy Enclosure

4MM Aluminum Alloy Enclosure, Solid and Reliable



Figure 6: Visual representation of the enclosure's comprehensive safety features, including short-circuit, over-current, over-heat, and over-voltage protection.

The ORICO 4 Bay Enclosure offers wide compatibility with various devices and operating systems, including Windows, macOS, Linux, and Android. It can be connected to laptops, desktop PCs, smart TVs, and routers.

Wide Compatibility



Figure 7: Illustrates the wide range of devices (Router, Smart TV, Laptop, PC) and systems (Windows, Mac OS, Linux, Android) compatible with the enclosure.

6. Maintenance

6.1 Cooling System

The enclosure features a built-in 80mm cooling fan and honeycomb holes design to ensure excellent heat dissipation, maintaining optimal operating temperatures for your hard drives and extending their lifespan.

LED Indicator

Keyhole

Airflow Hole

Anti-Knock Mat



Heat Dissipation
Hole+ Fan

Power Button

Power Interface

USB 3.0 Interface

Figure 8: Detailed view of the enclosure's components, including the heat dissipation fan and various indicators/ports.

6.2 Cleaning

To maintain optimal performance, regularly clean the exterior of the enclosure with a soft, dry cloth. Ensure the cooling fan vents are free from dust accumulation to prevent overheating. Do not use liquid cleaners or abrasive materials.

7. Troubleshooting

If you encounter issues with your ORICO 4 Bay Hard Drive Enclosure, please refer to the following common solutions or consult

the official user guides.

- **Drives Not Appearing:** Ensure the enclosure is powered on and the USB cable is securely connected to both the enclosure and your computer. For new drives, ensure they are initialized and formatted via your operating system's Disk Management (Windows) or Disk Utility (macOS/Linux). Some users have reported a sleep mode feature that can cause drives to disappear; check ORICO's official support for firmware updates to disable this if it's an issue.
- **Slow Transfer Speeds:** Verify you are using a USB 3.0 port on your computer. Ensure the USB 3.0 cable is not damaged.
- **Overheating:** Ensure the enclosure is placed in a well-ventilated area and the cooling fan vents are not obstructed.

For more detailed troubleshooting, please refer to the official PDF guides:

- [Troubleshooting Guide \(PDF\)](#)
- [User Guide \(PDF\)](#)

8. Warranty and Support

ORICO products typically come with a standard manufacturer's warranty. Please retain your proof of purchase for warranty claims. For technical support, warranty information, or service inquiries, please visit the official ORICO website or contact their customer service directly.