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› ORICO 5 Bay Hard Drive Enclosure User Manual

ORICO 3559C3-BK

ORICO 5 Bay Hard Drive Enclosure User Manual

Model: 3559C3-BK | Brand: ORICO

PRODUCT OVERVIEW

The ORICO 5 Bay Hard Drive Enclosure (Model 3559C3-BK) is designed for enterprise-class data storage, offering high capacity and fast data transfer speeds. It supports up to five 2.5-inch or 3.5-inch SATA HDDs/SSDs, with a maximum single-bay capacity of 16TB, totaling 80TB. This enclosure features USB 3.1 Gen2 (Type-C) connectivity for speeds up to 10Gbps and supports daisy-chaining for expanded storage.



Figure 1: ORICO 5 Bay Hard Drive Enclosure with hard drives and trays.

Key Features:

- **Daisy Chain Support:** Connect up to three devices for a total capacity of 240TB.
- **High-Speed Data Transfer:** USB 3.1 Gen2 Type-C interface provides up to 10Gbps transfer rates.
- **Wide Compatibility:** Supports 2.5-inch and 3.5-inch SATA HDDs/SSDs.
- **Efficient Cooling:** Features a 4mm aluminum alloy shell and an 80mm silent fan for optimal heat dissipation.
- **Stable Power Supply:** Built-in 150W power adapter ensures stable operation.
- **Screw Installation:** Secure drive installation to prevent shaking.

SETUP GUIDE

Package Contents:

Verify that all items are present in the package:

- ORICO 5 Bay Hard Drive Enclosure
- USB Type-C to Type-C Cable
- Power Adapter
- Screws for drive installation
- User Manual (this document)

Hard Drive Installation:

1. Gently pull out an empty drive tray from the enclosure.



Figure 2: Removing a drive tray from the enclosure.

2. Place your 2.5-inch SSD or 3.5-inch HDD into the drive tray. Ensure the SATA connectors align correctly.



Figure 3: Inserting a hard drive into the tray.

3. Secure the hard drive to the tray using the provided screws. This fixation helps prevent damage from impact.
4. Slide the loaded drive tray back into the corresponding bay in the enclosure until it clicks into place.



Figure 4: Front view of the enclosure with drives installed.

5. Repeat for all desired hard drives.

Connecting to Your Computer:

1. Connect the power adapter to the enclosure's power input port (AC 100-240V) and then to a power outlet.



Figure 5: Rear panel with power and USB ports.

2. Connect one end of the provided USB Type-C cable to the "Main" USB 3.1 Gen2 Type-C port on the enclosure.
3. Connect the other end of the USB Type-C cable to a compatible USB Type-C port on your computer.



Figure 6: Enclosure connected to a computer setup.

4. Flip the power switch on the back of the enclosure to the "ON" position. The LED indicators on the front panel will illuminate.

OPERATING INSTRUCTIONS

Hard Drive Recognition and Formatting:

After connecting the enclosure, new hard drives may need to be initialized and formatted before use. The process varies slightly depending on your operating system (Windows, macOS, or Linux).



Video 1: Instructions on how to format a hard drive partition in Windows, macOS, and Linux systems.

- **Windows:** Access Disk Management (right-click "This PC" > "Manage" > "Disk Management"). Locate the unallocated disk, initialize it (MBR or GPT), and then create a new simple volume, formatting it with NTFS.
- **macOS:** Open Disk Utility (Applications > Utilities > Disk Utility). Select the unmounted disk, click "Erase," choose a format (e.g., APFS or Mac OS Extended (Journaled)), and confirm.
- **Linux:** Use a disk utility like GParted or the built-in Disks application. Select the disk, format the partition with a suitable file

system (e.g., Ext4, NTFS for cross-compatibility), and mount it.

Daisy Chain Functionality:

The ORICO 5 Bay Enclosure supports daisy-chaining, allowing you to connect additional compatible ORICO devices (up to two more) to expand your storage capacity. This is achieved using the second USB 3.1 Gen2 Type-C port labeled "HUB" on the back of the main enclosure.



Figure 7: Daisy chain connection setup for expanded storage.



Video 2: Demonstration of the ORICO USB-C drive enclosure supporting daisy chain functionality.

To daisy chain, connect the "HUB" port of the first enclosure to the "Main" port of the second enclosure, and so on. Ensure all enclosures are powered on.

Auto-Sleep Function:

The enclosure features an auto-sleep function that activates after 10 minutes of inactivity. This feature helps prolong the service life of your hard drives by reducing wear and tear when not in active use. Drives will automatically wake up upon data access.

MAINTENANCE

Heat Dissipation:

The ORICO 5 Bay Enclosure is designed with a 4mm thick unibody aluminum alloy shell and an 80mm silent fan. Honeycomb heat dissipation holes on the front and rear panels facilitate airflow, effectively dissipating heat generated during data transfer and hard disk operation. Regular cleaning of dust from the fan and vents is recommended to maintain optimal cooling performance.



Figure 8: Internal cooling fan and airflow design.

TROUBLESHOOTING

If you encounter issues with your ORICO 5 Bay Hard Drive Enclosure, please refer to the following common solutions:

- **Drives Not Recognized:**

- Ensure all hard drives are properly seated and secured in their trays.
- Verify that the enclosure is powered on and connected securely to your computer.
- For new drives, ensure they are initialized and formatted according to your operating system's requirements (refer to "Hard Drive Recognition and Formatting" section).
- Try connecting the enclosure to a different USB port or computer to rule out port/computer issues.

- **Power Issues / Instability:**

- Ensure the power adapter is firmly connected to both the enclosure and a working power outlet.
- Verify that the power switch on the back of the enclosure is in the "ON" position.

- If experiencing instability with multiple drives, ensure the total power draw does not exceed the 150W power supply capacity, especially under high load.
- **Slow Transfer Speeds:**
 - Ensure you are using a USB 3.1 Gen2 compatible port on your computer. Older USB ports will result in slower speeds.
 - Check the condition of your USB cable; a damaged or non-compliant cable can affect performance.
 - The performance of the hard drives themselves can limit transfer speeds.

For more detailed troubleshooting, you may refer to the official [Troubleshooting Guide \(PDF\)](#) provided by ORICO.

SPECIFICATIONS

Feature	Detail
Brand	ORICO
Model Number	3559C3-BK
Memory Storage Capacity	80 TB (Max 16TB per single bay)
Compatible Devices	Laptop, Desktop Computers
Hard Disk Form Factor	2.5 Inches, 3.5 Inches (SATA HDD/SSD)
Max Number of Supported Devices	5 (Enclosure bays) + Daisy Chain (up to 3 total enclosures)
Data Transfer Rate	10 Gigabits Per Second (USB 3.1 Gen2)
Manufacturer	ORICO Technologies Co.,Ltd
Package Dimensions	13.3 x 12.8 x 8.7 inches
Item Weight	10.21 pounds
Hardware Interface	USB Type-C
Color	A-Black
Hardware Platform	Windows, Mac, Linux
Material	Aluminum Alloy
Power Supply	Built-in 150W Power Adapter

WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official ORICO website or contact their customer service. You can also refer to the [Troubleshooting Guide \(PDF\)](#) for common issues.

For further assistance, please contact ORICO Direct US Store support.

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