ORICO NS800C3

ORICO 8 Bay External Hard Drive Enclosure NS800C3 Instruction Manual

Model: NS800C3 | Brand: ORICO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ORICO 8 Bay External Hard Drive Enclosure (Model NS800C3). Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x ORICO 8-Bay external hard drive enclosure
- 1x 1M USB3.0 A to B cable
- 1x 1M USB3.0 A to C cable
- 1x 12V/10A power supply
- 1x User Manual (this document)

3. PRODUCT OVERVIEW

3.1. Appearance and Components

Familiarize yourself with the external features of your ORICO 8 Bay Enclosure.

Appearance

① Front lid

② Hard drive indicator

③ Power button

④ Type-C port

⑤ Power interface

Figure 3.1: Front view of the ORICO 8 Bay External Hard Drive Enclosure.

Figure 3.2: Rear view of the ORICO 8 Bay External Hard Drive Enclosure, highlighting the power button, Type-C port, and power interface.

3.2. Key Features

- **Three Chip Control:** Equipped with high-performance chips for fast 5Gbps transmission and enhanced stability, suitable for enterprise data interaction.
- **128TB Large Capacity:** Supports up to 16TB per single disk, totaling 128TB across 8 bays for extensive data storage.
- **Tool-Free Installation:** Magnetic design with 8 magnetic chips on the cover allows for quick and easy drive

installation.

- **Efficient Heat Dissipation:** Features two built-in 92mm cooling fans and honeycomb dissipation holes to maintain optimal operating temperatures.
- **Wide Compatibility:** Compatible with Windows XP/7/8/8.1/10/VISTA, Linux, and Mac 9.1/10.2 or higher operating systems.

4. SETUP AND INSTALLATION

Follow these steps to install hard drives into your ORICO enclosure:

1. **Open the Enclosure:** Gently pull out the magnetic front lid to open the hard drive enclosure.
2. **Insert Hard Drives:** Slide your 3.5-inch SATA hard drives into the available bays. Ensure they are seated firmly.
3. **Close the Enclosure:** Replace the magnetic front lid. It will automatically secure itself.

Figure 4.1: Tool-free hard drive installation process.

Video: ORICO NS-series 4-8 Bay Toolfree Aluminum HDD Enclosure

Your browser does not support the video tag.

This video demonstrates the tool-free installation of hard drives into the ORICO NS-series enclosure, including connecting the power and USB cables.

5. OPERATION

5.1. Connecting to Your Computer

1. Connect the power adapter to the enclosure's power interface and plug it into a power outlet.
2. Connect the appropriate USB cable (USB-A to USB-B or USB-A to USB-C, depending on your computer's port) from the enclosure to your computer.
3. Press the power button on the rear of the enclosure to turn it on. The hard drive indicator lights on the front will

illuminate.

5.2. Data Transfer

Once connected and powered on, your computer should detect the hard drives. You can then transfer data to and from the drives as you would with any external storage device. The enclosure supports high-speed data transfer up to 5Gbps.

5.3. Hard Drive Formatting and Partitioning

New hard drives or drives that are not recognized by your operating system may need to be formatted and partitioned. Refer to the video below for a step-by-step guide.

Video: Operation Guide for Hard Drive Formatting Partition

Your browser does not support the video tag.

This video provides a detailed guide on how to format and partition hard drives in both Windows and Mac OS systems, making them ready for use with your enclosure.

Important Note: The ORICO NS800C3 model does not support RAID functionality. The RAID management software shown in some general ORICO videos is for other models. This enclosure operates in JBOD (Just a Bunch Of Disks) mode, where each drive is recognized independently.

6. SPECIFICATIONS

Brand	ORICO
Model Number	NS800C3
Item Weight	4.49 Kilograms (9.88 pounds)
Memory Storage Capacity	Up to 128 TB (8x16TB)
Compatible Devices	Laptop, NAS, PC
Hard Disk Form Factor	3.5 Inches
Data Transfer Rate	512 Megabytes Per Second (5Gbps USB 3.0)
Connectivity Technology	SATA, USB Type C
Color	Black
Material	Metal
Manufacturer	ORICO Technology Co.,Ltd

7. TROUBLESHOOTING

- **Drives Not Detected:**
    - Ensure all cables (power and USB) are securely connected.
    - Verify the enclosure is powered on.
    - Check Disk Management (Windows) or Disk Utility (Mac) to see if the drives appear as unallocated space. If so, they may need to be initialized, formatted, and partitioned.

- Try connecting the enclosure to a different USB port or computer to rule out port/computer issues.
- Ensure the hard drives themselves are functional by testing them in another enclosure or directly in a computer.

- **Slow Data Transfer Speeds:**

  - Ensure you are using a USB 3.0 (or higher) port on your computer. USB 2.0 ports will result in significantly slower speeds.
  - Check the quality of your USB cable. Use the provided ORICO cable or a high-quality replacement.
  - Large file transfers are generally faster than many small files.

- **Overheating Issues:**

  - Ensure the enclosure is placed in a well-ventilated area and that the fan vents are not obstructed.
  - While the enclosure has cooling fans, continuous heavy load with multiple high-RPM drives can generate significant heat. Consider reducing the number of active drives if overheating persists.

- **Power Issues with Multiple Drives:**

  - If the enclosure struggles to power on or recognize all 8 drives simultaneously, especially during spin-up, it might be due to insufficient power delivery. Try powering on with fewer drives initially, then insert additional drives one by one.
  - Ensure you are using the original 12V/10A power supply provided with the unit.

- **Activity Lights Incorrect:**

  - Some users have reported that the activity lights may be wired in reverse order (e.g., Disk 1 light corresponds to the last bay). This is a cosmetic issue and does not affect functionality.

8. Safety Information

- Do not expose the device to water or excessive humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the device. This will void the warranty.
- Use only the provided power adapter. Using an incorrect adapter may damage the device.
- Keep the device away from extreme temperatures and direct sunlight.
- Ensure proper ventilation to prevent overheating.

9. Warranty and Support

ORICO products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official ORICO website.
If you encounter any issues or require technical assistance, please contact ORICO customer support through their official website or the retailer where you purchased the product. Have your model number (NS800C3) and purchase details ready when contacting support.