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 - › ORICO WS500U3 5-Bay Hard Drive Docking Station User Manual

ORICO WS500U3

ORICO WS500U3 5-Bay Hard Drive Docking Station
USER MANUAL

1. Introduction

This user manual provides comprehensive instructions for the ORICO WS500U3 5-Bay USB 3.0 Docking Station. This device is designed to expand your storage capacity by accommodating up to five 2.5-inch or 3.5-inch SATA HDDs/SSDs, with support for up to 16TB per drive. Please read this manual carefully before operation to ensure proper installation and optimal performance.



Image: The ORICO WS500U3 5-Bay Hard Drive Docking Station, showcasing its sleek aluminum design and front ventilation.

2. Product Overview

The ORICO WS500U3 is a high-performance external storage solution featuring a robust aluminum alloy casing for enhanced durability and heat dissipation. It offers high-speed data transfer and intelligent power management.

- **High Capacity Support:** Compatible with 2.5-inch or 3.5-inch SATA HDDs/SSDs, supporting up to 16TB per drive for a total capacity of 80TB.
- **Fast Data Transfer:** Equipped with SATA III and USB 3.0 interfaces, providing data transfer speeds up to 5 Gbps.
- **Efficient Heat Dissipation:** Features an aluminum enclosure with rear cooling holes and an integrated cooling fan to maintain optimal operating temperatures.
- **Intelligent Sleep Function:** Automatically enters sleep mode after 10 minutes of data inactivity, reducing power consumption and extending drive lifespan.
- **Plug and Play:** Driver-free installation for compatibility with Linux, Mac, and Windows XP/7/8/10/10 or higher operating systems.

Large Capacity

Support up to 80 TB



5 Bay



80TB



Image: Visual representation of the ORICO WS500U3 supporting 5 hard drives for a large total capacity.

High speed transfer

USB 3.0 Speeds Up to 5Gbps (theoretical)



Image: Depiction of the ORICO WS500U3 connected to a laptop, illustrating high-speed USB 3.0 data transfer.

3. Package Contents

Please verify that all items listed below are included in your package:

- ORICO WS500U3 5-Bay HDD/SSD Docking Station
- USB 3.0 Data Cable

- Power Adapter
- User Manual (this document)
- Screwdriver and Screws for installation

4. Setup and Installation

Follow these steps to install your hard drives and set up the docking station:

1. **Loosen the Front Panel Screws:** Use the provided screwdriver to loosen the screws on the front panel of the docking station.



Image: A hand using a screwdriver to loosen the screws on the front panel of the ORICO WS500U3.

2. **Remove the Hard Drive Tray:** Carefully pull out the empty hard drive tray from the bay.



Image: The hard drive trays being pulled out from the ORICO WS500U3 enclosure.

3. **Insert and Secure the Hard Disk:** Place your 2.5-inch or 3.5-inch SATA HDD/SSD into the tray and secure it with the provided screws. Ensure the drive is firmly seated.

243mm
Length

185mm
Wide

136mm
High



Image: A hard drive being placed into one of the ORICO WS500U3's trays, ready for securing.

- 4. Reinsert Tray and Connect to Computer:** Slide the tray back into the docking station. Once all drives are installed, connect the docking station to your computer using the USB 3.0 cable and plug in the power adapter.



Image: The ORICO WS500U3 docking station with its front panel reattached, ready to be connected to a computer.

5. Operating Instructions

The ORICO WS500U3 is designed for ease of use with plug-and-play functionality. No additional drivers are required for most operating systems.

- **Power On:** After connecting the power adapter and USB cable, the device will power on automatically.
- **Drive Recognition:** Your operating system (Windows, macOS, Linux) should automatically detect the installed hard drives. They will appear as individual drives or as a single volume if configured for RAID (note: this model does not support hardware RAID, software RAID must be configured via OS).
- **Data Transfer:** You can now access and transfer data to and from the installed drives at USB 3.0 speeds.
- **Intelligent Sleep Mode:** To conserve energy and prolong drive life, the docking station will automatically enter sleep mode if there is no data interaction for approximately 10 minutes. The drives will spin down and power consumption will be reduced. Data access will resume automatically when activity is detected.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your ORICO WS500U3 docking station.

- **Heat Dissipation:** The aluminum casing and built-in cooling fan are designed for effective heat dissipation. Ensure the rear cooling vents are not obstructed to allow for proper airflow.
- **Cleaning:** Periodically clean the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Environmental Conditions:** Operate the device in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

Installation Steps

- 1 Loosen the screws on the front panel



- 2 Take out the hard drive tray



- 3 Insert the hard disk and fix it with screws



- 4 Turn the screw to connect with the computer



Image: An internal view of the ORICO WS500U3 highlighting the cooling fan and airflow for excellent heat dissipation.

7. Troubleshooting

If you encounter issues with your ORICO WS500U3, please refer to the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device not recognized by computer.	Loose USB cable connection, insufficient power, or drive not properly seated.	Ensure USB cable is securely connected to both the docking station and the computer. Verify the power adapter is connected and receiving power. Re-seat the hard drives in their bays. Try a different USB port on your computer.
Hard drive not appearing in 'My Computer'/'Finder'.	New drive not initialized/formatted, or drive not properly installed.	For new drives, go to Disk Management (Windows) or Disk Utility (macOS) to initialize and format the drive. Ensure the drive is correctly inserted and secured in its tray.
Slow data transfer speeds.	Connected to a USB 2.0 port, or drive performance limitations.	Ensure the docking station is connected to a USB 3.0 port on your computer (usually blue). Check the health and speed specifications of your hard drives.
Device goes to sleep too quickly/not waking up.	Intelligent sleep function active.	The device is designed to enter sleep mode after 10 minutes of inactivity. It should wake up automatically upon data access. If it doesn't, try disconnecting and reconnecting the USB cable.

8. Specifications

Feature	Detail
Model Number	WS500U3
Brand	ORICO
Number of Bays	5
Compatible Drive Types	2.5" / 3.5" SATA HDD & SSD
Max Capacity Per Drive	16 TB
Total Max Capacity	80 TB
Interface	USB 3.0 (Micro USB 3.0 Type B)
Data Transfer Rate	Up to 5 Gbps
Material	Aluminum Alloy
Color	Silver
Cooling System	Built-in Cooling Fan, Convective Heat Dissipation
Operating System Compatibility	Windows XP/7/8/10/10+, macOS, Linux
Intelligent Features	10-minute Automatic Sleep Function

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 with your product or visit the official ORICO website.

For technical support, troubleshooting assistance, or inquiries regarding your ORICO WS500U3, please contact ORICO customer service through their official website or the contact information provided in your product packaging. When

contacting support, please have your model number (WS500U3) and purchase details ready.
Official ORICO Website: www.oricotech.com

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Product specifications are subject to change without notice.

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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.

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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.

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