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› ORICO TS500 5-Bay NAS Enclosure User Manual

ORICO TS500

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Model: TS500

INTRODUCTION TO THE ORICO TS500 NAS

The ORICO TS500 is a high-performance 5-bay Network Attached Storage (NAS) enclosure designed for robust data storage, sharing, and management. It is ideal for both team and family environments, offering a secure and accessible local cloud solution. Equipped with a 4-core processor and 2GB DDR4 RAM, it supports hardware RAID for enhanced data security and performance. This manual provides comprehensive instructions for the setup, operation, and maintenance of your ORICO TS500 NAS enclosure.



Figure 1: Front view of the ORICO TS500 5-Bay NAS Enclosure.

PACKAGE CONTENTS

Before proceeding with the setup, please verify that all items are present in the package:

- ORICO TS500 5-Bay NAS Enclosure (diskless)
- Power Adapter
- Ethernet Cable
- Screws for HDD/SSD installation

- User Manual (this document)

SETUP GUIDE

1. Hardware Installation

Follow these steps to install hard drives into your ORICO TS500 NAS enclosure:

1. **Prepare Hard Drives:** Ensure your 3.5-inch or 2.5-inch SATA hard drives (HDDs) or solid-state drives (SSDs) are compatible. The enclosure supports up to 110TB total storage capacity.
2. **Open Drive Bays:** Gently pull the drive bay handles to slide out the drive trays.
3. **Install Drives:** Place each HDD/SSD into a drive tray. Secure the drives using the provided screws. Ensure the connectors align correctly.
4. **Insert Drive Trays:** Slide the filled drive trays back into the enclosure until they click into place.
5. **Connect Power:** Connect the power adapter to the NAS enclosure and then to a power outlet.
6. **Connect Network:** Connect one end of the Ethernet cable to the NAS enclosure's LAN port and the other end to your router or network switch.

Creating Home Storage Center

Record life anytime and anywhere without any restrictions



100TB Max
Storage Space



Personal Private
Documents



Shared by
Group



Figure 2: The ORICO TS500 NAS, ready for drive installation and serving as a central home storage solution.

2. Initial Software Configuration

After hardware installation, proceed with the software setup:

1. **Power On:** Press the power button on the front of the NAS enclosure. Wait for the system to boot up.
2. **Download Welink APP:** For mobile access and initial setup, download the "Welink" application from your device's app store (iOS/Android).

3. **Discover NAS:** Open the Welink app. The app should automatically discover your ORICO TS500 on the local network. If not, ensure your mobile device is connected to the same network as the NAS.
4. **Initialize Drives and RAID:** Follow the on-screen prompts in the Welink app to initialize the installed hard drives. You will be guided through setting up your preferred RAID configuration (e.g., RAID 0, 1, 5, 10, JBOD, Single Disk). Hardware RAID is supported.
5. **Create User Accounts:** Set up administrator and user accounts as prompted. This is crucial for secure access and data management.
6. **Network Settings:** Configure network settings, including static IP address if desired, though DHCP is usually sufficient for most home networks.

OPERATING INSTRUCTIONS

1. Data Storage and Access

The ORICO TS500 allows flexible data storage and access:

- **Local Network Access:** Access shared folders from any computer on your local network using standard network protocols (e.g., SMB/CIFS for Windows, AFP for macOS, NFS for Linux).
- **Mobile App Access (Welink):** Use the Welink app on your mobile device to upload, download, stream, and manage files remotely. The app provides automatic VPN security for direct file access.
- **Remote Access:** Configure remote access through the Welink app for secure access to your files from outside your home network.

VPN- SDVN

Professional Data Protection

Peer-to-peer connection, data is transferred between the NAS and the device rather than through any other server



Figure 3: Professional data protection via SDVN peer-to-peer connection.

2. Media Sharing (DLNA & Samba)

The NAS supports media sharing protocols:

- **DLNA:** Enable the DLNA media server function to stream videos, photos, and music directly from your NAS to DLNA-compatible smart TVs, media players, and other devices on your network.
- **Samba:** Utilize Samba (SMB/CIFS) for easy file sharing across multiple devices within your local network, allowing seamless access to shared folders.



NAS

LAN

TV

Your Private Video Library

DLNA function – Project videos from the NAS to the TV

Figure 4: DLNA function allows projecting videos from the NAS to a TV.

3. Data Backup and Synchronization

Ensure your data is safe with backup features:

- **Remote Data Backup:** Use the Welink APP to perform online editing of pictures and documents, and to back up data from your mobile devices to the NAS.
- **Team/Family Storage:** The NAS serves as a central storage hub for teams and families, enabling easy management and secure storage of all valuable data.

Remote Data Backup

Online editing of pictures and documents via Weline APP



Figure 5: Remote data backup and management capabilities using the Weline APP.

MAINTENANCE

1. System Updates

Regularly check for and install system updates through the Weline app or web interface to ensure optimal performance, security, and access to new features.

2. Drive Health Monitoring

Monitor the health of your installed hard drives through the NAS management interface. Replace any failing drives promptly, especially if using RAID configurations that allow for drive redundancy.

3. Cleaning and Ventilation

Keep the NAS enclosure clean and ensure proper ventilation. The built-in fan provides efficient heat dissipation, maintaining an optimal operating temperature of approximately 35°C. Avoid blocking air vents.

High Efficiency Heat Dissipation

Built-in high speed bass fan, fast cooling to keep the hard disk stable and quiet.



Cooling Fan

Operational State

CPU Temperature:

35.0°C

Hard Drive Temperature:

35°C

Intranet Transmission:

60-80MB/s

Cross-region Transmission:

4-7MB/s



Figure 6: High-efficiency heat dissipation system with built-in cooling fans ensuring stable operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
NAS not powering on.	Power cable loose; power adapter faulty; power outlet issue.	Check power cable connection. Try a different power outlet. Ensure power adapter is functioning.
NAS not detected on network.	Ethernet cable loose/faulty; incorrect network settings; router issue.	Verify Ethernet cable connection. Restart NAS and router. Check network settings in Welink app.
Cannot access files via Welink app.	Incorrect login credentials; network connectivity issues; app not updated.	Double-check username and password. Ensure stable internet connection. Update Welink app to the latest version.
Hard drives not recognized.	Drives not properly seated; drives faulty; drives not initialized.	Ensure drives are securely installed. Test drives individually if possible. Initialize drives via the Welink app.
Slow data transfer speeds.	Network congestion; faulty Ethernet cable; drive performance issues.	Reduce network traffic. Replace Ethernet cable. Check drive health and RAID configuration.
Cannot reset unit to factory default.	Incorrect reset procedure; hardware malfunction.	Refer to the specific reset procedure in the advanced settings of the Welink app or contact ORICO support for guidance. Avoid prolonged button presses without clear instructions.

SPECIFICATIONS

Feature	Detail
Brand	ORICO
Model	TS500
Drive Bays	5-bay
Max Capacity	Up to 110 TB (total)
Processor	4-core
RAM	2GB DDR4
RAID Support	Hardware RAID
Network Protocols	Samba, DLNA

Feature	Detail
Connectivity	Ethernet, APP (Welink)
Cooling	Built-in fan for heat dissipation
Material	Metal
Dimensions	43cm x 20cm x 43cm (approximate)
Compatible Devices	Laptop, Desktop Computer, Mobile Devices

WARRANTY AND SUPPORT

ORICO offers a **18-month warranty** for the TS500 NAS enclosure and provides **lifetime service support**. If you encounter any questions regarding the application settings, NAS configuration, or any other issues, please do not hesitate to contact ORICO customer service.

For support, please visit the official ORICO website or refer to the contact information provided in your product packaging.

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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

