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› ORICO CD3520 NAS Server User Manual

ORICO CD3520

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Model: CD3520

1. INTRODUCTION

The ORICO CD3520 is a Network Attached Storage (NAS) device designed for home and small office environments. It provides centralized data storage, family cloud capabilities, and secure remote access for your digital content, including photos, videos, and documents. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your ORICO CD3520 NAS server.



Figure 1.1: ORICO CD3520 NAS Server, a compact device for centralized data storage.

2. KEY FEATURES

- **Family Cloud Storage:** Offers independent access for multiple user accounts, allowing secure backup of photos, videos, and movies up to 20TB (using a 3.5-inch SATA hard drive). It supports separation of private content from shared content.
- **Powerful Performance:** Equipped with a quad-core processor and DDR4 memory, ensuring fast decoding and quick access for reading and editing files.
- **Efficient Transmission Speeds:** Achieves intranet speeds of 60-80MB/s. Inter-regional transmission speeds are typically 1-2MB/s, with options to purchase accelerated traffic within the application for enhanced remote performance.
- **Remote Access:** Provides app-based remote access and VPN capabilities for accessing your data from anywhere.

- **Smart Backup:** Features intelligent backup solutions to protect your valuable data.

Powerful Performance, Smooth Experience

Watch videos without delays, enjoy 4k ultra experience



Figure 2.1: Illustration of the ORICO CD3520's powerful performance, enabling smooth 4K video playback and efficient data handling.

3. SETUP GUIDE

3.1. Package Contents

Before proceeding, ensure all components are present:

- ORICO CD3520 NAS Server Unit

- Power Adapter
- Ethernet Cable
- User Manual (this document)
- (Optional) 3.5-inch SATA Hard Drive (not included)

3.2. Hard Drive Installation

The ORICO CD3520 supports a single 3.5-inch SATA hard drive up to 20TB capacity.

1. Ensure the NAS server is powered off and disconnected from the power outlet.
2. Locate the hard drive bay. Refer to the product diagram for specific access.
3. Gently slide your 3.5-inch SATA hard drive into the bay until it is securely seated and connected to the SATA interface.
4. Close the hard drive bay cover, ensuring it clicks into place if applicable.

Up to 22TB Storage Expansion

Multi-device centralized storage with video, audio, and picture categorization

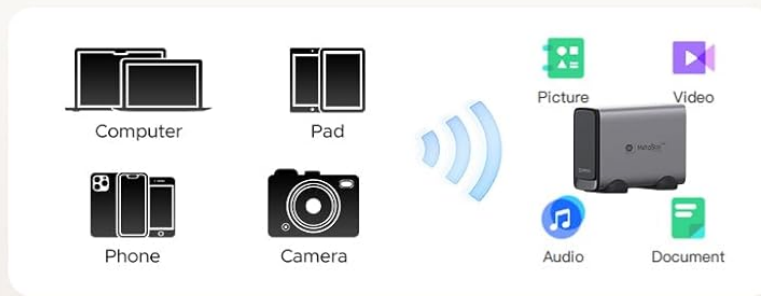


Figure 3.1: The ORICO CD3520 supports significant storage expansion, accommodating a 3.5-inch SATA hard drive for up to 20TB of data.

3.3. Connecting the Device

1. Connect one end of the provided Ethernet cable to the LAN port on the back of the ORICO CD3520 and the other end to an available port on your router or network switch.
2. Connect the power adapter to the DC-in port on the NAS server and then plug the adapter into a power outlet.
3. Press the power button (if available) to turn on the device. Wait for the indicator lights to stabilize, indicating the device is ready.

3.4. Initial Setup via Mobile Application

The primary method for initial setup and management is through the dedicated mobile application. While PC software may exist, the mobile app is recommended for a smoother experience.

1. Download the official ORICO NAS application from your mobile device's app store (e.g., Apple App Store for iOS, Google Play Store for Android).
2. Ensure your mobile device is connected to the same local network as the ORICO CD3520 NAS.
3. Open the ORICO NAS application. The app should automatically detect your NAS server.
4. Follow the on-screen prompts within the app to complete the initial setup, which typically includes creating an administrator account, formatting the hard drive, and configuring basic network settings.
5. *Note on Language:* The application language synchronizes with your mobile device's system language. If you wish to use a different language, change your device's system language settings.

4. OPERATING INSTRUCTIONS

4.1. Accessing Your NAS

You can access your ORICO CD3520 NAS locally or remotely:

- **Local Access:** Use the mobile application or a web browser on a device connected to the same local network. The app will typically list the NAS, or you can enter its IP address in a browser.
- **Remote Access (App):** The ORICO NAS app facilitates remote access. Ensure your NAS is connected to the internet and follow the app's instructions to enable remote connectivity. This often involves setting up a cloud account or VPN access through the app.

APP Remote Access

Enjoy the ultimate 4K experience anywhere.



Figure 4.1: The ORICO NAS app allows for convenient remote access to your data, enabling you to enjoy your content from anywhere.

4.2. Managing Family Cloud Storage

The ORICO CD3520 allows for multiple user accounts, each with independent access and privacy settings.

- **Creating User Accounts:** Within the mobile application, navigate to the user management section to create new accounts for family members or colleagues.
- **Setting Permissions:** Assign specific permissions and storage quotas to each user. You can designate private folders for individual users and shared folders for collaborative access.

- **Data Backup:** Utilize the app's features to back up photos, videos, and documents from connected devices directly to the NAS.

4.3. File Management and Sharing

The NAS provides tools for efficient file organization and sharing.

- **Browsing Files:** Use the app's file browser to navigate through your stored data.
- **Uploading/Downloading:** Easily upload new files to the NAS or download existing files to your device.
- **Instant Sharing:** Share files or folders with others directly from the NAS. The app provides options for generating shareable links or inviting specific users.

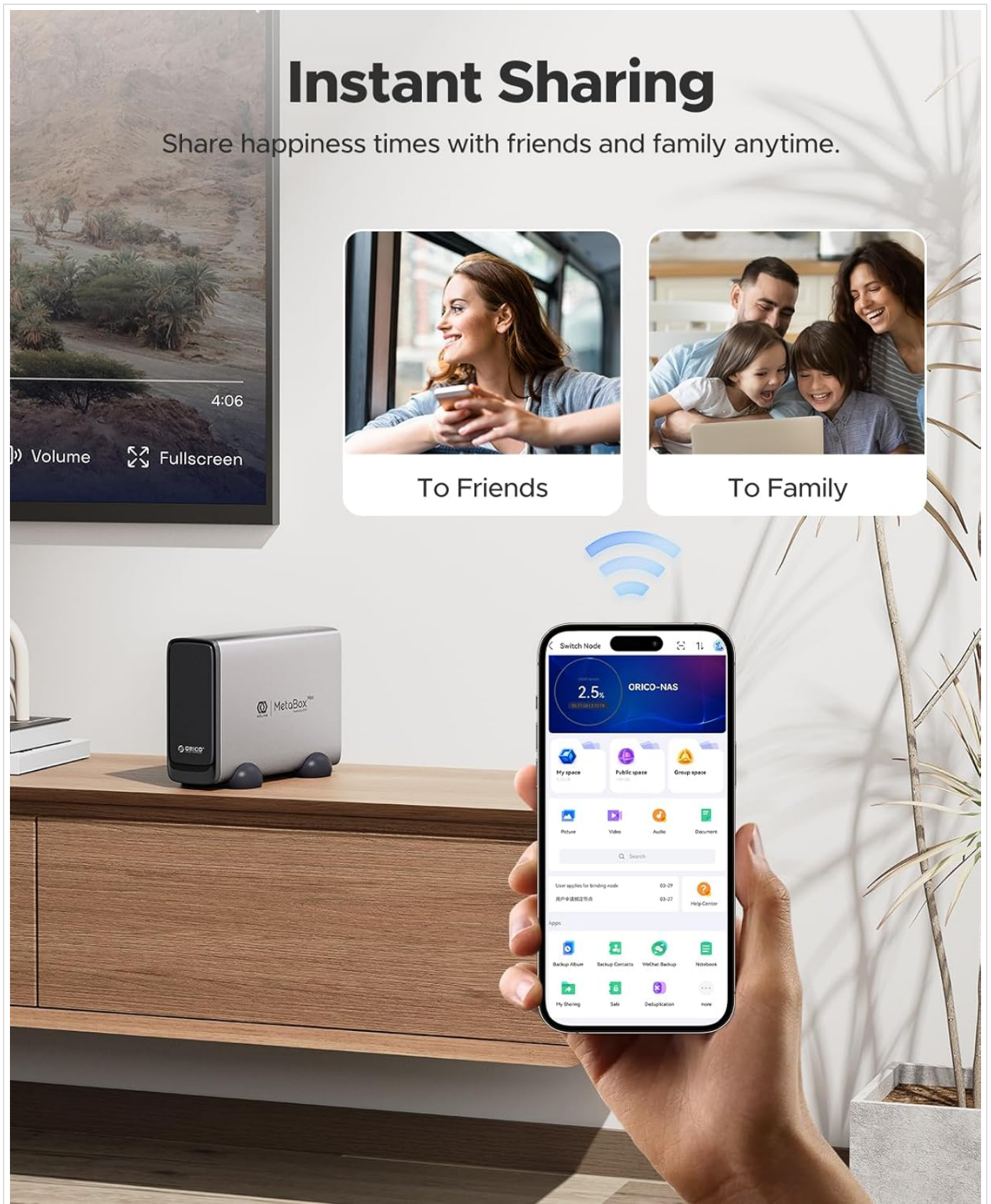


Figure 4.2: The ORICO CD3520 enables instant sharing of media and documents with friends and family.

4.4. Building a Personal Media Center

Leverage the ORICO CD3520 to centralize your media library.

- **Media Organization:** Store all your photos, videos, and music in one place.
- **Streaming:** Stream media content directly from the NAS to compatible devices on your network or remotely via the app.
- **Fast Decoding:** The powerful hardware ensures smooth playback of high-resolution media, including 4K content.

Build Your Personal Media Center



Figure 4.3: Transform your ORICO CD3520 into a personal media center, centralizing all your digital content.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ORICO CD3520 NAS server.

- **Data Backup:** While the NAS itself is a storage solution, it is crucial to implement a *3-2-1 backup strategy* (3 copies of your data, on 2 different media, with 1 copy offsite) for critical data. The NAS protects against single drive failure (if RAID were supported, which it isn't for a single drive NAS), but not against theft, fire, or accidental deletion.

- **Software Updates:** Periodically check the ORICO NAS application for available firmware or software updates. Keeping your device's software up-to-date ensures security patches, bug fixes, and new features.
- **Cleaning:** Dust can accumulate and affect cooling. Gently clean the exterior of the NAS with a soft, dry cloth. Ensure ventilation openings are clear of obstructions. Do not use liquid cleaners directly on the device.
- **Hard Drive Health:** Monitor the health of your installed hard drive through the NAS application. Some applications provide S.M.A.R.T. data or basic health checks. Consider replacing the drive if any warnings appear.
- **Ventilation:** Ensure the NAS is placed in a well-ventilated area, away from direct sunlight or heat sources, to allow its internal cooling fan to operate effectively.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ORICO CD3520 NAS server.

6.1. Device Not Powering On

- Ensure the power adapter is securely connected to both the NAS and a working power outlet.
- Verify the power outlet is functional by plugging in another device.
- Check if the power button (if present) has been pressed firmly.

6.2. NAS Not Detectable on Network

- Confirm the Ethernet cable is securely connected to both the NAS and your router/switch.
- Check the network indicator lights on the NAS and your router/switch to ensure network activity.
- Restart your router and the NAS server.
- Ensure your mobile device (for app setup) is connected to the same local network as the NAS.

6.3. Hard Drive Not Recognized

- Ensure the hard drive is properly seated in its bay and connected to the SATA interface.
- Verify that the hard drive is a 3.5-inch SATA drive.
- If it's a new drive, it may need to be formatted through the ORICO NAS application. Follow the app's instructions for drive initialization.
- Test the hard drive in another device (if possible) to rule out a faulty drive.

6.4. Slow Transmission Speeds

- **Local Network:** Ensure your network cables are Cat5e or Cat6. Check for network congestion or interference.
- **Remote Access:** Remote speeds are dependent on your internet service provider's upload speed and the recipient's download speed. Inter-regional speeds are typically lower (1-2MB/s). Consider purchasing accelerated traffic within the app if available and necessary for higher remote performance.
- Ensure the NAS firmware and app are up-to-date.

6.5. Application Language Mismatch

- The ORICO NAS application's language is synchronized with your mobile device's system language. To change the app language, adjust your mobile device's system language settings.

7. SPECIFICATIONS

| Feature | Detail |
|---------|--------|
| Brand | ORICO |

| | |
|--|---|
| Model Number | CD3520 |
| Product Type | Mobile-ITX NAS Server |
| Processor | Quad-core |
| Memory | DDR4 |
| Supported Hard Drive | 1 x 3.5-inch SATA HDD |
| Maximum Storage Capacity | Up to 20TB |
| Intranet Transmission Speed | 60-80MB/s |
| Inter-regional Transmission Speed | 1-2MB/s (accelerated traffic available) |
| Mounting Type | Table Mount |
| Assembly Required | No (for the unit itself, HDD installation required) |

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Specific warranty terms and conditions for the ORICO CD3520 NAS server are typically provided with your purchase documentation or can be found on the official ORICO website. Please retain your proof of purchase for warranty claims.

8.2. Technical Support

For technical assistance, troubleshooting beyond this manual, or product inquiries, please visit the official ORICO support website or contact their customer service. Contact details are usually available on the ORICO website or in your product packaging.

Note: Information regarding software updates guarantee and spare parts availability was not provided. Please refer to the manufacturer's official channels for the most current information.