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UGREEN DH2300

UGREEN NASync DH2300 2-Bay NAS User Manual

Model: DH2300

1. INTRODUCTION

The UGREEN NASync DH2300 is a 2-bay Network Attached Storage (NAS) device designed for home and office use. It provides a centralized solution for storing, managing, and accessing your digital files securely across various devices. Key features include 1 GbE LAN, 4GB RAM, NFC One-Touch connection, and an AI-powered photo album for intelligent organization.



Figure 1.1: Front view of the UGREEN NASync DH2300 NAS device.

2. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation:

- UGREEN NASync DH2300 x1
- Screws and Screwdriver x1
- User Manual x1
- Power Adapter (DC12V/6A) x1
- Ethernet Cable (CAT 7) x1



Figure 2.1: Included accessories and components.

3. PHYSICAL OVERVIEW

Familiarize yourself with the ports and indicators on your NAS device.



Figure 3.1: Front and Rear Panel Connections.

Front Panel

- **Power Button:** Press to power on/off the device.
- **Status Indicators:** LEDs for LAN, Disk 1, Disk 2, and USB-C activity.
- **NFC Area:** For one-touch connection with compatible devices.

Rear Panel

- **USB-C (5Gbps) x1:** For connecting external devices.
- **USB-A (5Gbps) x2:** For connecting external devices.
- **Reset Button:** Used for system reset (refer to troubleshooting for details).
- **1 GbE LAN Port:** For network connection.
- **HDMI (4K 60Hz) Port:** For direct display output.
- **DC 12V Power Input:** Connect the power adapter here.

4. SETUP

4.1 Hardware Installation

1. **Install Hard Drives:** Open the drive bays and securely install your 3.5-inch or 2.5-inch SATA hard drives (not included). Ensure they are properly seated.
2. **Connect Power:** Connect the provided power adapter to the DC 12V input port on the rear of the NAS and then to a power outlet.
3. **Connect to Network:** Use the included Ethernet cable to connect the 1 GbE LAN port on the NAS to your router or network switch.
4. **(Optional) Connect to Display:** If you wish to use the 4K HDMI output, connect an HDMI cable from the NAS to your TV or monitor.

4.2 Initial Software Setup

1. **Power On:** Press the power button on the front panel. The status indicators will light up.
2. **Download UGREEN NAS App:** Download the 'UGREEN NAS' application from your device's app store (iOS/Android) or access the web interface via a browser on your computer (Windows/macOS).
3. **NFC One-Touch Connection:** For quick setup, open the UGREEN NAS app on your smartphone and tap your phone against the NFC area on the front of the NAS. Follow the on-screen prompts to establish a connection and begin initial configuration, including creating an account and setting up storage pools.
4. **Manual Connection:** Alternatively, you can manually connect by entering the NAS's IP address in the app or web interface.

Tocca per connetterti

Collega il tuo telefono al NASync DH2300 con un semplice tocco.



Figure 4.1: NFC One-Touch Connection.

5. OPERATION

5.1 Data Management and Access

The UGREEN NASync DH2300 allows you to store and access your files from various platforms:

- **Cross-Platform Access:** Access your data from Windows, macOS, Android, iOS devices, web browsers, and Smart TVs.
- **Automatic Backup:** Configure automatic backups for your photos, videos, and documents from connected devices to ensure your data is always safe.
- **AI Photo Album:** The integrated AI automatically organizes your photos by faces, scenes, and locations. It can also identify and remove duplicate images and create personalized albums. Share photos easily via QR codes or links.



Figure 5.1: AI Photo Album Features.

5.2 Multimedia Playback

Utilize the NAS as a central media hub:

- **4K Ultra HD Output:** Connect the NAS directly to your TV via HDMI to enjoy your movie collection in 4K resolution.
- **DLNA Support:** Stream media content to DLNA-compatible devices on your network.



Figure 5.2: 4K Home Cinema Experience.

5.3 Security and Data Protection

Your data is protected with multiple layers of security:

- **Advanced Encryption:** All file transfers are encrypted to ensure data privacy.
- **Firewall:** Built-in firewall protects against unauthorized network access.
- **Two-Factor Authentication (2FA):** Adds an extra layer of security for user logins.
- **RAID Modes:** The 2-bay NAS supports RAID 0, RAID 1, and JBOD configurations. RAID 1 provides data redundancy by mirroring data across two drives, protecting against single drive failure.

Il modo più intelligente per trovare le foto



Figure 5.3: Data Security Features.

5.4 User Management and Sharing

Manage user access and share files securely:

- **Full Data Control:** Create separate folders and private spaces for each family member or user.
- **Granular Permissions:** Assign read/write or read-only permissions to users for specific folders.
- **Secure Sharing:** Share files and albums with others using secure links or QR codes.

Crittografia avanzata

I trasferimenti di file crittografati garantiscono che i tuoi dati rimangano sicuri in ogni fase.



Modalità RAID



Autenticazione a due fattori



Controlli delle autorizzazioni



Trasmissioni crittografate

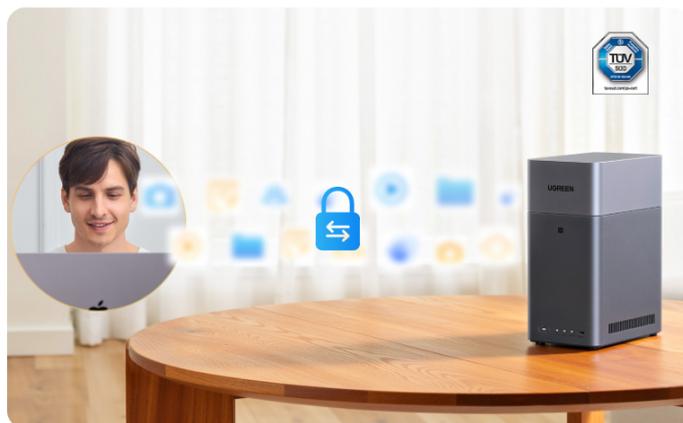


Figure 5.4: User Access Control.

6. MAINTENANCE

- **Regular Software Updates:** Ensure your NAS firmware and UGREEN NAS app are always updated to the latest versions for optimal performance and security.
- **Data Backup:** While RAID 1 provides redundancy, it is recommended to perform regular backups of critical data to an external drive or another storage solution.
- **Physical Cleaning:** Keep the NAS unit clean and free from dust to ensure proper ventilation and prevent overheating.

7. TROUBLESHOOTING

If you encounter issues with your UGREEN NASync DH2300, refer to the following common solutions:

- **NAS Not Powering On:** Check the power adapter connection and ensure the power outlet is functional.
- **No Network Connection:** Verify the Ethernet cable is securely connected to both the NAS and your router. Check your router's status and network settings.
- **Cannot Access Files:** Ensure the NAS is powered on and connected to the network. Check user permissions and ensure the hard drives are properly installed and healthy.
- **Slow Performance:** Network congestion, old Ethernet cables, or high CPU/disk usage can affect performance. Check your network speed and NAS resource monitor.
- **System Reset:** If the NAS is unresponsive, use a paperclip to press and hold the reset button on the rear panel for 4 seconds to reset network settings without losing data. For a full factory reset (data loss possible), consult the advanced user guide on the UGREEN support website.

8. SPECIFICATIONS

Feature	Specification
Model	DH2300
Drive Bays	2
Processor	8-Core CPU, 6 TOPS NPU
RAM	4GB LPDDR4X
LAN Port	1 GbE
HDMI Output	4K 60Hz
USB Ports	1x USB-C (5Gbps), 2x USB-A (5Gbps)
NFC	Yes, One-Touch Connection
Max Storage Capacity	Up to 60TB (Hard drives not included)
Power Consumption (TDP)	10W
Dimensions	23.8 x 21.7 x 19.7 cm
Weight	1.69 kg

9. WARRANTY AND SUPPORT

UGREEN products come with a limited warranty. For detailed warranty information, technical support, and additional resources, please visit the official UGREEN website or contact UGREEN customer service. Keep your purchase receipt for warranty claims.

Related Documents - DH2300





製品概要

対応規格
電源: AC100V
電源: ショックプルーフ
ネットワークポート: RJ45ポート
USBポート: USB 3.0 Gen1ポート
USBポート: USB 3.0 Gen2 10Gbpsポート

インジケータ

LED	色	状態	説明
電源インジケータ	白	点灯	電源オン
	白	点滅 (0.5秒以上点滅)	システム停止状態
ハードドライブインジケータ	赤	点滅	電源エラー
	赤	点滅	警告状態
LANポートインジケータ	点滅	データ転送	データ転送
	点滅	リンク確立	ネットワーク接続
ネットワークポートインジケータ	点滅	データ転送	データ転送
	点滅	リンク確立	ネットワーク接続

プザー

状態	動作
電源オン	電源ボタン
ネットワークポートポート	ネットワークポート
ドライブエラー	ドライブエラー
システムエラー	システムエラー

ハードウェア仕様

製品名	ネットワーク接続ストレージ
型番	DH2300
ハードウェアタイプ	NAS
プロセッサ	ARMv8
メモリ容量	4GB (最大 16GB) (標準メモリの増設はできません)
ストレージタイプ	2.5インチ SATA
ストレージモード	RAID0/RAID1/RAID5/RAID6
サポートされるドライブ	SATA 6Gb/s 2.5インチ SATA III 7mm SATA III 7mm
ハードウェア	ARMv8、RAM、RAIDコントローラ
対応フォーマット	ext4、btrfs、ZFS、HFS+、NTFS、FAT32
USBポート	USB 3.0 Gen1ポート x1、USB 3.0 Gen2 10Gbpsポート x1
電源入力	100V-240V
動作環境	温度: 5°C~35°C (動作時)
湿度	5%~95% (動作時)
保証	3年保証 (ハードウェア)

注意事項

NASデバイスは、本書の説明に従って設置してください。

NASは、電源が切れている状態でも電源が消費されています。電源が切れている状態でも電源が消費されています。電源が切れている状態でも電源が消費されています。

電源が切れている状態でも電源が消費されています。電源が切れている状態でも電源が消費されています。電源が切れている状態でも電源が消費されています。

II. ハードウェアのセットアップ

1. セットアップの前に

NASデバイスの電源を入れた状態で、ハードウェアコンポーネントを確認してください。電源が切れている状態でも電源が消費されています。電源が切れている状態でも電源が消費されています。

2. 工具の準備

ハードウェアコンポーネントを接続し、以下のツールを準備してください。

- 1. 十字ドライバー
- 2. 六角レンチ
- 3. 2.5インチ SATA または 2.5インチ SATA III ハードドライブ

注意: 十字ドライバーを使用する場合は、ドライバーを正確に使用してください。六角レンチを使用する場合は、六角レンチを正確に使用してください。2.5インチ SATA または 2.5インチ SATA III ハードドライブを使用する場合は、ハードドライブを正確に使用してください。

3. ハードドライブを引出す

1. 前面パネルを開きます。 2. ドライブベイにあるリネラを押し下げ、ドライブベイを引出します。

3.5インチハードドライブの取り付け

1. ドライブベイにハードドライブを挿入し、リネラを押し上げて固定します。

2. ドライブを固定する。ネジを締め、リネラを押し上げて固定します。

3. リネラを戻す。ドライブを固定し、リネラを押し上げて戻します。一度戻すと、リネラは自動的にロックされます。

2.5インチハードドライブの取り付け

1. ドライブベイにハードドライブを挿入し、リネラを押し上げて固定します。

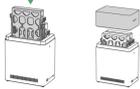
[UGREEN NASync DH2300](#)

[UGREEN NASync DH2300](#)

2.ドライブを固定する。ネジを挿入後、ドライブをハードドライブを固定し
ます。

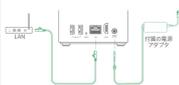


3.ドライブを戻す。ドライブを固定したドライブトレイを戻し、一度蓋を閉
じしてから、上部カバーを押し込みます。



NASの起動

1.電源ケーブルを接続し、電源ボタンを押して電源を入れます。
2.電源が正常に動作し、LEDが点灯し、ファームウェアの更新が始ま
ります。
3.更新が完了すると、電源が入ります。多量なデータ転送時には、電源
がオフになります。



注意：
電源の接続を誤ると、ハードウェアの損傷やデータの消失を招く
可能性があります。電源ケーブルを接続する際は、必ず電源が
オフの状態であることを確認してください。また、電源が正常に
動作しない場合は、電源ケーブルを接続し直し、電源が入るま
で待機してください。

警告
電源の接続を誤ると、ハードウェアの損傷やデータの消失を招く
可能性があります。電源ケーブルを接続する際は、必ず電源が
オフの状態であることを確認してください。

ファームウェアのアップデート

電源が安定している状態で、ファームウェアのアップデートを実行し
てください。アップデート中は電源がオフになりません。

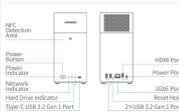
UGREEN NASync DH2300

1. Preparation

Package Contents



Product Overview



Indicator

LED	Color	Status	Description
Power Indicator	White	On	Power on
		Flashing (once per 0.5 seconds)	System initialization
Red	Flashing (once per second)	Flashing (once per second)	Power off
		Flashing (once per second)	Device error
Hard drive Indicator	White	Flashing (once per second)	Error
		Flashing	Read/Write
		On	Running
LAN network Indicator	White	On	Internet connected
		Flashing	Internet not connected

Buzzer

Status	Beeper
Power on	Beep once
Reset network and password	Beep once
System reset	Beep 3 times
Hard drive error	Beep every 3 seconds
System error	Beep every 2 seconds

Hardware Specification

Product Name	Network Attached Storage
Model	DH2300
Operating System	Android
Processor	4x Cortex-A73
Memory Capacity	4 GB or 8 GB (depends on the actual configuration of the device model, non-expandable)
System Storage	32 GB eMMC
Storage Mode	(RAID) Btrfs (RAID 0/RAID 1)
Supported Drive	2 SATA 6 Gbps, supports 2.5/3.5" hard drive
HDMI Port	1x HDMI port, supports resolutions up to 4K
LAN Ethernet Port	1x LAN port, supports 1 Gbps and backward compatible
USB Ethernet Port	1x Type-C USB 3.2 Gen 1 port, theoretical speed up to 10 Gbps
USB Port	2x USB 3.2 Gen 1 ports, theoretical transfer rate up to 10 Gbps
Power Input	12V = 4.2A
Working Environment	Temperature: 0°C ~ 40°C (32°F ~ 104°F) Humidity: 10% to 85%
Product Dimensions	115.5x95.0x117.0mm

Notices

- Please place the NAS device as referred to in the illustrations in this manual.
- Please put the NAS in an environment with a stable temperature and low humidity. Avoid direct sunlight or any liquids coming into contact with the device.
- In the event of a thunderstorm or unexpected voltage, power off the device to avoid potential damage.
- Keep the device away from heat sources or humid environments to reduce the risk of fire or electric shock.
- Do not insert foreign objects into the NAS to avoid damage caused by abnormal use or short circuit.
- Reset power off the NAS device before cleaning. When cleaning, use a moist rag. Do not use chemicals or strong cleaners.
- Do not drop, squeeze, vibrate, impact, or throw the NAS.
- This device contains small parts and pieces, please keep it out of reach of children to prevent choking due to unintended swallowing.
- Do not disassemble or fix the NAS device by yourself. Improper disassembly and assembly may cause electric shock or other safety hazards. If repair or replacement parts and/or accessories are required, please contact UGREEN NAS customer service.

WARNING

- This product contains a built-in Lithium Manganese Dioxide battery. Do not dismantle, crush, squeeze, or expose to fire.
- Do not expose this product to excessive temperatures.
- Please keep the product out of reach from children.
- If the battery has been accidentally swallowed or placed inside any part of the body, it may cause internal burns or other hazards. Seek medical attention immediately.
- Do not charge the battery. If the battery is low, promptly replace it. When replacing the battery, ensure the battery polarity is not reversed.
- If battery leakage occurs, avoid contacting with skin or eyes. In case of contact with skin or eyes, rinse with water and seek medical attention immediately.
- Keep depleted batteries out of reach from children, and dispose of or recycle it properly in accordance to local laws and regulations.



II. Hardware Setup

Before Setup

Do NOT touch or remove any hardware components while the NAS device is powered on. Before performing any installation, removal, or maintenance tasks, ensure that the device is fully shut and disconnected from the power supply to prevent possible file loss, data corruption, or damage to the drive.

Tool Preparation

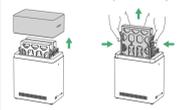
Before installing the hardware, please prepare the following tools and parts:



Note:
* It is recommended to use new drives. When installing any hard drive, the NAS system will format the drive, erasing ALL existing data. Ensure any important data is backed up prior to installation.
* When setting up a "Redundant" it is recommended to use hard drives with the same capacity. This allows you to maximize storage capacity utilization and reduce the risk of data loss.

Pull out Hard Drive Tray

1. Remove the top cover. 2. Gently press the buckle on the top cover, then pull out the drive tray.



Install 3.5" Hard Drive

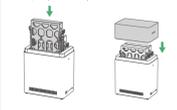
1. Install the drive: Fit the drive into the tray. Ensure the screw holes on the tray (drive on each side) are aligned with the screw holes on the hard drive.



2. Secure the drive: Tighten the screws to fasten the hard drive to tray.



3. Put back the tray: Insert the loaded drive tray back and push it till the end, then push back the top cover.



Install 2.5" Hard Drive

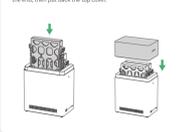
1. Install the drive: Flip the tray to its back and align the four empty screw spaces at the bottom of the drive with the screw holes on the tray.



2. Secure the drive: Tighten the screws to fasten the hard drive to tray.



3. Put back the tray: Insert the loaded drive tray back and push it till the end, then push back the top cover.



Start up Your NAS

1. Use an Ethernet cable to connect the NAS to a LAN port on the router or the Ethernet switch.
2. Connect a power supply to the device using the power adapter.
3. Press the power button to turn it on. For hardoff, press and hold the button for about 5s.



Note:
* To ensure data transfer efficiency, it is recommended to use a router or switch with a gigabit Ethernet or higher and to connect the NAS using the included Ethernet cables.
* After powering on the device, please click "UGREEN NAS" then go to "Format Panel" -> "Format & Power" to select automatic startup after powering on.

Warning:
Only use the original power adapter or a safety-certified power adapter that meets the device's power specifications to prevent potential explosion hazards.

Firmware Update

Only update firmwares with stable power supply.
Do NOT disconnect the power supply during the update process.

[UGREEN NASync DH2300: Setup Guide and Specifications](#)

A comprehensive guide to setting up and configuring the UGREEN NASync DH2300 Network Attached Storage device, covering hardware installation, software setup, product overview, and technical specifications.



[UGREEN NASync DXP4800 User Manual: Setup, Installation, and Specifications](#)

Comprehensive guide for the UGREEN NASync DXP4800 Personal Cloud Storage. Learn about installation, setup, features, specifications, and precautions for this 4-bay diskless NAS.



[UGREEN NASync DXP8800 Plus: 8-Bay Personal Cloud Storage NAS User Manual](#)

Detailed user manual for the UGREEN NASync DXP8800 Plus, an 8-bay diskless NAS for personal cloud storage, home offices, studios, and small businesses. Covers installation, setup, indicators, and specifications.



[UGREEN NASync DXP480T Plus Network Attached Storage User Manual](#)

Comprehensive user manual for the UGREEN NASync DXP480T Plus, detailing setup, installation of M.2 drives and memory modules, network configuration, features, and specifications for this advanced network-attached storage solution.

[UGREEN NASync DH4300 Plus: Setup, Configuration, and User Guide](#)

Comprehensive guide to setting up and managing your UGREEN NASync DH4300 Plus. Learn about hardware installation, software setup, account registration, storage management, and system resets.

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