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› D-Link DNS-321-1TB ShareCenter 2-Bay Network Storage User Manual

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Model: DNS-321-1TB

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your D-Link DNS-321-1TB ShareCenter 2-Bay Network Storage device. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its capabilities.

The D-Link DNS-321-1TB ShareCenter is designed to securely store and share your digital files, including documents, music, videos, and photos, across your network. It offers robust features for data management and accessibility.

PRODUCT OVERVIEW



Image: Front view of the D-Link DNS-321-1TB ShareCenter, a black rectangular device with a vertical blue light strip on the front panel and D-Link branding.

Key Features

- Secure and share your digital files.
- Supports up to two internal 3.5" SATA hard drives for tool-less installation.
- Data protection through mirrored hard drives (RAID 1 technology) for regular backups.
- Remote access to stored files over the Internet.
- Equipped with four different hard drive modes, Jumbo Frames support, and Gigabit connectivity.
- Includes built-in servers such as BitTorrent, UPnP AV media servers, and FTP.
- Management program for easy rule and schedule configuration.

PACKAGE CONTENTS

Verify that all items are present in your package:

- D-Link DNS-321-1TB ShareCenter 2-Bay Network Storage Device
- 1TB Hard Drive (pre-installed or included)
- Power Adapter
- Ethernet Cable
- Quick Installation Guide
- Resource CD (containing software and full manual)

SETUP GUIDE

Hardware Installation

1. Install Hard Drives:

The DNS-321-1TB supports up to two 3.5-inch SATA hard drives. If your device did not come with a pre-installed hard drive or you wish to add a second one, gently slide the hard drive(s) into the bays until they click into place. No tools or cables are required for this step.

2. Connect to Network:

Connect one end of the provided Ethernet cable to the Gigabit Ethernet port on the back of the ShareCenter and the other end to an available LAN port on your router or network switch.

3. Connect Power:

Connect the power adapter to the DC-in port on the ShareCenter and then plug the adapter into a power outlet. The device will power on automatically.

Software Configuration

Once the hardware is connected, use the Resource CD or download the latest utility from the D-Link support website to configure your ShareCenter. The utility will help you discover the device on your network, set up RAID configurations (if using two drives), create user accounts, and configure network shares.

- Run the D-Link ShareCenter Setup Wizard.
- Follow the on-screen prompts to assign an IP address, set up administrator password, and configure disk modes (Standard, JBOD, RAID 0, RAID 1).
- Create shared folders and user accounts with appropriate access permissions.

OPERATING INSTRUCTIONS

Accessing Your ShareCenter

• Local Network Access:

From a computer on the same network, you can access shared folders by navigating to Network Locations or by typing the ShareCenter's IP address or hostname in your file explorer (e.g., `\\DNS-321-1TB` or `\\192.168.1.X`).

• Remote Access (Internet):

Configure port forwarding on your router for FTP or HTTP/HTTPS access to the ShareCenter. Use the D-Link management program to enable remote access features. You will need your public IP address or a Dynamic DNS (DDNS) service to connect from outside your local network.

Using Built-in Servers

- **UPnP AV Media Server:**

Enable the UPnP AV server in the ShareCenter's web interface. This allows compatible media players (e.g., smart TVs, game consoles) on your network to stream media files directly from the ShareCenter.

- **FTP Server:**

Activate the FTP server to allow file transfers using an FTP client. This is useful for remote access and large file transfers.

- **BitTorrent Client:**

The integrated BitTorrent client allows you to download files directly to your ShareCenter without needing a computer to be constantly on. Configure download paths and manage torrents via the web interface.

MAINTENANCE

- **Regular Backups:**

Even with RAID 1, it is recommended to perform regular backups of critical data to an external drive or cloud service.

- **Firmware Updates:**

Periodically check the D-Link support website for firmware updates. Updating the firmware can improve performance, add new features, and fix bugs.

- **Disk Health Check:**

Monitor the health of your hard drives through the ShareCenter's web interface. Replace drives showing signs of failure promptly.

- **Cleaning:**

Keep the device clean and free from dust to ensure proper airflow and prevent overheating. Use a soft, dry cloth for cleaning.

TROUBLESHOOTING

Common Issues and Solutions

- **Device Not Detected on Network:**

Ensure the Ethernet cable is securely connected to both the ShareCenter and your router. Verify that the network lights on the device are active. Try restarting your router and the ShareCenter. Use the D-Link ShareCenter Setup Wizard to scan for the device.

- **Cannot Access Shared Folders:**

Check user permissions for the shared folders. Ensure the ShareCenter has a valid IP address and is accessible from your computer. Verify that network discovery is enabled on your computer.

- **Slow Performance:**

Check network congestion. Ensure your network cables are Gigabit compatible. Verify hard drive health. Consider upgrading firmware.

- **Hard Drive Failure Indication:**

If a drive fails in a RAID 1 configuration, the device will continue to operate using the mirrored drive. Replace the failed drive as soon as possible. Refer to the full manual for drive replacement procedures.

SPECIFICATIONS

Feature	Detail
Model Number	DNS-321-1TB
Digital Storage Capacity	1024 GB (1TB)
Hard Disk Interface	RAID (Supports RAID 0, 1, JBOD, Standard)
Connectivity Technology	SATA (for internal drives), Gigabit Ethernet
Product Dimensions	7.7 x 4.1 x 5.1 inches
Item Weight	4.6 pounds
Color	Black
Manufacturer	D-Link Systems, Inc.

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official D-Link website. D-Link provides technical support for its products. For assistance, please visit www.dlink.com/support or contact D-Link customer service.

Note: Product specifications and appearance are subject to change without notice.

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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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