

Up to
8,000 GB
of Storage*



4-BAY SATA NETWORK STORAGE ENCLOSURE

ADD SATA DRIVES WITH EASE¹

Insert up to four internal 3.5" SATA hard drives without using any tools or attaching any cables

BACK UP AND PROTECT FILES

Protect your important files by making regular backups to mirrored/striped hard drives using RAID 1/5 technology¹

BUILT-IN FTP SERVER²

Access stored files over the Internet

SAFELY SHARE DIGITAL FILES LOCALLY AND OVER THE INTERNET

The D-Link DNS-343 4-Bay Network Storage Enclosure, when used with internal SATA drives, enables you to share documents, files, and digital media such as music, photos, and video with everyone on the home or office network. Remotely accessing files through the Internet is also possible with the built-in FTP server². Whether you are allowing access locally or over the Internet, keep data safe by only giving rights to specific users or groups. When configuring the DNS-343, you can create users and groups and assign them to folders with either read or read/write permissions. This is ideal for an office environment with employee-specific sensitive data or for the home where you can ensure your children will only have access to age appropriate material.

STREAM DIGITAL MEDIA CONTENT TO UPNP™ AV COMPATIBLE MEDIA PLAYERS

Back up your music, photo, and video collections to the DNS-343 for safekeeping. Then, enjoy the benefits of the built-in UPnP AV media server as you stream digital content to compatible media players (such as those found in D-Link's MediaLounge™ product line). This feature is highly convenient as it allows you to turn off a computer that would normally be needed for the same function.

PROTECTION, PERFORMANCE, AND FLEXIBILITY

The availability of five different hard drive modes (Standard, JBOD, RAID 0, RAID 1, RAID 5) allows you to choose the configuration best suited to your needs. Standard mode creates two separately accessible hard drives. JBOD combines both drives in linear fashion for maximum space efficiency. RAID 0 combines both drives in a 'striped' configuration, which provides the highest performance, enabling speeds up to 23MBps-Read and 15MBps-Write (184Mbps-Read and 120Mbps-Write) when using a Gigabit Ethernet connection³. RAID 1 causes the drives to mirror each other, providing maximum protection. If one drive fails while configured as RAID 1, the unaffected drive continues to function as a single drive until the failed drive is replaced. The new drive will then be remirrored, allowing the DNS-343 to return to its full protection. RAID 5 combines data striping (for enhanced performance) with distributed parity (for data protection) to provide a recovery path in case of failure. Distributed parity requires three of the four drives be present to operate; drive failure requires replacement, but the array is not destroyed by a single drive failure. Upon drive failure, any subsequent reads can be calculated from the distributed parity such that the drive failure is masked from the end user. The array will have data loss in the event of a second drive failure and is vulnerable until the data that was on the failed drive is rebuilt onto a replacement drive.

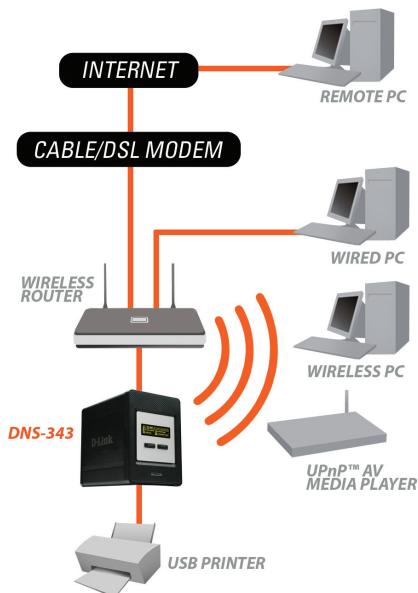
WHAT THIS PRODUCT DOES

The DNS-343 4-Bay Network Storage Enclosure, when used with internal SATA drives¹, enables homes and offices to share documents, music, photos, and videos across the network and on the Internet so family members, friends, or employees can access them. This enclosure also allows creation of a central network point for backing up valuable files and the built-in RAID 1/5 mirroring/striping technology protects these files from drive failure. This device can be used to stream music, photos, and videos to UPnP AV compatible network media players⁴.

ROBUST SOFTWARE INCLUDED

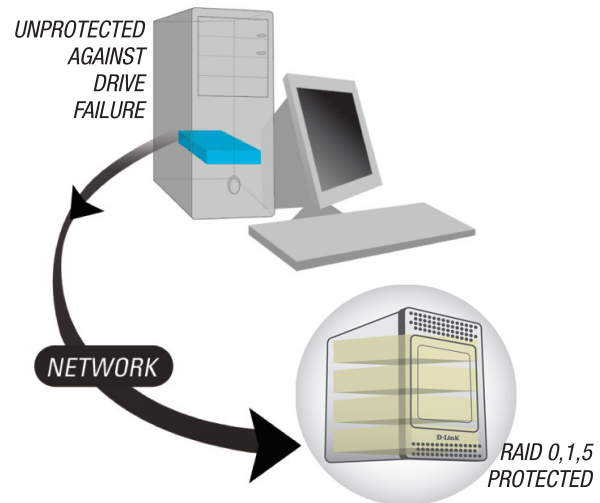
The included CD contains the D-Link Click'n Connect utility to quickly configure your new DNS-343 in minutes. Our D-Link Click'n Connect walks you step by step through the installation process to configure your DNS-343 so that you don't have to be a networking expert to get it set up. In addition, the Easy Search Utility allows you to locate the DNS-343 anywhere on the network. Once located, use the utility to map the hard drive so it will appear in "My Computer" on the PC. Backup software is also included on the CD. This allows the backup of valuable files from your computer to the DNS-343 manually, by a schedule, or in real-time. Real-time backups are a great way to safeguard against unfortunate accidents that may result in the loss of precious files.

YOUR NETWORK SETUP



MIRRORING/STRIPING HARD DRIVES WITH RAID TECHNOLOGY

Backing up to a regular hard drive offers a basic level of protection. But what if that hard drive fails? Using the DNS-343 with four internal SATA drives and RAID technology, users can mirror (i.e. duplicate data on multiple drives) and/or stripe (i.e. share data across multiple drives) between the four drives, ensuring maximum protection of valuable data. If one drive fails, the other(s) function normally until the failed drive is replaced.



TECHNICAL SPECIFICATIONS

STANDARDS

- + IEEE 802.3
- + IEEE 802.3u
- + IEEE 802.3ab
- + SATA I, II
- + DDR 1, 2
- + UPnP AV 1.0
- + USB 2.0

SUPPORTED HARD DRIVE TYPE

- + Up to 4 SATA-standard drives of any capacity size
- + 3.5-inch internal

SUPPORTED HARD DRIVE FILE SYSTEM / RAID

- + EXT2, EXT3
- + RAID 0, 1, 5, JBOD, Linear

PORTS

- + 1 10/100/1000 Gigabit Ethernet port
- + 1 USB Print Server port
- + Power socket for external power adapter

DEVICE MANAGEMENT

- + Through Internet Explorer v6 or other Java-enabled browser
- + E-mail alerts
- + Power management
- + iTunes and UPnP™ AV Server for streaming media to compatible Media Players⁴
- + Built-in FTP server for file access from over the Internet
- + Scheduled downloads from Web or FTP Sites
- + Power management for conserving energy and extending hard drive life
- + Real time backups with the included backup software
- + Storage permissions for users and groups
- + Multi-language file name support
- + Supports Jumbo Frames
- + Scan Disk feature for Hard Drive Management

MINIMUM SYSTEM REQUIREMENTS

- + Computer with:
 - 1GHz processor/512MB RAM/200MB of available space
 - Windows® Vista, Windows®XP SP2, or Windows 2000 SP4
 - CD-ROM drive to view product documentation and installation software

OLED DISPLAY

- + System Information
- + HD Status
- + Server Status

OPERATING TEMPERATURE

- + Operating: 0° to 55° C
- + Storage: -20° to 70° C

HUMIDITY

- + Operating: 5% to 90% (non-condensing)

DIMENSIONS

- + 130 (W) x 183 (D) x 201 (H) mm

WEIGHT

- + 2.714 kg

PACKAGE CONTENTS

- + 4-Bay Network Storage Enclosure
- + Power Adapter
- + Ethernet Cable
- + Power Cable Clip
- + Installation Guide
- + CD-ROM with:
 - Software
 - Product Documentation

¹ Hard drive(s) not included. An internal SATA drive is required to store or share files. RAID 1 mirroring requires the use of two (2) internal SATA drives. RAID 5 striping requires the use of three (3) internal SATA drives. To avoid data incompatibility in RAID 1/5 operation, use SATA drives from the same manufacturer. Formatted drive capacity for RAID 1/5 operation is dependant on the drive capacity of the lowest-sized drive. May not work with older generation SATA drives. For a list of SATA drives that have been tested to work with the DNS-343, visit D-Link support web sites.

² Note that use of an FTP Server to access files over the Internet does not provide for secure or encrypted transmissions. It is recommended that the end-user utilize a Virtual Private Network (VPN) to establish a secure FTP session.

³ Speed results will vary depending on the benchmark utility, hard drive configuration, and the network environment used for testing.

⁴ D-Link cannot guarantee full compatibility or proper playback with all Codecs. Playback capability depends on the codec support of the UPnP AV media player.



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STORAGE