USER MANUAL DNS-323

VERSION 1.3







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Product Overview Package Contents

- D-Link DNS-323 2-Bay Network Storage Enclosure
- CD-ROM with Manual and Software
- Quick Installation Guide
- Power Adapter
- Power Cable Clip
- CAT5 Ethernet Cable



Note: Using a power supply with a different voltage than the one included with the DNS-323 will cause damage and void the warranty for this product.

If any of the above items are missing, please contact your reseller.

System Requirements

For best results, the following system requirements are recommended:

- Computer with: 1GHz processor / 512 MB RAM / 200 MB available space / CD-ROM drive
- Internet Explorer version 6.0 or Mozilla Firefox 1.0 and above
- 3.5" SATA Hard Drive(s)
- Windows[®] XP (with Service Pack 2) or Vista[®]

Introduction

The D-Link DNS-323 2-Bay Network Storage Enclosure shares your documents, photos, music, and videos across the network and on the Internet (via FTP server) so family members, friends, or employees can access them. This enclosure, which can hold two 3.5" SATA hard drives of any capacity¹, creates a central network point for backing up valuable files. The built-in RAID 1² mirroring technology protects these files from drive failure. Other options such as Standard, JBOD, and RAID 0 are also available.

The DNS-323 shares files over the Internet via the built-in FTP server³. Users and groups can be created and assigned to folders with either read or read/write permissions. Quotas can be set per user or group to restrict space usage. In addition, the DNS-323 can be used to stream photos, music, and videos to UPnP AV compatible network media players⁴.

The included CD contains D-Link's Easy Search Utility. This utility allows you to locate the DNS-323 on the network and map drives to your computer. Backup software is also included on the CD. This software allows you to backup your files from a computer to the DNS-323 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 important files.

Combining ease of use with practical and high performance features, the DNS-323 is an organized solution for any network. Free up drive space on computers and centralize data on your network with the DNS-323 2-Bay Network Storage Enclosure!

1 Hard Drive(s) not included.

- 3 Note that use of an FTP Server to access files over the Internet does not provide for secure or encrypted transmissions.
- 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.

² RAID 1 mirroring requires the use of 2 internal SATA drives.

Features

The DNS-323 is designed for easy installation and allows remote access to important data via your local network or the Internet.

- Two Hard Drive Bays for 3.5" SATA Hard Drives of Any Capacity¹
- Simplified Hard Drive Installation Process No Tools Required
- Four Hard Drive Configurations: Standard, JBOD (Linear), RAID 0, and RAID 1²
- High Performance Gigabit Ethernet Connectivity (Up to 23/15MBps or 184/120Mbps Read/Write)³
- Built-in FTP Server for File Access from the Internet⁴
- Scheduled Downloads from Web or FTP Sites
- Full or Incremental Backups
- Real Time Backups With the Included Backup Software
- Users and Groups Can Be Assigned to Folders with Read or Read/Write Permissions
- Quotas For Users and Groups
- Automatic E-Mail Notifications
- Power Management for Conserving Energy and Extending Hard Drive Life
- UPnP AV Server for Streaming Music, Photos, and Video to Compatible Media Players⁵
- iTunes[®] Software will be able to automatically find and play music directly from the DNS-323
- Built-in USB Print Server for printing from any PC on the Network
- D-Link Easy Search Utility
- Configurable by Web Browser
- Supports Jumbo Frames
- Enables you to change from Non-RAID to RAID 1 configuration without losing data on the hard drives.
- Supports Bit Torrent
- 1 Hard Drive(s) not included.
- 2 RAID 1 mirroring requires the use of 2 internal SATA drives.
- 3 Speed results will vary depending on the benchmark utility, hard drive configuration, and the network environment used for testing.
- 4 Note that use of an FTP Server to access files over the Internet does not provide for secure or encrypted transmissions.
- 5 D-Link cannot guarantee full compatibility or proper playback with all codecs. Playback capability depends on the codec support of the UPnPTM AV media player.

Hardware Overview Front View



Power Button:

Press once to power on the DNS-323. Press and hold the button until it begins to blink to power down the DNS-323.

Drive Lights:

These lights will be solid BLUE when drives are connected but inactive. The lights will blink when the drives are being accessed, formatted or synchronized. They will illuminate AMBER if a drive has failed.

Network Activity Light:

The Activity Light will be solid BLUE when there is an Ethernet connection. It will blink to indicate LAN traffic.

Rear Panel (Connections)



Power Receptacle:

The 12V 3A / 5V 3A power supply connects here.

Ethernet Port:

A Gigabit Ethernet port that connects the DNS-323 to a network.

USB Port:

USB Print Server port for connecting a USB printer.

Drive Eject Lever:

Use the levers to eject the hard drives. The front panel must be removed before ejecting the drives.

Reset Button:

A pinhole button located beside the Ethernet socket is used to reset the DNS-323 to the factory default settings.

Note: After resetting the unit's configuration you will still have access to the data on your hard drive(s).

Installation Hardware Setup

This section provides unpacking and installation information for the DNS-323. Open the shipping carton for the DNS-323 and carefully unpack its contents. To install the DNS-323 on your local network, refer to the steps below:

1. Access the drive bays by sliding the faceplate up until it unlatches from the device.

2. Once the faceplate is unlatched, pull it off the device, exposing the drive bays.



3. Insert a 3.5" SATA hard drive into each available drive bay. Make sure to align the drive connectors to the SATA connectors on the bottom edge inside the drive bay of the DNS-323. Gently push the drive in until it connects. When a drive is inserted properly, you will feel it "seat" into the connector. Some hard drives that are thin or oddly shaped may need to be guided carefully into position. If a drive is not properly seated, the light will not illuminate after powering on the device.



4. Attach the faceplate to the front of the device.



5. Connect an Ethernet cable to the available Ethernet port. This cable should connect the DNS-323 to your local network via a router or switch, or directly to a computer for configuration.

6. Connect the power adapter to the power receptacle.

7. Connect a USB printer. (Optional)





Configuration Easy Search Utility

When first powered on, during the initial boot sequence, the DNS-323 will wait to be assigned an IP address via DHCP. If it does not receive an assigned IP address, by default it will have a self-assigned IP address of 192.168.0.32. It is recommended to use the included D-Link Easy Search Utility when accessing and configuring the DNS-323 for the first time. If you want to change the IP address before logging in or are unable to connect to the DNS-323 IP address, you can use the Easy Search Utility provided on the product CD to locate the device on your network and make any needed changes.

Network Storage Device	The Easy Search Utility displays all available DNS-323 devices on the network here.	D
Refresh	Refresh the device list.	
Configuration	Click Configuration to access the Web-based utility of the DNS-323.	C
Language	Click Language if you wish to store non-English character files. Refer to page 74.	
BitTorrent	Click BitTorrent to use the built-in BitTorrent manager to upload and download Torrents. Refer to page 59.	
LAN	Configure the LAN Settings for the DNS-323 here.	
Apply	Click Apply to save and activate the changes to the LAN Settings.	
Drive Mapping	Volumes available for mapping are displayed here.	
Available Drive Letters	Choose an available drive letter. Click Connect to map the selected volume. Click Disconnect to disconnect the selected mapped volume.	Ľ
Exit	Click Exit to close the utility.	



Getting Started

To run the Easy Search Utility, insert the DNS-323 CD into your CD-ROM drive:





When logging into the DNS-323 for the first time, you will be asked to choose a drive configuration type and format the drives. There are four configuration options: **Standard**, **JBOD**, **RAID 0** and **RAID 1**. Standard configures each disk as a separate volume, while JBOD combines both disks into a single volume, as well as RAID 0 and RAID 1. See page 47 for more details on using the RAID configurations.

Note: All data will be erased during the format process.

When prompted to configure the Hard Drive Settings:



A warning message informing you that your drives will be formatted and all data will be erased. Click OK to continue.

×

When formatting of the drive completes, the DNS-323 will prompt the user to restart. A restart countdown screen will appear. When restart is complete, a login screen will appear:



Note: After logging in to the DNS-323 for the first time it is recommended to add a password to the admin account. (See p. 39 for details.)

After logging in, you will be redirected to the DNS-323 web UI:



Web UI

The DNS-323 web UI defaults to the *Setup* page. The main categories for configuration are located in the menu tabs at the top of the page. These categories include:

- **Setup** Contains the DNS-323 setup wizard, as well as the LAN configuration settings and device settings.
- Advanced Allows the DNS-323 administrator to configure users, groups of users and their storage quotas. The UPnP AV server, iTunes server, FTP server, LLTD, and DHCP server settings are all contained here as well.
- Tools Contains configuration options for the Admin account, time and system settings, and e-mail alerts. Settings for Power management, RAID configuration, and DDNS are also available from the Tools page.
- **Status** Contains a summary of DNS-323 information.
- **Support** Contains the DNS-323 help files.
- **Logout** Clicking this button will log the admin out and end the DNS-323 configuration session.

These pages and their configuration options will be discussed in detail in the following pages of this manual.

Setup Wizard

The DNS-323 has a setup Wizard that allows you to quickly configure some of the basic device settings.







D-Link	DNS-323
SELECT LAN CONNECTION TYPE:	
Select your connection type and fill out th Click Next to continue.	e IP information if necessary.
C DHCP Client © Static IP	
IP Address 192.168.	0.32
Subnet Mask 255.255.:	255.0
Gateway IP Address 192.168.	D.1
DNS1	
DNS2	
	Back Next Exit

Enter your workgroup, name and description for the DNS-323, or leave the default values and click **Next** to continue.

D-Link	DNS-323
Set Additional Information:	
Enter your Workgroup, Name, and Descript Otherwise you may accept the default value	ion for the DNS-323 if necessary. es and click Next to continue.
Workgroup workgroup Name dlink-AD04C1 Description DNS-323	
	Back Next Exit

D-Link



	D-Link'	
	D DHIR DNS-323	
When the login prompt appears, login using the new administrator password. Click Configuration .	User Name:	
	Copyright © 2008 D-Link Corporation/D-Link Systems, Inc.	

LAN

The Local Area Network settings for the DNS-323 are configured on the LAN page.

Link Speed	The LAN Link Speed is set to Auto by default, but can be manually set to 100Mbps or 1000Mbps.	D-Link	<u> </u>					
DHCP Client	Selecting DHCP Client will cause the DNS-323 to obtain an IP address from the local DHCP server.	DNS-323	SETUP LAN SETTINGS Select your conne Save Settings	ADVANCED : ection type and fill out Don't Save Settings	TOOLS	STATUS necessary.	SUPPORT	LOGOUT Helpful Hints A Static IP is recommended if you will be using the FTP server.
Static IP	Selecting Static IP requires you to assign the IP information for the DNS-323 manually.		LAN SETTINGS Speed 1000 Link Speed (: Mbps ⊙Auto ○100 ○10	00 Apply			
Jumbo Frame Settings MTU	Click the Enable radio button next to Status to enable jumbo frames.		⊙ DHCP Clie ○ Static IP IP Address : Subnet Masł	nt 192.168.0 <: 255.255.2	.32			
	Select an MTU rate that your network can support and then click Apply to activate the new setting.		Gateway IP DNS1 : DNS2 :	Address : 192.168.0	.1			
			JUMBO FRAME Status : MTU :	SETTINGS : CEnable (3000 V	Disable Apply			

Device

The device settings page allows you to assign a workgroup, name and description to the DNS-323.

- **Workgroup** Assigns a workgroup name to the DNS-323.
 - Name Assigns a unique name to the DNS-323. The name can be used to access the device from a web browser instead of using the IP address.

For example: *http://dlink-xxxxx*

This is useful if there are more than one DNS-323 on the network. By default the device name is dlink-xxxxx, where xxxxx is the last six digits of the MAC address.

Description Assigns a device description to the DNS-323.

D-Lin	k					
DNS-323	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT	LOGOUT
WIZARD LAN DEVICE	DEVICE SETT Enter a workgro Save Settings	INGS: pup, name, and descriptic Don't Save Settings	on.		H D tr Ref	elptul Hints EVICE: You can access is device by using the ame in your web-browser, or example: DNS-323 .
	DEVICE SETT	INGS :				
	Workgroup	workgroup				
	Name	DNS-323				
	Description	Two Bay Storage				

Advanced Users and Groups

The DNS-323 supports up to 64 unique users. The users can be added to a group, or individually. The users and groups are created to allow access to specific folders on the DNS-323, via FTP or your local network.

User and Group Creation	This section contains required attributes for creating a new user or group.	D-Link
	Select User or Group . Enter a user or group name and password. Click Add .	DNS-323
	Select a group from the drop-down menu.	UPnP AV SERVER iTunes SERVER DHCP SERVER
Select Group	Users that are assigned to the selected group will be listed here.	ЦТР
Users in Group	Displays the list of users that you may assign to the selected group.	
List of All Users	To add a user to the selected group, click the user and then click Add >>.	
	To remove a user from the group, click the user and then click << Remove .	
User List	Displays all created user accounts. You may modify the password or delete the user account by clicking on the right icon.	
Group List	Displays all created group accounts. You may modify the password or delete the account by clicking on the right icon.	



Quotas

The DNS-323 supports storage quotas for both groups and individual users. Assigning a quota to a group or user will limit the amount of storage they are allocated. By default, users and groups do not have a quota.

- User Quota User quotas are displayed here. Settings Quotas can be edited by clicking on the notepad icon.
- Group Quota Settings Group quotas are displayed here. Quotas can be edited by clicking on the notepad icon.
- Quota Status Displays the current status of the quota feature. The quota function can be started or stopped here.

D-Link	~								
DNS-323	SE	тир 🖉	DVANCED	TOOLS	STA	TUS	SUPPORT		LOGOUT
USERS / GROUPS QUOTAS NETWORK ACCESS FTP SERVER	QUOTAS SETTINGS : Assign hard drive space quotas for users or groups. USER QUOTA SETTINGS :								lpful Hints : hard drives must be shed synchronizing ore quotas can be set.
UPnP AV SERVER iTunes SERVER DHCP SERVER	No.	User Name vista	Volu Used unlir	me_1 Limit nited	Volur Used unlim	ne_2 Limit nited	Edit		
	GROU No,	IP QUOTA SET	TINGS : Volu Used	me_1 Limit	Volun Used	ne_2 Limit	– Edit		
	QUOT Status Enabl	A STATUS : : Stopped ed							

Configuring Quotas

By default, all users and groups are displayed on the Quota Settings page. Users and groups are automatically listed on this page, and cannot be deleted. The default quota setting is "Unlimited".

To add a quota:

	QUOTAS SETTINGS :							
	Assign hard drive space quotas for users or groups.							
		<u>cs</u> .						
	USER QUOTA SETTIN	05.						
		Vo	lume 1	Volur	me 2	- 11		
	No. User Name	Used	Limit	Used	Limit	Edit		
	1 vista	un	limited	unlin	nited	1		
Click the notepad icon of the user								
	QUOTAS SETTINGS	k:						
	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT	a quotas for u INGS :	isers or groups.					
	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name	e quotas for u INGS :	isers or groups. vista					
Set a quota amount (MB) for the	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume 1 Quo	e quotas for u INGS :	vista	MB				
Set a quota amount (MB) for the user and click Apply .	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume_1 Quo	; e quotas for u INGS : ota Amount	vista					
Set a quota amount (MB) for the user and click Apply .	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume_1 Quo Volume_2 Quo	e quotas for u INGS : ota Amount ota Amount	vista 20000 15000	MB				
Set a quota amount (MB) for the user and click Apply .	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume_1 Quo Volume_2 Quo	e quotas for u INGS : ota Amount ota Amount	vista 20000 15000	MB MB App	οlγ			
Set a quota amount (MB) for the user and click Apply .	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume_1 Quo Volume_2 Quo	a quotas for u INGS : Dta Amount Dta Amount	vista 20000 15000	MB MB App	рl			
Set a quota amount (MB) for the user and click Apply .	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume_1 Quo Volume_2 Quo	e quotas for u INGS : Dta Amount Dta Amount	vista 20000 15000	MB MB App	oly			
Set a quota amount (MB) for the user and click Apply .	QUOTAS SETTINGS Assign hard drive space USER QUOTA SETT User Name Volume_1 Quo Volume_2 Quo	e quotas for u INGS : ota Amount ota Amount	vista 20000 15000 /olume_1	MB MB App Volu	oly ime_2	Edit		





Network Access

The Network Access settings allow you to assign users and groups to specific folders or volumes. By default, all volumes are open to anyone on the local network with read/write access. Before specific user or group rules can be created, the default rules must be deleted.



database applications it is recommended to

set the share oplocks to No (off).

Section 3 - Configuration

By default, Windows Vista[®] has Oplocks enabled and can not be disabled. If you are having network performance issues with applications sharing files from the DNS-323 you may try to improve performance by setting Oplocks to **No (off)**.

- Map Archive When enabled, the file attribute "Archive" will be copied as the file is being stored on the DNS-323. Certain backup software attach this attribute to files that are being stored as backups.
- **Comment** Enter a comment for reference or description of the rule.
- Network Access List Lists all defined access rules.

FTP Server

The DNS-323 is equipped with a built in FTP Server, which is easy to configure. It allows users access to important data whether they are on the local network or at a remote location. The FTP server can be configured to allow user access to specific directories, and will allow up to 10 users to access the DNS-323 at a time.

- FTP Server
SettingsThis section contains the configuration
settings for the DNS-323 FTP Server.FTP AccessThe FTP access for users and groups can
- FTP AccessThe FTP access for users and groups can
be added and edited here.
- FTP ServerThe current settings and status of the
DNS-323 FTP Server are displayed here.
 - **Category** Determines whether the FTP server rule will apply to an individual user or a group.
- **User / Group** Select the group or user the FTP server rule will apply to.
 - **Folder** Browse to and select the folder or directory you are granting FTP access to. Select **root** to grant access to all volumes.
- Permission Set the user or group permission to Read Only or Read/Write.



FTP Server Settings

Max User	Sets the maximum amount of users	FTP SERVER SETTINGS :					
		Max User	10 👻				
Idle Time Sets the amount can remain idle disconnected.	Sets the amount of time a user	Idle Time	2 (1~10 Minutes)				
	disconnected.	Port	21 (1~65535,Default:21)				
		Flow Control	Onlimited x 10 KBs				
Port	Sets the FTP port. Default is 21.	Client Language	Western European 👻 🛛 Apply Cancel				
Flow Control	Allows you to limit the amount of bandwidth available for each user.	FTP ACCESS L	IST :				
Client Language	Most standard FTP clients like		R/W : Read/Write :Read Only :Modify settings :Delete				
	Furghean codepage when transferring	Path	User/Group R/W				
	files. Support has been added for non standard FTP clients that are capable	DNS-323_SHA	RE anonymous 🗹 📝 🧻				
	of supporting these character sets.						

FTP Access List Lists all defined FTP Rules.

If you are behind a router, you will need to forward the FTP port from the router to the DNS-323. Additional filtering and firewall settings may need to be modified on your router to allow FTP Access to the DNS-323 from the Internet. Once the port has been forwarded on the router, users from the internet will access the FTP server through the WAN IP address of the router.

If you are using a D-Link router, such as the WBR-2310 used in the example below, your port forwarding rule should be similar to the following:

Name	Name the DNS-323 FTP ser	ver	Product Page: wsr-2310						Hardware Version: A1	Firmware Version: 1.0
	rule.	DJink								
IP Address	Enter the IP address of the DNS-323.									
			WBR-2310 //		SETUP	ADVANCED	TOOLS	;	STATUS	SUPPORT
Public Port	Enter the public FTP port. default, the port is 21.	Ву	VIRTUAL SERVER	VIRTUAL SERVER RULES :					Helpful Hints Check the Application Name drop down menu for a list of pre-defined 	
				The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting						
			NETWORK FILTER	onlin	e services such as		applications that you can select from. If you select			
Private Port	Enter the private FTP port. default, the port is 21.	Ву	WEBSITE FILTER	BSITE FILTER						
			FIREWALL SETTINGS	20 - VIRTUAL SERVER RULES						down menu to fill out the appropriate fields.
Traffic Type	Set the traffic type to TCP.		ADVANCED NETWORK				Port	Traffic Type	Schedule	• You can select your computer from the list of
					Name DNS-323 FTP	Application Name	Public 21			DHCP clients in the Computer Name drop
					IP Address 192.168.0.32	Computer Name	Private 21	TCP 💌	Always 💌	down menu, or enter the I address manually of the computer you would like to open the specified port to
					Name	Application Name	Public	TCP V	Always 💌	 In order to apply a schedule to a Virtual Server Rule, you must first define

If you use an FTP port other than 21, then users accessing the FTP server using an FTP client will have to specify the non-standard port, and users who are using a browser will have to specify the port in the URL (e.g. ftp://ftp.dns323.com:3000, where the FTP port is 3000).

IP Address

Private

~

<< Computer Name

ware Version: 1.01

a schedule on the Tools>Schedules page

UPnP AV Server

The DNS-323 features a UPnP AV Server. This server provides the ability to stream photos, music and videos to UPnP AV compatible network media players. If the server is enabled, the DNS-323 will be automatically detected by UPnP AV compatible media players on your local network.

- UPnP AV Select Enable or Disable to enable Server or disable the DNS-323 UPnP AV server.
 - **Folder** Specifies the folder or directory that will be shared by the UPnP AV server. Select **root** to share all files on all volumes, or click **Browse** to select a specific folder.
- Auto Refresh Set the device to auto refresh your media every 5 minutes up to every 24hrs. Select None to disable this feature.
 - Refresh Click the Refresh button after adding new files to be used by UPnP AV compatible devices.



iTunes Server

The DNS-323 features an iTunes Server. This server provides the ability to share music and videos to computers on the local network running iTunes. If the server is enabled, the DNS-323 will be automatically detected by the iTunes program and the music and videos contained in the specified directory will be available to stream over the network.

- iTunes Server Select Enable or Disable to enable or disable the DNS-323 iTunes server.
 - **Folder** Specifies the folder or directory that will be shared by the iTunes server. Select **root** to share all files on all volumes, or click **Browse** to select a specific folder.
 - Password Sets password for the iTunes server. (Optional)
- Auto Refresh Set the device to auto refresh your media every 5 minutes up to every 24hrs. Select **None** to disable this feature.
 - **Refresh** Click **Refresh** after adding new files to be used with iTunes.



After enabling the iTunes server on the DNS-323, launch iTunes. When iTunes detects the DNS-323, select it and you will be prompted to enter the iTunes server password if required.


DHCP Server

The DNS-323 can be used as a DHCP Server. As a DHCP server, it can be used to serve IP addresses to other devices on your local network. However, this feature should not be enabled if you already have a DHCP server, such as a router on your local network.

DHCP Server	Click the Enabled or Disabled radio button to enable or disable the DNS-323 DHCP server.	D-Link	
Starting IP Address	Enter the starting IP address for the range of addresses assigned by the DHCP server.	DNS-323 SETUP ADVANCED TOOLS STATUS SUPPORT USERS / GROUPS DHCP SERVER SETTINGS :	LOGOUT Helpful Hints If you already have a router assigning DHCP to the network, do not enable this feature. The DHCP server.
Ending IP Address	Enter the ending IP address for the range of addresses assigned by the DHCP server.	UPnP AV SERVER DHCP SERVER : iTunes SERVER DHCP Server : ① Enabled ③ Disabled DHCP SERVER Starting IP Address : 192.168.0.2 LLTD Ending IP Address : 192.168.0.254	should be used when no other DHCP server is available.
Lease Time	Sets the duration of time that an IP address will remain assigned to a device.	Lease Time : 1 Week Image: Second	
DHCP Client List	Displays the Hostname, IP address, MAC address and Expired Time of the clients that have received a DHCP address from the DNS-323.		

LLTD

The DNS-323 supports LLTD. LLTD stands for Link Layer Topology Discovery and is used by the Network Map application that is included in Windows Vista[®].

LLTD Click the Enable or Disable radio button to enable or disable the DNS-323 LLTD service



Tools Admin Password

The Admin menu allows you to set a password for your admin account. It is recommended to set a password when first configuring the DNS-323.

User Name	The administrator user name is admin , and this cannot be changed.	D -Link	ć										
Password	Enter the current password. (Leave	DNS-323	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT	LOGOUT					
this blank if yo password yet.)	this blank if you have not set a	ADMIN PASSWORD	ADMINISTRA	TOR SETTINGS :				Helpful Hints					
	password yet.)	TIME	ME Set the administrator's password.										
		SYSTEM						change the Password for the Administrator Be sure					
New Password	Enter a new password.	FIRMWARE	Save Settings	Don't Save Settings				to write down the new					
		E-MAIL ALERTS	ADMINISTRA	TOR :				to reset the DNS-323 in					
Confirm	Enter the new network and a set in few	POWER MANAGEMENT	Lise	r Name : admin				forgotten.					
Password	Enter the new password again for confirmation.	RAID	Pa	issword :									
		DDNS	New Pa	issword :									
			Confirm Da	ssword :									

Click **Save Settings** to save the new password.

Time

The DNS-323 Time page contains several different options for setting the device's internal clock. It is important to set an accurate time so that backups and downloads can be accurately scheduled.

NTP Server	Network Time Protocol (NTP) synchronizes the DNS-323 with an Internet time server.	D-Lini	¢					
	D-Link provides two time servers for your convenience. Choose the one closest to your location.	DNS-323 // ADMIN PASSWORD TIME SYSTEM	SETUP SYSTEM TIME Set the system ti	ADVANCED SETTINGS : me by synching with N	TOOLS	STATUS	SUPPORT	LOGOUT Helpful Hints Using the NTP option will guarantee the time to be accurate provided that the
Time Zone	Select your time zone from the drop-down menu.	FIRMWARE E-MAIL ALERTS POWER MANAGEMENT RAID	Time: 11:07:29 NTP SERVER : NTP Server	Date: 04/	14/08 Select NTP Server 💌			DNS-323 is connected to the Internet and your DNS values (in SETUP > LAN) are valid.
From My Computer	This option will synchronize the DNS-323 clock with your computer.	DDNS	Time Zone (GMT) Greenwich M	lean Time: Lisbon, London			Set Time	
	Click Set Time to sync with the local computer.		Set time from my	COMPUTER.			Set Time	
Set Time Manually	This option allows you to set the time and date manually.		Month 04 VDay	14 Vear 2008 V]		Set Time	
	Enter the appropriate time and date and click Set Time.		DAYLIGHT SAN	VING TIME : me : None 💌			Set Time	
Daylight Saving Time	Available Daylight Saving Time options are None, USA, or EU (Europe).							
	Coloct the environmista antion and							

Select the appropriate option and click **Set Time**.

System

The DNS-323 System menu provides options for system restarts, saving and loading configuration settings, and setting idle times.

- Restart Click Restart to reboot the DNS-323.
- RestoreClick Restore to reset the DNS-323Defaultsto its factory default settings. This
will erase all previous configuration
changes.
- Shutdown Click Shutdown to turn off the DNS-323.
- **Configuration** Settings Click Save to save the current DNS-323 configuration settings to a file on the local computer. If at a later time you need to reload this configuration after a system reset, browse to the file and click Load.
 - Idle Time Enter the time (in minutes) that the administrator will be allowed to remain idle while accessing the DNS-323 configuration settings or that users will be allowed to remain idle while accessing the download schedule settings.

Click Apply to save the settings.



Firmware

The DNS-323 Firmware menu makes it simple to check for new firmware releases and upload them to the device.



E-Mail Alerts

With the DNS-323 E-Mail Alerts, you can configure e-mails to be sent alerting you to certain operational conditions and drive status conditions. These alerts can prove helpful with the management and safeguarding of important data.

Alert Settings This section contains the configuration settings for the your e-mail account and alert preferences.

Once configured, use the **Test E-Mail** button to send a test e-mail and confirm your settings are correct.

Alert Types This section contains the alert options and their configuration settings.

D-Link	ć					
DNS-323	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT	LOGOUT
ADMIN PASSWORD TIME SYSTEM FIRMWARE E-MAIL ALERTS POWER MANAGEMENT RAID DDNS	E-MAIL ALERT E-mail yourself ale Save Settings E-MAIL ALERT Login M User Pas SMTP : Sender Receiver	S : rts for certain condition Don't Save Settings SETTINGS : ethod : Account (Name : Sword : Server : E-mail : [ns or for drive space Clear Saved Anonymous Anonymous Test E-Mail	status updates. Settings	He out are com pro you	Ipful Hints a SMTP server is your going mail server. If you n't sure what this is, tact the company that vides e-mail services for J.
	ALERT TYPES	: tatus Interval: 0 Prive Has Failed ministrator's Password e Has Been Upgraded Temperature Has Exce feature will cause the is exceeded and an e	(Hours) 0 v (Mir Has Been Changed seded Fahrenheit v DNS-323 to shut do -mail is sent.	nutes) 140) °F wn after the selected	1	

E-Mail Alert Settings

- Login Method Select either Account or Anonymous. Choosing Anonymous does not require a User Name or Password.
 - User Name Enter the appropriate user name for your e-mail account.
 - Password Enter the appropriate password for your e-mail account.
- SMTP Server Enter the IP address or domain name of your outgoing mail server. If you are unsure of this value, contact your e-mail provider.
- Sender E-Mail Enter the "from" e-mail address (e.g. alerts@dns323.com). This field does not require a valid e-mail address. However, if your e-mail client is filtering spam, make sure you allow this address to be received.
 - **Receiver** E-Mail Enter the e-mail address that will receive the alerts. This address must correspond with the SMTP server configured above.
 - **Test E-Mail** Click the **Test E-Mail** button to send a test alert and confirm your settings are correct.

-MAIL ALERT SETTINGS:
Login Method : 💿 Account 🔘 Anonymous
User Name :
Password :
SMTP Server :
Sender E-mail :
Receiver E-mail :
Test E-Mail

E-MAIL ALERT SETTINGS:				
Login Method : 🔘 Account 💿 Anonymous				
SMTP Server :				
Sender E-mail :				
Receiver E-mail :				
Test E-Mail				

E-Mail Alert Types

	.				
Space Status	Select an interval in hours and minutes to have a status of space	ALERT TYPES :			
	remaining on the drives e-mailed.	🔄 Space Status Interval: 🛛 🛩 (Hours) 🔍 🔽 (Minutes)			
A Volume Is Full	An alert will be sent when the hard	A Volume Is Full			
A volumo lo l'un	drive is full.	A Hard Drive Has Failed			
		The Administrator's Password Has Been Changed			
A Hard Drive Has Failed	An alert will be sent if a critical error	🔲 Firmware Has Been Upgraded			
	occurs on one of the drives.	📃 System Temperature Has Exceeded Fahrenheit 🔜 🛙 140 °F			
Administrator Password Change	An alert will be sent if the admin password is changed.	Enabling this feature will cause the DNS-323 to shut down after the selected temperature is exceeded and an e-mail is sent.			
Firmware	An alert will be sent if the firmware				
Upgraded	is upgraded.				
System	An alert will be sent if the DNS-323				
Temperature	device temperature exceeds the				
Exceeded	set threshold. After the alert has				
	off for safety.				
A Hard Drive Has Failed Administrator Password Change Firmware Upgraded System Temperature Exceeded	 drive is full. An alert will be sent if a critical error occurs on one of the drives. An alert will be sent if the admin password is changed. An alert will be sent if the firmware is upgraded. An alert will be sent if the DNS-323 device temperature exceeds the set threshold. After the alert has been sent, the DNS-323 will power off for safety. 	 A Hard Drive Has Failed The Administrator's Password Has Been Changed Firmware Has Been Upgraded System Temperature Has Exceeded Fahrenheit 140 °F Enabling this feature will cause the DNS-323 to shut down after the selected temperature is exceeded and an e-mail is sent. 			

Power Management

The DNS-323 Power Management feature allows you to configure the drives to shut down while power remains constant to the device. The drives will power up again when data is accessed.

- Power Enable or Disable Power Management Management on the DNS-323 by clicking the appropriate radio button.
- Turn off HardSet the amount of time before idleDrivesdrives will shut down.

Click **Apply** to save the settings.



RAID

The DNS-323 supports four different disk configuration types: **Standard**, where each drive is a unique volume, **JBOD**, which combines both drives in a linear fashion to create one volume, as well as **RAID 0** and **RAID 1**.

RAID Settings Click **Set RAID Type and Re-Format** to change the current drive configuration.

If you already have one drive installed, and intend to install the second drive, the DNS-323 allows you to change the drive configuration from Standard to RAID 1, which you can mirror the data from the 1st drive to the 2nd drive to protect your valuable data. This will erase all the data in the new 2nd drive.

If you have installed a 2nd drive and "skipped" the configuation, you will see there is an additional option allowing you to configure the 2nd Hard Drive. This will erase all the data stored on the 2nd Hard Drive.

A pop-up window will appear with the drive configuration options.

Choose the RAID option you want to implement, by clicking the appropriate radio button and press **Next** button.

The steps for configuring RAID are identical to the steps carried out earlier from the **Getting Started** section of the manual.



D-Lin	ık			DNS-3	123
HARD	DRIVE	CONFIGUR/	ATION:		
	Select a	a RAID type:	⊙ Stan ○ JBOE ○ RAID ○ RAID	dard (Individual Disks)) (Linear - Combines Bo) 0 (Striping - Best Perfo) 1 (Mirroring - Keeps Da	th Disks) ormance) ata Safe)
Vendor		Model		Serial Number	Size
Hitachi		HDS728080F	LA380	PFDBW3SWT2VV4H	82 GB
Hitachi		HDS728080F	LA380	PFDBW3SWSJPDLW	82 GB
	Copyrigh	nt © 2008 D-I	_ink Corp	oration/D-Link Systems,	Next Inc.

What is RAID?

RAID, short for Redundant Array of Independent Disks, is a combination of two or more disks with the aim of providing fault tolerance and improving performance. There are several different levels of RAID, with each providing a different method of sharing or distributing data amongst the drives. The DNS-323 supports RAID levels 0 and 1.

RAID 0 RAID 0 provides *data striping*, which spreads out blocks of data over both drives, but does not provide data redundancy.

Although performance is improved, the lack of fault tolerance means that if one drive fails, all data in the array will be lost.



Because the data is stored on both disks, RAID 1 provides fault tolerance and protection, in addition to performance advantages.



RAID 0

DDNS

The DDNS feature allows you to host a server (Web, FTP, Game Server, etc...) using a domain name that you have purchased (www.whateveryournameis.com) with your dynamically assigned IP address. Most broadband Internet Service Providers assign dynamic (changing) IP addresses. Using a DDNS service provider, your friends can enter your domain name to connect to your server no matter what your IP address is.

DDNS Select **Enable** or **Disable**.

Server Address Enter the DDNS server address or select from the drop-down menu.

Host Name Enter your DDNS host name.

- Username or Key Enter your DDNS username or key.
- Password or Key Enter your DDNS password or key.
- Verify Password Re-enter your password or key. or Key
 - **Timeout** The time between periodic updates to the Dynamic DNS, if your dynamic IP address has not changed. The timeout period is entered in hours

Status Displays your DDNS status.



Status Device Information

- LAN Info Displays the local network settings of the DNS-323.
- **Device Info** Displays the workgroup, name, description and current temperature of the DNS-323.
- Printer Info Displays information for a connected USB printer.

If your computer is having problems printing to the DNS-323, you can click the **Clear Print Queue(s)** button to remove any print jobs that may be causing your computer to be unable to print.

Hard Drive Displays the hard drive information, including the disk mode, total size, used and remaining drive space.

-323	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT	LOGOUT
E INFO	DEVICE INFORM	MATION : f device information h	ere.			
	LAN INFO : Gate DEVICE INFO :	IP Address: 19 Subnet Mask: 25 way IP Address: 00 DNS1: DNS2: Workgroup: wo Name: dli Description: DN	12.168.0.32 15.255.255.0 12.168.0.1 1:17:9A:AD:0F:A3 1:17:9A:AD:0F:A3 1:5-323			
	PRINTER INFO					
	HARD DRÍVE I Total Hard					

Support

The DNS-323 Support page provides a menu of Support topics explaining the features of the device.



Mapping a Drive

You can use the D-Link Easy Search Utility to map drives to your computer. Insert the DNS-323 CD into your CD-ROM drive.



The Easy Search Utility will load and detect any DNS-323 devices that are on the local network.

If the DNS-323 you are working with does not show up in the device list, click **Refresh**.



Once connected, your mapped drive(s) will appear in My Computer.



Download Scheduling

The DNS-323 Download Scheduling feature allows you to schedule folder or file downloads and backup sessions.

Begin by accessing the web-based configuration utility of your DNS-323:



The DNS-323 login screen will appear:

	Delimb			
	D'LIIIK		DNS-323	
pe admin for the username and ave the password field blank by afault or your new password.	→ User Name: Password:		Downloads	
		STOR	RAGE	
	Copyright © 2	2008 D-Link Corp	oration/D-Link Systems, Inv	

The DNS-323's **Download Scheduling** configuration page will appear.

Schedule Downloads

- SchedulingConfigure download and backupSettingsschedules here.
- Schedule List The Schedule List will display all completed, active, and pending scheduled downloads and backups.

D I Stal					
DNS-323	Schedule Downloads	BitTorrent	Support	Logout	
DNS-323	Schedule Downloads SCHEDULING SETT Schedule downloads of Save Settings SCHEDULING SETTI Login Method Usi Pai Type File URL Save To When Date : Time Recurring Backup Ince	BitTorrent INGS : files and folders from an F Don't Save Settings NGS : ount Anonymous er Name H+++++ ssword O4 V 22 V 20 V 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Support TP server, web server, or Test Local Browse 8 V	Logout	Helpful Hints Always test the URL before applying changes. This will help to ensure a successful download.
	SCHEDULE LIST : Status Download Path		Save To	Time Del Refresh	

Scheduling Settings

- Login Method Select the appropriate login method to access the files for download. If the site requires login credentials, select Account and enter a valid username and password.
 - Type Select File or Folder, depending on what you want to download or backup.
 - **URL** Enter the URL of the site or server you are initiating a transfer from.
 - E.g. ftp://123.456.789/Test ftp://123.456.789/test.txt http://www.test.com/test.txt
 - Test Click Test to test the URL is valid and the user name and password are correct.

SCHEDULING SETTINGS :				
Login Method	O Account 💿 Anonymous			
	User Name ****			
	Password •••••			
Туре	File 🔽			
URL	Test Local			
Save To	Browse			
When	Date : 03 V/ 03 V/ 2008 V Time : 14 V: 10 V			
Recurring Backup	None 💽 00 😒: 00 😒			
	Incremental Backup (Only for local backup)			

- Local Click Local to set the source file or folder from one of the internal drive volumes. Click **Browse** to select the file or folder, and click **Ok** to accept the network path.
- Save To Enter a valid destination drive on the DNS-323, or click **Browse** to select the destination.
- When Enter the date and time you want the scheduled backup or download to occur.
- **Recurring** Backup Designate the interval and time you want the backup or download to run unattended.
- Incremental Backup By default all local backups and file/folder downloads are in **Overwrite** mode, meaning that identical files in the destination folder will be overwritten by the source files. Checking **Incremental Backup** will have the DNS-323 compare identical file names at the source and destination. Files will only be overwritten if the source file is more recent edited.

BitTorrent

The DNS-323 features a built-in BitTorrent Manager allowing you to Download and Upload Torrents with the DNS-323.

Installing BitTorrent

To install the BitTorrent program, insert the DNS-323 CD into your CD-ROM and launch the Easy Search Utility.



When the BitTorrent installation has completed, the following window will appear to indicate that the DNS-323 is restarting.

After restarting, the Easy Search utility will show the BitTorrent as a volume on the DNS-323.

	D D-Link Easy	Search Utility			
	∟ Network Storage	e Device ———			
	Name	IP	Netmask	Gateway	Refresh
	dlink-AD0FA3	192.168.0.32	255.255.255.0	192.168.0.1	Configuration
					comgaration
					Language
	<			>	BitTorrent
	IP:	192 . 168 . 0	. 32 Rec	eive DHCP : Ena	able 🔻
	Netmask :	255 . 255 . 255	5.0		
		400 400 0			Apply
	Gateway:	192 . 168 . U	. 1	-	
	CDrive Mapping -				
	Volume Name	Location		Available Driv	e Letters :
me.	BT Volume 1			G:	
-	Volume_2				
				Connect	Disconnect
	8 hout				Evil
	About				EXπ

BitTorrent Configuration

After installing the BitTorrent program, you can access the DNS-323 built-in BitTorrent menu by inserting the DNS-323 CD into your CD-ROM and launching the Easy Search Utility.



The DNS-323 login screen will appear:

	D-Link	
	DNS-32	3
Type admin for the username and leave the password field blank by default or your new password.	User Name: Password: Configuration Downloads	
Chick Dominoudo.	STORAGE	
	Copyright © 2008 D-Link Corporation/D-Link Systems	, Inc.

Click on the **BitTorrent** tab to access the BitTorrent settings. You can add Torrents from either a URL or from a file on your PC.

Adding a Torrent From URL

To add a Torrent from a URL

- Click the Add Torrent from URL checkbox.
- Type in the URL of the website where you will download the Torrent from and click the **Add** button.

The Torrent will now appear in the Downloads list.

D-Link	•				
IS-323	Schedule Downloads	BitTorrent	Support	Logout	
wnloads	Downloads :				
	Here you can download	l files using the built in BitT	Forrent download man	nager.	
	Downloads :				
				Total Speeds Downloads: Uploads:	0 0
	Add Torrent From UR	LURL D Add Torrent Fro	Add om File	Remove C	completed 🔀
	 TI	here are currently n	o torrents. Add	a torrent above.	

Adding a Torrent From File

To add a Torrent from a File

- Click the Add Torrent from File checkbox.
- Click the **Browse** button.
- Navigate to the folder where the Torrents are located on your PC and click the **Add** button.

The Torrent will now appear in the Downloads list.

D-T iml					
IS-323	Schedule Downloads	BitTorrent	Support	Logout	
wnloads ttings	Downloads :	I floc using the built in Dit	Forront download manag	~	
	Downloads :	r nies asing the ballt in Bit	orrent download manag	er.	
			Ti I I	otal Speeds Downloads: Jploads:	0
	Browse Add Torrent From	No File Select	ted om File	Add Remove Co	ompleted 💥
	ті	here are currently n	o torrents. Add a t	torrent above.	

Torrent Settings

Click the Settings link in the **BitTorrent** menu to change the Bit Torrent settings.

You can use the radio buttons on this screen to customize the Bit Torrent Settings of the DNS-323.

- **Port Settings** Select the appropriate login method to access the files for download. If the site requires login credentials, select **Account** and enter a valid username and password.
- Bandwidth
ManagementTo manually set the Bandwidth Management
click the Manual radio button and type in
the Maximum download rate, Maximum
upload rate and Maximum upload rate when
seeding in the appropriate text boxes.
 - **Seeding** Select the appropriate seeding option from the radio buttons.

-T imi	- °				
323	Schedule Downloads	BitTorrent	Support	Logout	
oads	Settings :				
lz	Here you can configure y	our BitTorrent download	manager settings.		
	Settings :				
	Port Settings:				
	⊙ Default (6881)	Ì			
	O Custom				
	Incoming conne	ections port:			
	Bandwidth Manager	nent:			
	 Automatic 				
	🔘 Manual				
	Maximum dowr	iload rate (kB/s):	default:	-1 (unlimited)	
	Maximum uplo	ad rate (kB/s):	default:	-1 (unlimited)	
	Max. upload ra	e when seeding (kB/s)	default:	-1 (unlimited)	
	Seeding:				
	 Seed until rem 	ioved			
	Stop seeding	when ratio reaches	%		
	Stop seeding	after	minutes		
			Save Cancel		

Downloads Support

The DNS-323 features support files to help you with the Downloads features.



USB Print Server

The DNS-323 features a built-in USB print server, giving users the ability to share a printer on their local network. Connect a USB printer to the USB port on the back of the DNS-323. It is important to ensure that any of the printer manufacturer's drivers are already installed on any computer you want to print from.

To add a printer:





The Windows® Add Printer Wizard will launch:





	Add Printer Wizard
	Browse for Printer When the list of printers appears, select the one you want to use.
Double-click DNS-323 from the Shared Printers list to expand the tree.	Printer: Shared printers: Microsoft Windows Network WORKGROUP DNS-323 Printer information Comment: Status: Documents waiting: Capace

Browse Whe	for Printer en the list of printers appears, :	select the one you want to use.	
Printer:	\\dns-323\lp		
Shared	printers:		
	ficrosoft Windows Network WORKGROUP		
	DNS-323	UCD Destar	
Printe	r information		
Printe Com Stat	r information ment: USB Printer us: Ready	Documents waiting:	0
Printe Com Stat	r information ment: USB Printer us: Ready	Documents waiting: < <u>B</u> ack <u>N</u> ext >	0

Select the available USB printer, and click **Next** to continue.

The following printer driver messages will appear:





	Add Printer Wizard	? 🔀
	Select the manufacturer and model of your printer. If your pri an installation disk, click Have Disk. If your printer is not liste printer documentation for a compatible printer.	nter came with d, consult your
	Printers	
	EPSON Stylus Photo 925	
	This driver is digitally signed. <u>Tell me why driver signing is important</u>	<u>H</u> ave Disk
	ОК	Cancel
Verify if the driver is correct, and click OK to continue.	1	
A	dd Printer Wizard	
	Completing the Add Prin Wizard	nter
	You have successfully completed the Add You specified the following printer settings:	^p rinter Wizard.
	Name: Ip on dns-323 Default: Yes	
	Location:	
	Comment:	
	To close this wizard, click Finish.	
	< Back Finish	Cancel
The wizard will install the printer drivers, and return a completion screen. Click Finish .		


Storing non-English Character Files

If you are using firmware 1.04 or later, by default the DNS-323 will support Unicode which is an industry standard allowing computers to consistently represent and manipulate text expressed in most of the world's writing formats. However, if you were using an earlier version of firmware (1.03 or earlier) and have just upgraded to 1.04 or higher, Unicode will not be supported until you have reformatted the hard drives in your DNS-323. If you wish to store non-English character files but do not want to reformat your hard drives, you will need to change the Language setting of the device to ensure compatibility with those files.

Follow the Easy Search Utility steps below to change the language of your device if you have chosen to not reformat your hard drives.

Insert the DNS-323 CD into your CD-ROM drive.

Click Easy Search Utility. D-Link DNS-323 2-BAY NETWORK STORAGE ENCLOSURE Stry Starbilly Wee Additions Wee Manual Stored Stored

D D-Link Easy Search Utility Network Storage Device -IP Name Netmask Gateway Refresh Highlight an available DNS-323 and click Language. dlink-AD0FA3 192.168.0.32 255.255.255.0 192.168.0.1 Configuration Language BitTorrent Receive DHCP : Enable Netmask Apply Gateway rive Mappin Available Drive Letters : Volume Name Location H: Connect Disconnect E×it About

Select the appropriate language from the drop-down menu and click **OK**.

		_	
Language :	Western European	•	OK
	Simplified Chinese	•	Cencel
	Western European	_	Cancer
	Japanese SJIS		
	Korean Hangul		
	Cyrillic	•	

The DNS-323 will restart.

Note: Changing the language setting will NOT change the display language of the user interface. It is only for supporting non-English character file names.

The DNS-323 is restarting. Please wait a moment.

Replacing or Adding a New Hard Drive

It is recommended that you backup your important files before replacing or adding a new hard drive to the DNS-323.

Replacing a Hard Drive:

Please make sure the power is off before replacing a hard drive. After you install the new drive, turn on the DNS-323 and then connect to the Web UI. The DNS-323 will prompt you to format the new drive (Standard, RAID 1 mode) or both drives (JBOD, RAID 0 mode).

Adding a New Hard Drive:

The DNS-323 is able to work with one single hard drive under Standard mode. Please make sure the power is off before installing a second hard drive.

After you install the new drive, turn on the DNS-323 and then connect to the Web UI. The DNS-323 will prompt you to format the new drive.

Note: Formatting a hard drive will erase the data stored on the hard drive. Please backup important data before formatting a hard drive.

After you install the new drive, turn on the DNS-323 and then connect to the Web UI. The DNS-323 will prompt you to format the new drive.

You will now have two choices for your disk configuration:

- If you want to configure the new disk as a separate volume, press the **Next** button.
- If you want to configure the new disk in the DNS-323 to use RAID 1, click the Reconfigure to RAID 1 check box and click the Next button.

	DNS-323		
VE SETTINGS:			
econd hard drive will now be any data.	e formatted. The existin	ig hard drive	
Model	Serial Number	Size	
WD7500AAKS-00RBA	WD-WCAPT0272612	750 GB	
	Sł	ip Next	
	VE SETTINGS: econd hard drive will now be any data. Model WD7500AAKS-00RBA e to RAID 1	VE SETTINGS: econd hard drive will now be formatted. The existin any data. Model Serial Number WD7500AAKS-00RBA WD-WCAPT0272612 e to RAID 1	

Note: Formatting a hard drive will erase the data stored on the hard drive. Please backup important data before formatting a hard drive.

The following message will display when the formatting has completed:

Press the **Restart** button to continue.



STORAGE

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