

USER MANUAL

ShareCenter™ DNS-315

VERSION 1.2



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Introduction

The D-Link DNS-315 1-Bay Network Storage, when used with an internal SATA drive, 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 server, and Web File server protocols. 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-315, 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. The DNS-315 will be available to any computer (PC, MAC, or Linux-based) on your network, without the need to install any software on the computer.

Back up your music, photo, and video collections to the DNS-315 for safekeeping. Then, enjoy the benefits of the built-in UPnP AV media server as you stream digital content to compatible media players² (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.

1 Hard Drive not included.

2 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.

Product Overview

Package Contents

- D-Link ShareCenter™ DNS-315
- CD-ROM with Manual and Software
- Quick Installation Guide
- 12V/ 2A Output Power Adapter
- Cat5 Ethernet Cable
- 6 x Screws



Note: Using a power supply with a different voltage than the one included with the ShareCenter™ 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 minimum requirements are recommended on any system used to configure and use the ShareCenter™:

- Computer with: 1Ghz processor / 512 MB RAM / 200 MB available space / CD-ROM drive
- Internet Explorer version 7, Mozilla Firefox 3 or Apple Safari 4 and above
- Windows® XP (with Service Pack 2) or Vista™ or Windows 7™
- 3.5" SATA Hard Drive(s)

Operating System Compatibility

The DNS-315 is compatible with the following operating system:

Windows®

- Windows XP
- Windows Vista
- Windows 7

Mac® OS X®

- Leopard®
- Snow Leopard®
- Lion®

For the highest performance and reliability, always install the latest updates and service packs. For **Windows**® computers, go to the **Start** menu and select **Windows Update**. For **Mac** computers, go to the **Apple** menu and select **Software Update**.

Disk Drive Format

The DNS-315 drive is preformatted as a single EXT4 partition for compatibility with all Windows operating systems via SAMBA.

Features

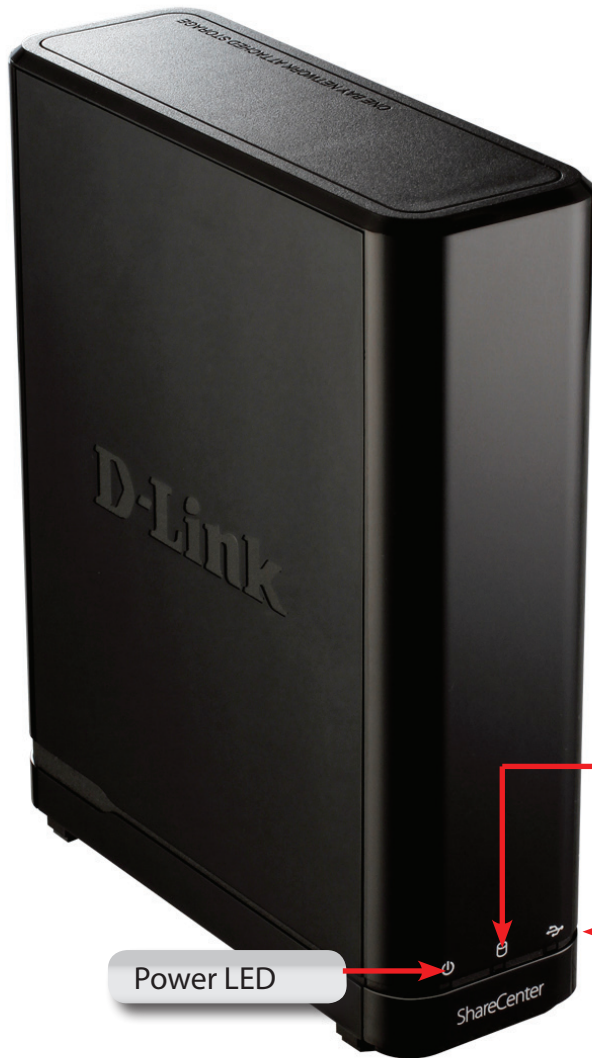
The ShareCenter™ is designed for easy installation and allows remote access to important data via LAN or WAN. This ShareCenter™ supports up to 1 SATA hard drive and includes the product features listed below:

- Equipped one 10/100/1000 Mbps auto-MDIX Gigabit Ethernet LAN port
- Embedded one hot-swappable SATA II 3.5" HDD interface, support 3TB HDD or larger volume
- Equipped Ultra Cooler with FAN speed control
- Support Real time clock (RTC), NTFS
- Network Protocols
 - DHCP Client or Static IP
 - NTP Server
 - DHCP Client or Static IP
 - Windows 7, Vista x32/64 PnP-X/LLTD
 - Dynamic DNS
 - Bonjour
 - UPnP Port Forwarding
- Network File Services
 - Supports Windows XP/ Vista/ 7, Mac OS X 10.5, Linux
 - CIFS/SMB for Windows and Mac OS X
 - NFSv2/v3 for Linux and UNIX
 - HTTP and HTTP/S for web browsers
 - AFP3.1 for Mac OS X
- File System
 - EXT4 for internal HDD
 - FAT32, NTFS for USB external Storage
- File System Management
 - Unicode Support for both Samba and FTP server
 - File sharing: Windows/ Mac/ Linux
- FTP server
 - FTP over explicit SSL/ TLS mode (FTPES)
 - FTP bandwidth and connection control
 - FTP support FXP
- Download Management
 - HTTP/FTP schedule download
 - Peer to peer download support
- Disk Management
 - HDD S.M.A.R.T test
 - Scandisk
 - Reformat HDD: EXT4
 - Support Advanced Format HDD
- Power Management
 - Power Saving (Disk idle spin-down)
 - Automatic power recovery
 - Schedule power on/off
 - Smart FAN Control
- Folder Management
 - Share Folder Level Permission
 - Public Folder
 - Supports ISO Mount

-
- Remote File Sharing
 - Web File Sever
 - FTP Server
 - WebDAV
 - User/Group Management
 - User/group assignment for Network sharing and FTP server
 - Quota for user and group
 - Users can assign to multiple Groups
 - Batch User Creation/ Import Users
 - Backup Management
 - Schedule Backup from PC to NAS
 - Apple Time Machine support
 - Remote network backup (Rsync, Remote Snapshot)
 - Cloud Backup (Amazon S3)
 - USB Backups (External storage and digital camera)
 - USB Copy Button
 - System Management
 - Support Storage Utility
 - OS support: Windows XP, Vista, 7 and Mac OS X
 - Two access modes supported: Open (Share) mode and Account (User) mode, no setup necessary in open mode
 - Support Configuration file save/load
 - System status
 - Network Recycle bin
 - System/FTP Log (Syslog Client)
 - Email/ SMS notifications
 - USB port support:
 - External Storage device
 - Printer server
 - MTP/PTP
 - Media Streaming
 - UPnP AV server:
 - DLNA Certificated
 - Support PS3/Xbox 360
 - Support UPnP AV file > 4GB
 - D-Link new Media Player (including Boxee) compatible
 - iTunes Server
 - Windows Applications
 - Yahoo Widget support
 - Web Browsers Supported
 - Internet Explorer 7+
 - Mozilla Firefox 3+
 - Apple Safari 4+
 - Google Chrome3+
 - Opera 10+

Hardware Overview

Front Panel



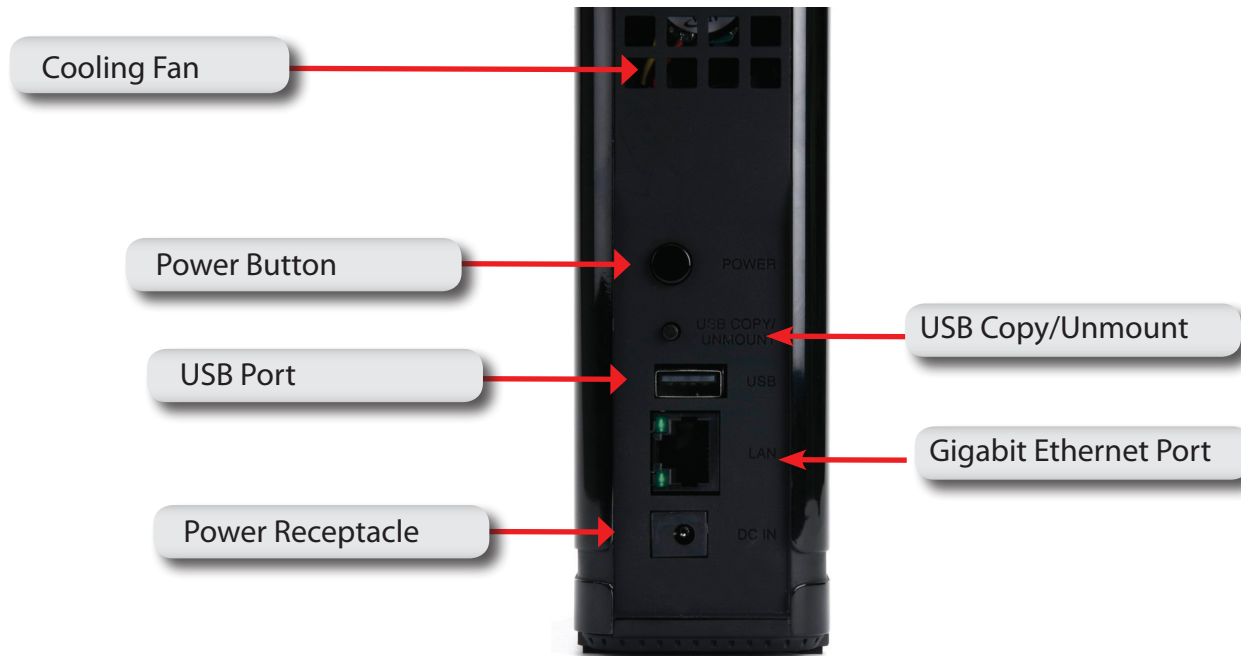
COMPONENT	DESCRIPTION
Power LED	This WHITE light illuminates when the device is powered on.
HDD LED	This WHITE light will be solid when the drive is connected but inactive. The WHITE light will blink when the drive is being accessed. It will illuminate AMBER if free drive capacity is less than 5%. It will illuminate RED if the drive fails.
USB LED	This WHITE light will illuminate when a USB Storage device is inserted into the USB port. When there's traffic this light will blink. It will illuminate AMBER if it fails to mount the USB storage device.

Power LED

HDD LED

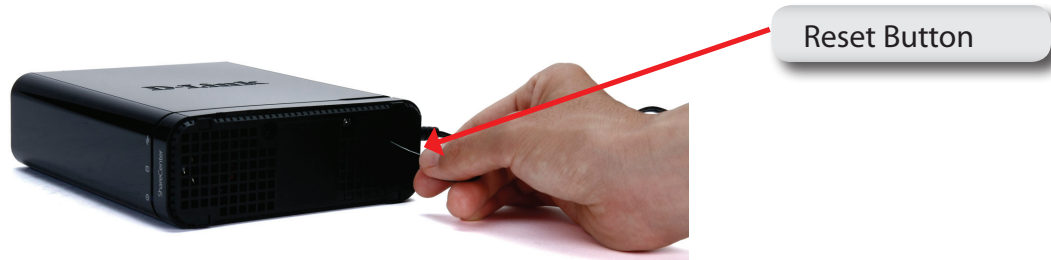
USB LED

Rear Panel (Connections)



COMPONENT	DESCRIPTION
Cooling Fan	The cooling fan is used to cool the hard drive.
Power Button	Press this button to power on the DNS-315
USB Button Copy/ Unmount	Click this button to copy data from your USB storage device. Click it again for 5 seconds to unmount the USB storage device.
USB Port	Use this port to attach a USB device
Gigabit Ethernet Port	Use the Gigabit Ethernet Port to connect the ShareCenter to the local network. The port is equipped with both a LINK/Traffic (R) and Speed LED (L) to indicate connectivity and traffic respectively to the local LAN
Power Receptacle	Connect the supplied power cord to the back socket

Bottom Panel (Connections)



COMPONENT	DESCRIPTION
Reset Button	Press and hold the button for over 5 seconds to reset the DNS-315.

Note about Power Button & Reset Button

Use the Power Button to safely power up and power down the DNS-315 to avoid data loss or data damage to the drive. Use the Reset Button and the Power button together to Repair the hard drive on the DNS-315.

LED Notifications



When all lights are inactive the system is powered down.



When the Power LED is flickering white, the DNS-315 is powered on.

LED Notifications



When the HDD LED is amber, the free HDD capacity is less than 5% it is in use.



When the HDD LED is red then the HDD fails.

LED Notifications



When the USB LED is amber, that means the USB storage is installed but failed to mount the device



When the HDD LED is red but the USB LED is orange, it means that data is not being transferred to the HDD correctly. Check the USB Flash drive. Make sure the device is installed correctly.

Handling Precautions

The DNS-315 must be handled with care and precaution during unpacking and installation. Drives may be damaged by rough handling, shock, or vibration. Always observe the following precautions when unpacking and installing your DNS-315.

- Do not drop or jolt the DNS-315
- Do not move the drive during activity. Secure it tightly with the screws provided.
- Do not use this product as a portable drive.
- To allow proper ventilation, do not block any of the drive enclosure's air slots.

Connecting the DNS-315 and Getting Started

This chapter provides instructions for connecting the drive to your network and installing the ShareCenter software. It includes the following topics:

- Connecting the DNS-315
- Getting Started with the ShareCenter Setup Wizard

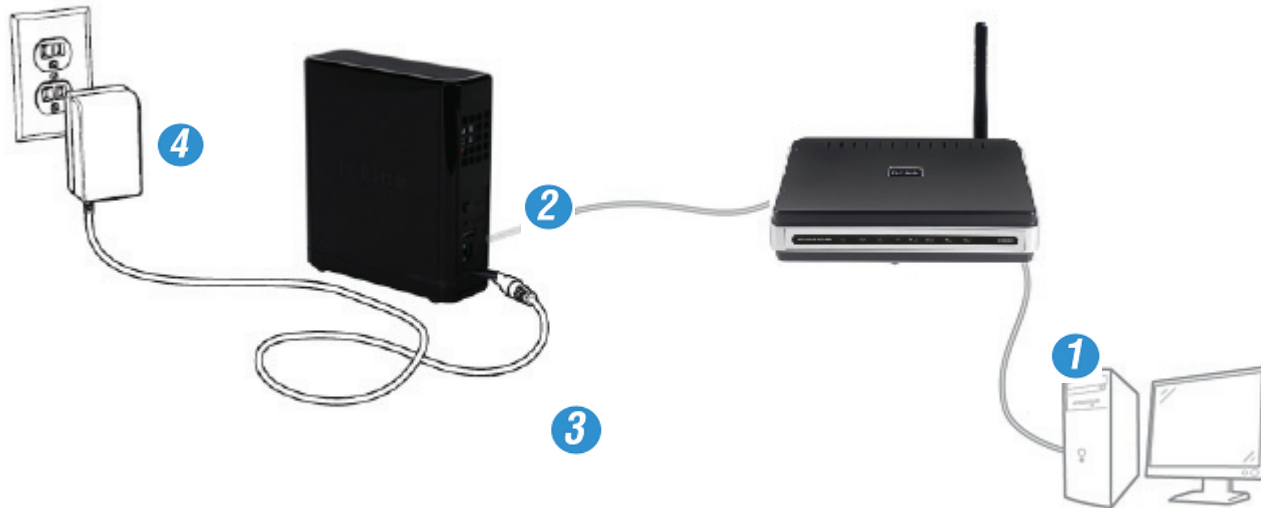
Connecting the DNS-315

To connect the DNS-315:

- Depending on your region, if required, change the power adapters as follows:

Connecting the DNS-315 and Getting Started

- Connect the devices accordingly



1. Connect your computer to the router (using an Ethernet Cat5 cable).
2. Connect the DNS-315 to the router (using an Ethernet Cat5 cable).
3. Connect the Power cord to the DNS-315.
4. Plug the socket into the wall unit.

To run the Storage Utility or the ShareCenter Setup wizard insert the ShareCenter™ CD into your CD-ROM drive:

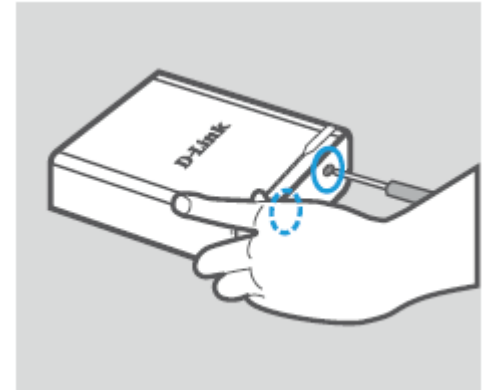
The auto-run feature starts the program. Click "Start" to begin.

START

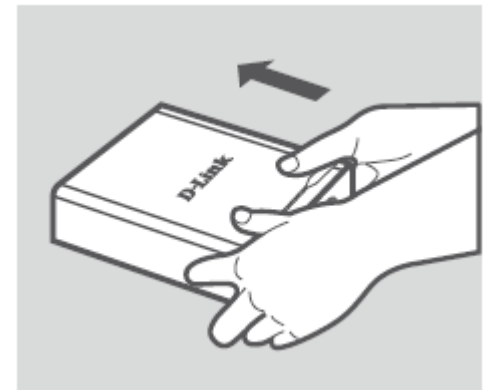
The ShareCenter Setup wizard provides a Welcome screen. Follow the instructions carefully.

Installing a Hard Drive in the DNS-315

Step 1: Unscrew the two screws at the bottom of the DNS-315.



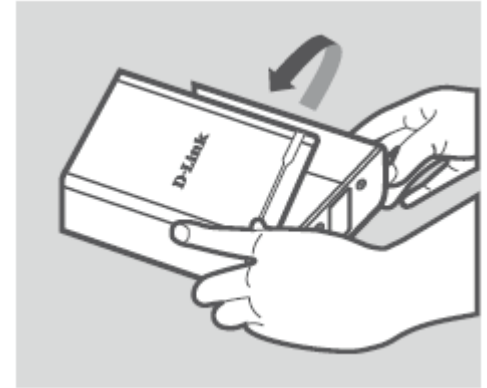
Step 2: Slide the cover away from you until it unhooks from the base.



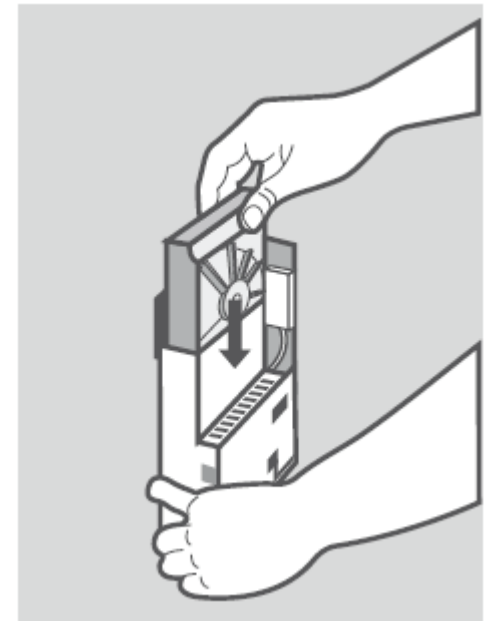
Note about Installing a new hard drive

Please power off the DNS-315 before removing the cover

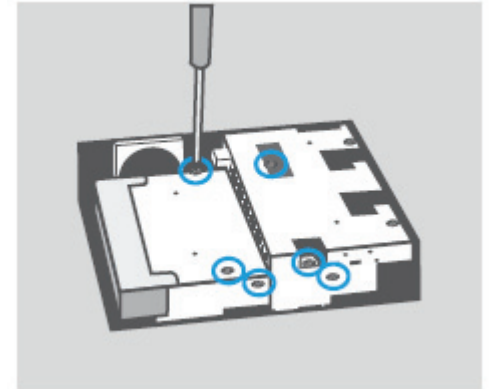
Step 3: Unhook and open the cover from its base.



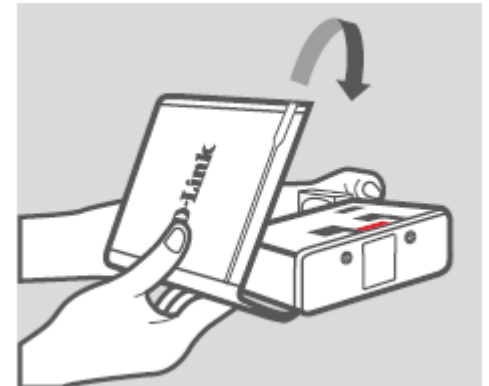
Step 4: Keep the DNS-315 in the upright position and insert a 3.5" hard drive into the drive bay of the device. (Ensure the SATA connector is aligned with the SATA socket at the base of the unit otherwise the DNS-315 will not power on correctly.)



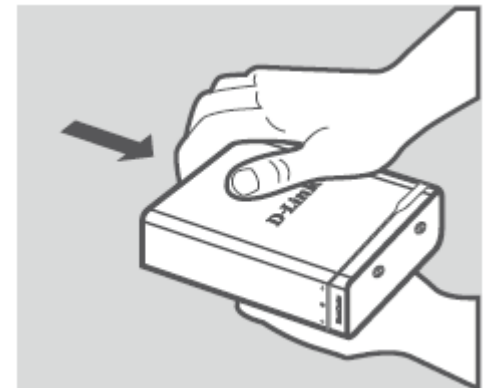
Step 5: Screw all six screws supplied to secure the hard drive to the base unit.



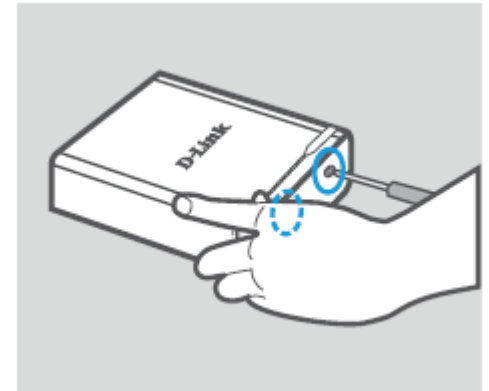
Step 6: Flip the cover back to align with the red line on the bracket.



Step 7: Slide the cover downwards.

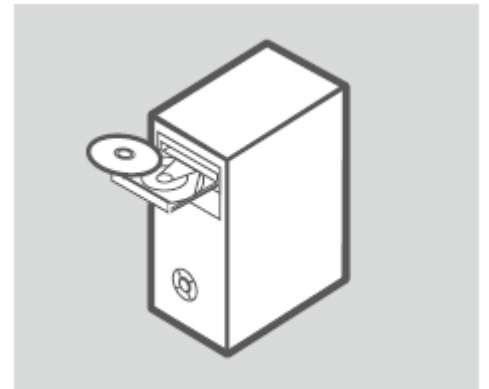


Step 8: Re-attach the device screws at the bottom of the DNS-315.



Step 9: Remove the ShareCenter from the package and insert it into your computer.

Important: Ensure that your internet connection is active. Do not connect any USB storage devices yet.



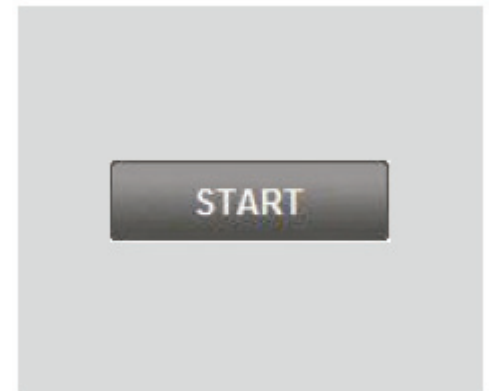
Step 10: Click the gray Start button on the welcome screen to begin the Setup Wizard. Follow the instructions on the screen.

Default IP: DHCP (use D-Link Storage Utility to search)

Default Username: admin

Default Password: (leave this blank)

To ensure trouble free installation, please ensure that your computer is connected with an Ethernet cable to your router when running the installation setup wizard to prevent unexpected network connection errors. Once the DNS-315 setup process is complete, your computer's Ethernet cable can then be disconnected again.



Installation

Setup Wizard (stand-alone)

The Setup wizard will step you through the process of getting your ShareCenter ready for immediate use. The wizard will setup the following:

- Show you the proper Hard Drive installation procedure
- Show you how to connect the LAN cable.
- Show you how to connect Power and switch the device on.
- Show you how to check the Hard Drive LEDs
- Configure your Administrator Username and Password
- Setup the Network configuration for the Local LAN.
- Configure the ShareCenter Name, Description and Workgroup
- Configure the Dynamic DNS settings and/or if necessary, show you how to apply for a DDNS account.
- Setup the System Time and Date
- Configure the E-Mail Settings where the ShareCenter System Alerts are then sent.
- Setup and format the Hard Drive RAID configuration.
- Map the ShareCenter Volumes as Network Drives on your computer.

Note: *The computer used to access the ShareCenter web-based configuration manager must be on the same subnet as the ShareCenter. If your network is using a DHCP server and the computer receives IP settings from DHCP server, the ShareCenter™ will automatically be in the same subnet.*

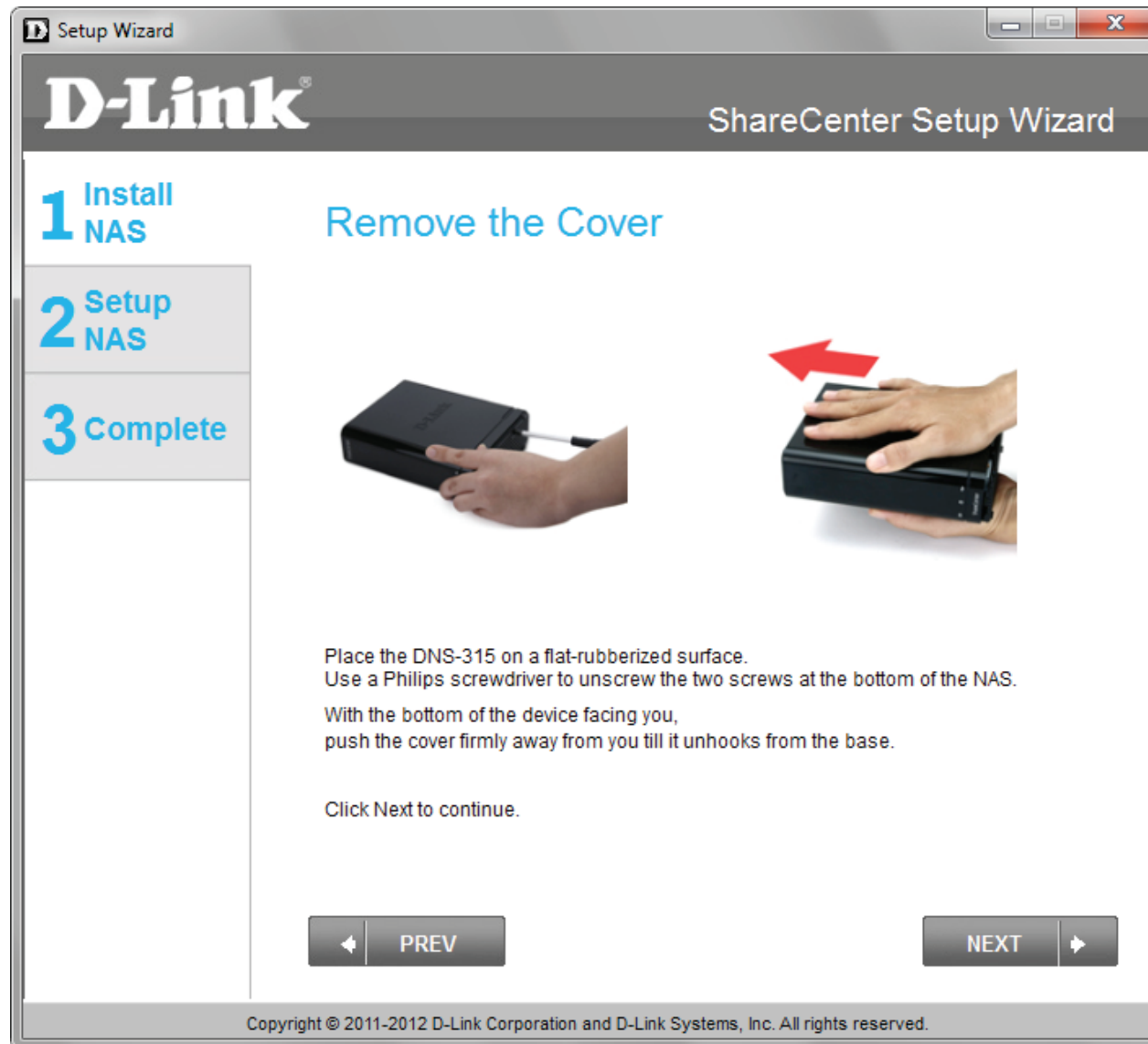
ShareCenter Setup Wizard - Welcome Screen

This step below is the startup screen. The ShareCenter Setup Wizard guides you through the entire installation process. Select your language from the drop-down list and click **New**.



ShareCenter Setup Wizard - Detaching the Cover

This step below shows you how to unscrew and slide the ShareCenter to install the hard drive. Click **Next** to continue.



The screenshot shows a software window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" text. On the left, a vertical sidebar contains three steps: "1 Install NAS", "2 Setup NAS", and "3 Complete". The main area is titled "Remove the Cover" and features two photographs. The first photo shows a hand holding a black rectangular device (the NAS) with a screwdriver at the bottom. The second photo shows a hand pushing the top cover of the device away from the base, with a red arrow pointing to the left to indicate the direction of movement. Below the photos, the text reads: "Place the DNS-315 on a flat-rubberized surface. Use a Philips screwdriver to unscrew the two screws at the bottom of the NAS. With the bottom of the device facing you, push the cover firmly away from you till it unhooks from the base. Click Next to continue." At the bottom of the window, there are two buttons: "PREV" with a left arrow and "NEXT" with a right arrow. A copyright notice at the very bottom states: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

ShareCenter Setup Wizard - Installing the Hard Drive

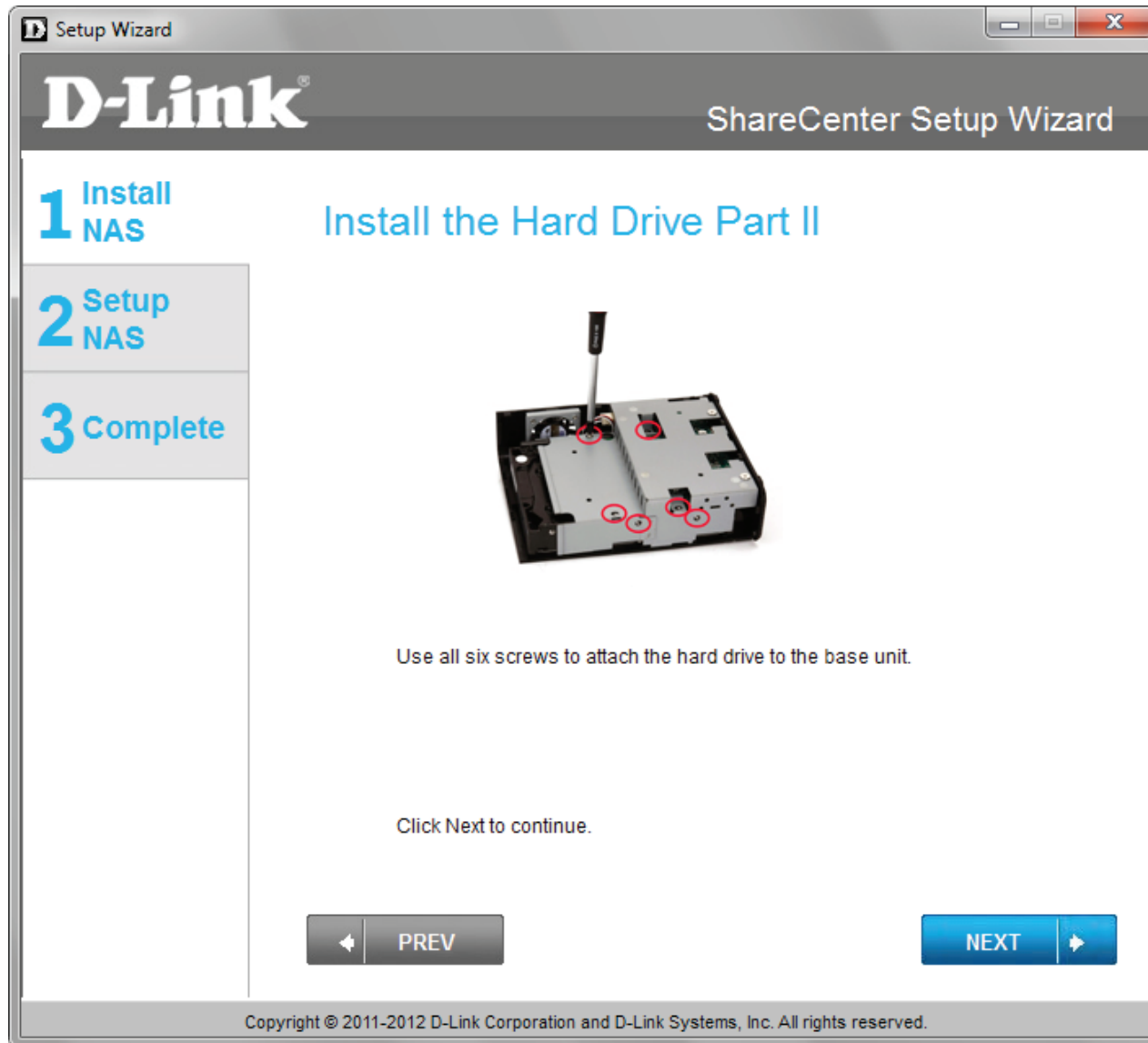
This step above shows you how to open your ShareCenter so that you can install one hard drive. Click **Next** to continue.



The screenshot shows a window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" in the header. On the left, a vertical sidebar contains three steps: "1 Install NAS" (highlighted in blue), "2 Setup NAS", and "3 Complete". The main area is titled "Install the Hard Drive Part I" and features two photographs: one showing a hand opening the top cover of a black NAS device, and another showing a hand inserting a 3.5-inch hard drive into the device's drive bay. Below the photos, the text reads: "Unhook the cover from its base, sit the NAS in the upright position and insert a 3.5" hard disk into the drive bay. Make sure the SATA connectors are aligned with the SATA socket at the base otherwise the NAS will not power on correctly." Below this text is the instruction "Click Next to continue." At the bottom of the window, there are two buttons: "PREV" with a left arrow and "NEXT" with a right arrow. The footer of the window contains the copyright notice: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

ShareCenter Setup Wizard - Screwing the Hard Drive into Place

Use all six screws to firmly attach the hard drive to the base of the DNS-315. Click **Next** to continue.



ShareCenter Setup Wizard - Sliding the Cover & Shutting the Device

Use the hooks on the cover to align it with the red lines on the bracket. Slide it into place and shut the cover. Click **Next** to continue.



The screenshot shows a software window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" text. On the left, a vertical sidebar contains three steps: "1 Install NAS" (highlighted in blue), "2 Setup NAS", and "3 Complete". The main area is titled "Attach the Cover Part I" and features two images: a close-up of a metal bracket with a red circle highlighting a notch, and a photograph of hands sliding a black cover onto the device. Below the images, the text reads: "Take the outside cover and align the hooks to the notches. Clip the cover into place." and "Click Next to continue." At the bottom, there are "PREV" and "NEXT" buttons. A copyright notice at the very bottom states: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

ShareCenter Setup Wizard - Attaching the Cover & Closing the Device

Slide the DNS-315 cover towards you and screw the device firmly into place using the remaining screws. Click **Next** to continue.



ShareCenter Setup Wizard - Connect the DNS-315 to your Network

Connect one end of your Ethernet cable to the DNS-315 and the other end to your router. Click **Next** to continue.



ShareCenter Setup Wizard - Power on your DNS-315

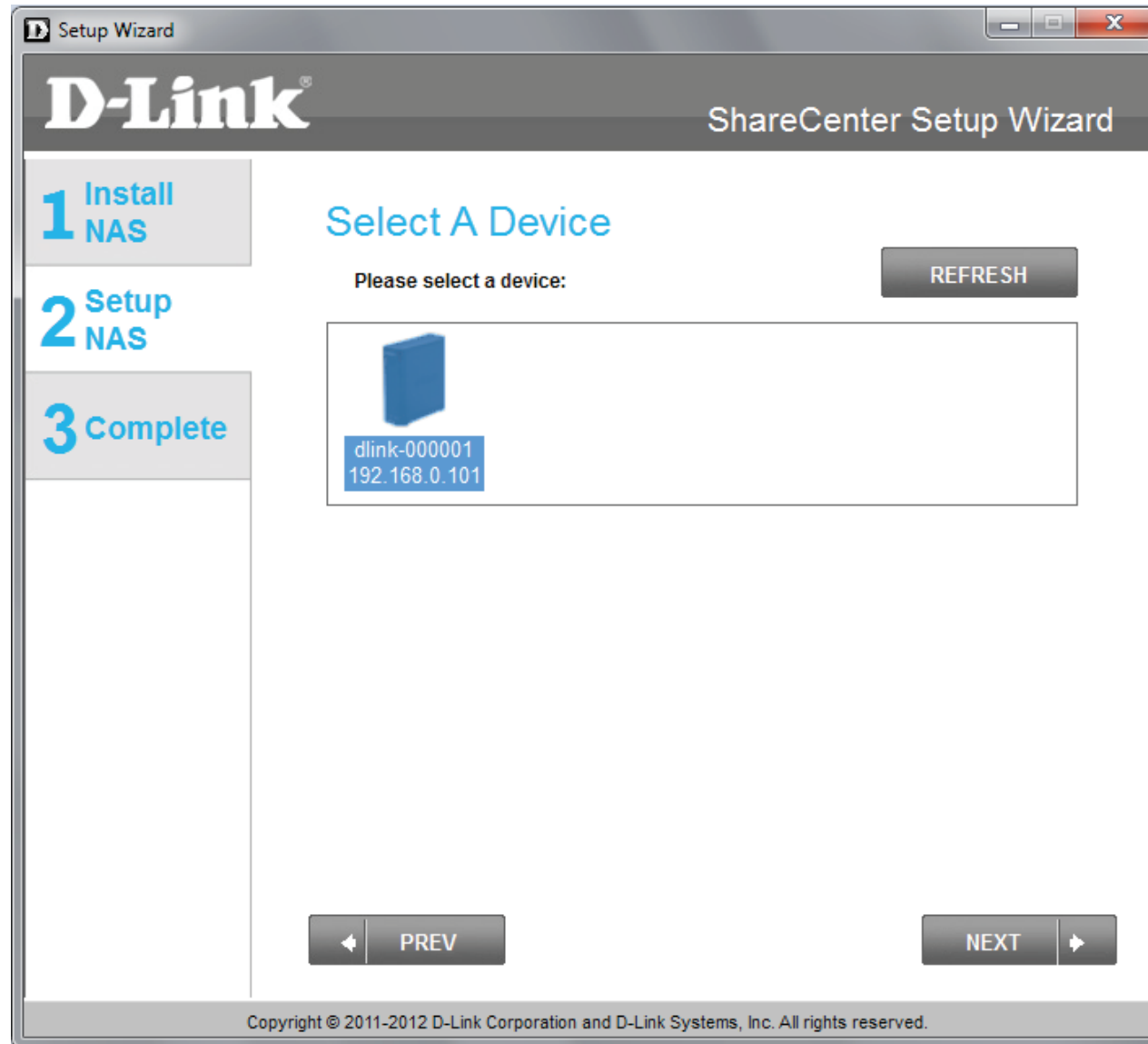
Connect the power cord at the back of your DNS-315, plug it into a wall socket and press the power button. Click **Next** to continue.



The screenshot shows a window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" text. On the left, a vertical sidebar lists three steps: "1 Install NAS" (highlighted in blue), "2 Setup NAS", and "3 Complete". The main area is titled "Power On The NAS" and contains two photographs: the first shows a hand plugging a power cord into the back of the device, and the second shows a hand pressing a power button. Below the photos, the text reads: "Connect the power cord to the DC IN at the back of the NAS and connect the plug into a power socket on the wall. Press the Power button (for a few seconds) just below the fan and ensure the LED's are illuminated at the front of the DNS-315 before clicking the Next button." At the bottom, there are "PREV" and "NEXT" buttons. A copyright notice at the very bottom reads: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

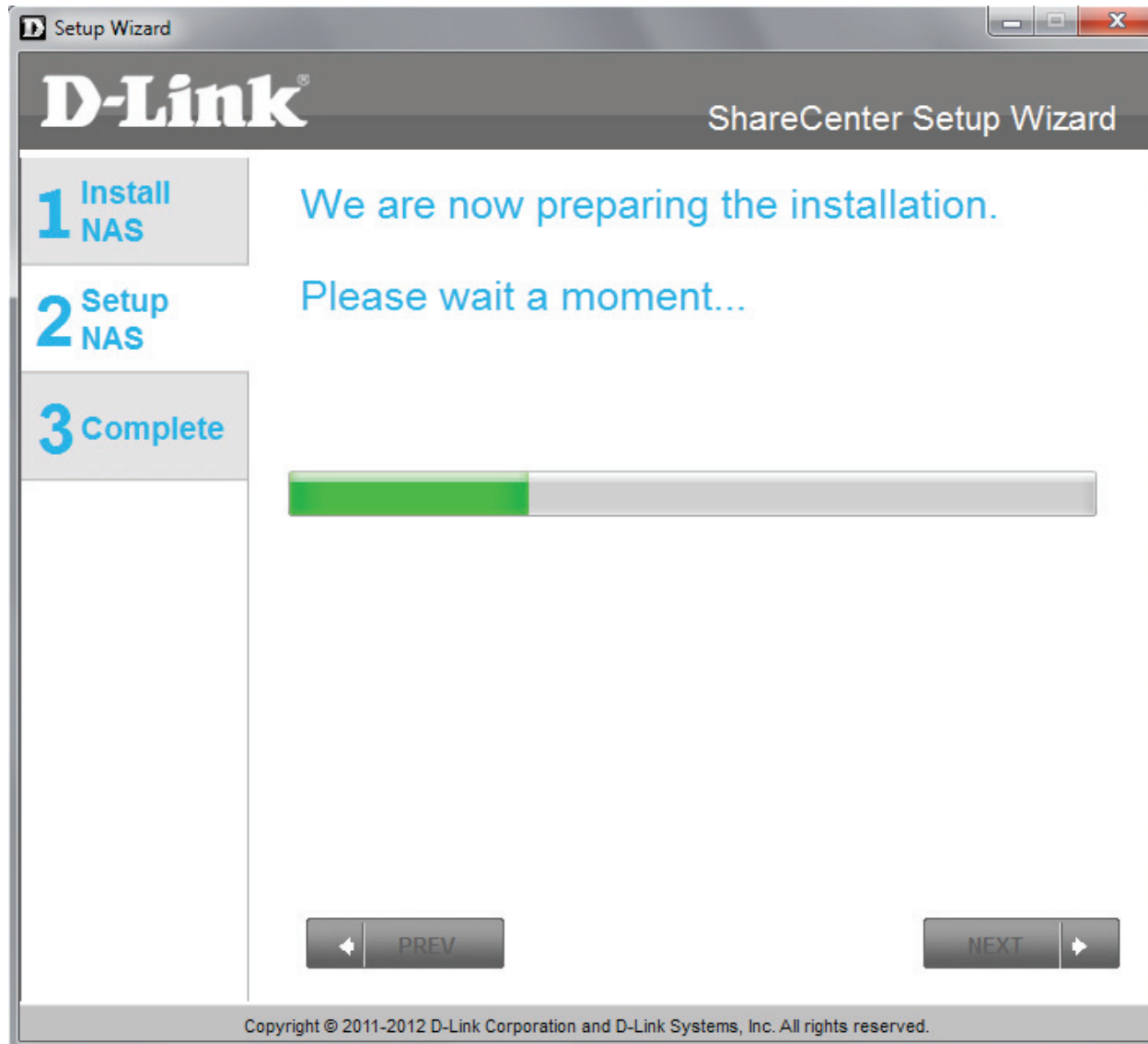
ShareCenter Setup Wizard - Connecting to the DNS-315

Once the DNS-315 is powered on the ShareCenter Setup Wizard automatically detects your device. Select the device and click **Next**.



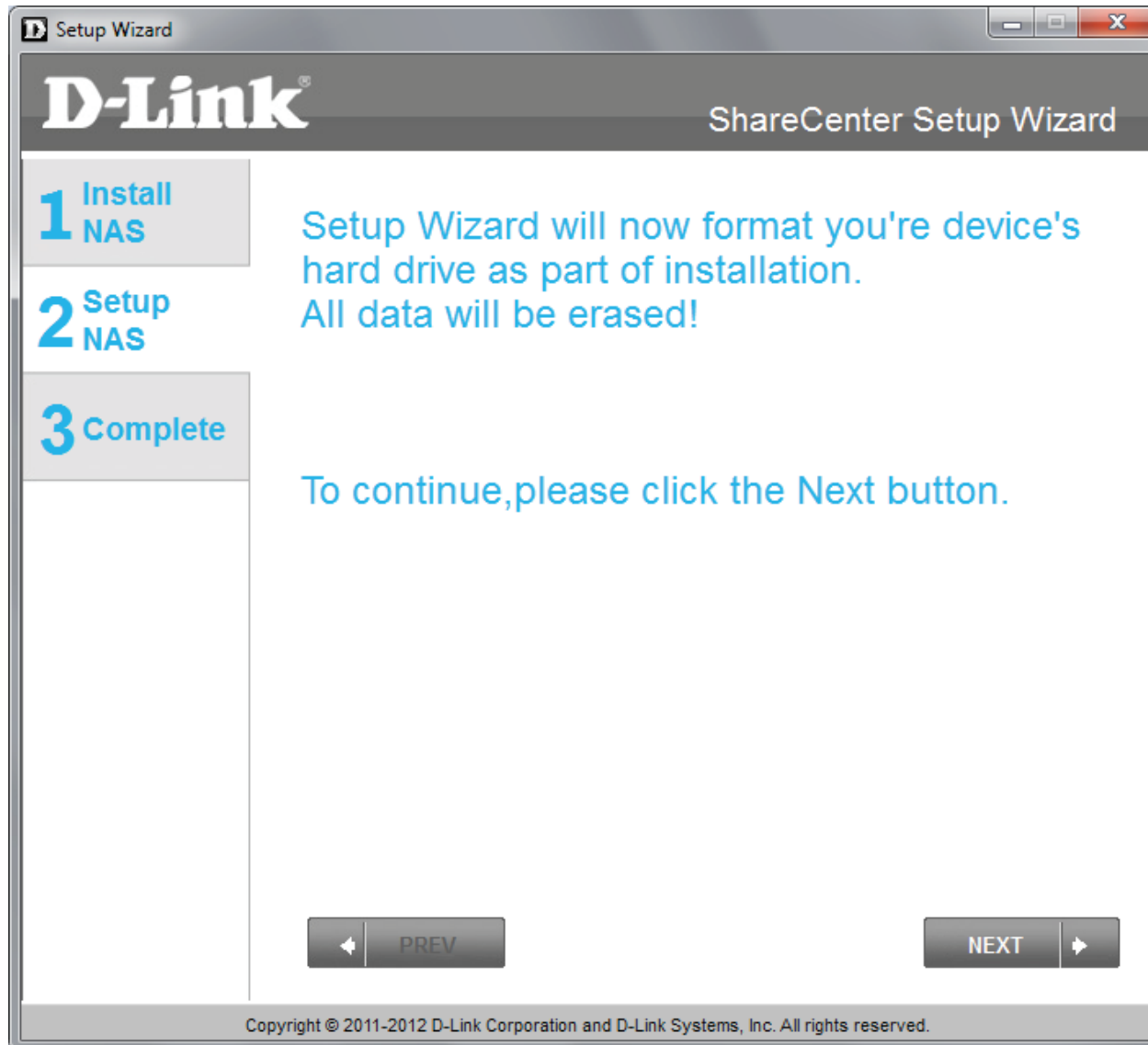
ShareCenter Setup Wizard - Connecting to the DNS-315

The Setup Wizard prepares the hard drive in the DNS-315.



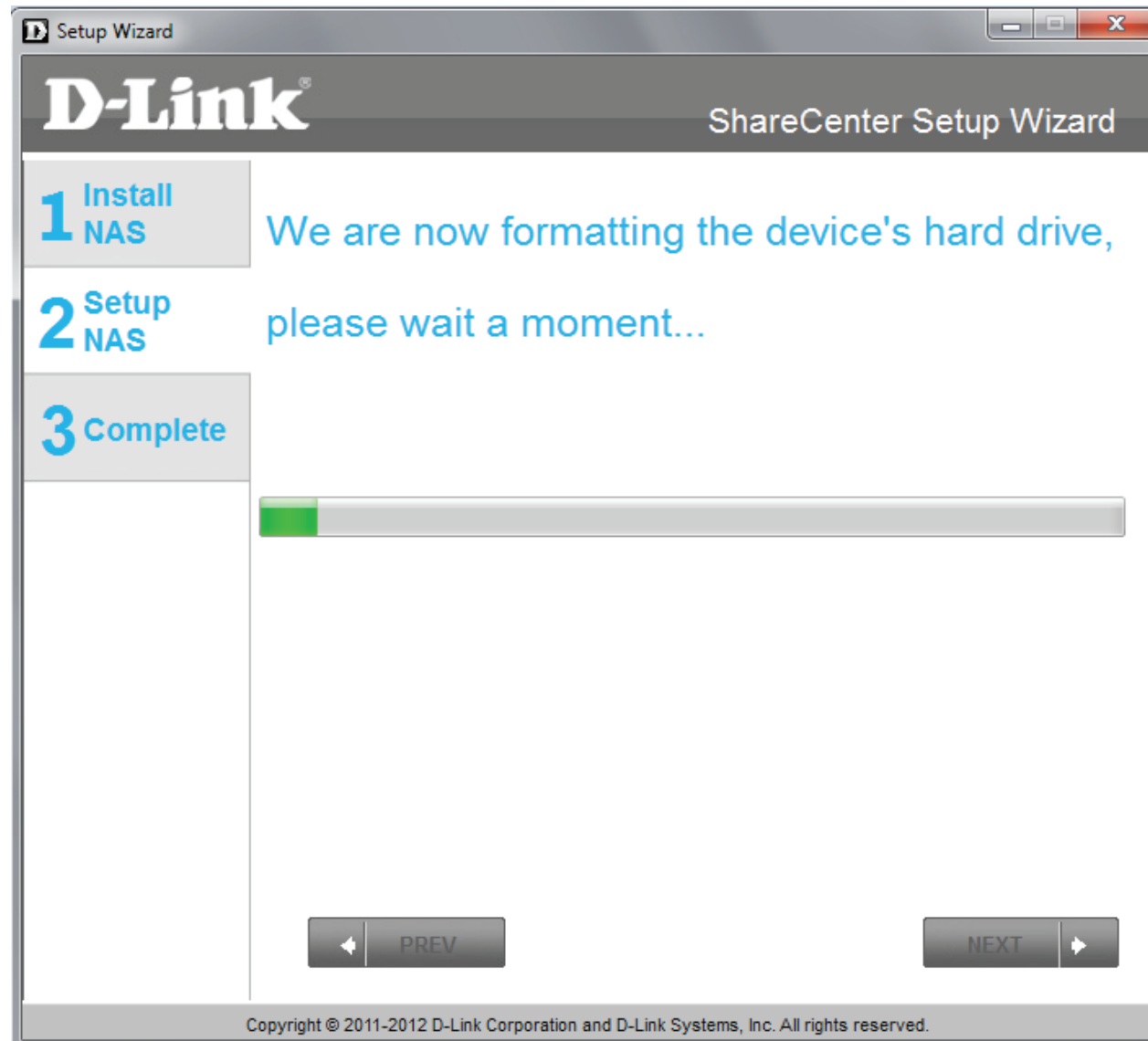
ShareCenter Setup Wizard - Format Warning

The Setup Wizard warns you of data loss before the format process commences.



ShareCenter Setup Wizard - Format

The Setup Wizard formats the hard drive.



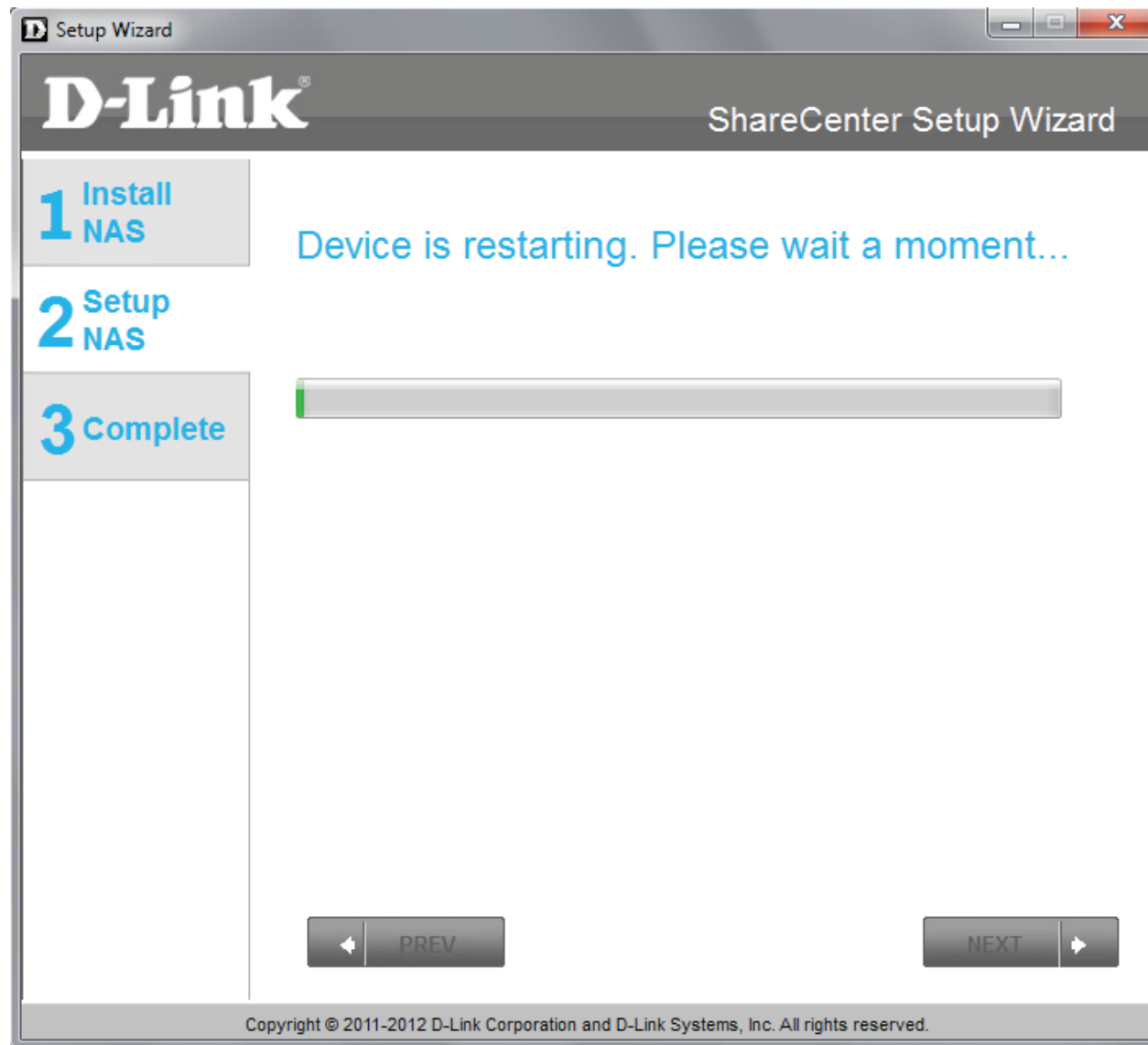
ShareCenter Setup Wizard - Format Complete

The Setup Wizard format is complete.



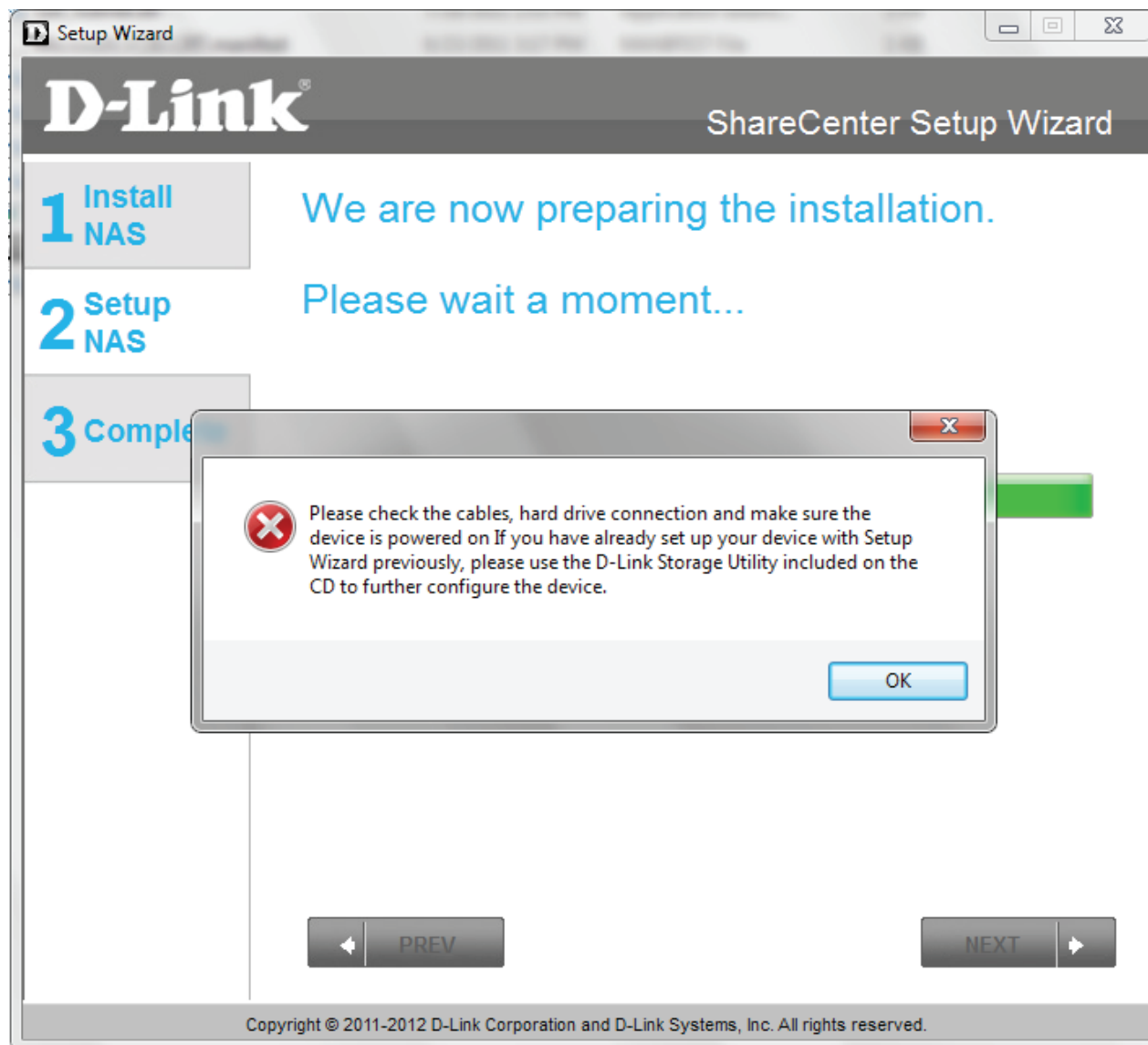
ShareCenter Setup Wizard - Restart

The Setup Wizard restarts the DNS-315.



ShareCenter Setup Wizard - Device Errors

If the Setup Wizard encounters any problems, it might be due to faulty wiring, cables, or the hard drive isn't fixed firmly into the cage. This error will normally appear.



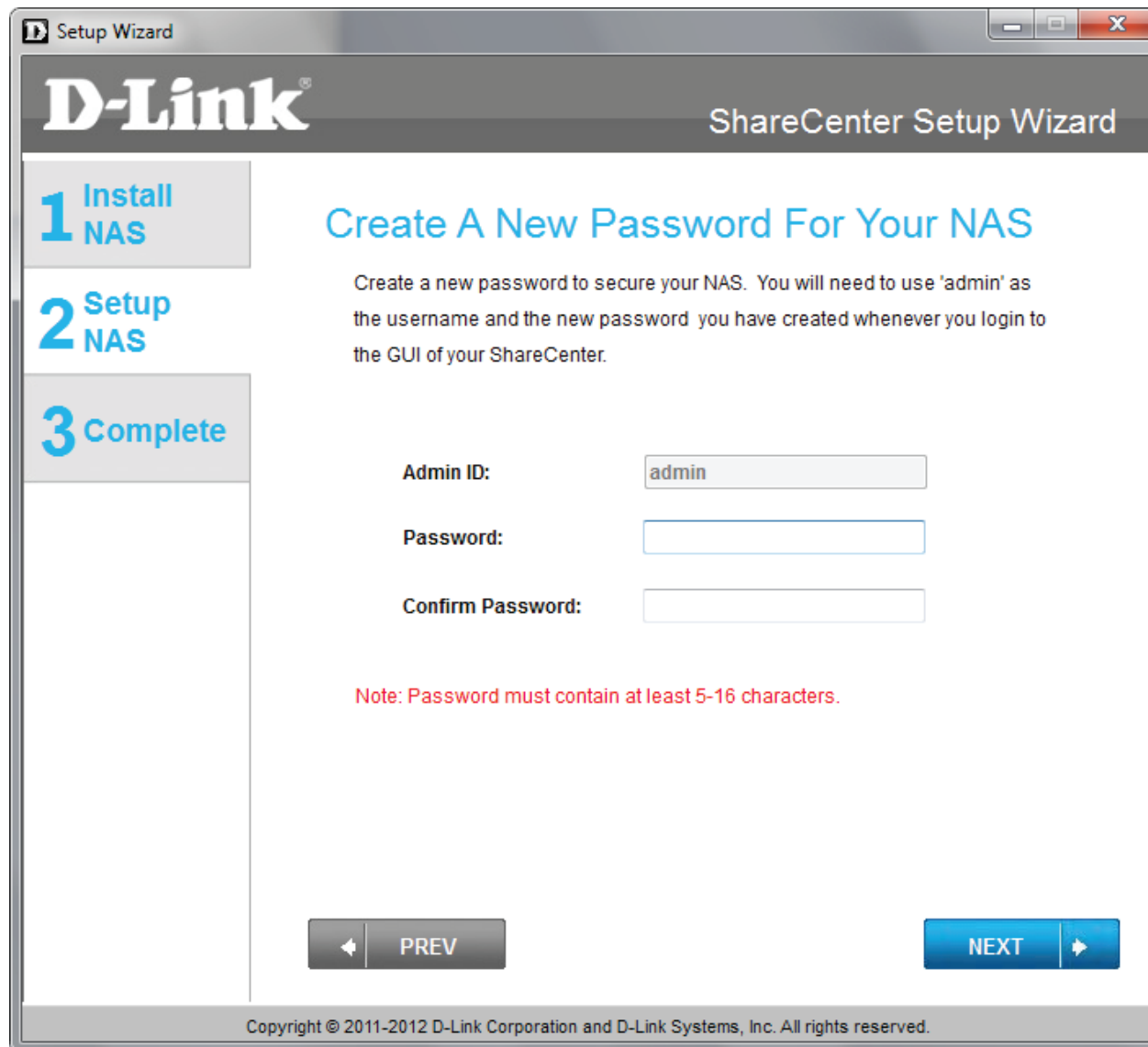
ShareCenter Setup Wizard - Logging into your NAS

The Setup Wizard proceeds to the next stage of setting up your DNS-315 - creating setup parameters.

The screenshot shows a window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" in the header. On the left, a vertical sidebar contains three steps: "1 Install NAS", "2 Setup NAS", and "3 Complete". The main area is titled "Login Your NAS" and contains the following text: "Enter your administrator account password in order to login to your NAS. For the first install, the password should be blank, but also the username should be 'admin'." Below this text are two input fields: "Username:" with the value "admin" and "Password:" which is empty. At the bottom, there are "PREV" and "NEXT" navigation buttons. A copyright notice at the very bottom reads: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

ShareCenter Setup Wizard - Creating a New Password

The Setup Wizard proceeds to the next stage of setting up your DNS-315 - creating setup parameters.



The screenshot shows a window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" text. On the left, a vertical sidebar contains three steps: "1 Install NAS", "2 Setup NAS", and "3 Complete". The main area is titled "Create A New Password For Your NAS" and contains the following text: "Create a new password to secure your NAS. You will need to use 'admin' as the username and the new password you have created whenever you login to the GUI of your ShareCenter." Below this text are three input fields: "Admin ID:" with the value "admin", "Password:", and "Confirm Password:". A red note below the fields states: "Note: Password must contain at least 5-16 characters." At the bottom, there are "PREV" and "NEXT" buttons. The footer contains the copyright notice: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

ShareCenter Setup Wizard - Configuring the IP Address

The Setup Wizard prompts you to configure the IP settings. There are two options: Dynamic and Static. Dynamic allows the DHCP router to set the IP address, while Static allows you to set the IP address. In the example below we have set up the DNS-315 using DHCP which is the default. Ask your systems administrator for help before proceeding with Static IP configuration.



The screenshot shows a window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" text. On the left, a vertical sidebar contains three steps: "1 Install NAS", "2 Setup NAS", and "3 Complete". The main area is titled "Configure Device IP" and contains the following text: "If you want to set an IP address for your ShareCenter please select 'Static IP' and enter the required information. Otherwise click NEXT." Below this text are two radio buttons: "DHCP Client" (which is selected) and "Static IP". Under "DHCP Client", there are five input fields: "IP Address:" with the value "192.168.0.101", "Subnet Mask:" with "255.255.255.0", "Gateway:" with "192.168.0.1", "DNS1:" with "192.168.0.1", and "DNS2:" which is empty. At the bottom of the window, there are two buttons: "PREV" with a left arrow and "NEXT" with a right arrow. The footer of the window contains the copyright notice: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

ShareCenter Setup Wizard - Configuring Device Information

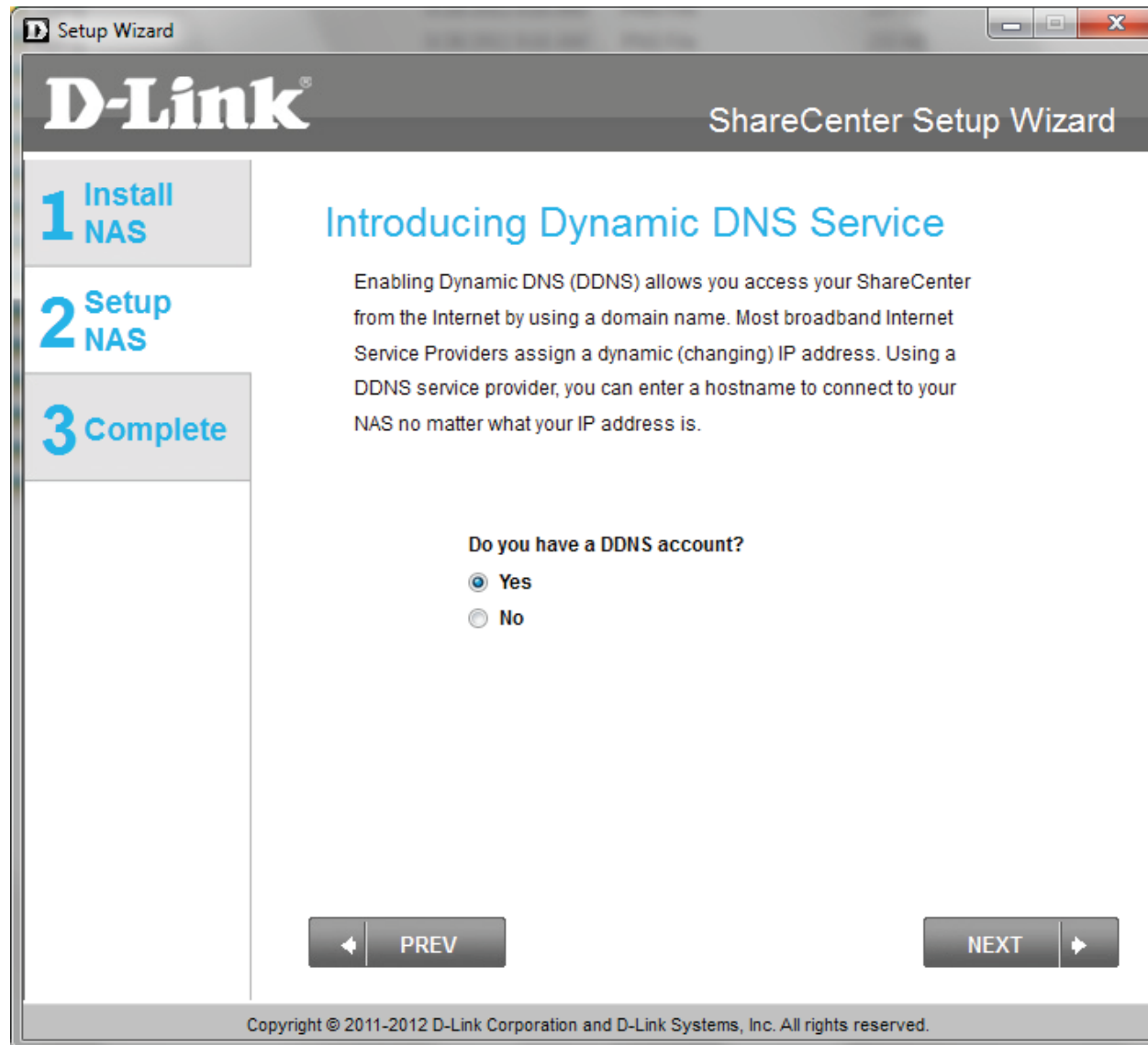
The Setup Wizard asks you to enter the workgroup details. Refer to your current network settings or consult your network administrator for help. The workgroup settings should be the same as other devices on the network.



The screenshot shows a window titled "Setup Wizard" with the D-Link logo and "ShareCenter Setup Wizard" in the header. On the left, a vertical sidebar contains three steps: "1 Install NAS", "2 Setup NAS", and "3 Complete". The main area is titled "Configure Device Information" and contains the following text: "If you have a workgroup other than your Operating System's default, or if you want to customize the device name and description of your ShareCenter, please enter the information below. Otherwise click NEXT." Below this text are three input fields: "Workgroup:" with the value "workgroup", "Name:" with the value "dlink-000001", and "Description:" with the value "DNS-315". At the bottom of the main area are two buttons: "PREV" with a left arrow and "NEXT" with a right arrow. The footer of the window contains the copyright notice: "Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved."

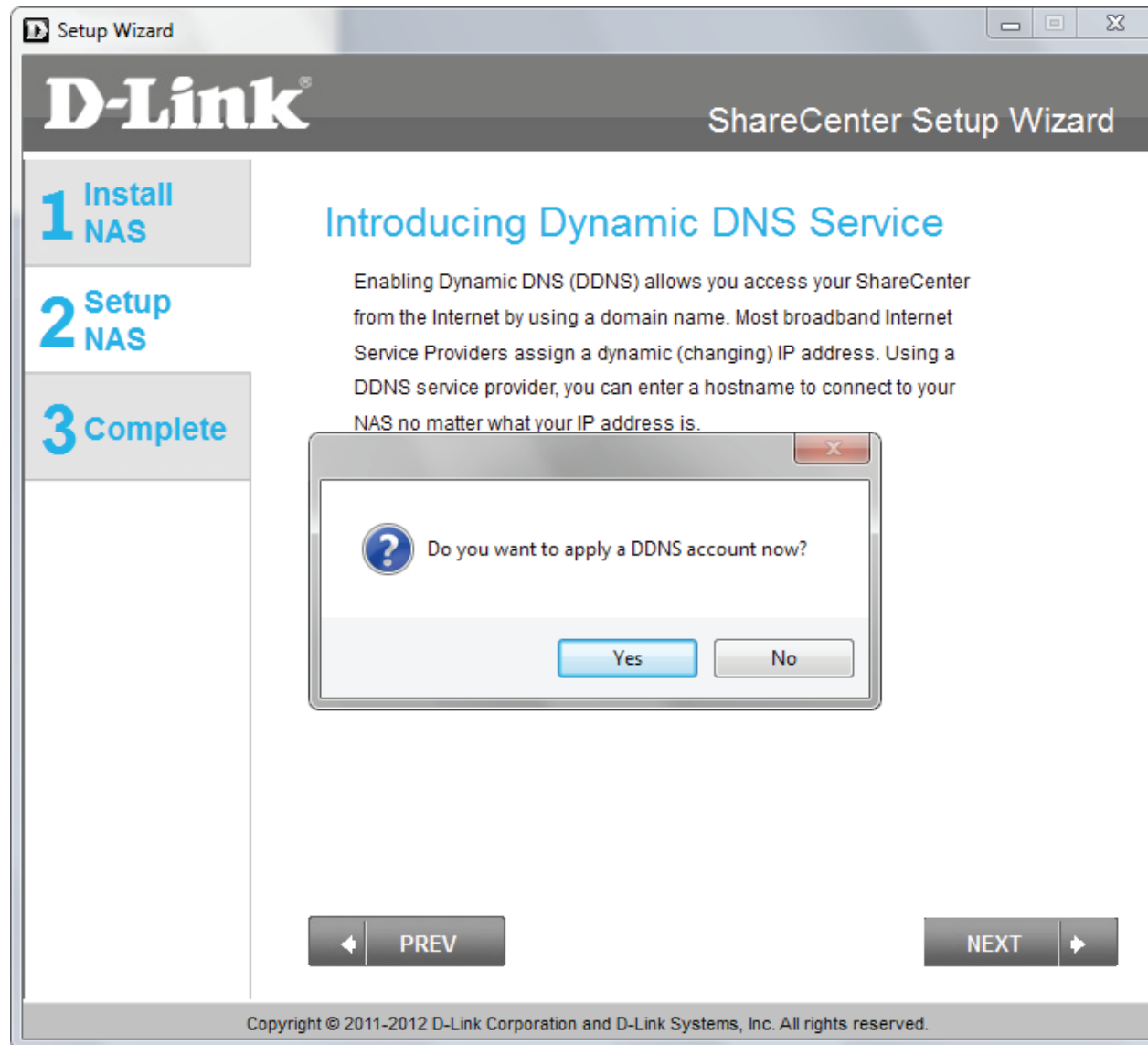
ShareCenter Setup Wizard - Introducing DDNS

The Setup Wizard introduces you to a feature - called DDNS. This feature is optional. You can decide whether you want to install this feature or not from the wizard setup.



ShareCenter Setup Wizard - DDNS Confirmation

The Setup Wizard asks you to confirm your DDNS settings. Click **Yes** to apply for a DDNS account. Click **No** to skip this step.



ShareCenter Setup Wizard - DDNS Settings

Enter the **DDNS** parameters requested in this window so that your ShareCenter can be accessed by a URL over the internet.

If you want a DDNS account to use with your ShareCenter, D-Link provides a free DDNS account by clicking on the web link shown. You need to do the following:

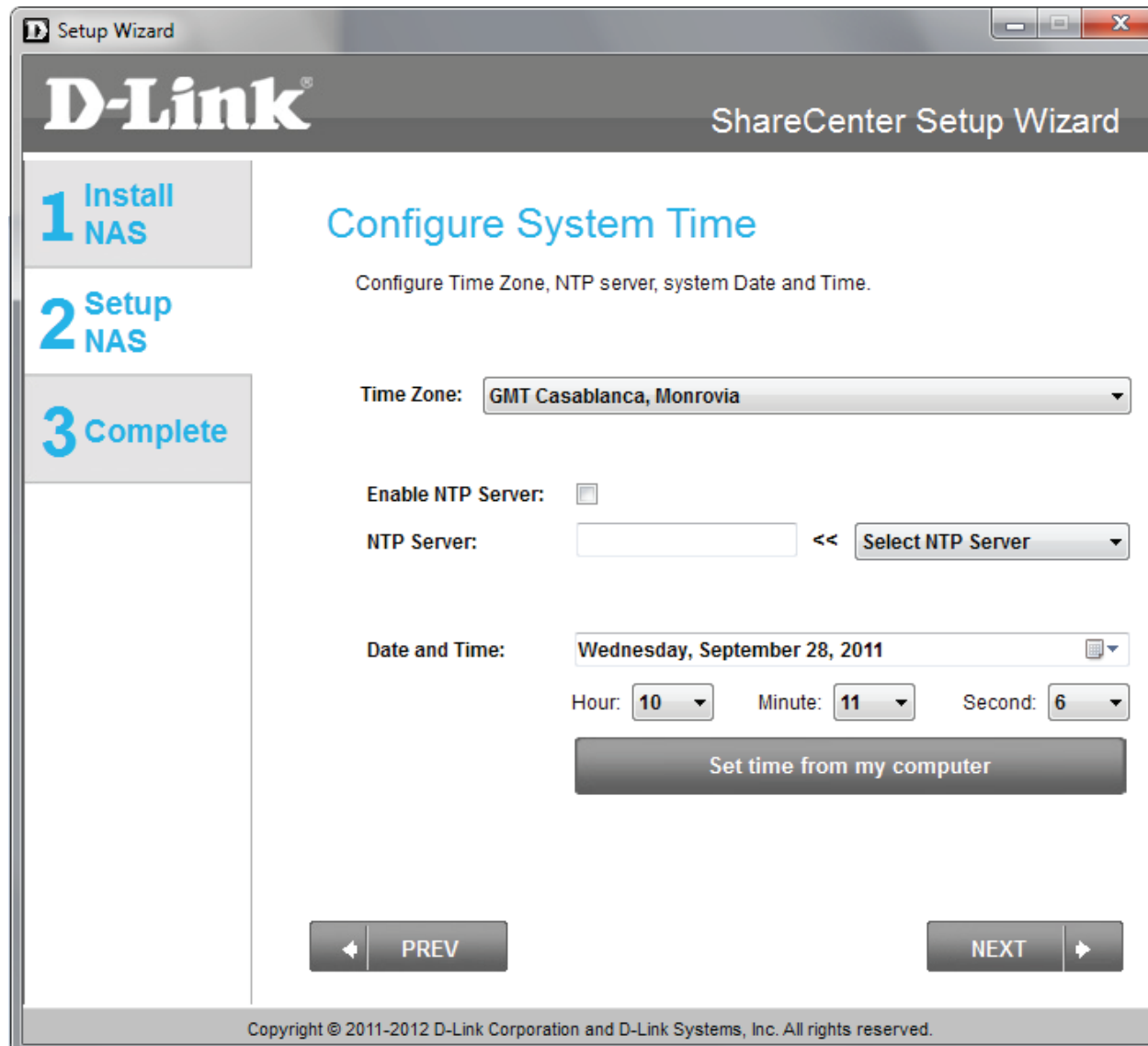
- Create an account with a username and password
- Create a hostname that DDNS service will use to track your ShareCenter no matter what the Local Network WAN settings are (i.e. public IP address)
- Configure your ShareCenter with the hostname and DDNS service provider details.
- Configure your router to forward port 80.

Follow the steps listed here in order to create a DDNS account and configure your LAN equipment and ShareCenter to work with the new settings.

The screenshot shows the 'ShareCenter Setup Wizard' window. The title bar reads 'Setup Wizard'. The main header features the 'D-Link' logo and 'ShareCenter Setup Wizard'. On the left, a vertical sidebar contains three steps: '1 Install NAS', '2 Setup NAS', and '3 Complete', with '3 Complete' highlighted. The main content area is titled 'Configure DDNS Settings' and includes the instruction: 'Enter your DDNS account information so that you can connect to your NAS using a domain name instead of an IP address.' Below this are five input fields: 'Server Address:' with a dropdown menu set to 'Select Dynamic DNS Ser', 'Host Name:' with a placeholder '(e.g.: me.domain.net)', 'Username or Key:', 'Password or Key:', and 'Verify Password or Key:'. A red note at the bottom states: 'Note: To enable this function, port number 80 needs to be opened to the NAS from your local router's setup.' At the bottom of the window are 'PREV' and 'NEXT' buttons, and a footer with the copyright notice: 'Copyright © 2010-2012 D-Link Corporation Inc. All rights reserved.'

ShareCenter Setup Wizard - Configuring Time Zone Settings

Configure the **Time Zone** settings, enable your own **NTP Server**, or **sync** your PC clock with that of your DNS-315. Once complete, click **Next** to continue.



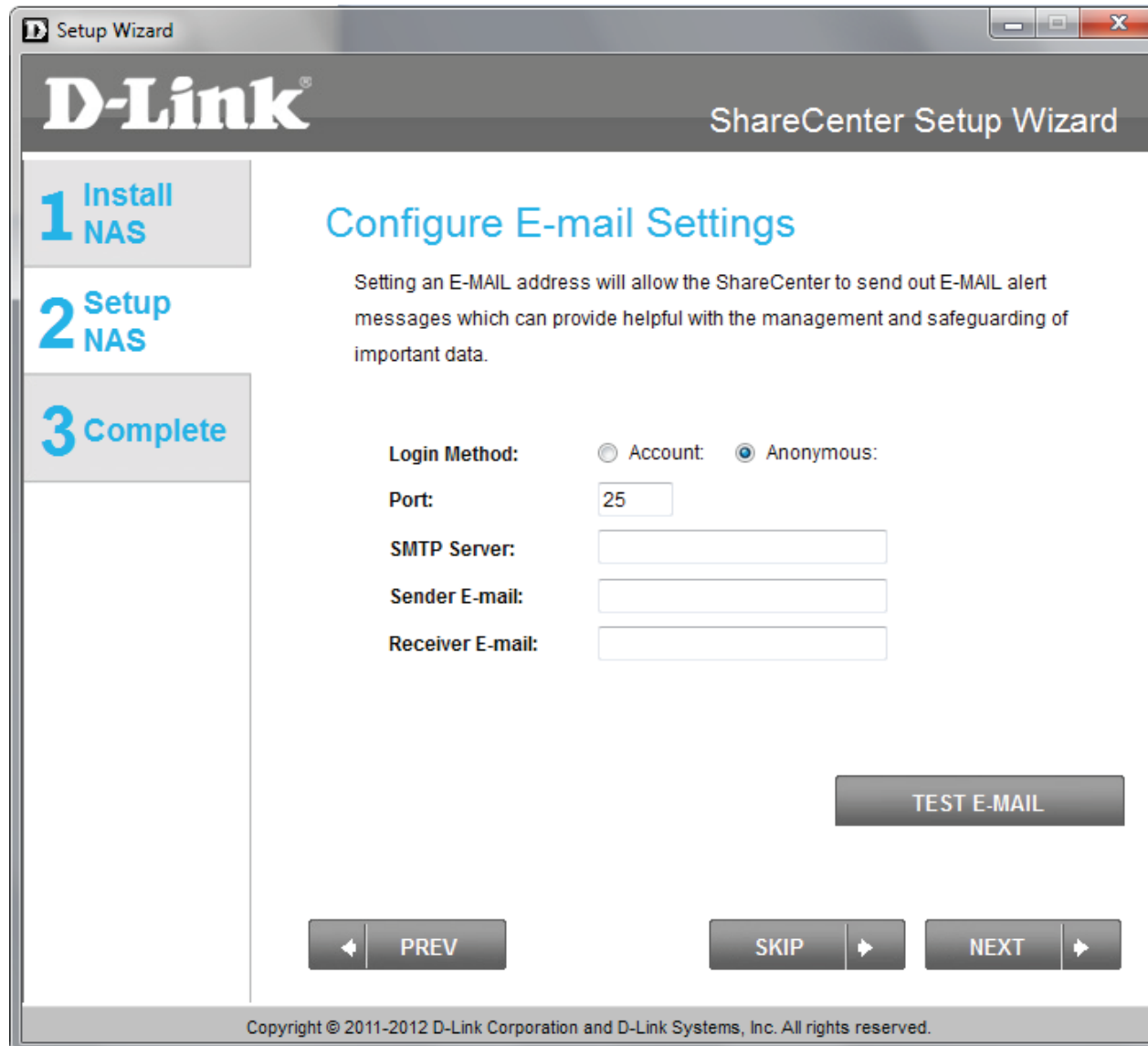
ShareCenter Setup Wizard - Configuring Email Integration

Configure your email to work with the DNS-315. The DNS-315 will send you alerts when the system is down. However, you must have all mail server information nearby or a contact your systems administrator for assistance. Click **Skip** to set this up later or complete the details and click **Next**.

The screenshot shows the 'ShareCenter Setup Wizard' window. On the left, a vertical sidebar contains three steps: '1 Install NAS', '2 Setup NAS', and '3 Complete'. The main area is titled 'Configure E-mail Settings' and includes a descriptive paragraph: 'Setting an E-MAIL address will allow the ShareCenter to send out E-MAIL alert messages which can provide helpful with the management and safeguarding of important data.' Below this, there are several input fields: 'Login Method' with radio buttons for 'Account' (selected) and 'Anonymous'; 'User Name'; 'Password'; 'Port' (with '25' entered); 'SMTP Server'; 'Sender E-mail'; and 'Receiver E-mail'. A checkbox for 'SMTP Authentication' is present. A 'TEST E-MAIL' button is located to the right of the checkbox. At the bottom, there are three navigation buttons: 'PREV', 'SKIP', and 'NEXT'. The footer contains the copyright text: 'Copyright © 2011-2012 D-Link Corporation and D-Link Systems, Inc. All rights reserved.'

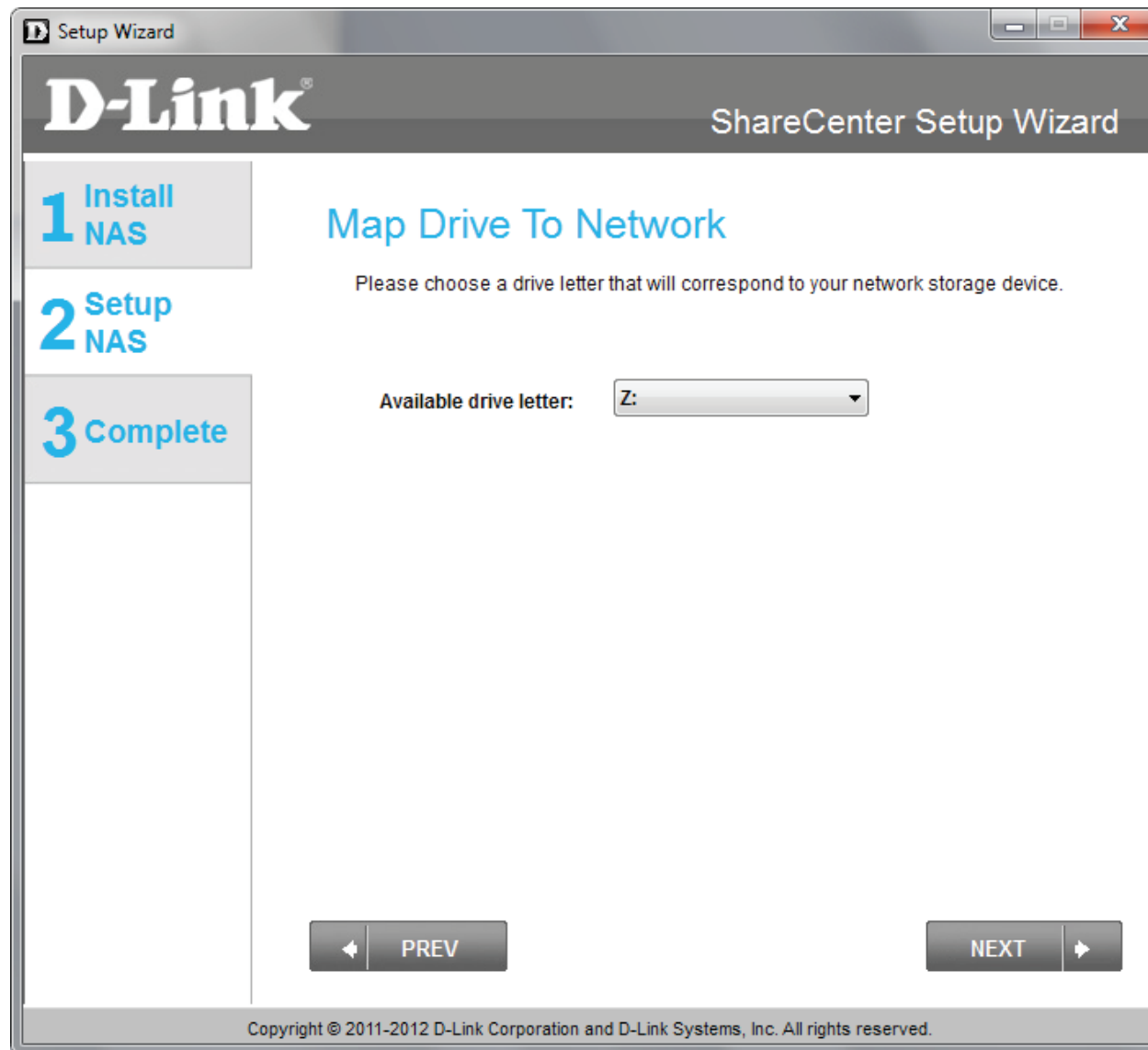
ShareCenter Setup Wizard - Configuring Email Integration

You can also set anonymous parameters for email integration. Select and edit this field if you wish to use this function.



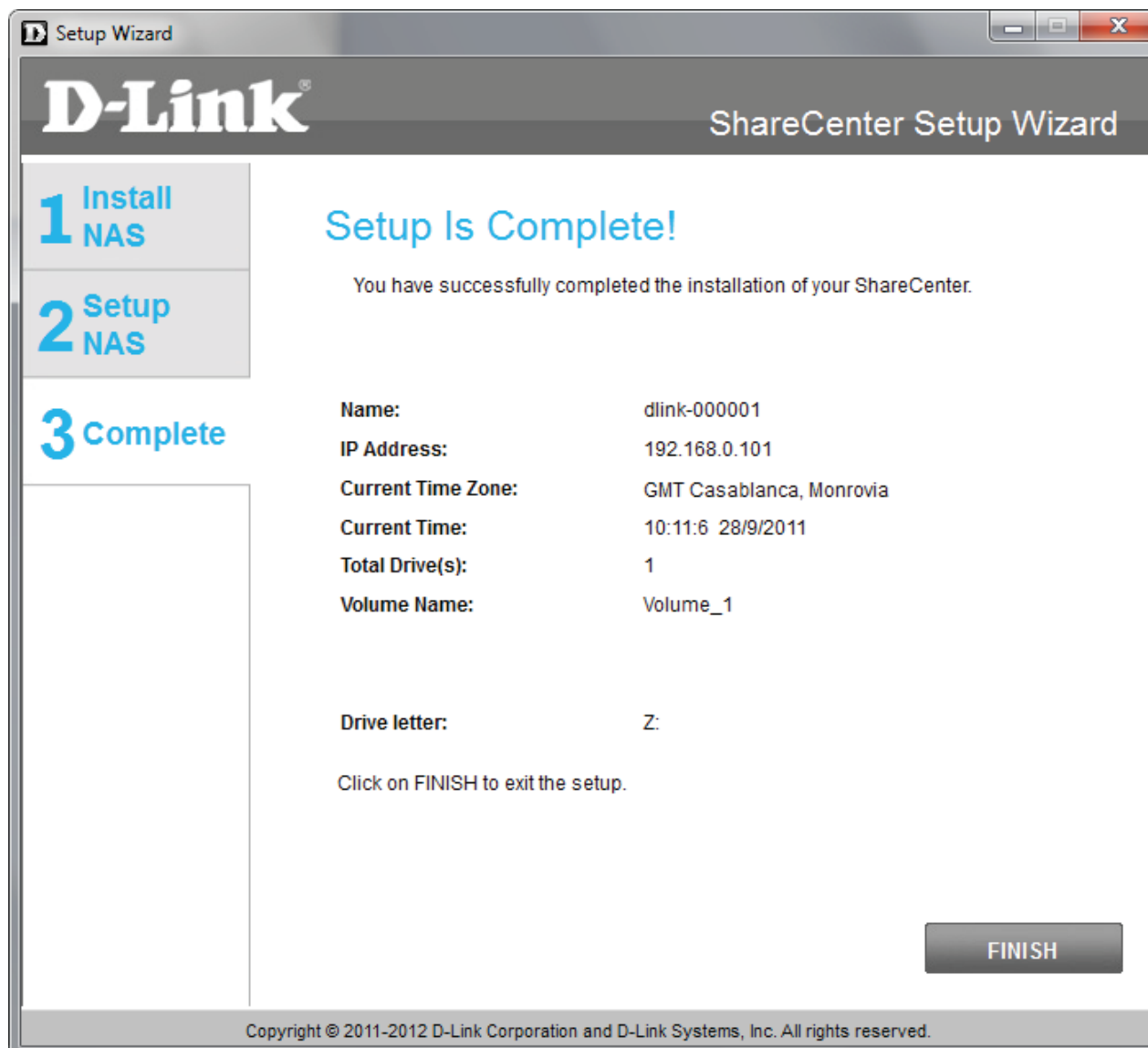
ShareCenter Setup Wizard - Mapping the DNS-315

Map the DNS-315 to your network by selecting a alphabetical letter to the drive.



ShareCenter Setup Wizard - Configuration Summary

The final process is to read the **Configuration Summary**. This page shows all the changes you made to the configuration during the **Setup Wizard**. Click **Finish** to exit the setup wizard.



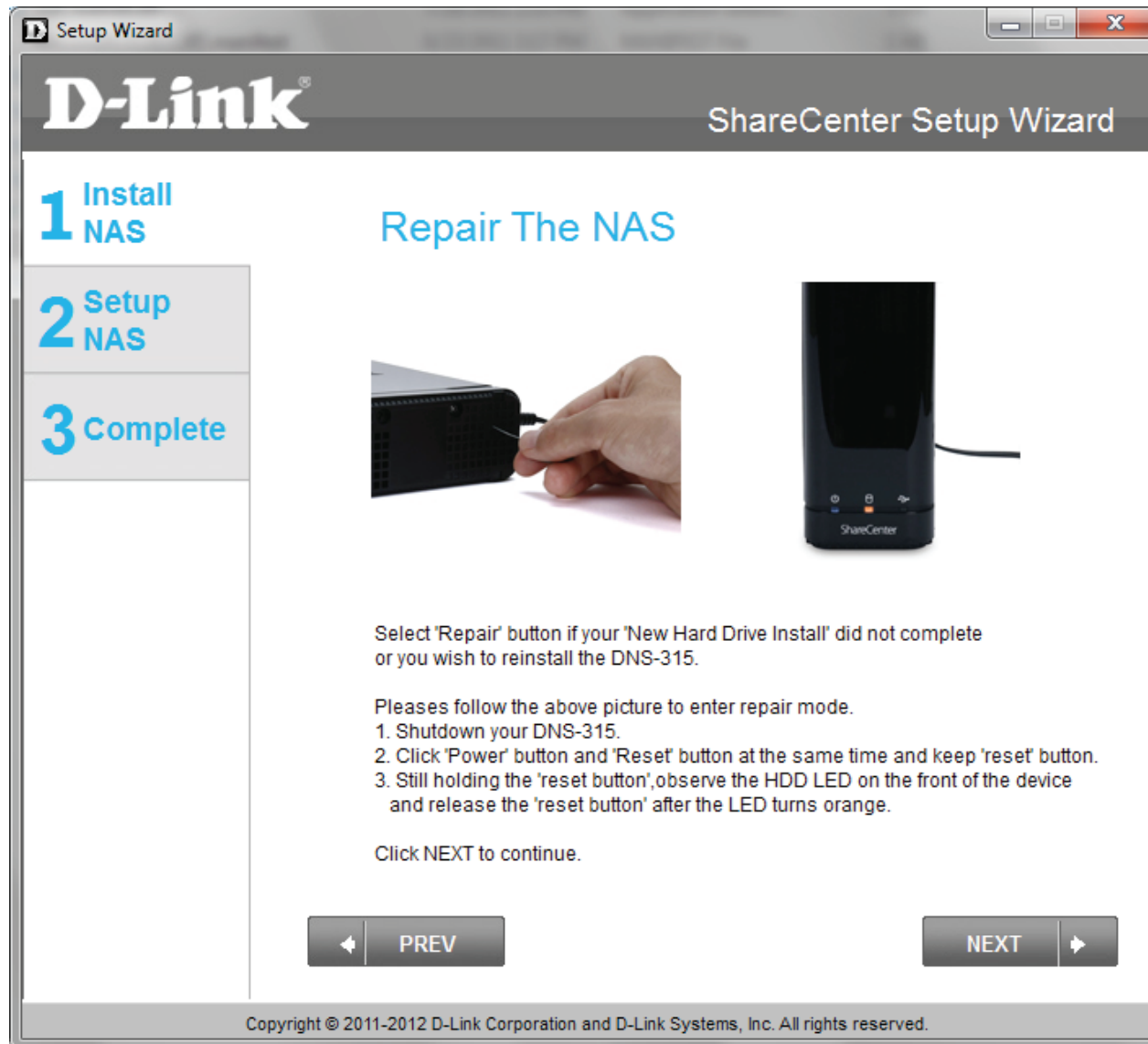
ShareCenter Setup Wizard - Repair Wizard

This step below is the startup screen. The ShareCenter Setup Wizard guides you through the repair process. Click **Repair** to begin fixing your hard drive.



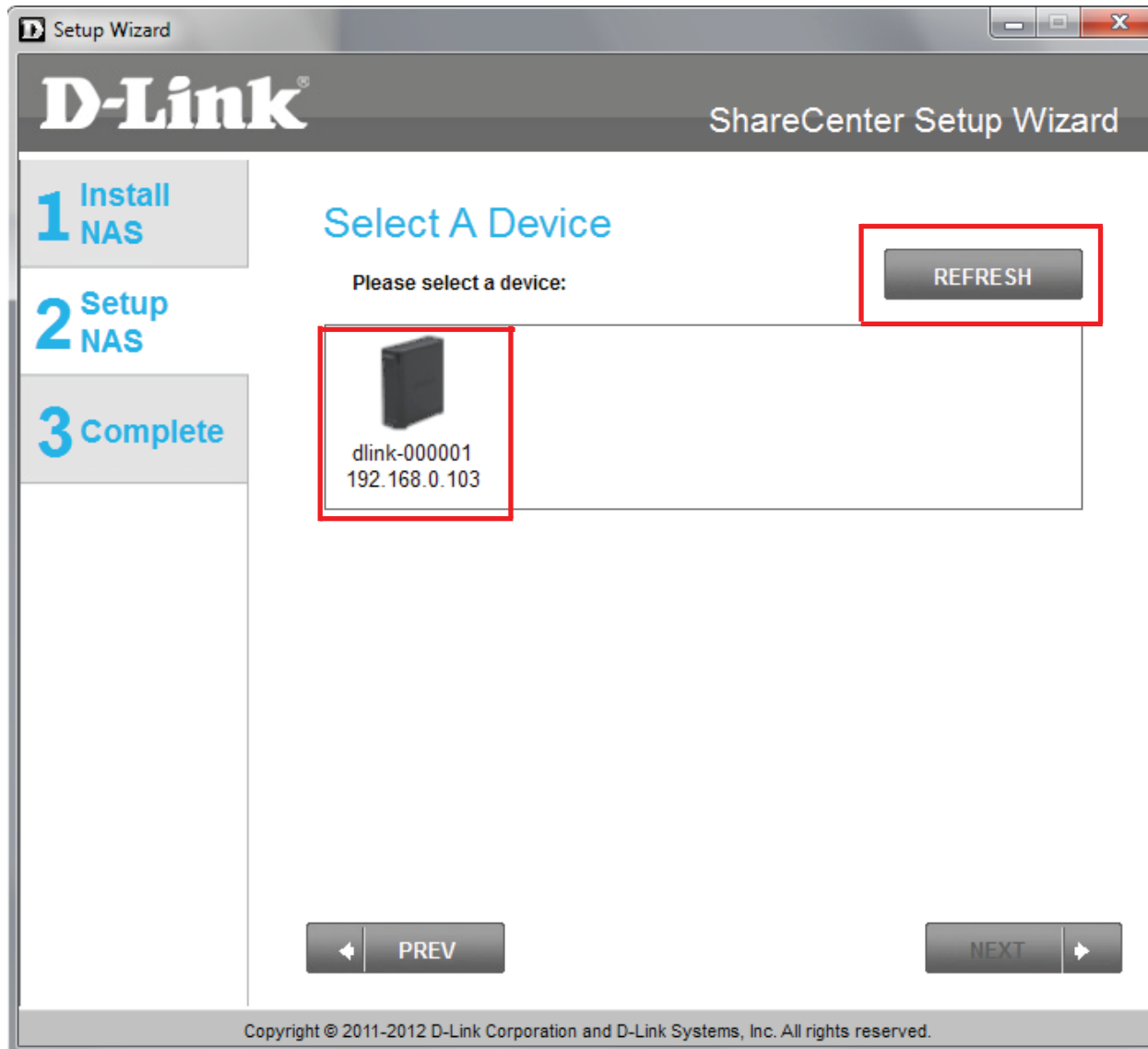
ShareCenter Setup Wizard - Repair Wizard

The Repair wizard instructs you to shutdown your DNS-315. Power the system on again and press the **Reset** button at the same time. Release the **Reset** button once the orange light starts blinking. Click **Next** to continue.



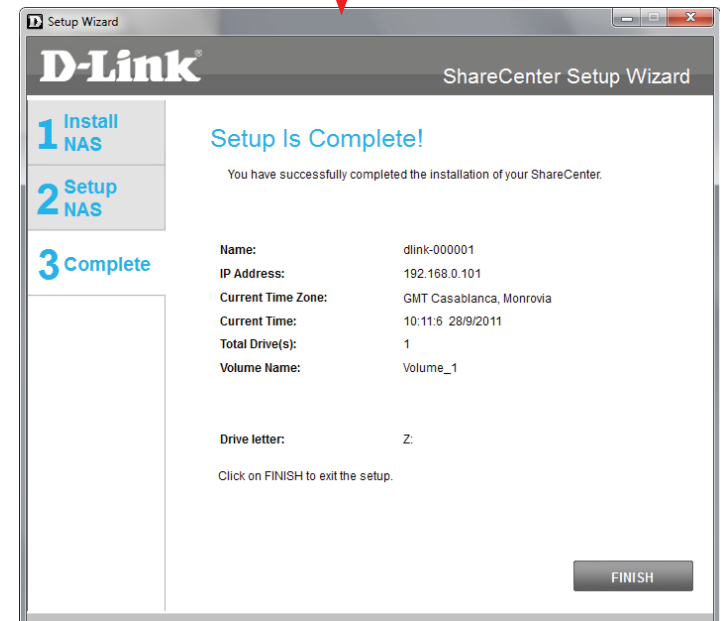
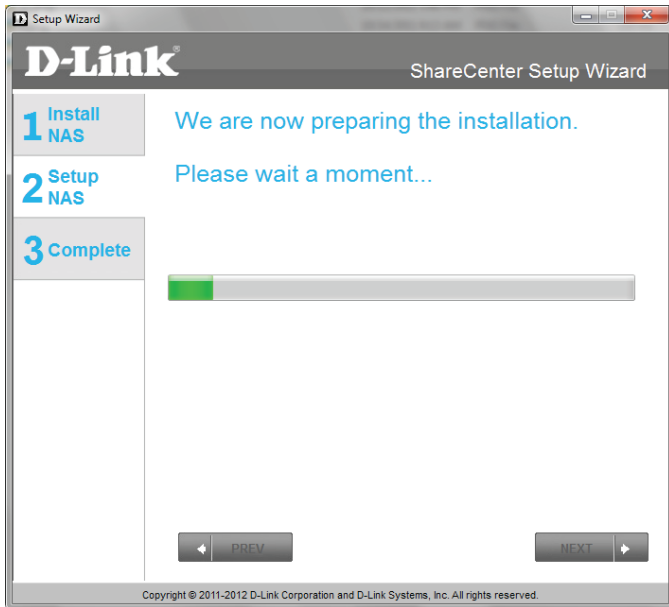
ShareCenter Setup Wizard - Repair Wizard

The wizard connects and discovers the DNS-315. If there is no DNS-315 image captured in the “Please select a device” space, click the **Refresh** button. If the **Refresh** button doesn’t provide any NAS, your hard drive might be faulty. Remove the drive and insert a new hard drive. If you experience no problems click **Next** to continue.



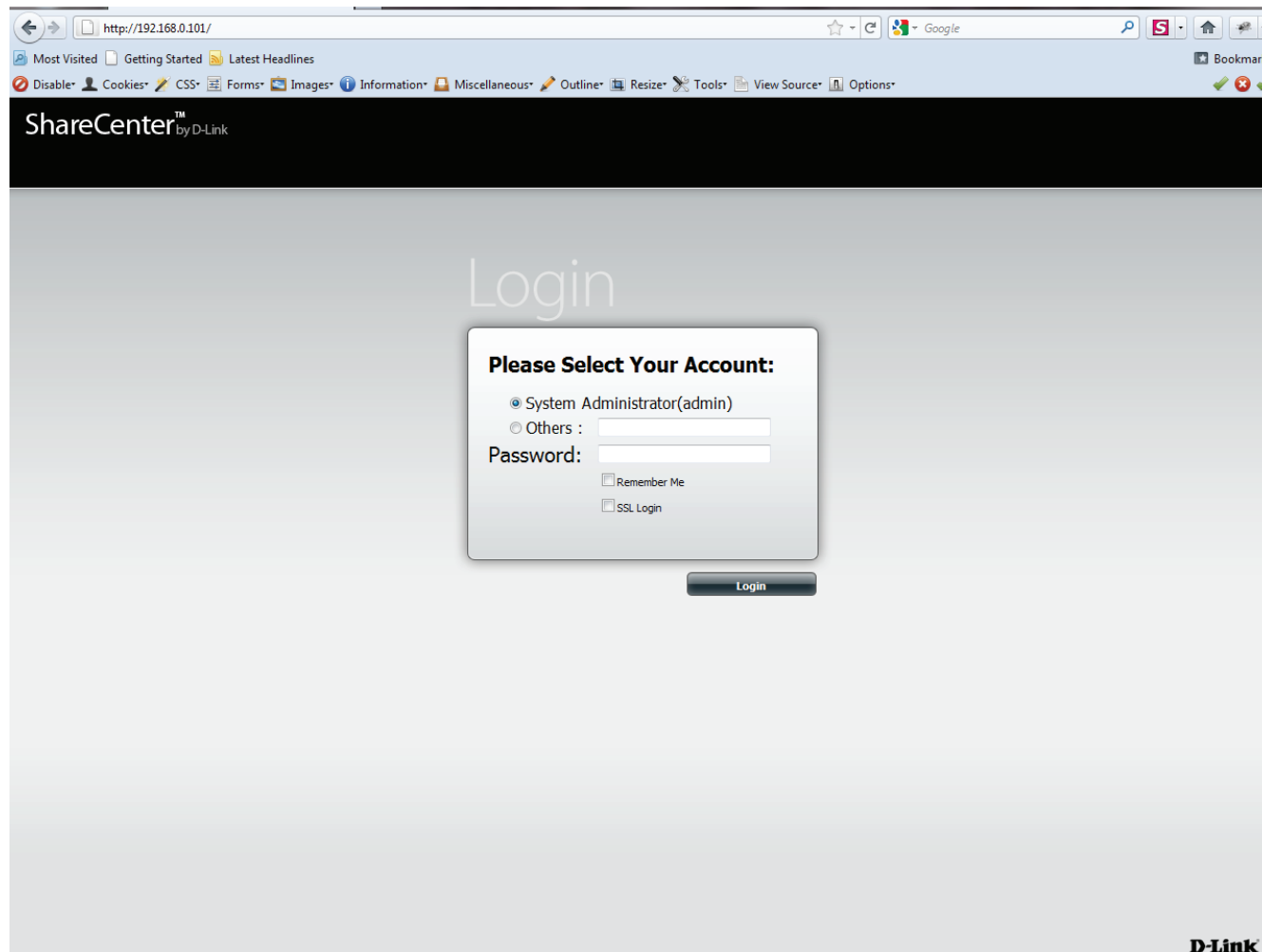
ShareCenter Setup Wizard - Repair Wizard

The Repair Wizard continues the same wizard instructions as per page 24. Follow the instructions from page 24 to the end of the wizard. The instructions guides you to setup your DNS-315 in the same manner as doing a new installation.



ShareCenter on your Browser

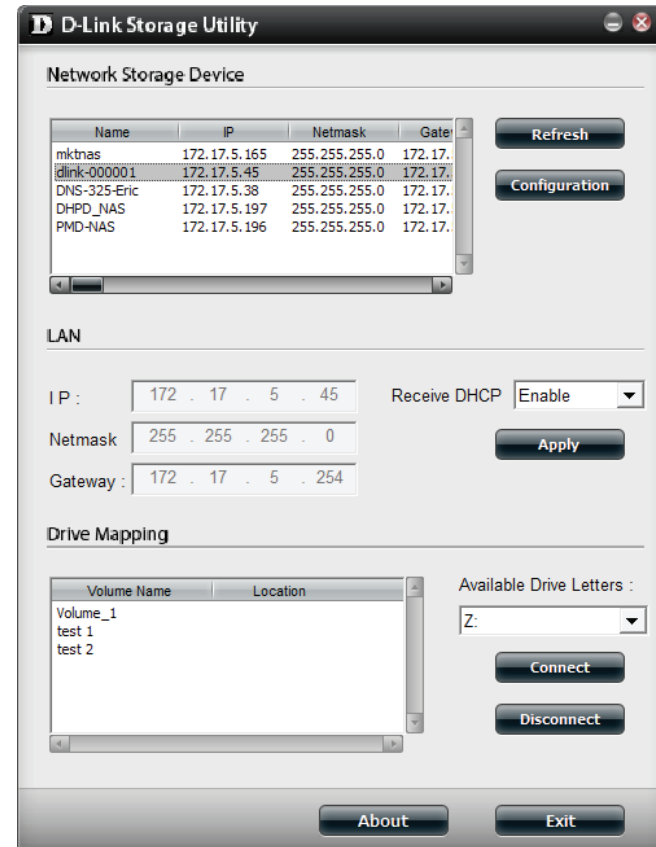
Once you have setup your DNS-315, a more detailed configuration of the NAS can be configured using the browser based software. Open your favorite browser, enter the IP address of your DNS-315 and log in.



D-Link Storage Utility

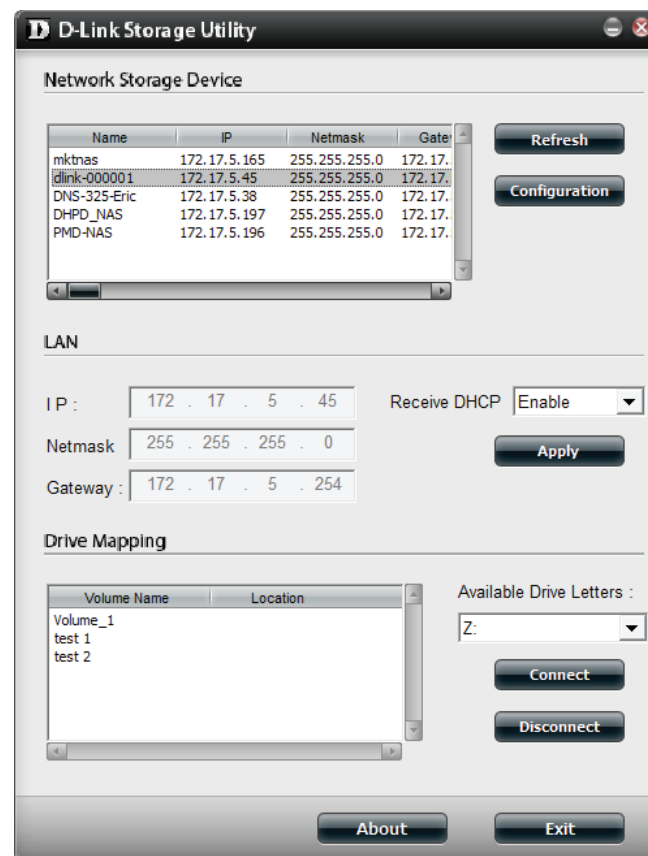
When first powered on, during the initial boot sequence, the ShareCenter will wait to be assigned an IP address via DHCP. If it does not receive a DHCP assigned IP address, the ShareCenter will be automatically assigned a 169.254.xxx.xxx address. It is recommended that you use the included D-Link Storage Utility software when accessing and configuring the ShareCenter for the first time. If you want to change the IP address before logging in or you are having trouble connecting to the ShareCenter IP address, you can then use the Storage Utility software included on the product CD to locate the device on your network and make any necessary changes.

- Network Storage Device Refresh** Click **Refresh** to refresh the device list
- Configuration** Click **Configuration** to access the Web based configuration of the ShareCenter™
- LAN** Configure the LAN Settings for the ShareCenter™ here
- Apply** Click **Apply** to save changes to the LAN Settings
- Drive Mapping Available Drive Letters** Volumes available for mapping are displayed here. Choose an available drive letter. Click **Connect** to map the selected volume. Click **Disconnect** to disconnect the selected mapped volume
- About** Click **About** to view the software version of the Easy Search Utility.
- Exit** Click **Exit** to close the utility.



Select the ShareCenter from the list and click the **Configuration** button. This will launch the computer's default web browser and direct it to the IP address listed for the device. Make sure the browser is not configured to use a proxy server.

Note: The computer used to access the ShareCenter web-based configuration manager must be on the same subnet as the ShareCenter. If your network is using a DHCP server and the computer receives IP settings from DHCP server, the ShareCenter will automatically be in the same subnet.



Configuration

Web UI Login

The Login screen will appear:

Select **System Administrator** and enter the password set using the Setup Wizard.

ShareCenter™ by D-Link

Login

Please Select Your Account:

System Administrator(Admin)

Others :

Password:

Remember Me

SSL Login

Login

Click Login.

Note: The computer, used to access the ShareCenter web-based configuration, manager must be on the same subnet as the ShareCenter. If your network is using a DHCP server and the computer receives IP settings from DHCP, the ShareCenter™ will automatically be in the same subnet.

Web UI General Layout

If there is no hard disk volume created, then the ShareCenter Web UI defaults to the Management tab. Once a volume is created, then the web UI defaults to the My Favorites tab. The configuration icons are located in the tabs at the top of the page. Click one of the 3 tabs to see the icons located in the page of the tab. The icons available for configuration under each of the tabs include:

My Favorites - a user configurable area where:

- users can add customized access to preferable functions into My Favorites in order to give quick access to these functions.

Applications - Configuration for:

- **FTP/HTTP** and **P2P** Downloads.
- **Remote** and **Local Backups**.
- the **Web File Server**.
- **Amazon S3**

Management - Contains the:

- **Setup Wizard** - step-through settings for password, time zone, and connectivity.
- **Disk Management** - Format Disk and perform Disk Diagnostics.
- **Network Management** - Configures the LAN settings, Dynamic DNS and Port Forwarding.
- **Application Management** - Configures File Sharing protocols and Media Servers.
- **System Management** - Configures the Language, Time and Date, Device, System Settings, Power Management, Notifications, Logs, Firmware Upgrade and USB devices.

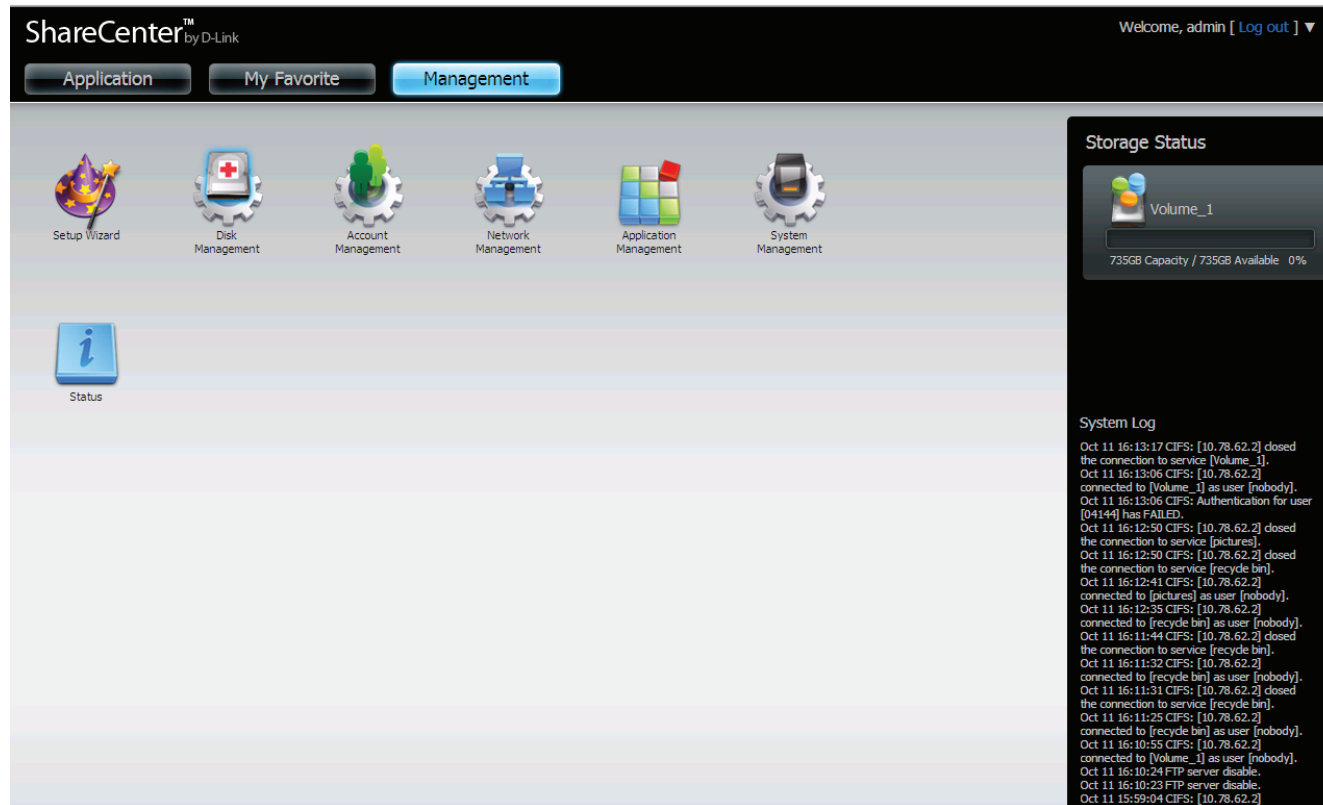
These icons and their configuration sub-menus will be discussed in detail in the following pages of this manual.

Note: After logging in to the ShareCenter for the first time it is recommended to add a password to the admin account.



Management

This tab contains the Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management and Status Icons. Click each of the icons to see the submenus.



Welcome to ShareCenter Setup Wizard

The ShareCenter has a System Wizard that allows you to quickly configure some of the basic device settings. Click the System Wizard icon to start the Setup Wizard. Please note that there is only one hard drive in the DNS-315.

The screenshot shows the ShareCenter management web interface. At the top, there's a navigation bar with 'My Favorites', 'Applications', and 'Management' buttons. Below this is a row of icons for 'Setup Wizard', 'Disk Management', 'Account Management', 'Network Management', 'Application Management', 'System Management', and 'System Status'. The 'Setup Wizard' icon is highlighted. The main content area is titled 'Setup Wizard' and contains a 'Wizard Settings' section. A red arrow points to a 'Run Wizard' button in this section. On the right side, there's a 'Help...' section with 'Wizard Settings' instructions, including steps for setting a password, time zone, LAN connection type, device information, and email settings.

Click the Run Wizard button to start the setup wizard.

ShareCenter Setup Wizard - Start Page

Read the steps thoroughly and click **Next** to continue.



Click **Next** to continue.

Step 1: Set Password

You may change the admin account password by entering in a new password. Click **Next** to continue.

Password

Confirm Password

Update the administrator account password here and confirm it or leave it at default (blank).

Click **Next** to continue.

Set the timezone to the appropriate geographic zone closest to your location from the drop-down menu.

Step 2: Choose Time Zone

Select the appropriate time zone for your location and click **Next** to continue.

Time Zone

Click **Next** to continue.

Step 3: Set LAN Connection Type

Select your connection type below. If you plan to set your IP Statically, verify that all information in the fields is correct before proceeding. Click **Next** to continue.

DHCP Client

Static IP

IP Address

192 . 168 . 0 . 103

Subnet Mask

255 . 255 . 255 . 0

Gateway IP Address

192 . 168 . 0 . 1

DNS1

192 . 168 . 0 . 1

DNS2

. . . .

Previous

Skip

Next

Exit

The ShareCenter LAN parameters can either use DHCP to obtain its IP settings dynamically or Static to set them manually in the parameters below.

Click **Next** to continue.

Here you can assign a workgroup and name to the ShareCenter in addition to a short description.

Step 4: Set Device Information

The fields below allow your NAS device to join your Windows workgroup so that computers on your network can discover the device through the network map. The name and description field allow you to customize what your device is called on the network. Click **Next** to continue.

Workgroup

workgroup

Name

dlink-000001

Description

DNS-315

Previous

Skip

Next

Exit

Click **Next** to continue.

Step 5: Configure E-mail Settings

Enter your E-mail account information below. This information is used to E-mail yourself or others status information from the NAS device such as Space Remaining, Temperature, device logs etc. Once all the information is entered, you can click the **Test E-Mail** button to verify that your settings are correct. When finished, click **Next** to continue.

Login Method Account Anonymous

User Name

Password

Port

SMTP Server

Sender E-mail

Receiver E-mail

SMTP Authentication

Test E-Mail

Previous

Skip

Next

Exit

Select Account to be able to enter your email parameters in the boxes below. The email account will then receive Event Alerts from the ShareCenter

Click **Next** to continue.

Use the previous button to go back and check your settings otherwise if you are satisfied with the settings click the finish button to save the settings. Click Exit to end the wizard without saving the settings.

Step 6: Finish

The Setup Wizard is now complete. Click **Previous** to make any changes. If all settings are correct you may click the **Finish** button to save the settings on your NAS.

Previous

Finish

Exit

Disk Management - Hard Drive Configuration

If you have inserted a new hard drive into the DNS-315, it's unlikely that it will be formatted. Under Disk Management you can re-format the drive.

The screenshot shows the D-Link ShareCenter web interface. The browser address bar displays `http://192.168.0.102/web/management.html?id=disk&v=1317693679814`. The page title is "ShareCenter™ by D-Link". The navigation menu includes "My Favorites", "Applications", and "Management". The "Management" section is active, showing icons for Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status. The "Disk Management" section is expanded, showing "Format Disk", "S.M.A.R.T. Test", and "Scan Disk". The "Format Disk" section contains the following text: "Raid Configuration allows you to change your hard drive configuration, or format a newly inserted hard drive. Please note that formatting a hard drive will erase any data that was stored on the hard drive." Below this text is a "Current RAID Type" field with the value "Volume_1 : Standard". A "Format Now" button is located below the field. A red arrow points from a callout box labeled "Click Format Now." to the "Format Now" button. On the right side of the page, there is a sidebar with a warning message: "This option will allow you to format your device's hard drive. Note that formatting your drive will erase all data on the disk. Please backup any important data before clicking on the Format Now button." Below this message are sections for "Hints..." and "Help...". The "Hints..." section states: "Formatting your hard drive will delete all data on the hard drive. Please make sure that you backup your data before formatting your hard drives." The "Help..." section includes "Format Disk" and "Format the user data disk." Below this is the "Format Now Button" section, which states: "When you click it, there's another confirm dialog let you to select whether to do the format work. If you select 'No', it will do nothing; If you select 'Yes', it will do format work. Remember that it will clear all data saved on the disk. When format work completed, you own a clean disk." The D-Link logo is visible in the bottom right corner of the page.

Hard Drive Configuration Wizard

Follow the instructions on the start page and click **Next** to continue.



Hard Drive Configuration Wizard - Physical Disk information

See the disk information from the manufacturer and click **Next** to continue.

Step 1 :Physical Disk Information

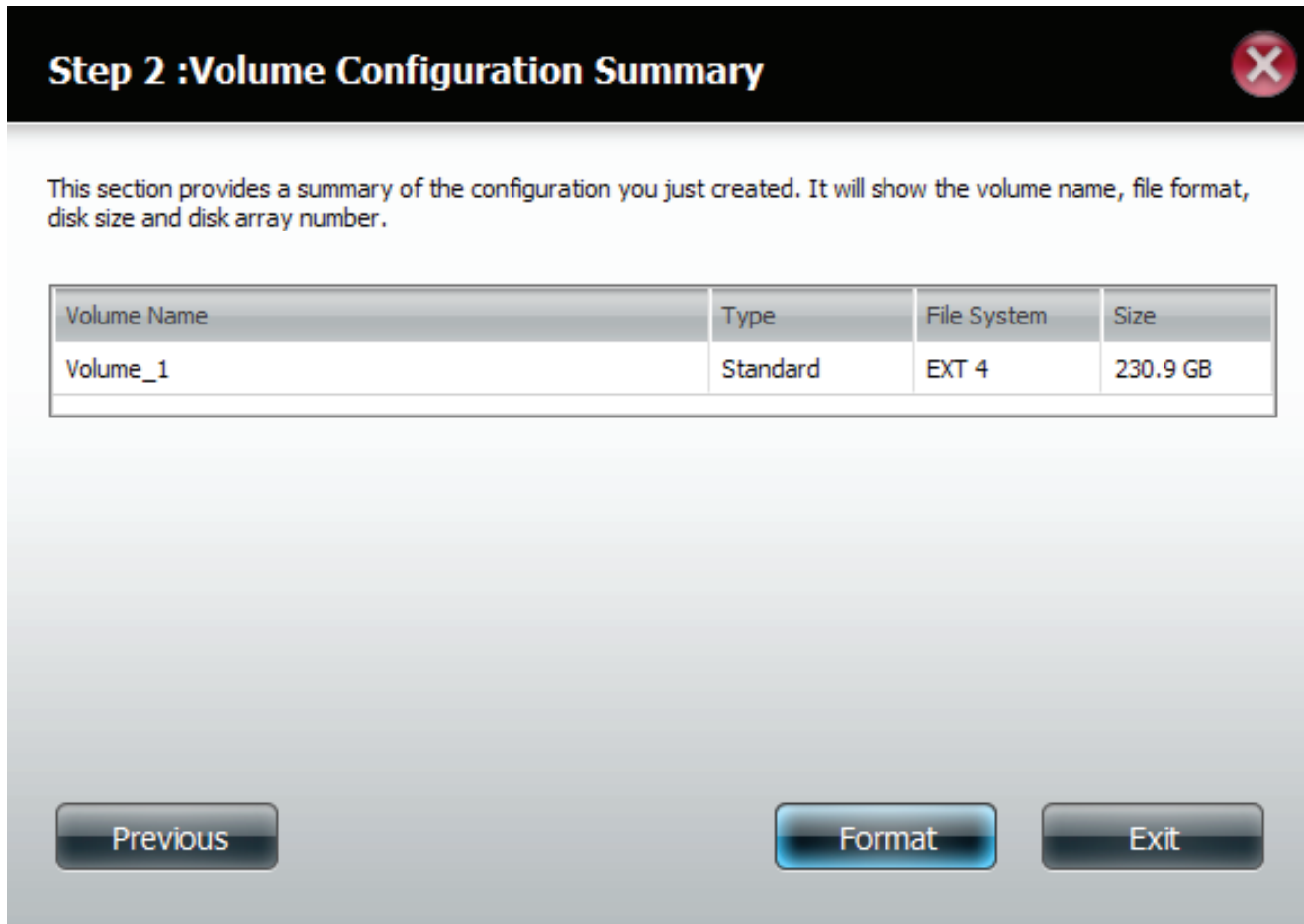
This section provides information on your hard drives. It shows the disk array sequence, the manufacturer, the model and serial number, and disk capacity.

Disk	Vendor	Model	Serial Number	Size
Disk1	Hitachi	Hitachi HCS5C102	JC0250HS0PEXGH	232.9 GB

Previous Next Exit

Hard Drive Configuration Wizard - Volume Configuration Summary

The wizard helps to create the volume size and type. Click **Format** to continue or click **Exit** to do nothing.



Step 2 :Volume Configuration Summary

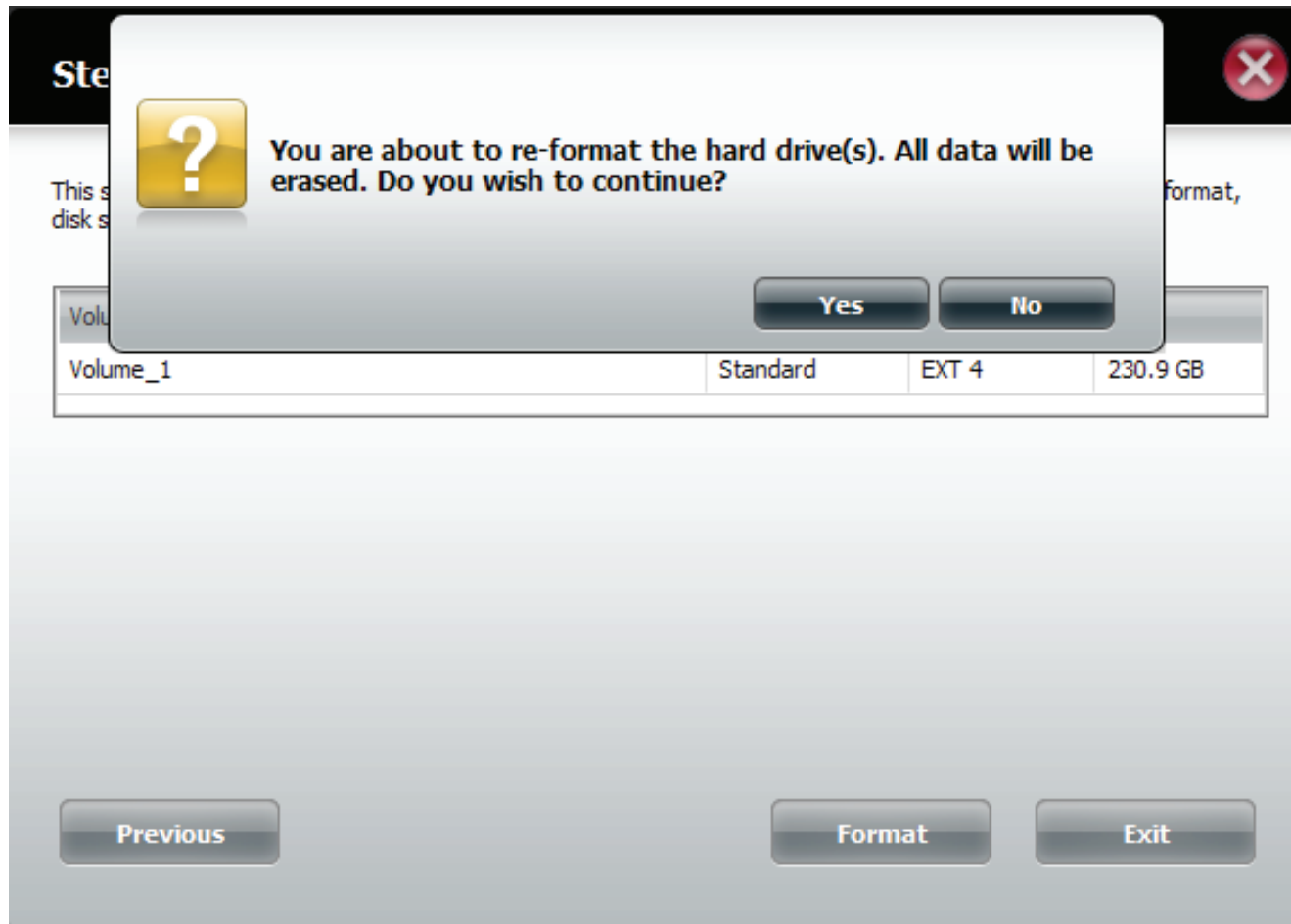
This section provides a summary of the configuration you just created. It will show the volume name, file format, disk size and disk array number.

Volume Name	Type	File System	Size
Volume_1	Standard	EXT 4	230.9 GB

Previous Format Exit

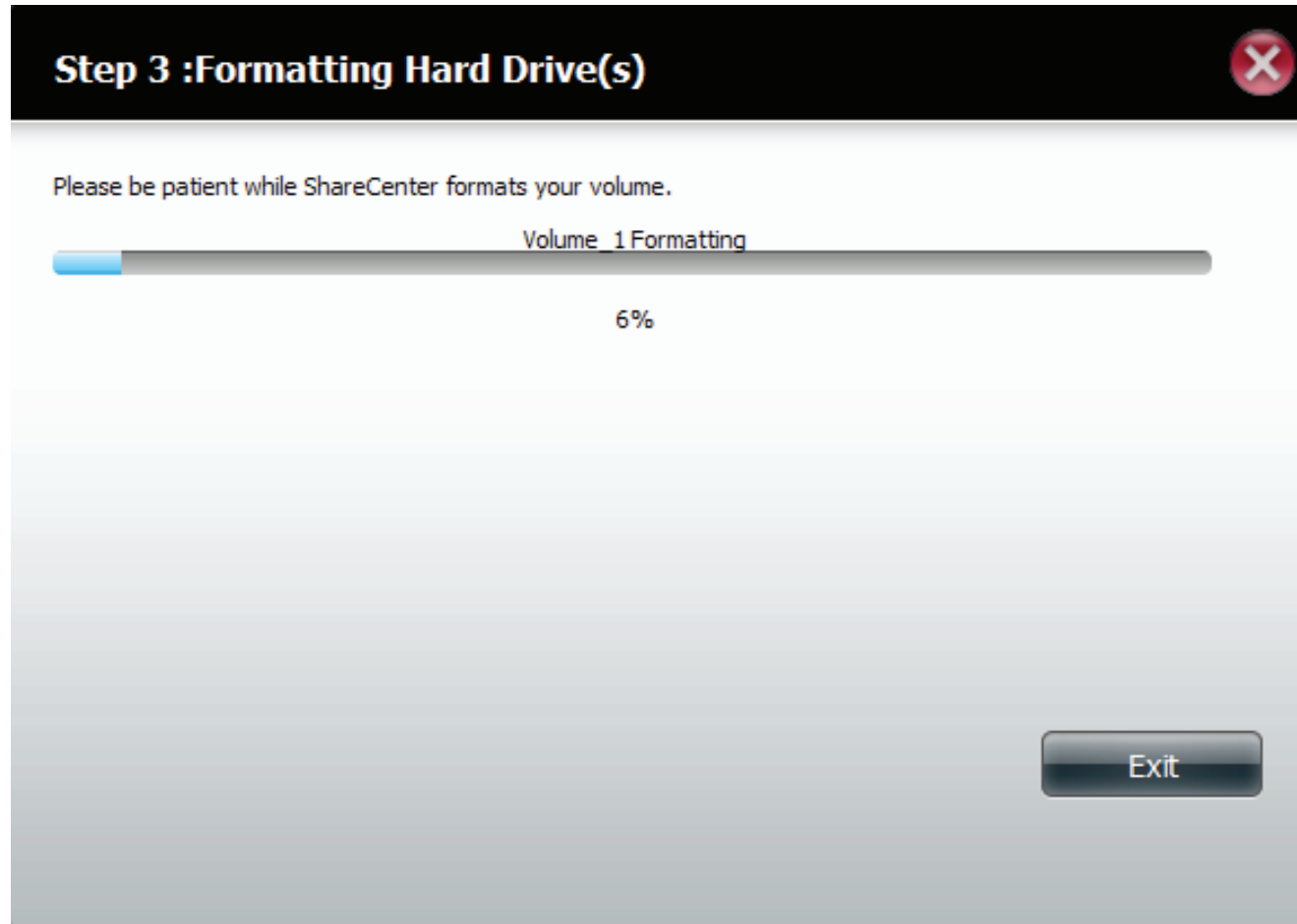
Hard Drive Configuration Wizard - Warning Message

A warning message informs you that the hard drive will be formatted. Click **Yes** to proceed. Click **No** to cancel.



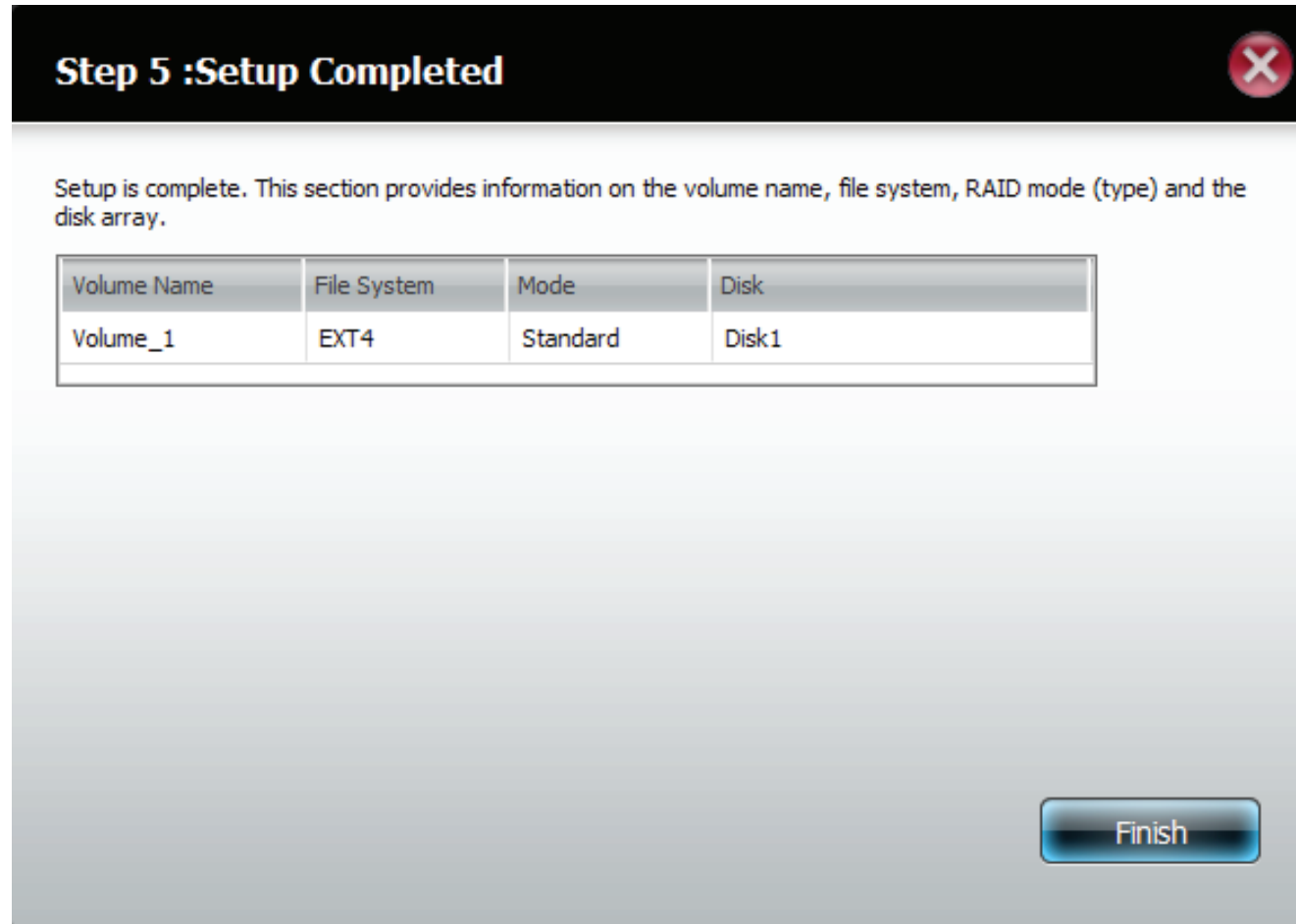
Hard Drive Configuration Wizard - Formatting

The wizard formats the drive. This process is quick.



Hard Drive Configuration Wizard - Setup Complete

The wizard is complete. The summary provides information on the Volume Name, File System, Mode (we can only have standard Mode on the DNS-315) and only one disk, no array.



Disk Management - S.M.A.R.T Test

S.M.A.R.T stands for “Self-Monitoring, Analysis, and Reporting Technology”. This is a system on the hard drive used to monitor and report on the health of the drive. If the HD is grayed out, then it does not support S.M.A.R.T.

S.M.A.R.T Test To run the S.M.A.R.T test, select the hard drive you wish to perform the S.M.A.R.T test on. Then select whether to run a Quick or Extended S.M.A.R.T test. Then press “Start” to run the test. Press the Create Schedule button to run the test at a pre-determined time and date.

Quick Test Runs a quick S.M.A.R.T test. The test usually takes less than 10 minutes. This test will check the electrical, mechanical, and read performance of the hard drive. The results are displayed as Passed/Failed on the web UI and can also be sent as an e-mail alert.

Extended Test Runs an extended S.M.A.R.T test. This test requires a lot more time to complete. However, it is a more thorough and complete test when compared to the Quick Test.

Send result by E-mail: Enable this function in order to have the results of the S.M.A.R.T test sent to you by e-mail.

Create Schedule Click on this button in order to create a scheduled S.M.A.R.T test. You will be able to schedule a test on a daily, weekly, and monthly basis.

Schedule By clicking the “Create Schedule” button the user can create a S.M.A.R.T test schedule where this test will run automatically at the configured time.

Select the frequency (Daily, Weekly, Monthly) and the Time here. Click on the ‘Create’ button to add a schedule.

Schedule List In the window all the created schedule lists will be displayed.

Disk Management - Quick Test

To run the **Quick Test**, click the hard drive, select the **radio button** next to **Quick Test**, and click **Start**. You can also run an **Extended Test**. With both options, you have the choice to be notified via email.

The screenshot shows the D-Link ShareCenter web management interface. The browser address bar displays `http://192.168.0.102/web/management.html?id=disk&v=1317694071655`. The page title is "ShareCenter™ by D-Link" and the user is logged in as "admin". The navigation menu includes "My Favorites", "Applications", and "Management". The "Management" section is active, showing various system management icons: Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status.

The "Disk Management" section is expanded, showing options for "Format Disk", "S.M.A.R.T. Test", and "Scan Disk". The "S.M.A.R.T. Test" configuration page is displayed, featuring a table of hard drives and test options.

<input type="checkbox"/>	Slot	Manufacturer	Model	Progress	Result
<input checked="" type="checkbox"/>	Disk 1	Hitachi	Hitachi HCS5C102	-	-

Test Type : Quick Test Extended Test
 Send Result By E-mail

[Schedule](#)
[Schedule List](#)

Hints...
Performing a S.M.A.R.T. test will scan the ShareCenter hard drives for errors. After completion, the system will display the results of the test as either Pass or Fail. In addition, you can obtain the current S.M.A.R.T information stored on the hard drives.

Help...
S.M.A.R.T. Test
S.M.A.R.T. stands for "Self-Monitoring, Analysis, and Reporting Technology." This is a system on a hard drive used to monitor and report on the health of the drive. If the HD is grayed out, then it does not support S.M.A.R.T.

In this section, you will be able to perform 2 tasks:
1. Run a Quick Test
2. Run an Extended Test

Quick Test
Runs a quick S.M.A.R.T. test. The test usually takes less than 10 minutes. This test will check the electrical, mechanical, and read performance of the hard drive. The results are displayed as Passed/Failed on the web UI and can also be sent as an email alert.

Extended Test
Runs an extended S.M.A.R.T. test. This test requires a lot more time to complete. However, it is a more thorough and complete test when compared to the Quick Test.

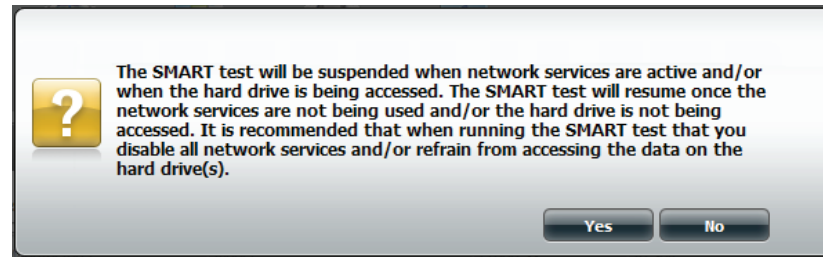
To run the S.M.A.R.T. test, select the hard drive you wish to perform the S.M.A.R.T test on. Then select whether to run a Quick or Extended S.M.A.R.T test. Then press "Start" to run the test.

Send Result By Email
Enable this function in order to have the

D-Link

Disk Management - Quick Test Warning

A new window giving a brief explanation about S.M.A.R.T. appears. Click Yes to continue.



Disk Management - S.M.A.R.T. Schedule

To create a schedule, click the blue arrow to preview the drop-down schedule list, and set the date and time. Then click **Create Schedule**.

The screenshot shows the D-Link ShareCenter web management interface. The browser address bar displays `http://192.168.0.102/web/management.html?id=disk&v=1317694071655`. The page title is "ShareCenter™ by D-Link" and the user is logged in as "admin". The navigation menu includes "My Favorites", "Applications", and "Management". The main content area is titled "Disk Management" and contains a sidebar with "Format Disk", "S.M.A.R.T. Test", and "Scan Disk". The "S.M.A.R.T. Test" section is expanded, showing a table with the following data:

Slot	Manufacturer	Model	Progress	Result
Disk1	Hitachi	Hitachi HCSSC102	-	Pass[2011/10/04 10:12:46]

Below the table, the "Test Type" is set to "Quick Test" (radio button selected). There is a checkbox for "Send Result By E-mail". Two buttons, "Create Schedule" and "Start", are visible. The "Schedule" section is expanded, showing a dropdown menu set to "Daily" and a time field set to "20 : 00". A "Create" button is present. The "Schedule List" section is also expanded but empty. On the right side of the page, there is a help panel with the following text:

This section allows you to perform a health test on your hard drives. In addition, you can set a schedule for your tests and receive email notifications.

- Hints...**
Performing a S.M.A.R.T. test will scan the ShareCenter hard drives for errors. After completion, the system will display the results of the test as either Pass or Fail. In addition, you can obtain the current S.M.A.R.T. information stored on the hard drives.
- Help...**
S.M.A.R.T. Test
S.M.A.R.T. stands for "Self-Monitoring, Analysis, and Reporting Technology". This is a system on a hard drive used to monitor and report on the health of the drive. If the HD is grayed out, then it does not support S.M.A.R.T.

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2. Run an Extended Test

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Extended Test
Runs an extended S.M.A.R.T. test. This test requires a lot more time to complete. However, it is a more thorough and complete test when compared to the Quick Test.

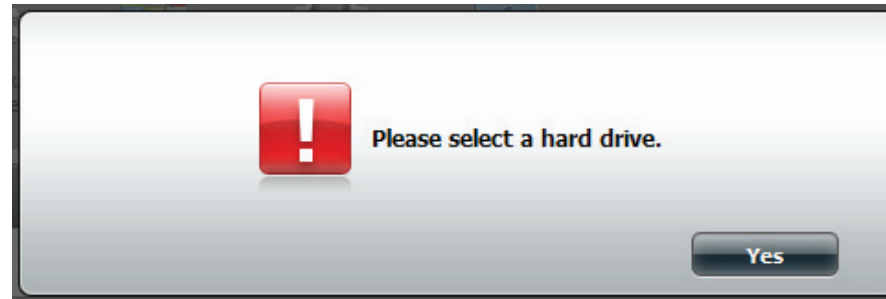
To run the S.M.A.R.T. test, select the hard drive you wish to perform the S.M.A.R.T. test on. Then select whether to run a Quick or Extended S.M.A.R.T. test. Then press "Start" to run the test.

Send Result By Email
Enable this function in order to have the

The D-Link logo is visible in the bottom right corner of the interface.

Disk Management - S.M.A.R.T. Schedule

If you didn't select the hard drive a warning message will inform you of an error.



Disk Management - Schedule List

Once you have created the schedule, click the blue arrow next to **Schedule List**. You will be able to see the list you created. Click the **Trash Can** to delete the **Schedule**.

The screenshot shows the D-Link ShareCenter web management interface. The browser address bar displays `http://192.168.0.102/web/management.html?id=disk&v=1317696355425`. The page title is "ShareCenter™ by D-Link" and the user is logged in as "admin". The "Management" tab is selected in the navigation bar. The "Disk Management" section is active, showing options for "Format Disk", "S.M.A.R.T. Test", and "Scan Disk".

The "S.M.A.R.T. Test" section includes a table with the following data:

Slot	Manufacturer	Model	Progress	Result	
<input checked="" type="checkbox"/>	Disk1	Hitachi	Hitachi HCS5C102	-	Pass[2011/10/04 10:12:46]

Below the table, the "Test Type" is set to "Quick Test" (radio button selected). There is a checkbox for "Send Result By E-mail" which is unchecked. "Create Schedule" and "Start" buttons are visible.

The "Schedule" section shows a dropdown for "Daily" and a time field set to "20 : 00". A "Create" button is present.

The "Schedule List" section contains a table with the following data:

Type	Slot / Volume	Schedule	Delete
S.M.A.R.T. - Quick	Disk1	20:00 / Daily	

On the right side of the interface, there is a help section titled "Hints..." and "Help...". The "Hints..." section explains that performing a S.M.A.R.T. test will scan the hard drives for errors and that results will be displayed as "Pass" or "Fail". The "Help..." section defines S.M.A.R.T. as "Self-Monitoring, Analysis, and Reporting Technology" and lists two tasks: "1. Run a Quick Test" and "2. Run an Extended Test". It also describes the "Quick Test" (usually under 10 minutes) and the "Extended Test" (more thorough and time-consuming). A "Send Result By Email" section at the bottom of the help text states: "Enable this function in order to have the".

The D-Link logo is located at the bottom right of the page.

Disk Management - Deleting the Schedule List

If you clicked the Trash Can the Schedule List will not show the deleted schedule anymore.

The screenshot shows the D-Link ShareCenter web interface. The main content area is titled "S.M.A.R.T. Test" and contains the following elements:

- S.M.A.R.T. Test Table:**

Slot	Manufacturer	Model	Progress	Result	
<input checked="" type="checkbox"/>	Disk1	Hitachi	Hitachi HCSSC102	-	Pass[2011/10/04 10:12:46]
- Test Type:** Radio buttons for "Quick Test" (selected) and "Extended Test". A checkbox for "Send Result By E-mail" is present.
- Buttons:** "Create Schedule" and "Start".
- Schedule Section:** "Daily" frequency, "Time : 20 : 00". A "Create" button is below.
- Schedule List Table:**

Type	Slot / Volume	Schedule	Delete
-	-	-	

The right sidebar contains a "Hints..." section with the following text:

This section allows you to perform a health test on your hard drives. In addition, you can set a schedule for your tests and receive email notifications.

- Hints...**
Performing a S.M.A.R.T. test will scan the ShareCenter hard drives for errors. After completion, the system will display the results of the test as either Pass or Fail. In addition, you can obtain the current S.M.A.R.T. information stored on the hard drives.
- Help...**
S.M.A.R.T. Test
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2. Run an Extended Test

Quick Test
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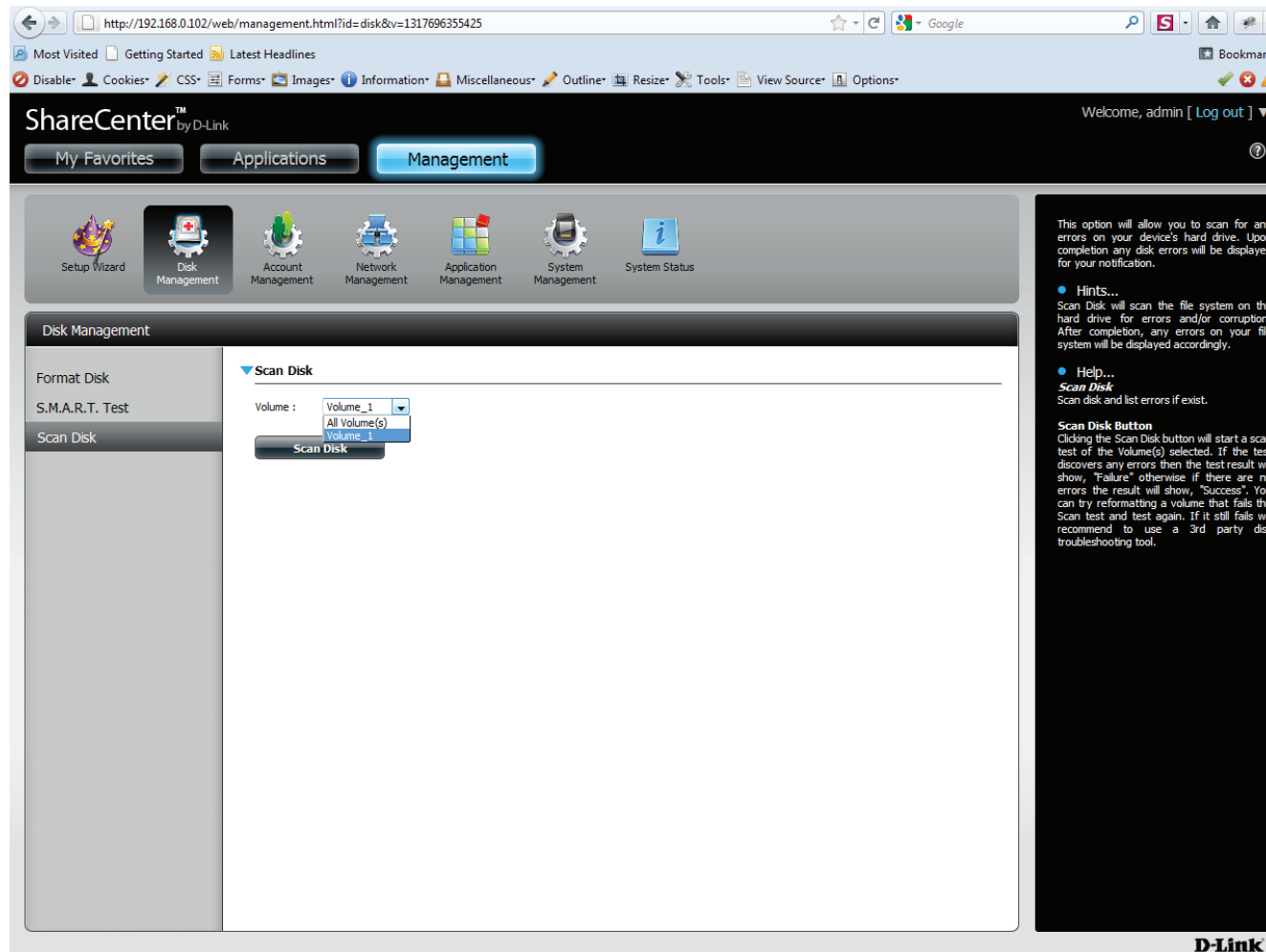
Extended Test
Runs an extended S.M.A.R.T. test. This test requires a lot more time to complete. However, it is a more thorough and complete test when compared to the Quick Test.

To run the S.M.A.R.T. test, select the hard drive you wish to perform the S.M.A.R.T. test on. Then select whether to run a Quick or Extended S.M.A.R.T. test. Then press "Start" to run the test.

Send Result By Email
Enable this function in order to have the

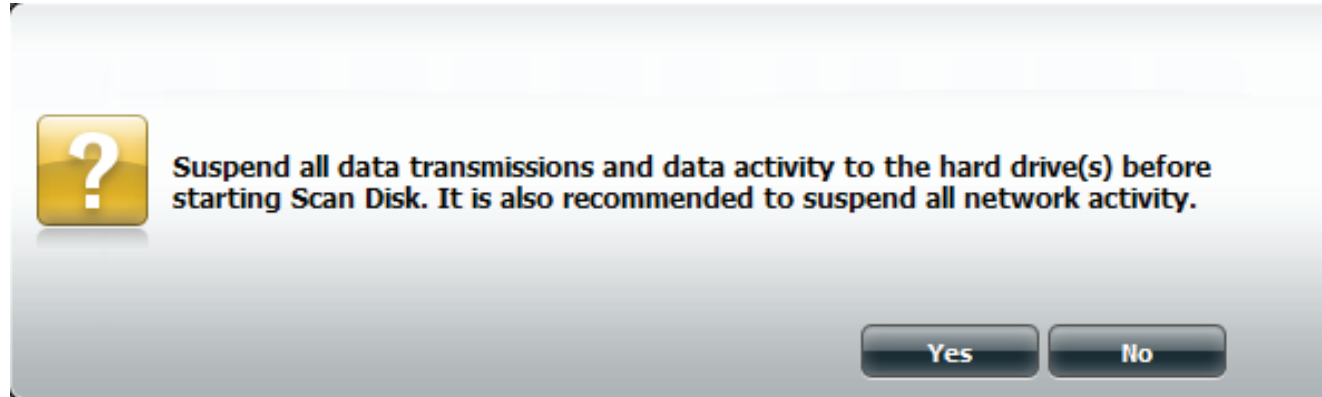
Disk Management - Scan Disk

Click **Disk Management**, **Scan Disk**. Under **Volume**, check the drop down list, and select your hard drive. Click **Scan Disk**.



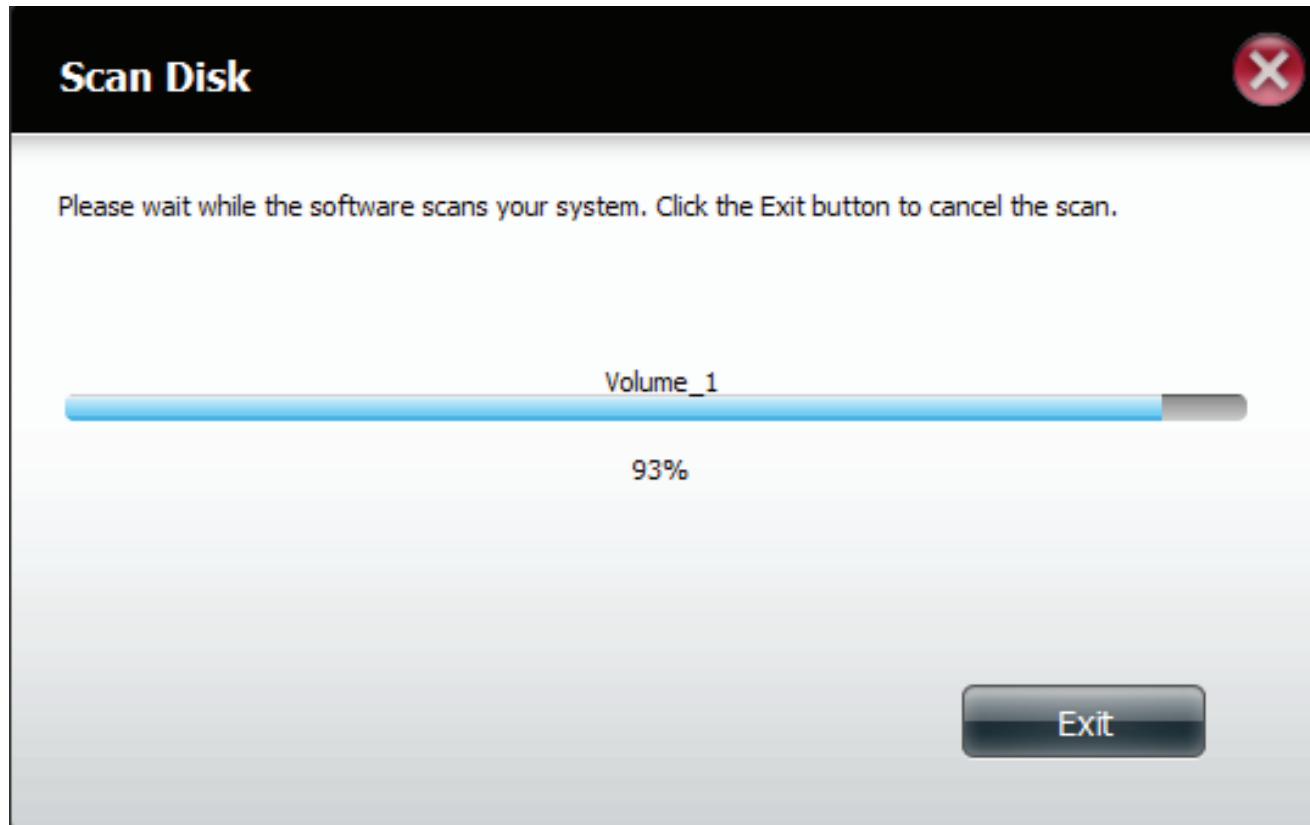
Disk Management - Scan Disk

Once again you will be warned of lost data. Click **Yes** to continue, **No** to cancel.



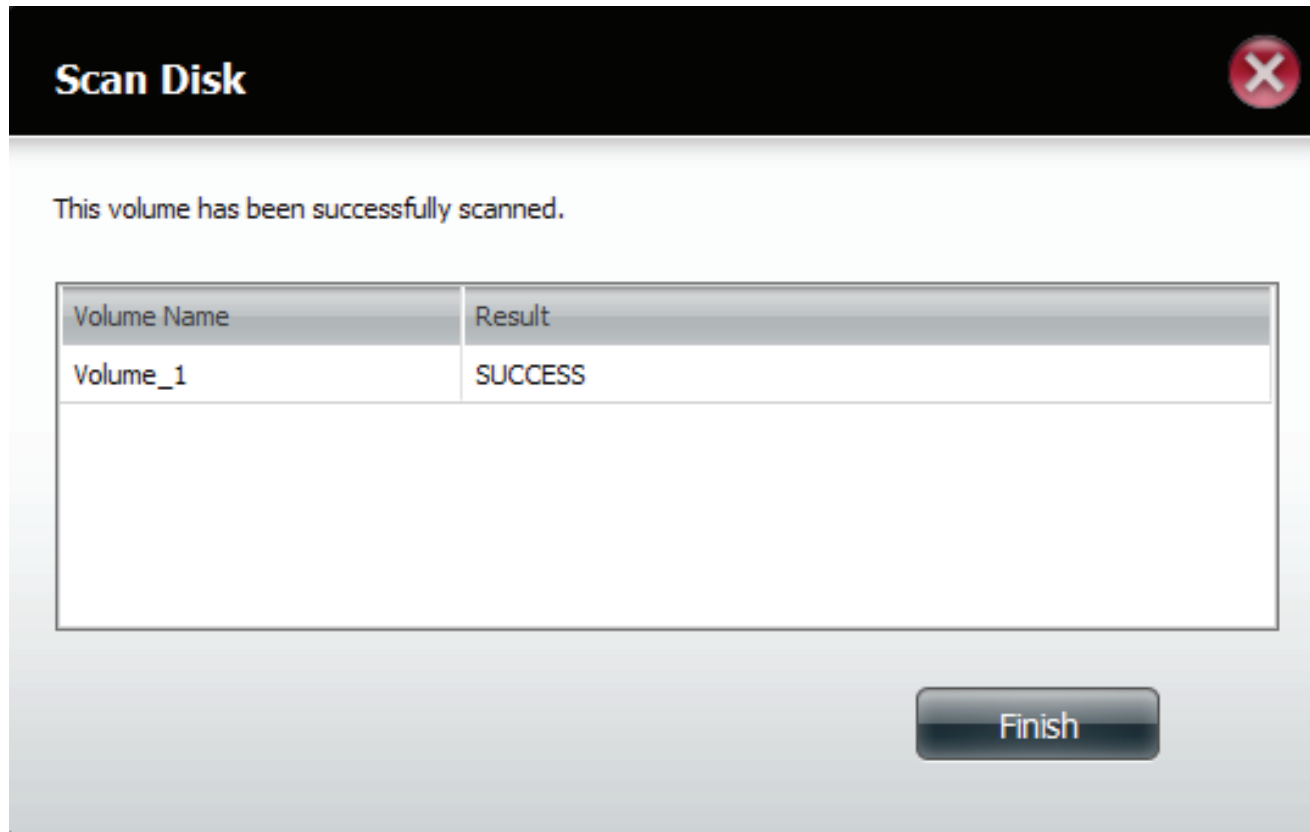
Disk Management - Performing the Scan Disk

The wizard scans the drive.



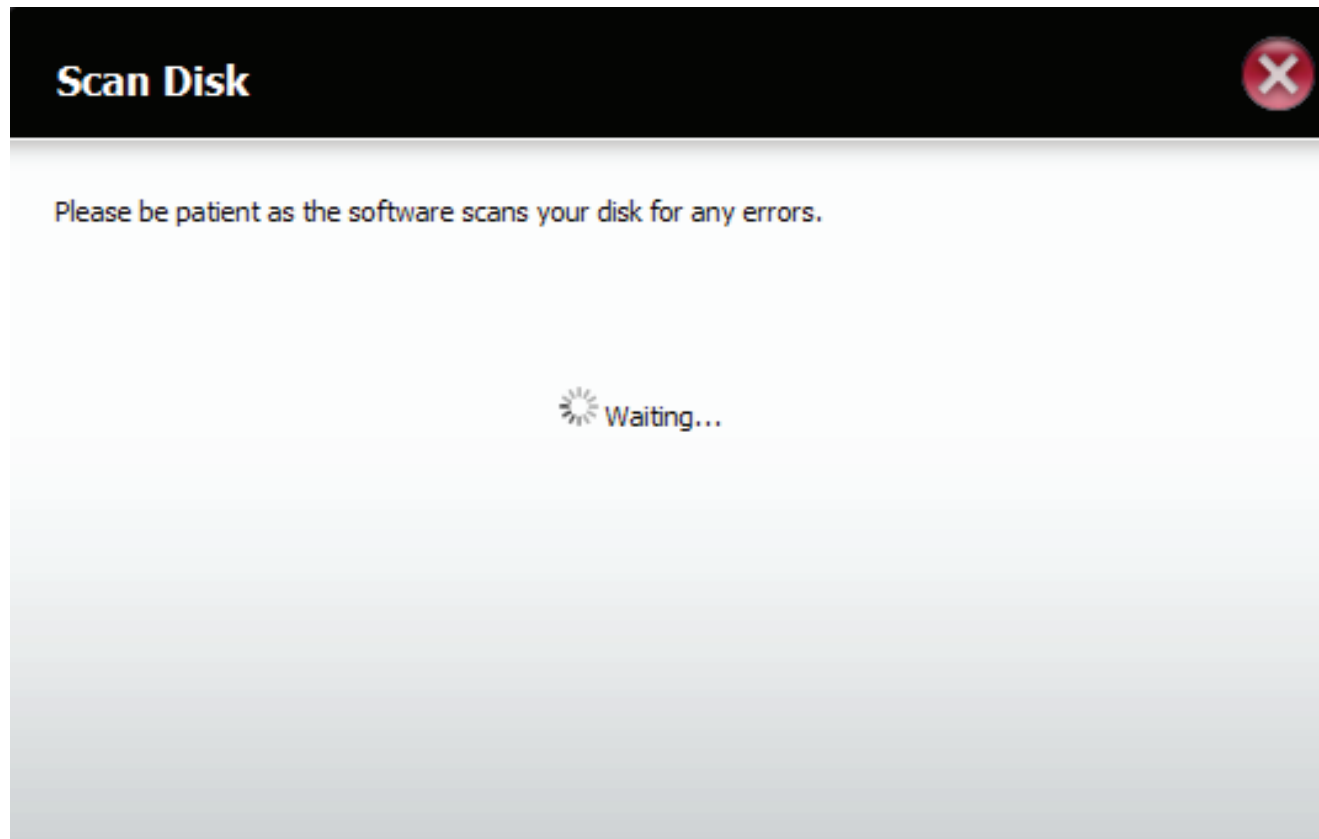
Disk Management - Performing the Scan Disk

Once the scan is complete, it will show **SUCCESS**. Click **Finish** to exit.



Disk Management - Performing the Scan Disk

The **Scan** checks for errors and completes the process.



Account Management - Users and Groups

The **Users/Groups** menu is used to create and manage user and group accounts. Up to 256 users and 32 groups can be created. By default, all users have read and write access to all folders but access rules can be created in the Network Shares menu.

The screenshot displays the D-Link ShareCenter web management interface. The browser address bar shows the URL `http://192.168.0.101/web/management.html?id=account&v=1317873161914`. The page title is "ShareCenter™ by D-Link". The navigation menu includes "My Favorites", "Applications", and "Management". The "Management" menu is active, showing icons for Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status. The "Account Management" section is expanded, showing a sidebar with "Users / Groups", "Quotas", "Network Shares", and "Admin Password". The main content area is titled "Account Management" and contains a "User Settings" section with "Create", "Modify", "Delete", and "Import Users" buttons. Below these buttons is a table with two columns: "User Name" and "Group Name". The table contains two rows: "jon" and "dee". Below the table is a pagination control showing "Page 1 of 1" and "Displaying 1 to 2 of 2 items". The "Group Settings" section is also visible but empty. On the right side of the page, there is a help panel with "Hints..." and "Help..." sections. The "Hints..." section states: "User passwords must be at least five characters long. A user name can not be the same as a group name." The "Help..." section is titled "User Settings Adding New Users" and describes how to add a new user. It includes a list of steps: "Step 1: This window welcomes the user to the setup wizard for adding or modifying a user. In this wizard the user will be able to: 1) Create a new user account. 2) Add the user to a group. 3) Configure the appropriate network privileges. 4) Configure the user quota size. 5) View a summary of the configuration before completion. Click the 'Next' button to continue. Click the 'Exit' button to cancel all changes." "Step 2: Check the radio button to create a single user or multiple users." "Step 3: Select the 'Create A Single User' option if you would like to create a single user. Enter a valid username and password for the new user account, and confirm the password by repeating that step in the next field. Click the 'Previous' button to return to the previous step. Click the 'Next' button to proceed to the next step." The D-Link logo is visible in the bottom right corner of the page.

Account Management - Users and Groups

User Settings Your ShareCenter™ hard drives can be configured and formatted.

New Click this button to launch a wizard that will step you through adding a new user configuration.

Modify Click on an existing user in the table so that it is highlighted in red and then Click the Modify button to change the configuration of an existing user.

Delete Click on an existing user in the table so that it is highlighted in red and then click the Delete button to remove a User from the configuration.

Import Users Your ShareCenter™ can import users from an excel spreadsheet or you can manually import user accounts.

The screenshot displays the ShareCenter™ by D-Link web interface. At the top, there are navigation tabs for 'My Favorites', 'Applications', and 'Management'. Below these are icons for various management functions: Setup Wizard, Disk Management, Account Management (selected), Network Management, Application Management, System Management, and System Status. The main content area is titled 'Account Management' and contains a sidebar menu with options: Users / Groups, Quotas, Network Shares, Admin Password, Active Directory, and Distributed File System. The 'User Settings' section is active, showing buttons for 'Create', 'Modify', 'Delete', and 'Import Users'. Below these buttons is a table with columns for 'User Name' and 'Group Name'. The table is currently empty. At the bottom of the table, there is a status bar showing 'Page 1 of 1' and 'No items'.

Account Management - Adding New Users Wizard

The following section will describe how to add a new user on this device. To add a user click on the 'Create' button. An easy to configure wizard will be launched.

This window welcomes the user to the setup wizard for adding or modifying a user. This wizard will guide the user through the setup process.

In this wizard the user will be able to:

- 1) Create a new user account.
- 2) Join the user to a group.
- 3) Configure the appropriate network shares settings.
- 4) Configure the user quota.
- 5) View a summary of the configuration before completing the addition.

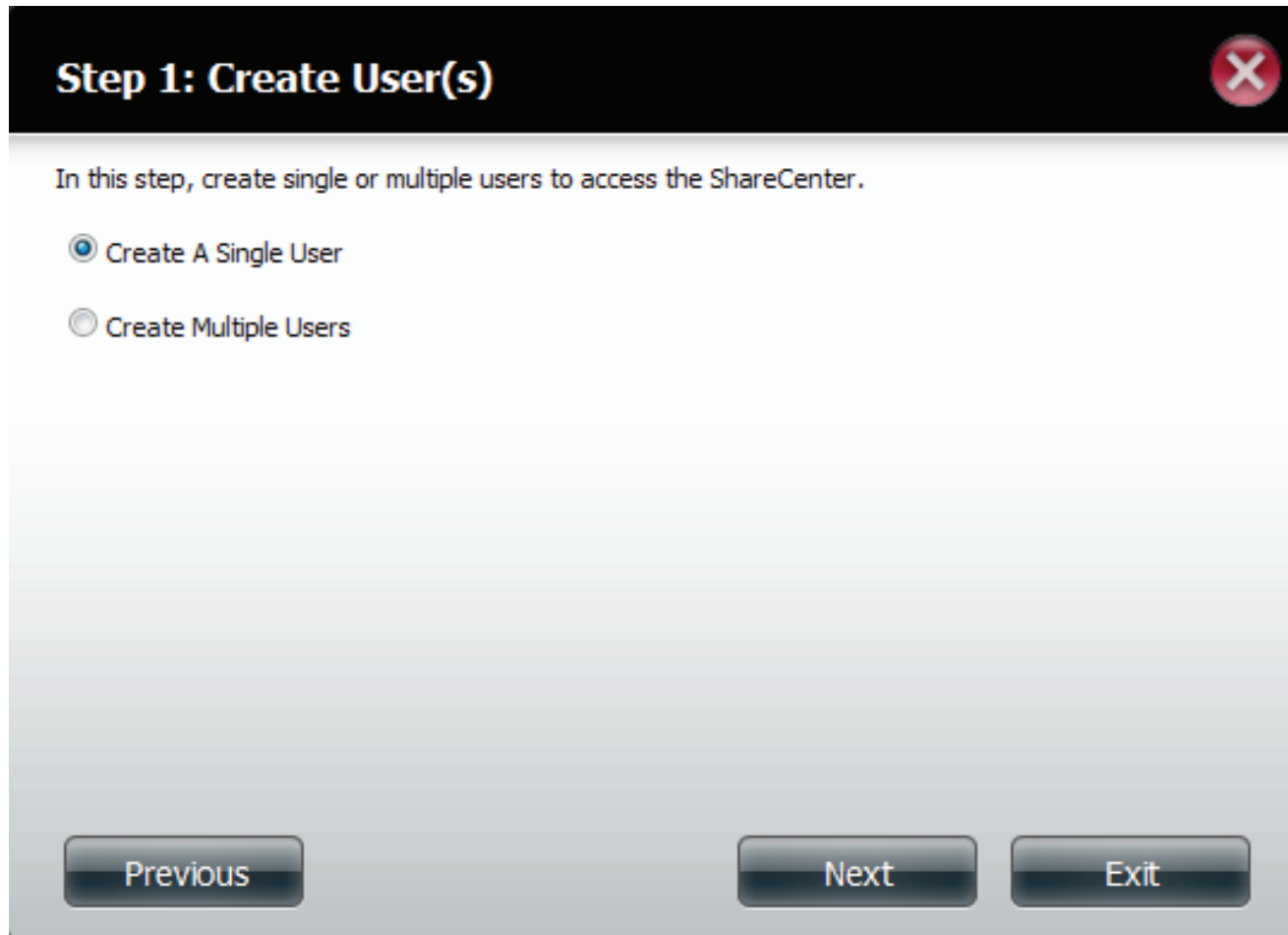
Click on the 'Next' button to continue.

Click on the 'Exit' button to discard the changes made and return to the User/Group window.



Account Management - Username and Password

Create a **Single User** or **Create Multiple Users**. Click **Next** to continue.



Step 1: Create User(s)

In this step, create single or multiple users to access the ShareCenter.

Create A Single User

Create Multiple Users

Previous Next Exit

Account Management - Username and Password

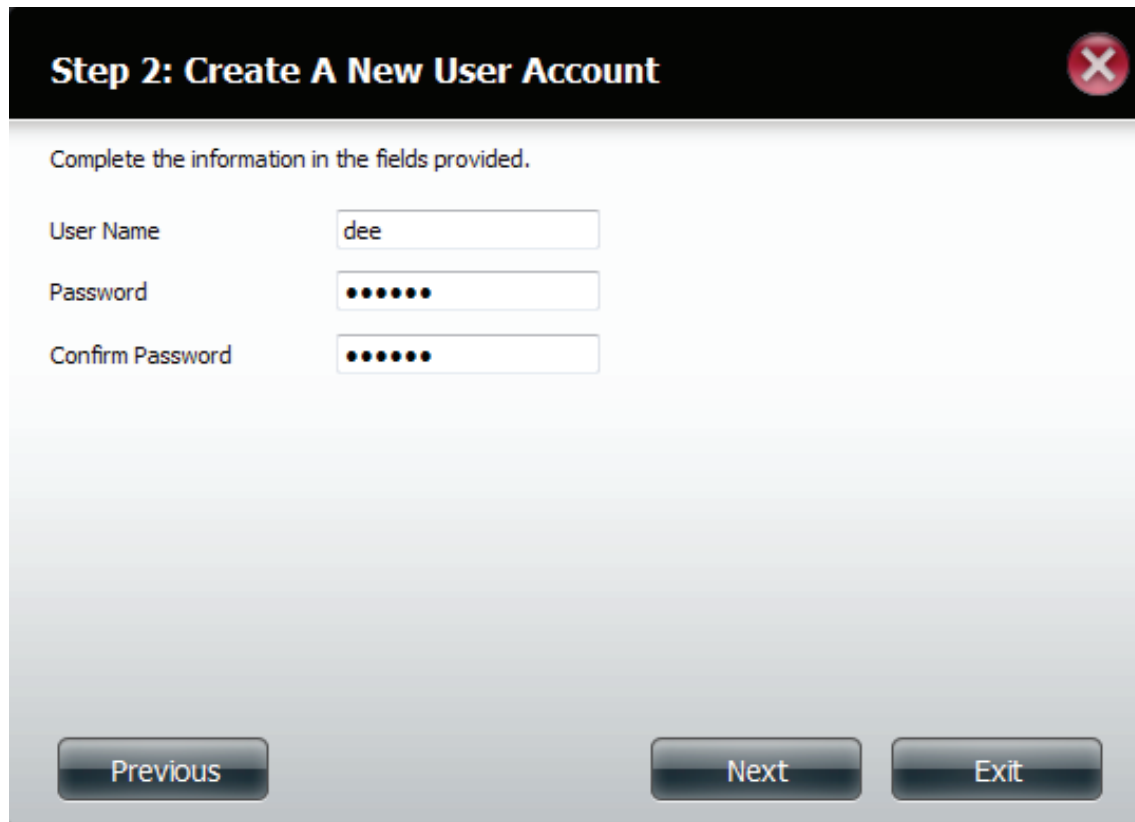
Create a Single User or Create Multiple Users. Click **Next** to continue.

Enter the **User Name** and **Password** for the new user account. The password needs to be confirmed by re-entering the password in the Confirm Password field.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the changes and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the User/Group window.



Step 2: Create A New User Account

Complete the information in the fields provided.

User Name

Password

Confirm Password

Account Management - Setting up Groups

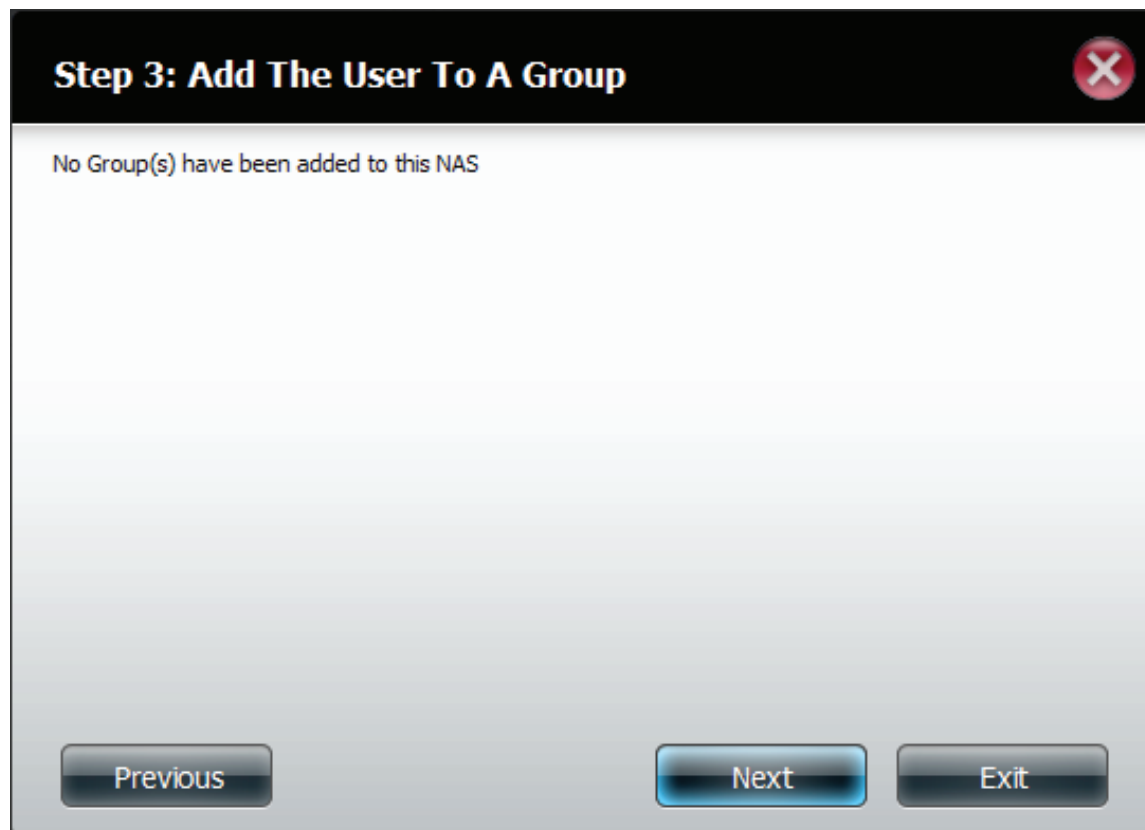
Add Users to a Group. If no Group has been created prior to setup, a no group window will indicate this.

Choose to configure this user account to belong to a group or not. Select the appropriate **Group Name** by ticking the check box.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the **User/Group** window.



Account Management - Setting up Network Access

Provide different Network Access to a User or Group of Users.

Configure the appropriate **Network Access** settings for the user by simply ticking one of the following options: **Read Only**, **Read Write** or **Deny Access**.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the **User/Group** window.

Share Name	<input type="checkbox"/> Read Only	<input checked="" type="checkbox"/> Read / Write	<input type="checkbox"/> Deny Access
Volume_1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

10 Page 1 of 1 Displaying 1 to 1 of 1 items

Previous Next Exit

Account Management - Setting up Access Priviledges

Provide different Access Methods to a User or Group of Users.

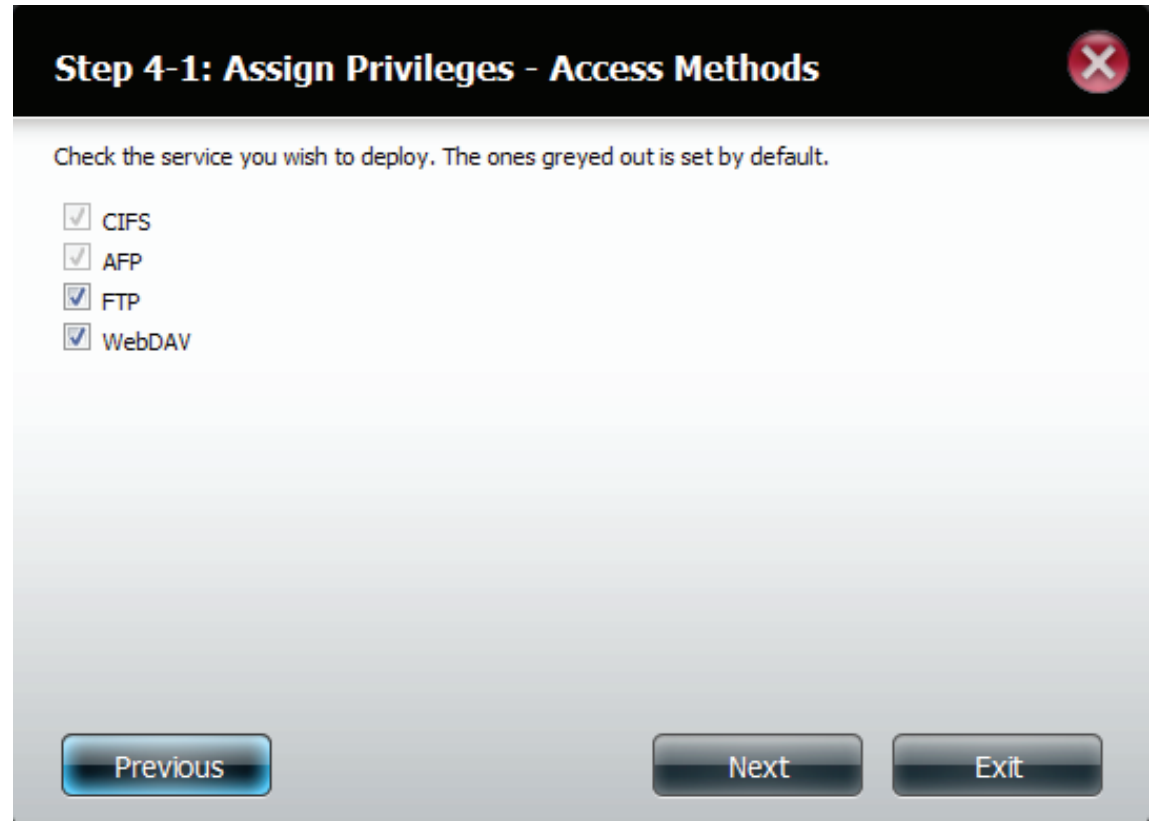
Configure the application privileges assigned to this user. The options to select are: **FTP**, **CIFs**, **AFP** and **WebDAV**

- **CIFS** is short for **Common Internet File System**
- **AFP** is short for **Apple Filing Protocol**
- **FTP** is short for **File Transfer Protocol**
- **WebDAV** is short for **Web-based Distributed Authoring and Versioning**.

Click on the '**Back**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the **User/Group** window.



Account Management - WebDAV

If you have set **WebDAV** up then also set the rules for it.

Set the right privileges for it. **Read Only**, or **Read/Write**.



Step 4-1-1: WebDAV Settings

Share Name	Read Only	Read / Write
Volume_1	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Previous Next Exit

Account Management - Quota Settings

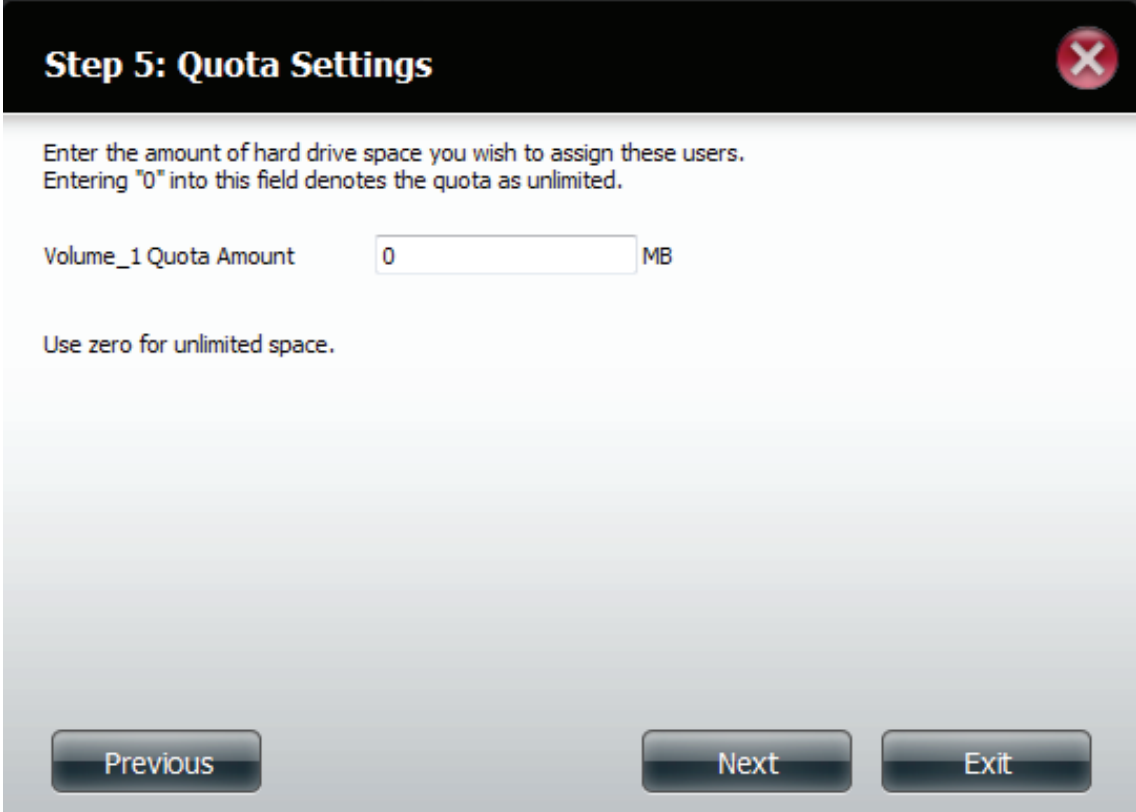
Setup the amount of hard drive space you want to assign the user or Group of Users

Configure the **Quota** settings for the user account. Enter the quota amount in the block(s) indicated in **Megabytes**. By entering **0Mb** the quota will be set to **unlimited**.

Click on the **'Back'** button to return to the previous window.

Click on the **'Next'** button to accept the change and continue to the next window.

Click on the **'Exit'** button to discard the changes made and return to the **User/Group** window.



Step 5: Quota Settings

Enter the amount of hard drive space you wish to assign these users.
Entering "0" into this field denotes the quota as unlimited.

Volume_1 Quota Amount MB

Use zero for unlimited space.

Previous Next Exit

Account Management - Account Summary

The final screen displays a summary of the configuration.

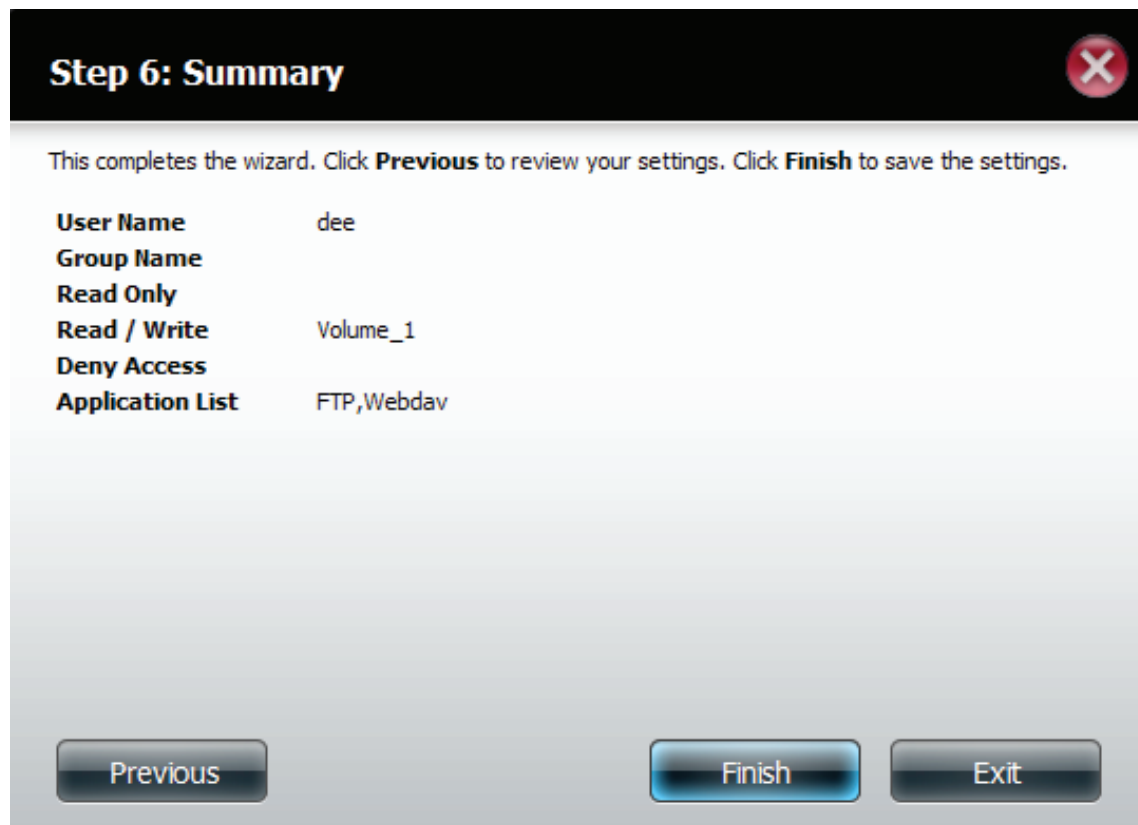
Confirm the new account.

Click on the **'Back'** button to return to the previous window.

Click on the **'Completed'** button to accept the change and complete the wizard.

Click on the **'Exit'** button to discard the changes made and return to the **User/Group** window.

After the new account has been created, a window will appear that states the account was created successfully. Click on the **'OK'** button to continue.



Group Setup Wizard - Adding a New Group

The following section will describe how to add a new group on this device. To add a group click on the 'Add' button. An easy to configure wizard will be launched and look like the following:

This window welcomes the user to the setup wizard for adding or modifying a group. This wizard will guide the user through the process.

In this wizard the user will be able to:

- 1) Create a new group.
- 2) Join the user to a group.
- 3) Configure the appropriate network shares settings.
- 4) Configure the quota settings.
- 5) View a summary of the configuration before completing the addition.

Click on the '**Next**' button to continue.
Click on the '**Exit**' button to discard the changes made and return to the **User/Group** window.

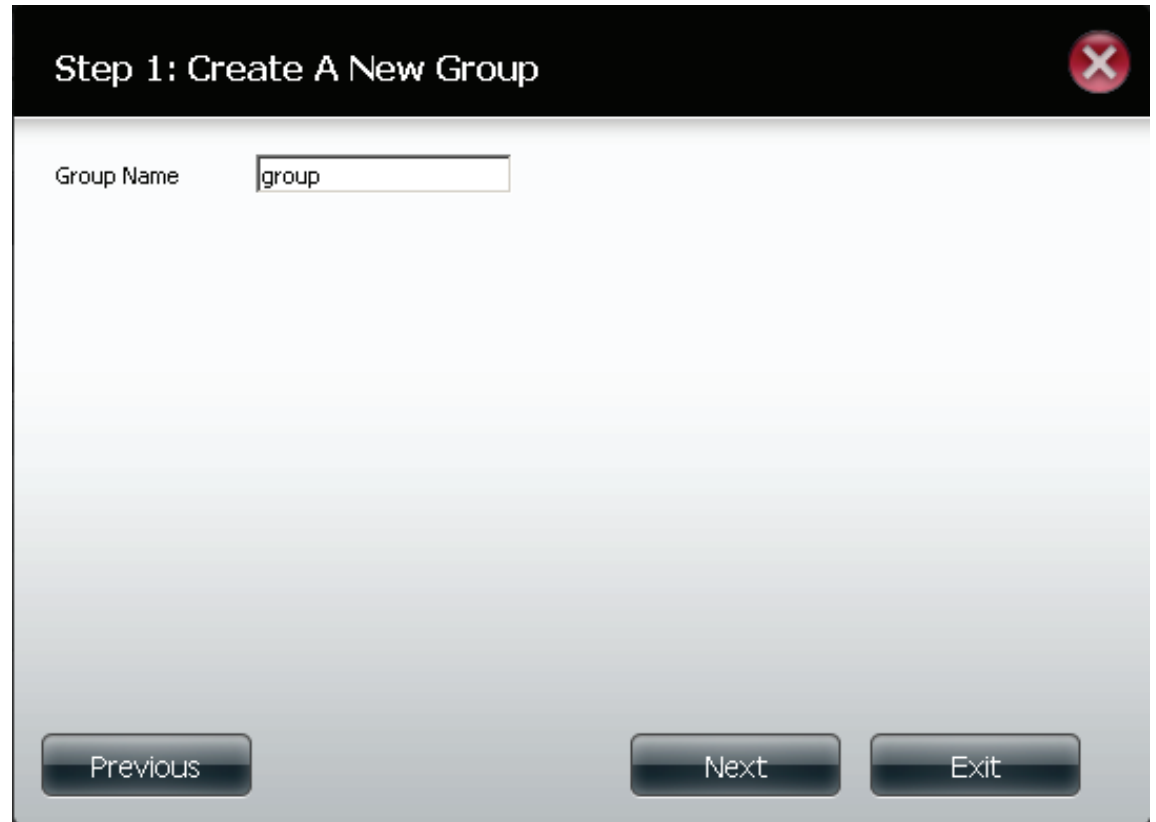


Enter the **Group Name** for the new group being created.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the **User/Group** window.



Step 1: Create A New Group

Group Name

Previous Next Exit

Configure a user account to belong to this group or not. Select the appropriate user(s) by ticking the check box next to it.

Click on the **'Previous'** button to return to the previous window.

Click on the **'Next'** button to accept the change and continue to the next window.

Click on the **'Exit'** button to discard the changes made and return to the **User/Group** window.

User Name	<input type="checkbox"/>
john	<input type="checkbox"/>
garth	<input type="checkbox"/>
karl	<input type="checkbox"/>
nick	<input type="checkbox"/>

Previous Next Exit

Configure the appropriate Network Access settings for this group by simply ticking one of the following options. Read Only, Read Write or Deny Access.

Click on the **'Previous'** button to return to the previous window.

Click on the **'Next'** button to accept the change and continue to the next window.

Click on the **'Exit'** button to discard the changes made and return to the User/Group window.

Share Name	<input type="checkbox"/> Read Only	<input type="checkbox"/> Read / Write	<input type="checkbox"/> Deny Access
Volume_1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10 Page 1 of 1 Displaying 1 to 1 of 1 items

Previous Next Exit

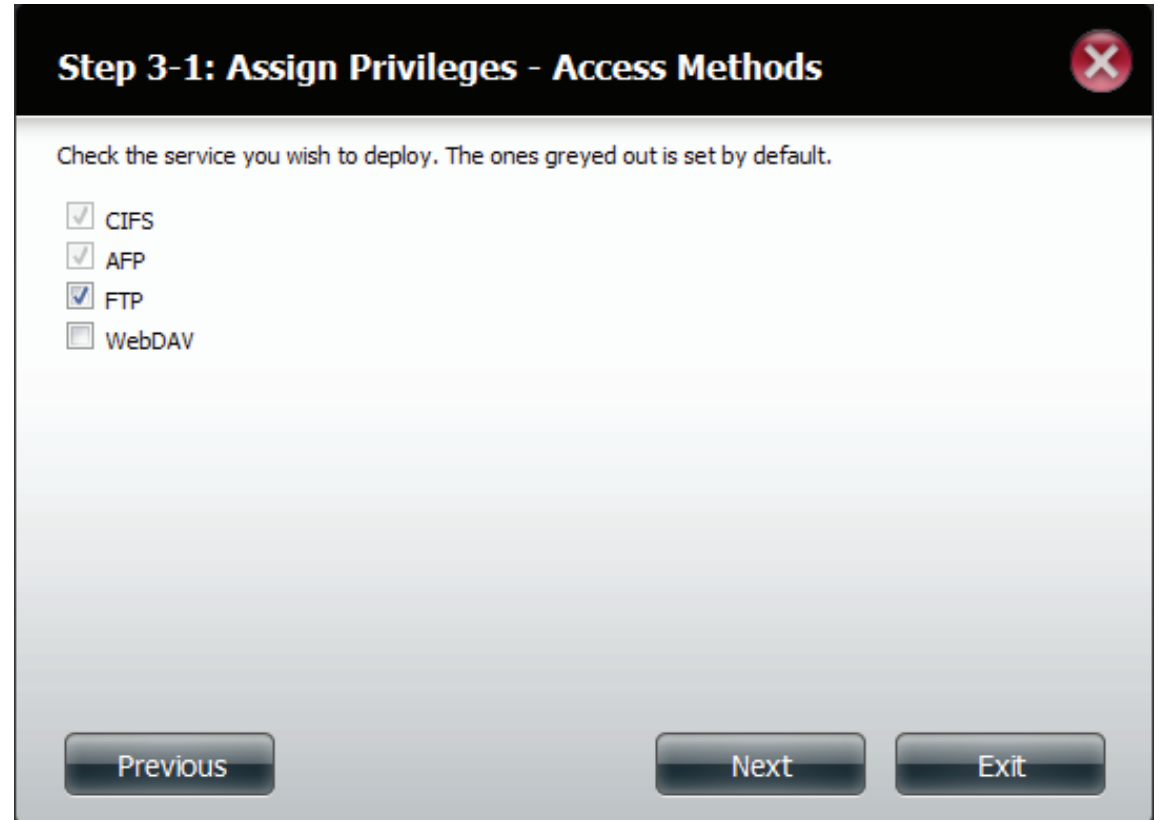
Here the user can configure the application privileges assigned to this group. Options to select are FTP, CIFS and AFP is set as default.

- **CIFS** is short for Common Internet File System
- **AFP** is short for Apple Filing Protocol
- **FTP** is short for File Transfer Protocol.
- **WebDAV** is short for **Web-based Distributed Authoring and Versioning**.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the User/Group window.

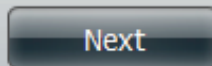
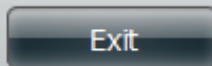


Set the WebDAV settings for the Group. Read Only, or Read/Write.

Click Next to continue.

Step 3-1-1: WebDAV Settings

Share Name	Read Only	Read / Write
Volume_1	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Configure the **Quotas settings** for this group. Enter the quota amount in the block indicated in Megabytes. By entering 0Mb the quota will be set to unlimited.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the User/Group window.

Step 4: Quota Settings

Enter the amount of hard drive space you wish to assign these users.
Entering "0" into this field denotes the quota as unlimited.

Volume_1 Quota Amount MB

Use zero for unlimited space.

Previous Next Exit

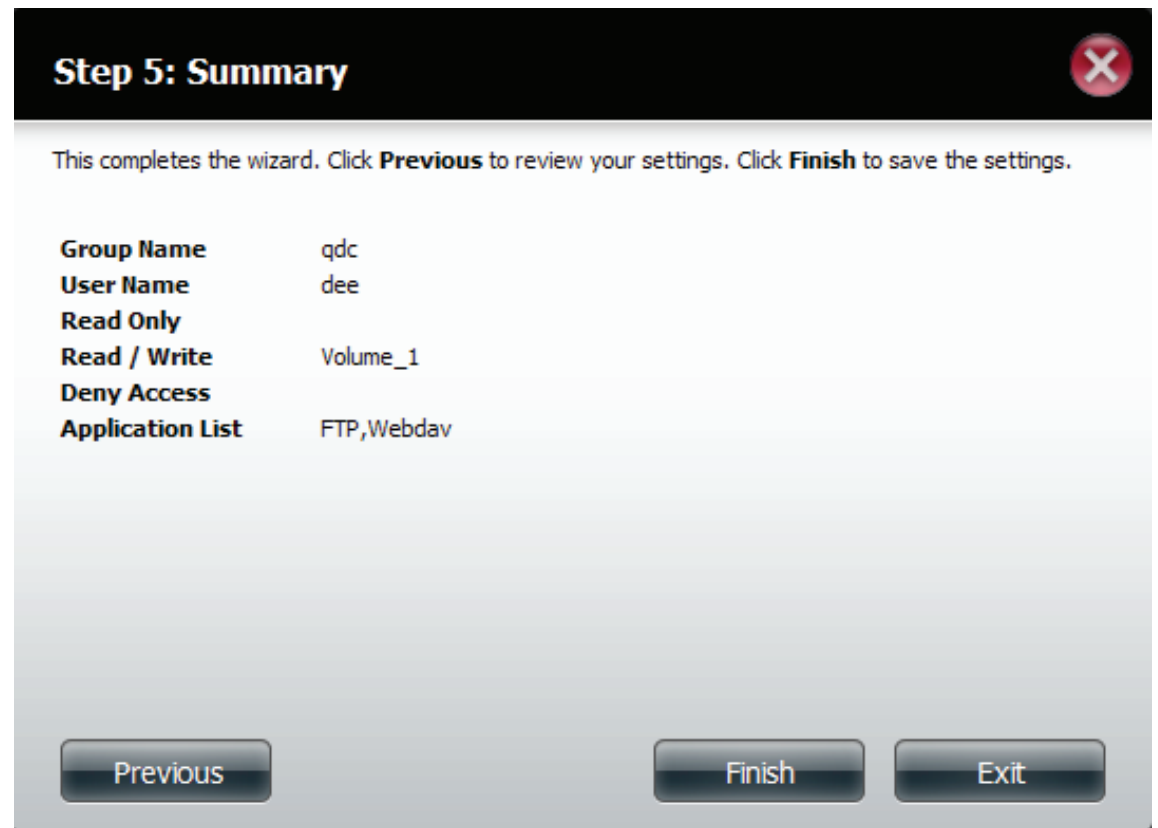
The Group Summary shows details of your configuration.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Finish**' button to accept the change and completed the wizard.

Click on the '**Exit**' button to discard the changes made and return to the User/Group window.

After the new group has been created, a window will appear that states the group was created successfully. Click on the 'OK' button to continue.



Success A final message appears indicating the group was created successfully and added to the ShareCenter configuration.



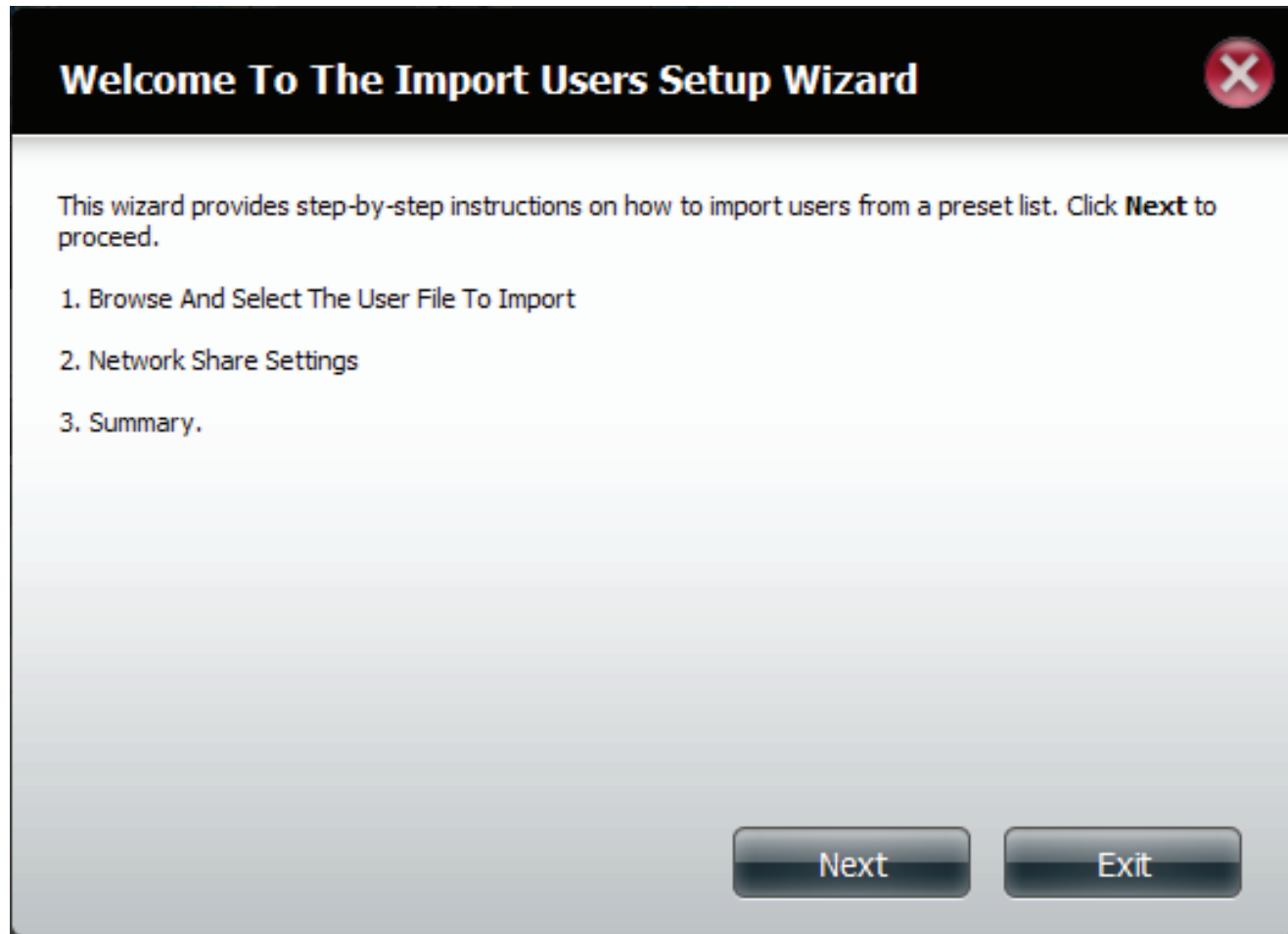
Account Management - Import Users

Click Account Management, Users/Groups, Import Users

The screenshot displays the D-Link ShareCenter Management web interface. At the top, the 'Management' tab is selected. Below the navigation bar, the 'Account Management' icon is highlighted. The main content area shows the 'User Settings' section with the 'Import Users' button. A table with columns for 'User Name' and 'Group Name' is visible, but it is currently empty. The page footer indicates 'Page 1 of 1' and 'No items'.

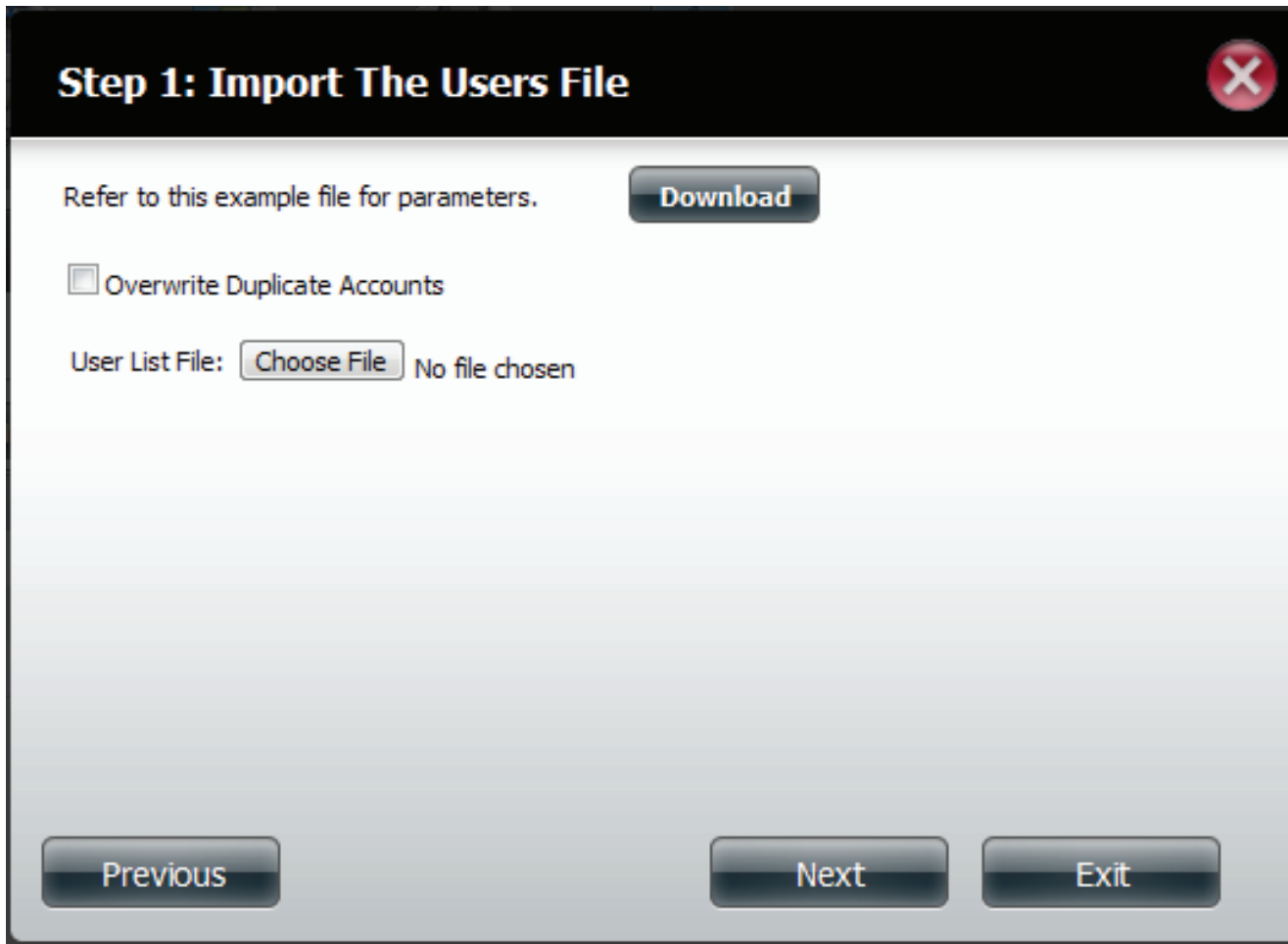
Account Management - Import Users

The **Import Wizard** starts up.



Account Management - Import Users

Click the **Download** button to see a sample file. Click Overwrite Duplicate Accounts if this is necessary. Then click Choose File - to import the list. Click **Next** to continue.



The screenshot shows a dialog box titled "Step 1: Import The Users File" with a red close button in the top right corner. The main content area contains the following elements:

- Text: "Refer to this example file for parameters." followed by a "Download" button.
- Checkbox: An unchecked checkbox labeled "Overwrite Duplicate Accounts".
- Text: "User List File:" followed by a "Choose File" button and the text "No file chosen".

At the bottom of the dialog box, there are three buttons: "Previous", "Next", and "Exit".

Account Management - Import Users

Assign the **Priviledges** and **Access Methods**. Click Next to continue.

Step 2: Assign Privileges - Access Methods

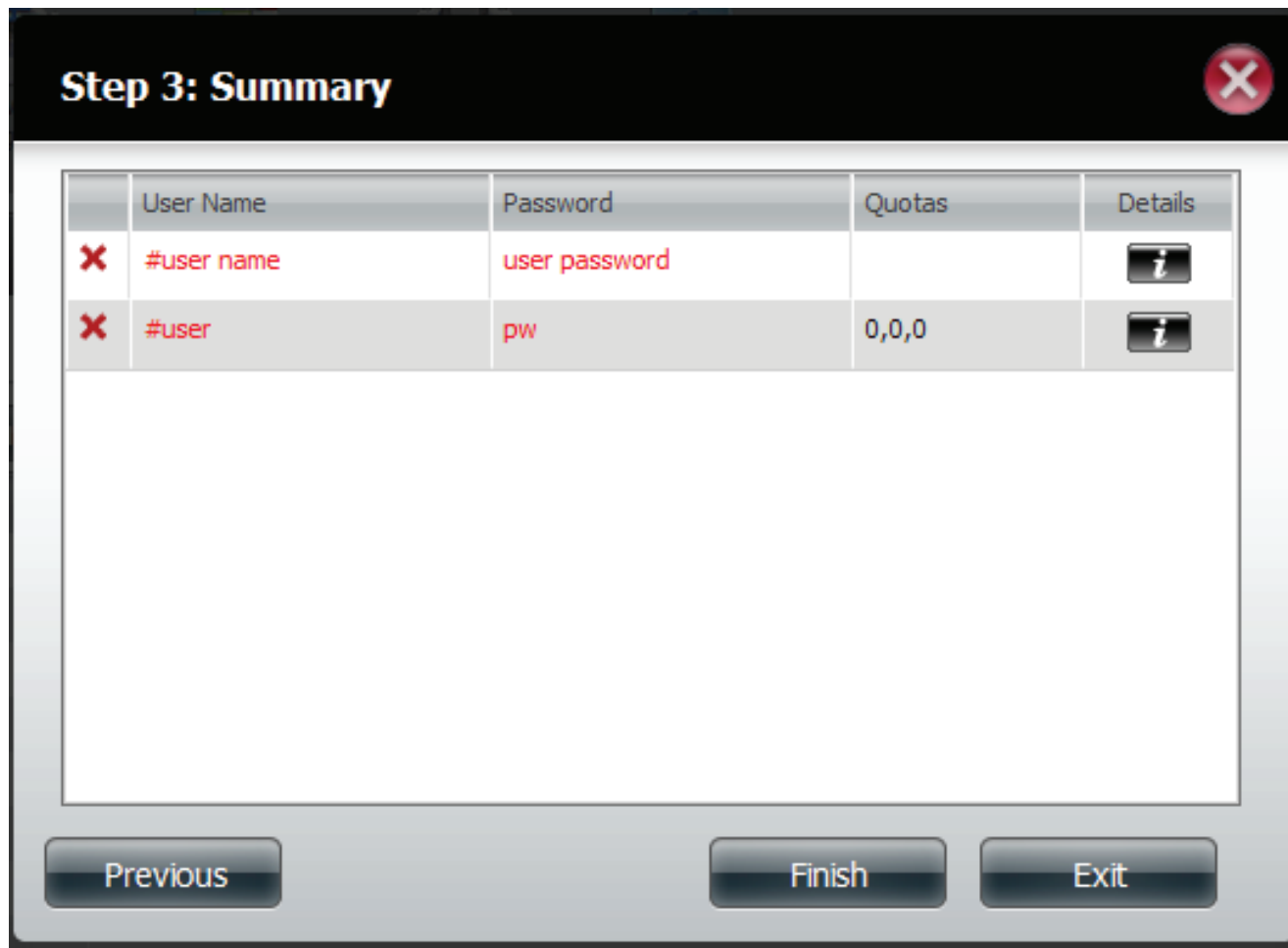
Check the service you wish to deploy. The ones greyed out is set by default.

- CIFS
- AFP
- FTP

Previous Next Exit

Account Management - Import Users

If there is a problem with the user list, the wizard will show the table in red. Click Finish to close the wizard or go back to change the import file.



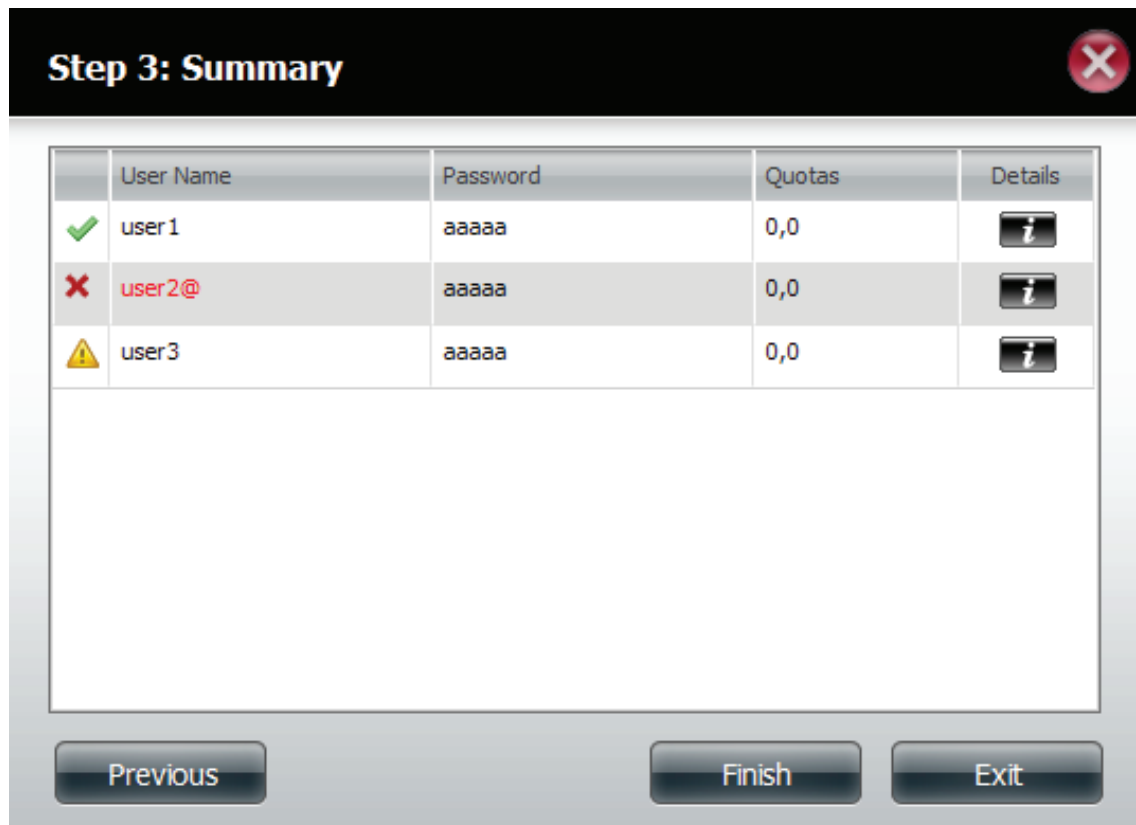
Account Management - Import Users

The Summary is defined by three distinguishing icons.




A Green check icon - means the user or User List has been authorized. The User List configuration is correct.

A Red X icon - means the User or User List is not authorized. The User List configuration is incorrect.

A Yellow warning icon - means the User and User List is authorized. However, not all imported items are authenticated. Shared Folders are not imported and have to be manually configured.



The screenshot shows a dialog box titled "Step 3: Summary" with a close button (red X) in the top right corner. The dialog contains a table with the following data:

	User Name	Password	Quotas	Details
✓	user1	aaaaa	0,0	
✗	user2@	aaaaa	0,0	
⚠	user3	aaaaa	0,0	

At the bottom of the dialog, there are three buttons: "Previous", "Finish", and "Exit".

Account Management - Quotas

The ShareCenter supports storage quotas for both individual users and Group User Accounts. Assigning a quota to a user or a group will limit the amount of storage allocated to the User or Group Account. By default, users and groups do not have a quota.

ShareCenter™ by D-Link

Welcome, admin [Log out]

My Favorites Applications Management

Setup Wizard Disk Management Account Management Network Management Application Management System Management System Status

Account Management

Users / Groups Quotas Network Shares Admin Password

▼ Quota Settings

Status : Started

Disabled

▼ User Quota Settings

Modify

User Name	Volume_1_ Used	Volume_1_ Limit	-	-
John	0 MB	Unlimited	-	-
oarth	0 MB	Unlimited	-	-
	MB	Unlimited	-	-
	MB	100 MB	-	-

10 Page 1 of 1 Displaying 1 to 4 of 4 items

► Group Quota Settings

D-Link

This section allows you to assign a quota to a group or user to limit the amount of storage they are allocated. By default, users and groups do not have a quota.

- Hints...
The hard drives must be finished synchronizing before quotas can be set.
- Help...
The ShareCenter 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.

Quota Settings
Here the user can enable the quota settings option. Once the quota settings have been enabled the Status will change to started.

User Quota Settings
In this window all the users with their respective quotas will be displayed. Here the user can quickly and easily change the quota for each individual user by simply clicking on the parameter listed in the Limit column, shown here as "Unlimited".

After selecting the limit column parameter, the user will be able to configure the quota for the respective user.

To accept the new quota settings simply click anywhere in this windows outside the parameter field. This new quota will be displayed, like in this example 1000MB.

Group Quota Settings
In this window all the groups with their respective quotas will be displayed. Here the user can quickly and easily change the quota for each individual group by simply clicking on the parameter listed in the Limit column, shown here as "Unlimited".

After selecting the limit column parameter, the user will be able to configure the quota for the respective

Account Management - User Quota Settings

Select Users and Groups to modify their properties. Click the blue arrow to view a larger view of these settings. Click the User, and click Modify.

ShareCenter™ by D-Link

Welcome, admin [Log out]

My Favorites Applications Management

Setup Wizard Disk Management Account Management Network Management Application Management System Management System Status

Account Management

Users / Groups Quotas Network Shares Admin Password

Quota Settings

Status: Stopped

Enable

User Quota Settings

Modify

User Name	Volume_1 Used	Volume_1 Limit	-	-
jon	0 MB	Unlimited	-	-
dee	0 MB	Unlimited	-	-

10 Page 1 of 1 Displaying 1 to 2 of 2 items

Group Quota Settings

Modify

This section allows you to assign a quota to a group or user to limit the amount of storage they are allocated. By default, users and groups do not have a quota.

- Hints...**
The hard drives must be finished synchronizing before quotas can be set.
- Help...**
The ShareCenter 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.

Quota Settings
Here the user can enable the quota settings option. Once the quota settings have been enabled the Status will change to started.

User Quota Settings
In this window all the users with their respective quotas will be displayed. Here the user can quickly and easily change the quota for each individual user by simply clicking on the parameter listed in the Limit column, shown here as "Unlimited".

After selecting the limit column parameter, the user will be able to configure the quota for the respective user.

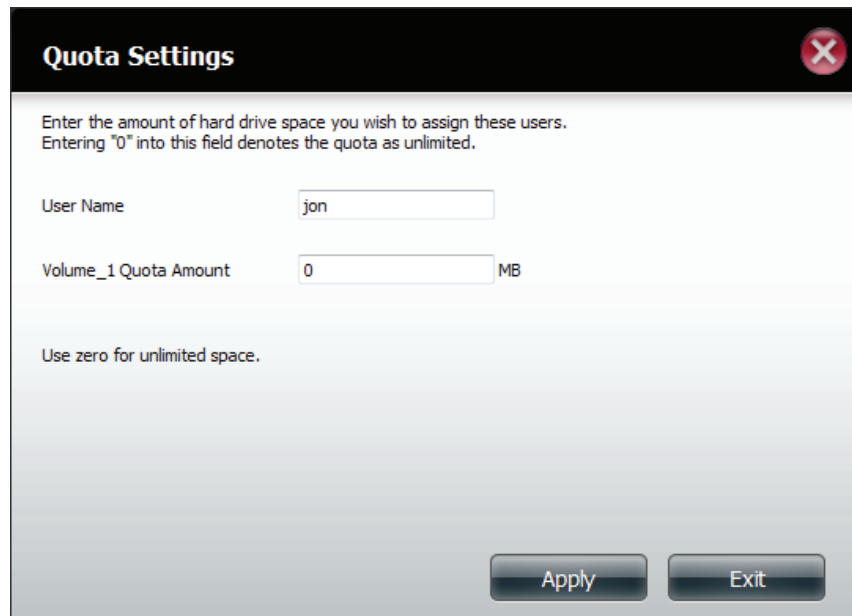
To accept the new quota settings simply click anywhere in this window outside the parameter field. This new quota will be displayed, like in this example 1000Mb.

Group Quota Settings
In this window all the groups with their respective quotas will be displayed. Here the user can quickly and easily change the quota for each individual group by simply clicking on the parameter listed in the Limit column, shown here as "Unlimited".

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Account Management - User Quota Settings

When you've clicked the Modify button, a Quota Settings window appears. If you wish, you can change the quota amount as seen in the two images below.



Quota Settings [Close]

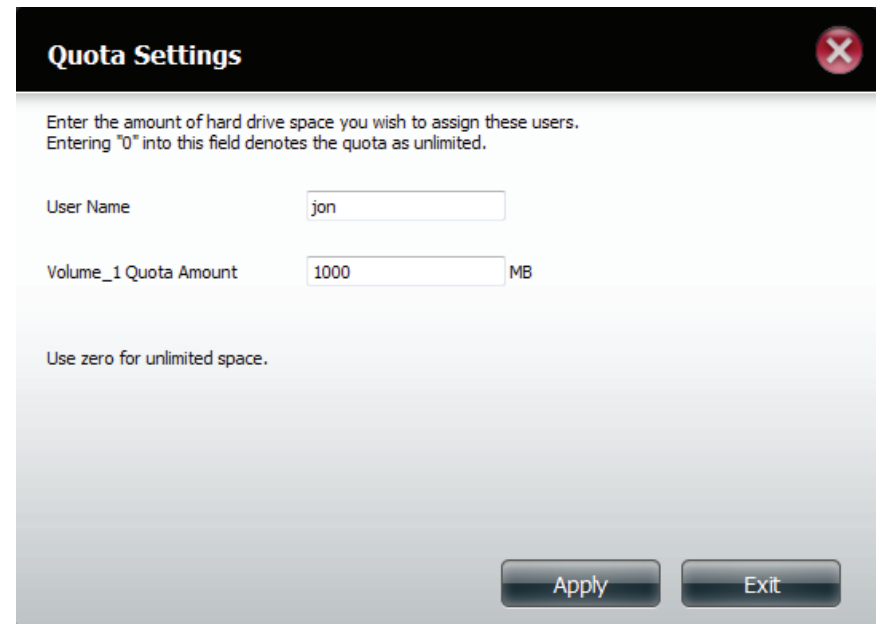
Enter the amount of hard drive space you wish to assign these users.
Entering "0" into this field denotes the quota as unlimited.

User Name

Volume_1 Quota Amount MB

Use zero for unlimited space.

Apply Exit



Quota Settings [Close]

Enter the amount of hard drive space you wish to assign these users.
Entering "0" into this field denotes the quota as unlimited.

User Name

Volume_1 Quota Amount MB

Use zero for unlimited space.

Apply Exit

Account Management - Group Quota Settings

You can also set the Group Quota Settings. These settings can be setup using similar steps as with the User Quota Settings. Click the Group, press Modify and change the quota settings.

The screenshot shows the D-Link ShareCenter Management interface in a web browser. The browser address bar shows the URL: <http://192.168.0.101/web/management.html?id=account&v=1317889802037>. The interface has a navigation bar with 'My Favorites', 'Applications', and 'Management' (selected). Below this is a menu with icons for Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status. The main content area is titled 'Account Management' and has a sidebar with 'Users / Groups', 'Quotas', 'Network Shares', and 'Admin Password'. The 'Quotas' section is active, showing a 'Modify' button and a table of user quotas:

User Name	Volume_1 Used	Volume_1 Limit	-	-
jon	0 MB	1000 MB	-	-
dee	0 MB	Unlimited	-	-

Below the table is a pagination control showing 'Page 1 of 1' and 'Displaying 1 to 2 of 2 items'. The 'Group Quota Settings' section is also active, showing a 'Modify' button and a table of group quotas:

Group Name	Volume_1 Used	Volume_1 Limit	-	-
qdc	0 MB	Unlimited	-	-

On the right side of the interface, there is a help panel with the following text:

This section allows you to assign a quota to a group or user to limit the amount of storage they are allocated. By default, users and groups do not have a quota.

- Hints...**
The hard drives must be finished synchronizing before quotas can be set.
- Help...**
The ShareCenter 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.

Quota Settings
Here the user can enable the quota settings option. Once the quota settings have been enabled the Status will change to started.

User Quota Settings
In this window all the users with their respective quotas will be displayed. Here the user can quickly and easily change the quota for each individual user by simply clicking on the parameter listed in the Limit column, shown here as "Unlimited".

After selecting the limit column parameter, the user will be able to configure the quota for the respective user.

To accept the new quota settings simply click anywhere in this window's outside the parameter field. This new quota will be displayed, like in this example 1000Mb.

Group Quota Settings
In this window all the groups with their respective quotas will be displayed. Here the user can quickly and easily change the quota for each individual group by simply clicking on the parameter listed in the Limit column, shown here as "Unlimited".

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Network Shares

The Network Shares page allows the user to configure shared folders and rights to specific users and groups. To be able to create new network access rules, the default rule must first be removed by simply selecting it and clicking on the 'Delete' button. You can also mount .iso files in the ISO Mount Shares Setting. If a user has access to a mounted .iso file then that user will be able to read all the files within it.

Network Shares: / ISO Mount Shares

The Network Shares Settings window allows the user to add, modify and remove both new and existing Network Share and ISO Mount Share Settings.

To add a rule click on the 'New' button. To modify an existing rule click on the 'Modify' button. To remove a rule click on the 'Delete' button.

To select a rule, simply click on the rule and the entry should change to a red color that indicates it's selected for use.

At the bottom of the table the user can navigate through pages and also refresh the window by click on the 'Refresh' button.

Lastly, if at any point the user want to reset the network access list to the default configuration, click on the 'Reset Network Shares' button

The screenshot displays the 'Network Shares Settings' page in a web browser. The browser address bar shows '10.80.78.13/web/management.html?id=account'. The page header includes 'ShareCenter™ by D-Link' and a 'Welcome, admin [Log out]' notification. A navigation menu at the top has 'My Favorites', 'Applications', and 'Management' buttons. Below this is a row of icons for 'Setup Wizard', 'Disk Management', 'Account Management', 'Network Management', 'Application Management', 'System Management', and 'System Status'. The main content area is titled 'Account Management' and contains a sidebar with 'Users / Groups', 'Quotas', 'Network Shares', and 'Admin Password'. The 'Network Shares Settings' section is expanded, showing a table with the following data:

Share Name	Path	CIFS	FTP	NFS	WebDAV
Volume_1	Volume_1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Below the table are navigation controls: 'Page 1 of 1' and 'Displaying 1 to 1 of 1 items'. The 'ISO Mount Shares Settings' section is also expanded, showing an empty table with the same headers. A sidebar on the right contains a 'Hints...' section with the following text:

The Network Shares page allows the user to configure shared folders and rights to specific users and groups.

- Hints...
The share name length cannot exceed 80 characters.

Recover deleted files from your Network Share by using the Network Recycle Bin option in the Network Share Setup wizard.

To add a Recycle Bin to a network share, check the Recycle check box in Step 3 "Network Share Setting" of the Network Share Setup wizard. In your computer's file system view, a recycle bin will appear in the network share and will contain any files deleted from the network share that can either be recovered or permanently deleted.

WebDAV allows files to be managed and edited over HTTP in a way that allows multiple users to collaborate. If the network that your ShareCenter is connected to, is using NAT, you will need to forward the port across your router for access over the internet.

If your network share(s) need to use the WebDAV protocol, turn it on by using the New or Modify button of the Network Share Setting. Then check the WebDAV box in Assign Privileges and Access Methods and when you return to the main screen a clickable Information Icon should appear under the WebDAV column next to the Network Share. Once the WebDAV protocol is available for the drive, make sure to turn on the WebDAV permissions for users and groups that will have access using WebDAV.

Mounting an ISO file located on your network shares provides file level access to the file and folder contents of the ISO file to users with access to the network share.

- Help...
The Network Shares page allows the user to configure shared folders and rights to specific users and groups. To be able to create new network access

The D-Link logo is visible in the bottom right corner of the page.

Adding New Network Shares Wizard

The following section will describe how to add a new Network Share on the ShareCenter. To add a Network Share click on the 'Add' button. An easy to configure wizard will launch and look like the following:

Start: This window welcomes the user to the setup wizard for adding or modifying a network share. This wizard will guide the user through the steps of setup.

In this wizard the user will be able to:

- 1) Select share folders.
- 2) Configure shared folder access rights.
- 3) Configure network access settings.
- 4) View a summary of the configuration before completing.

Click on the 'Next' button to continue.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.

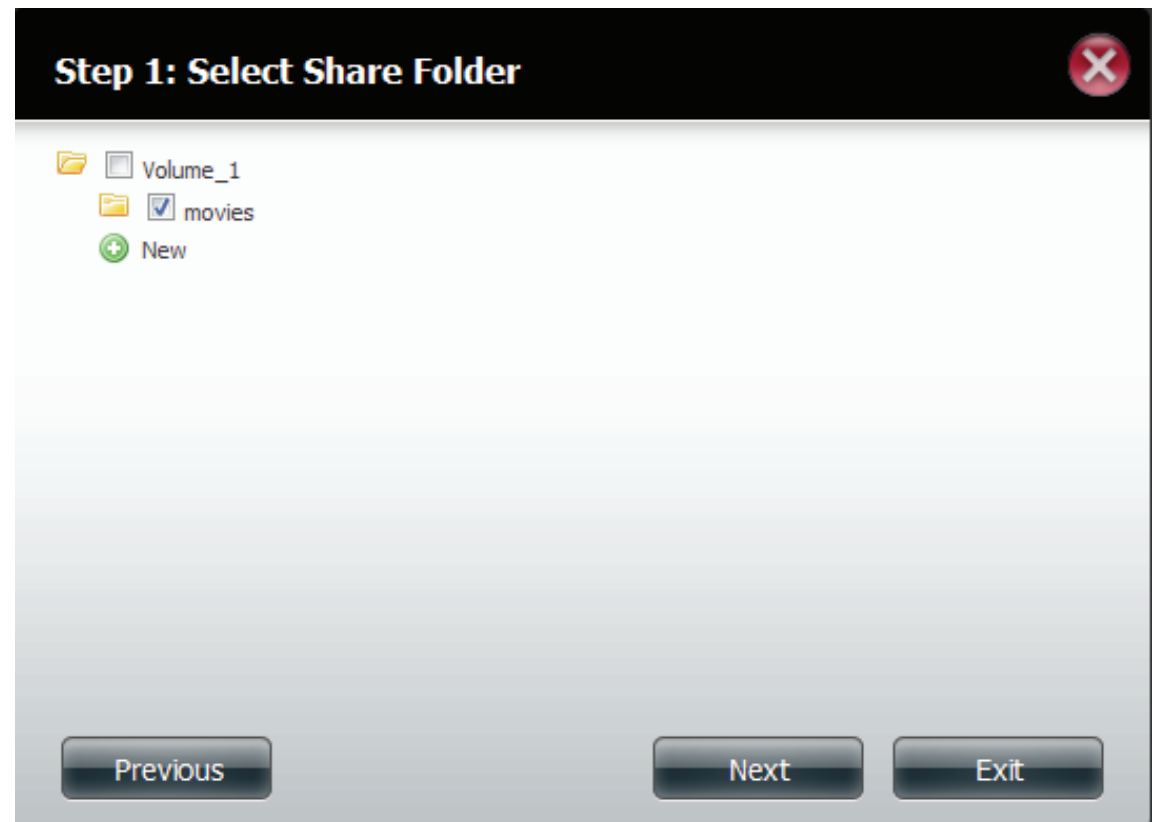
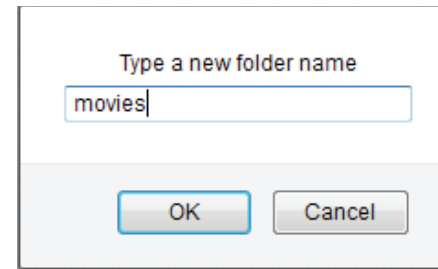


Select the appropriate folder to include in this network share by ticking the respective folder. You can also create a new folder by clicking the plus button. Enter the new Folder name and select it to choose it.

Click on the **'Previous'** button to return to the previous window.

Click on the **'Next'** button to accept the change and continue to the next window.

Click on the **'Exit'** button to discard the changes made and return to the Network Shares Page.

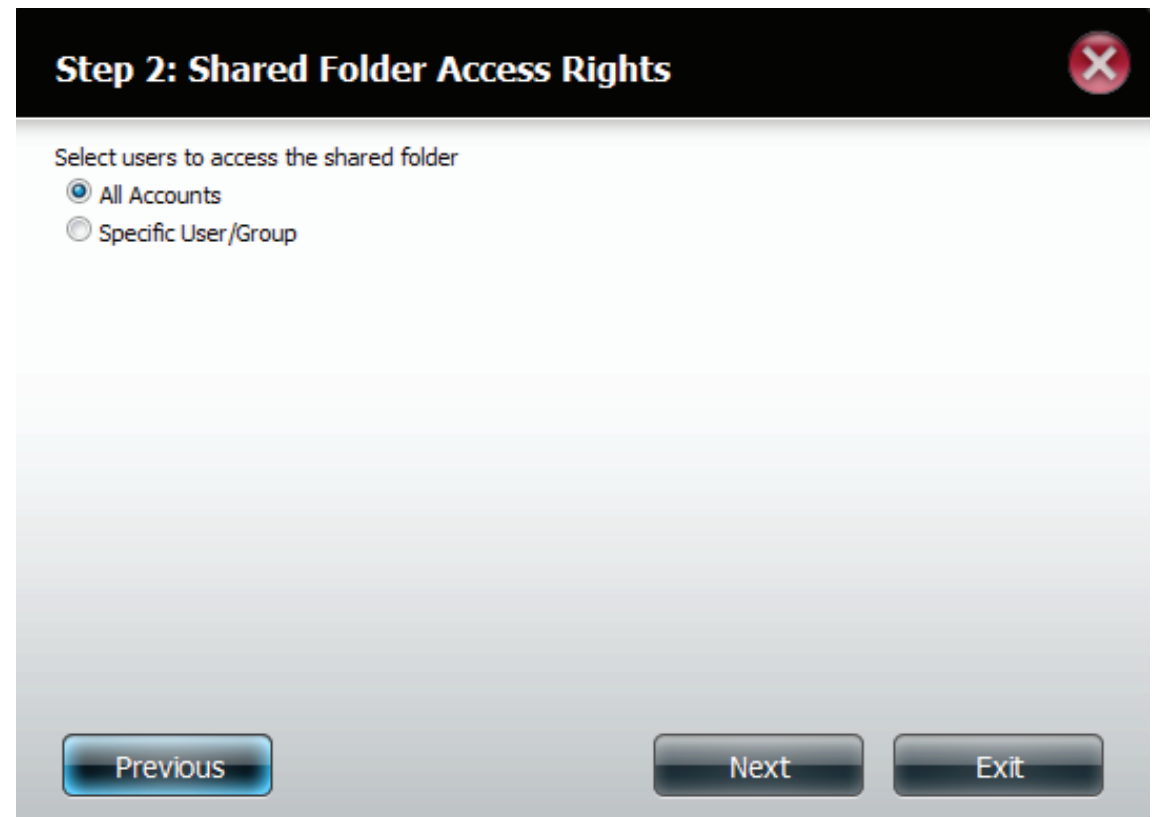


Choose which user accounts or group are allowed to access this folder(s). Select 'All account' to allow access to this folder to all the accounts. Select 'Specific User/group' to only allow certain users or groups access to this folder.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.

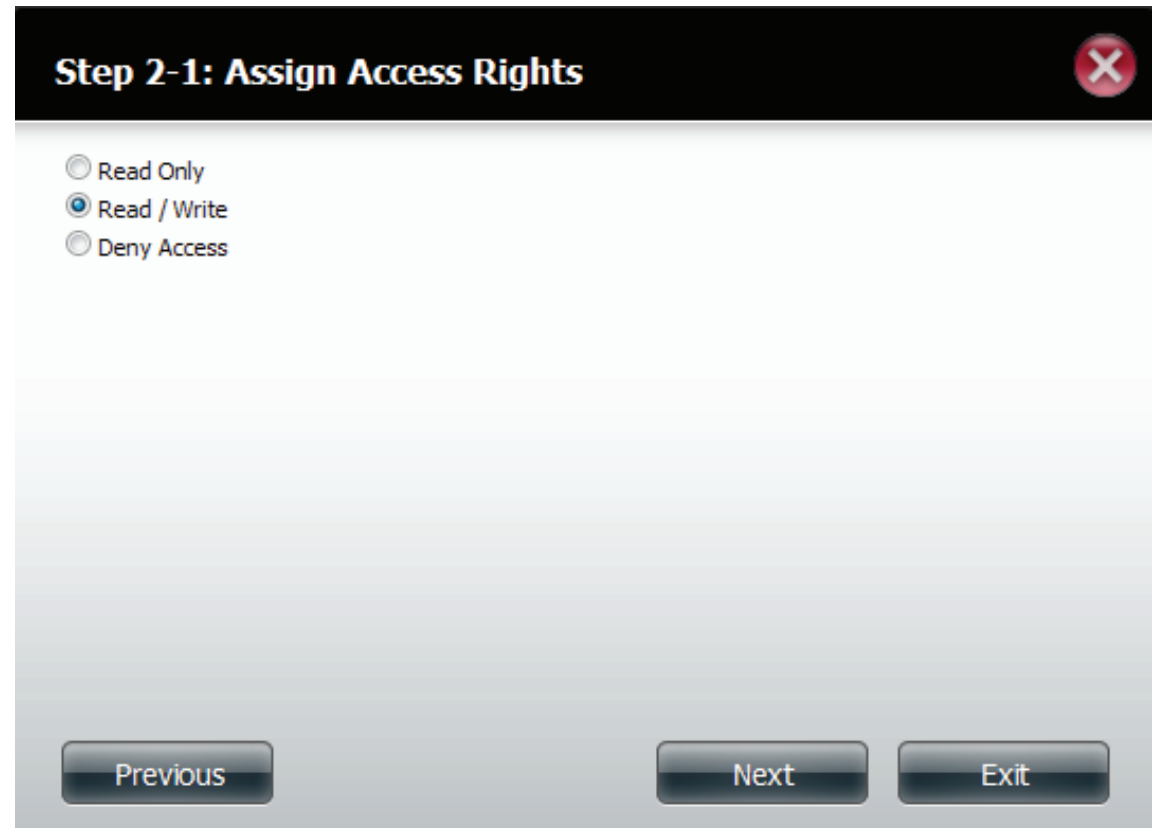


Select the appropriate access rights for the share. Options to choose from are 'Read Only', 'Read Write' and 'Deny Access'. This procedure can also be used to block certain users from accessing certain folders.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.



Select the Network Share Settings. Edit the Oplocks, Comments, and/or recycle.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.

Share Name	Oplocks	Map Archive	Comment	Recycle
movies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	mpg	<input checked="" type="checkbox"/>

Previous Next Exit

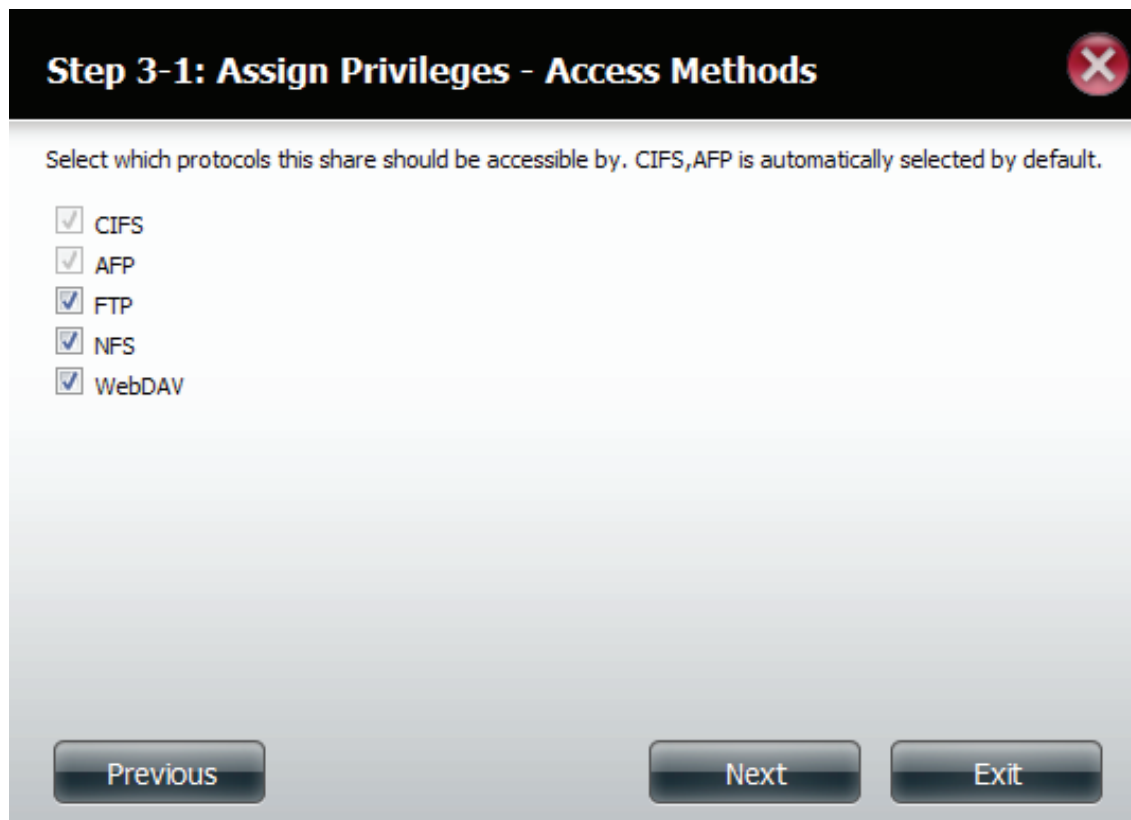
Assign more protocol privileges that a user can use to access this share. Options to choose from are FTP, NFS and WebDAV. CIFS and AFP are set as default.

- **CIFS** is short for Common Internet File System.
- **AFP** is short for Apple Filing Protocol.
- **FTP** is short for File Transfer Protocol
- **NFS** is short for Network File System.
- **WebDAV** is short for **Web-based Distributed Authoring and Versioning**.

Click on the 'Previous' button to return to the previous window.

Click on the 'Next' button to accept the change and continue to the next window.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.



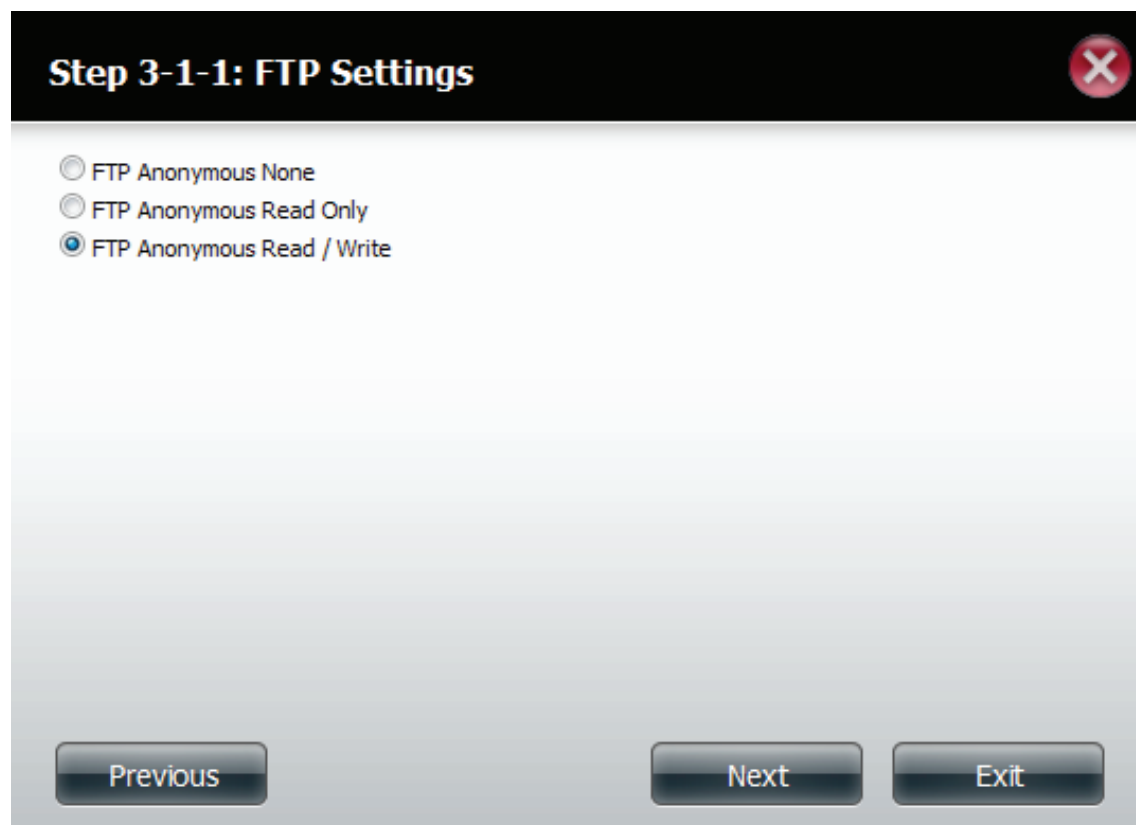
Configure the FTP settings for this share. FTP access can be:

- 1) FTP Anonymous None (No Access).
- 2) FTP Anonymous Read Only (Limited Access).
- 3) FTP Anonymous Read/Write (Full Access).

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.



If you checked NFS as an access method to your network share then this step allows you to set the parameters below:

- **Host** - Allowable host address that can access using NFS (* indicates all hosts)
- **Root Squash** - Disables writing to the Root owned directories and files on the system when the user has root access privileges.
- **Write** - provide write permission to the file system.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.

Share Name	Host	Root Squash	Write
movies	localhost	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Previous Next Exit

Enter the Read or Read/Write privileges on the WebDAV settings

Click on the '**Previous**' button to return to the previous window.

Click on the '**Next**' button to accept the change and continue to the next window.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.

Share Name	Read Only	Read / Write
movies	<input type="checkbox"/>	<input checked="" type="checkbox"/>

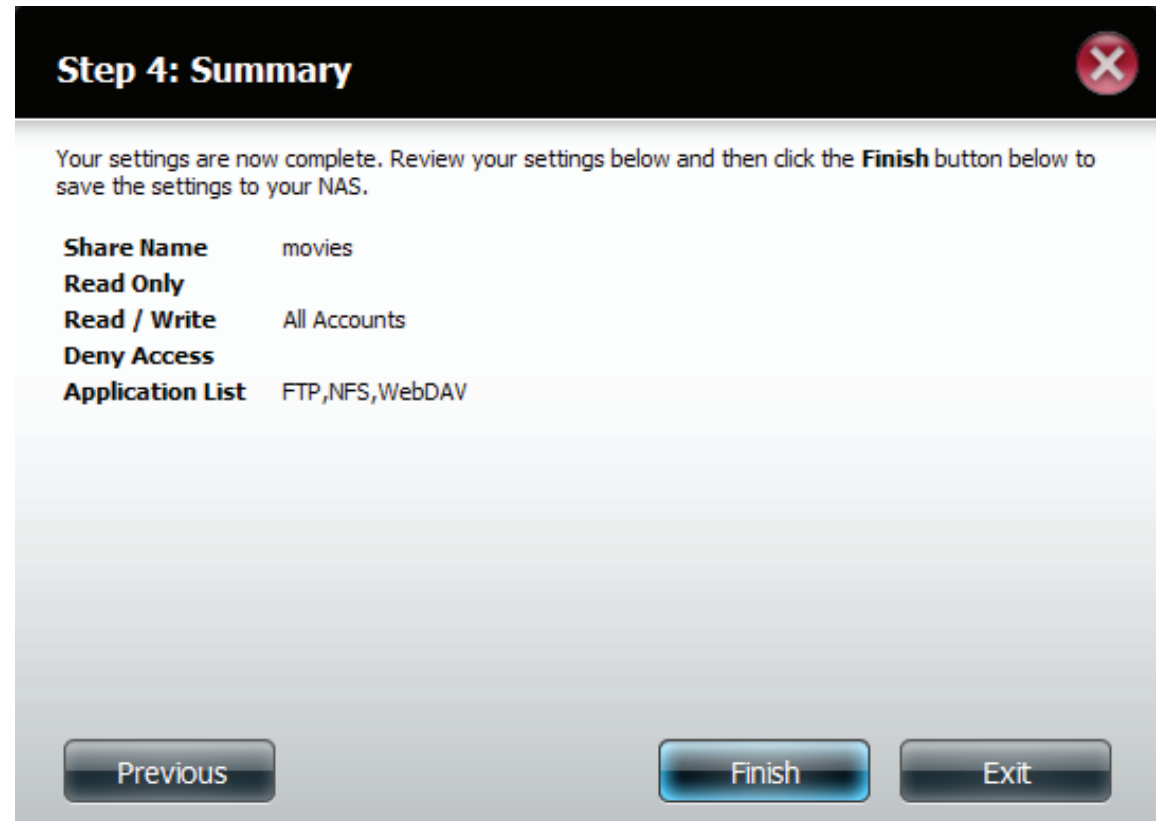
Previous Next Exit

View a summary of the share created.

Click on the '**Previous**' button to return to the previous window.

Click on the '**Finish**' button to accept the change and complete the wizard.

Click on the '**Exit**' button to discard the changes made and return to the Network Shares Page.



Once you have clicked the Finish button you will be redirected to the main Network Shares Settings screen. Here you have a brief setup of all the options in the table.

The screenshot shows the D-Link ShareCenter Management interface. The main navigation bar includes 'My Favorites', 'Applications', and 'Management'. Below this, there are icons for Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status. The 'Account Management' section is expanded, showing 'Users / Groups', 'Quotas', 'Network Shares', and 'Admin Password'. The 'Network Shares Settings' section is active, displaying a table of network shares and a sidebar with help text.

Share Name	Path	CIFS	FTP	NFS	WebDAV
Volume_1	Volume_1	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>
movies	Volume_1/movies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The sidebar on the right contains the following text:

The Network Shares page allows the user to configure shared folders and rights to specific users and groups.

- Hints...**
The share name length cannot exceed 80 characters.

Recover deleted files from your Network Share by using the Network Recycle Bin option in the Network Share Setup wizard.

To add a Recycle Bin to a network share, check the Recycle check box in Step 3 'Network Share Setting' of the Network Share Setup wizard. In your computer's file system view, a recycle bin will appear in the network share and will contain any files deleted from the network share that can either be recovered or permanently deleted.

WebDAV allows files to be managed and edited over HTTP in a way that allows multiple users to collaborate. If the network that your ShareCenter is connected to is using NAT, you will need to forward the port across your router for access over the internet.

If your network share(s) need to use the WebDAV protocol, turn it on by using the New or Modify button of the Network Share Setting. Then check the WebDAV box in Assign Privileges and Access Methods and when you return to the main screen a double Information icon should appear under the WebDAV column next to the Network Share. Once the WebDAV protocol is available for the drive, make sure to turn on the WebDAV permissions for users and groups that will have access using WebDAV.

Mounting an ISO file located on your network shares provides file level access to the file and folder contents of the ISO file to users with access to the network share.

- Help...**
The Network Shares page allows the

D-Link

Adding New ISO Mount Shares Wizard

The following section will describe how to add a new ISO mount on the ShareCenter. To add an ISO Mount click on the 'New' button. A easy to configure wizard will be launched and look like the following:

In Account Management, under Network Shares, the section ISO Mount Shares Settings allows the user to add new ISO mounts.

The Network Shares page allows the user to configure shared folders and rights to specific users and groups.

- Hints...
The share name length cannot exceed 80 characters.

Recover deleted files from your Network Share by using the Network Recycle Bin option in the Network Share Setup wizard.

To add a Recycle Bin to a network share, check the Recycle check box in Step 3 "Network Share Setting" of the Network Share Setup wizard. In your computer's file system view, a recycle bin will appear in the network share and will contain any files deleted from the network share that can either be recovered or permanently deleted.

WebDAV allows files to be managed and edited over HTTP in a way that allows multiple users to collaborate. If the network that your ShareCenter is connected to is using NAT, you will need to forward the port across your router for access over the internet.

If your network share(s) need to use the WebDAV protocol, turn it on by using the New or Modify button of the Network Share Setting. Then check the WebDAV box in Assign Privileges and Access Methods and when you return to the main screen a clickable Information Icon should appear under the WebDAV column next to the Network Share. Once the WebDAV protocol is available for the drive, make sure to turn on the WebDAV permissions for users and groups that will have access using WebDAV.

Mounting an ISO file located on your network shares provides file level access to the file and folder contents of the ISO file to users with access to the network share.

- Help...
The Network Shares page allows the user to configure shared folders and rights to specific users and groups. To be able to create new network access

D-Link

Start: This window welcomes the user to the setup wizard for creating a new ISO mounted share. This wizard will guide the user through the steps of setup.

In this wizard the user will be able to:

- 1) Select an ISO file.
- 2) Share folder access rights.
- 3) Configure network access settings.
- 4) View a summary of the configuration before completing.

Click on the 'Next' button to continue.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.

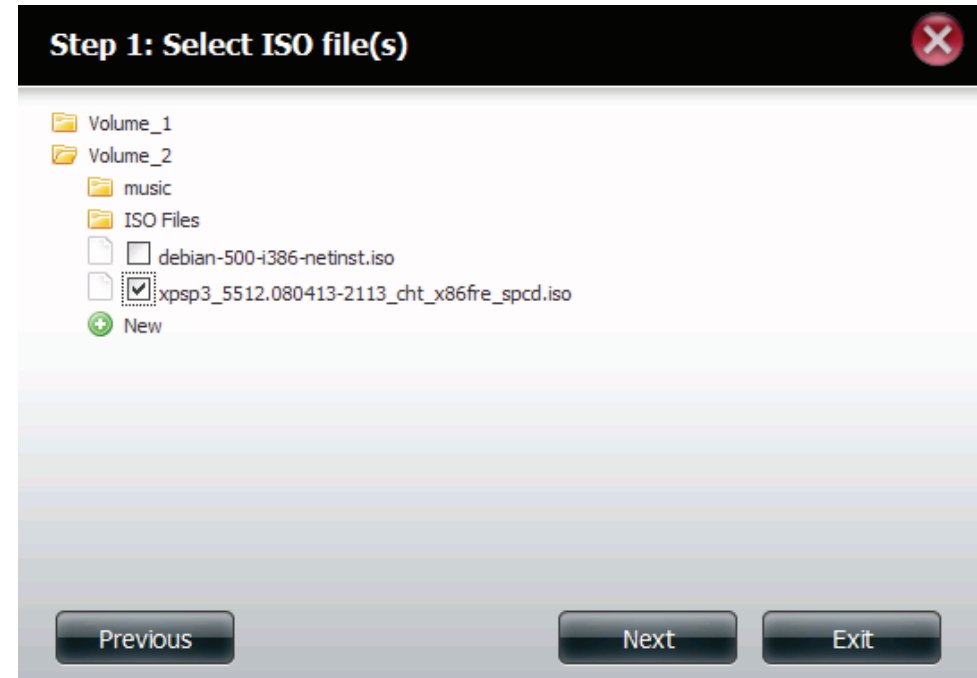
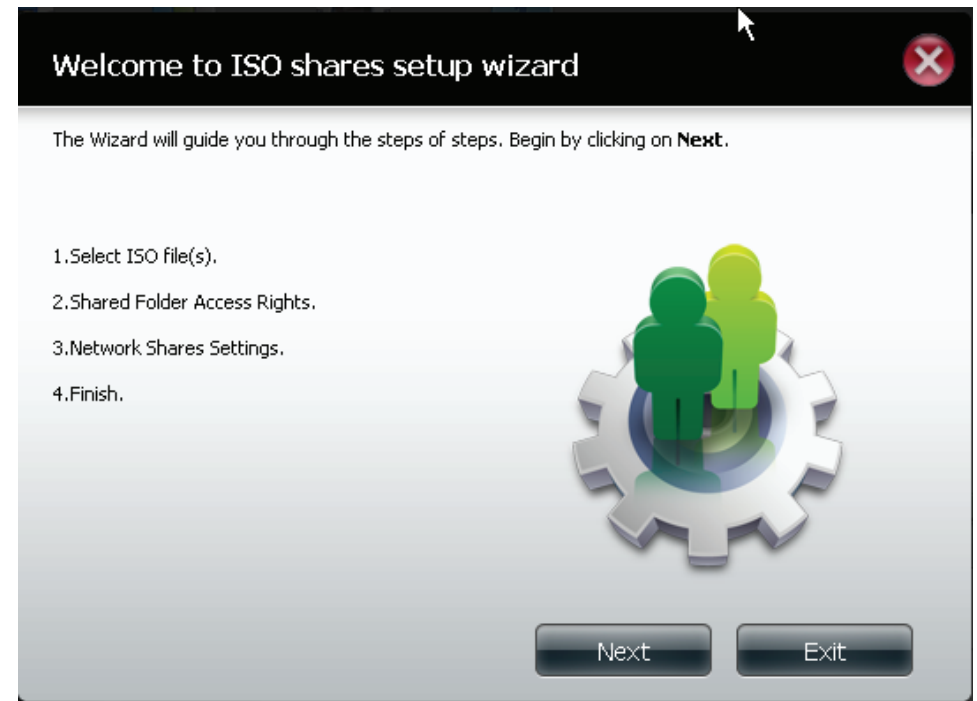
Step 1: Expand one of your Volume File System trees to select the desired .iso file to be mounted.

Check the box to the left of the .iso file to select it.

Click on the 'Previous' button to return to the previous window.

Click on the 'Next' button to accept the change and continue to the next window.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.



Step 2: Assign access privileges to this ISO Mount share.

- Select All Accounts to assign the ISO Mount share read/deny privileges to all users.
- Select Specific User/Group in order to assign read/deny privileges to individual users and groups.

Click on the 'Previous' button to return to the previous window.

Click on the 'Next' button to accept the change and continue to the next window.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.

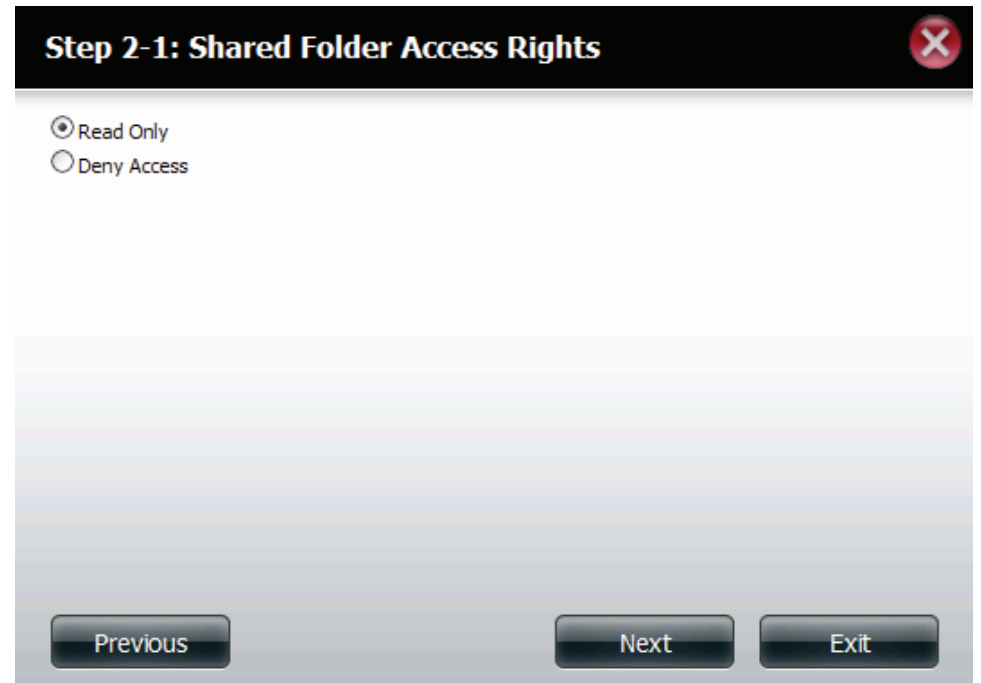


Step 2.1: The user can assign Read Only or Deny Access privileges to the ISO Mount share here. Click on the appropriate radio button for the privileges you would like to assign.

Click on the 'Previous' button to return to the previous window.

Click on the 'Next' button to accept the change and continue to the next window.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.



Step 3: Add a comment that describes the ISO Mount Share.

Click on the 'Previous' button to return to the previous window.

Click on the 'Next' button to accept the change and continue to the next window.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.

Share Name	Comment
xpsp3_5512.080413-2113_cht_x86fre_spcd	OS installer

Previous Next Exit

Step 3.1: Assign more protocol privileges that a user can use to access this share. Options to choose from are FTP, NFS and WebDAV. CIFS and AFP are set as default.

- CIFS is short for Common Internet File System.
- AFP is short for Apple Filing Protocol.
- FTP is short for File Transfer Protocol
- NFS is short for Network File System.
- WebDAV is short for Web-based Distributed Authoring and Versioning.

Click on the 'Previous' button to return to the previous window.

Click on the 'Next' button to accept the change and continue to the next window.

Click on the 'Exit' button to discard the changes made and return to the Network Shares Page.

Select which protocols this share should be accessible by. CIFS,AFP is automatically selected by default.

- CIFS
- AFP
- FTP
- NFS
- WebDAV

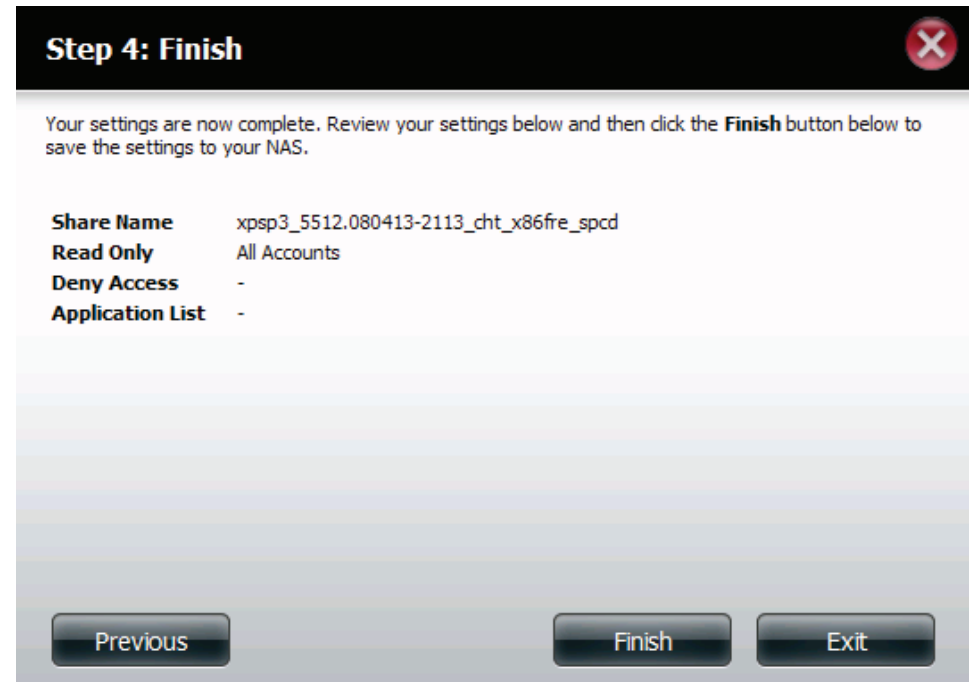
Previous Next Exit

Step 4: Here the user view a summary of the share created.

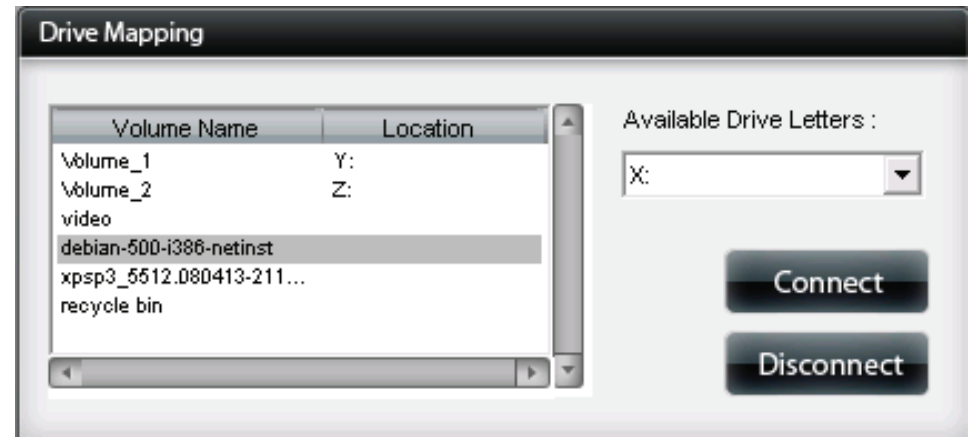
Click on the **'Previous'** button to return to the previous window.

Click on the **'Finsh'** button to accept the change and complete the wizard.

Click on the **'Exit'** button to discard the changes made and return to the Network Shares Page..



Step 5: Using the D-Link Storage Utility the ISO Mount Share can now be mapped to your computer so that you can access it and the files within it as a normal network share is accessed.



Account Management - Admin Password

- Username** This field cannot be modified as the administrator always uses the admin username.
- Password** Input the existing admin password.
- New Password** Input the new admin password.
- Confirm Password** Repeat the new admin password.

▼ Administrator Settings

User Name

Password

New Password

Confirm Password

Save Settings

Don't Save Settings

Network Management - LAN Setup

The LAN Settings allows you to enable LLTD and to configure the Link Speed and the IP address as a DHCP client or Static IP.

ShareCenter™ by D-Link

Welcome, admin [Log out]

My Favorites Applications Management

Setup Wizard Disk Management Account Management Network Management Application Management System Management System Status

Network Management

LAN Setup

Dynamic DNS

Port Forwarding

LAN Settings

Setup

Interface	IP Address	Gateway IP Address	Subnet Mask	DNS1	DNS2	Mode
LAN	192.168.0.103	192.168.0.1	255.255.255.0	192.168.0.1	-	DHCP Client

Link Speed Settings

Link Speed: Auto

Save Settings Don't Save Settings

LLTD Settings

LLTD: Enable Disable

Save Settings Don't Save Settings

Hints...

A Static IP is recommended if you will be using the FTP server. When a computer is physically moved to another location, it can stay on the same VLAN without any hardware reconfiguration. Set LAN1 and LAN2 to different domain to separate the network into two different segments to balance the network loading. And aggregate the two LAN ports in parallel to take advantage of increasing the link speed beyond the limits of any one single cable or port, and to increase the redundancy for higher availability.

Help...

LAN Settings

DHCP Client (Obtain IP Address from a DHCP server)

By selecting 'DHCP Client', the ShareCenter will act as a DHCP client and obtain its LAN IP settings from the DHCP (Dynamic Host Configuration Protocol) server on the local network. By default, the ShareCenter is set to obtain an IP address from a DHCP server on your network. If a DHCP server is not available, the ShareCenter will set an IP address of 169.254.x.x with a subnet mask of 255.255.0.0 and will periodically search for a DHCP server on the network.

Static IP (Assign a Fixed IP Address, Subnet Mask, Gateway IP Address, DNS1 and DNS2)

If necessary, you can assign a static IP address to the ShareCenter. The IP address of each device on the local area network must be within the same IP address range and subnet mask. For a small subnet with less than 253 IP addresses assigned (e.g. Class C private

D-Link

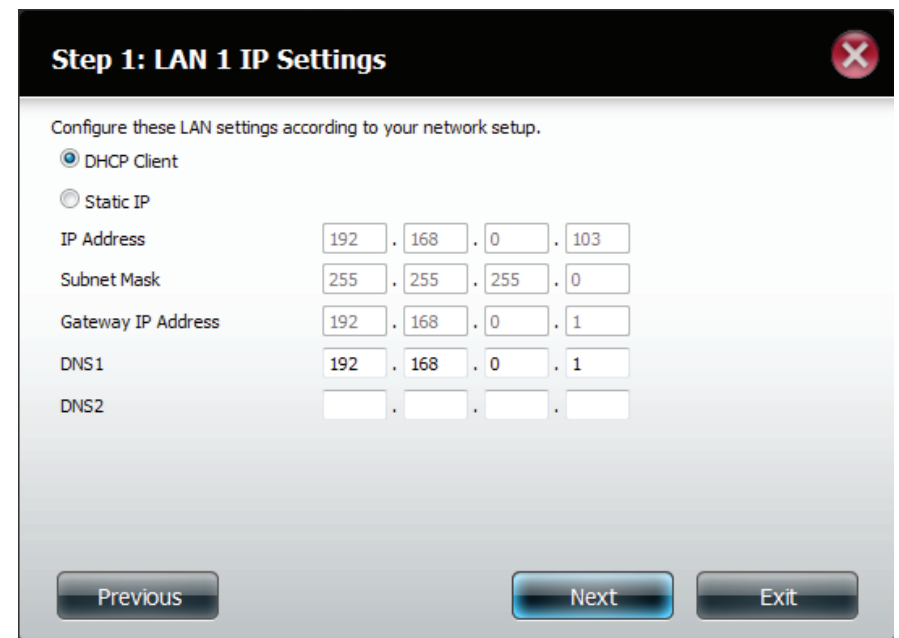
Network Management - LAN Setup

Step 1: Under **Network Management, LAN Setup, LAN Settings**, click **Setup**.

The **LAN Setup Wizard** initiates. Here you can setup the **LAN Settings**. Click **Next** to continue.

Step 2: In Step 1, you can choose between DHCP or Static IP. In DHCP the router automatically generates your IP Address. In Static IP you may enter your own parameters.

Select either DHCP or Static IP.



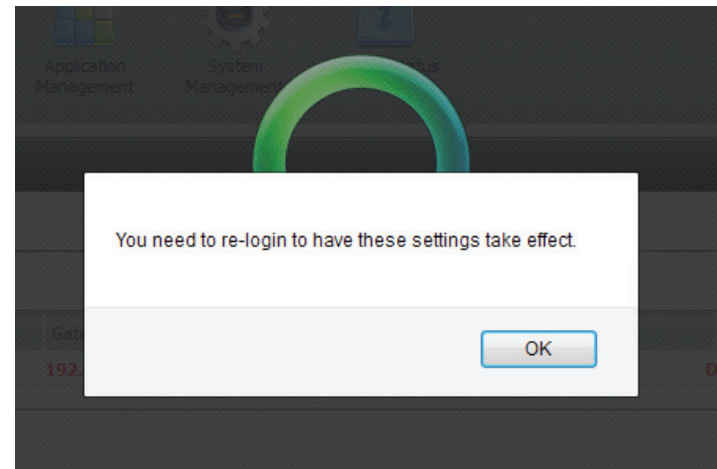
Step 5: Here is the summary of the **Static IP** settings.

Click **Finish** to complete the setup.



Step 6: You are prompted to restart your DNS-315.

Click **OK** to continue.



Network Management - Link Speed Settings

Speed Displays the current ethernet bit rate in Mega bits per second.

Link Speed Select either Auto (Auto-Negotiate), 100 Mbps, or 1000 Mbps by clicking the appropriate radio button. Then click the Save Settings button to save the new settings.

The screenshot shows the D-Link ShareCenter web interface in a Firefox browser window. The URL is <http://192.168.0.103/web/management.html?id=network&v=1318928745656>. The interface is titled "ShareCenter™ by D-Link" and includes a navigation menu with "My Favorites", "Applications", and "Management". The "Management" section is active, showing various management tools like Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status. The "Network Management" section is expanded, showing "LAN Setup", "Dynamic DNS", and "Port Forwarding". The "LAN Settings" section is active, displaying a table of LAN settings and options for "Link Speed Settings" and "LLTD Settings".

Interface	IP Address	Gateway IP Address	Subnet Mask	DNS1	DNS2	Mode
LAN	192.168.0.103	192.168.0.1	255.255.255.0	192.168.0.1	-	DHCP Client

Link Speed Settings

Link Speed: Auto 100 1000

LLTD Settings

LLTD: Enable Disable

Hints...

A Static IP is recommended if you will be using the FTP server. When a computer is physically moved to another location, it can stay on the same VLAN without any hardware reconfiguration. Set LAN1 and LAN2 to different domain to separate the network into two different segments to balance the network loading. And aggregate the two LAN ports in parallel to take advantage of increasing the link speed beyond the limits of any one single cable or port, and to increase the redundancy for higher availability.

Help...

LAN Settings

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Static IP (Assign a Fixed IP Address, Subnet Mask, Gateway IP Address, DNS1 and DNS2)

If necessary, you can assign a static IP address to the ShareCenter. The IP address of each device on the local area network must be within the same IP address range and subnet mask. For a small subnet with less than 253 IP addresses assigned (e.g. Class C private

D-Link

Network Management - LLTD Settings

LLTD The ShareCenter supports LLTD (Link Layer Topology Discovery) and is used by the Network Map application that is included in Windows Vista™ and Windows 7™.

Select to enable or disable LLTD on your ShareCenter .

The screenshot shows the D-Link ShareCenter Network Management web interface. The 'Management' tab is selected, and the 'Network Management' section is active. The 'LLTD Settings' section is expanded, showing the 'LLTD' option set to 'Enable'. The 'LAN Settings' section is also expanded, showing a table with the following data:

Interface	IP Address	Gateway IP Address	Subnet Mask	DNS1	DNS2	Mode
LAN	192.168.0.103	192.168.0.1	255.255.255.0	192.168.0.1	-	DHCP Client

The interface also includes sections for 'Link Speed Settings' (set to 'Auto') and 'Hints...' (providing information about static IP and LAN aggregation). The D-Link logo is visible in the bottom right corner.

Network Management - Dynamic DNS Settings

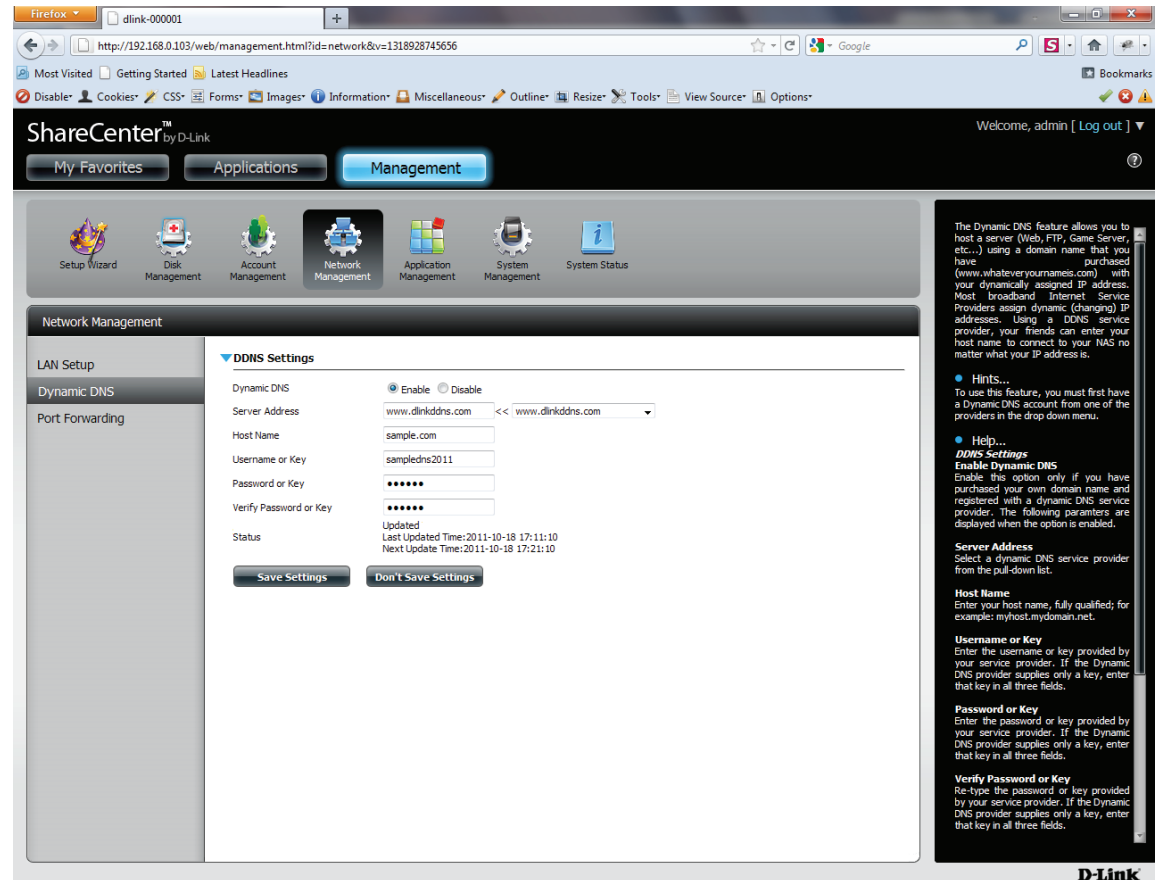
The DDNS feature allows the user to host a server (Web, FTP, Game Server, etc...) using a domain name that you have purchased (www.whateveryournameis.com) with your dynamically assigned IP address. Most broadband Internet Service Providers assign dynamic (changing) IP addresses. Using a DDNS service provider, your friends can enter your domain name to connect to your server regardless of your IP address..

DDNS Settings

- 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 or Key** Re-enter your password or key.
- Status** Displays your DDNS status.

When the user clicks on the 'Sign up for D-Link's Free DDNS service at www.DLinkDDNS.com' link, the user will be re-directed to the D-Link DDNS page.

Here the user can create or modify a D-Link DDNS account to use in this configuration.

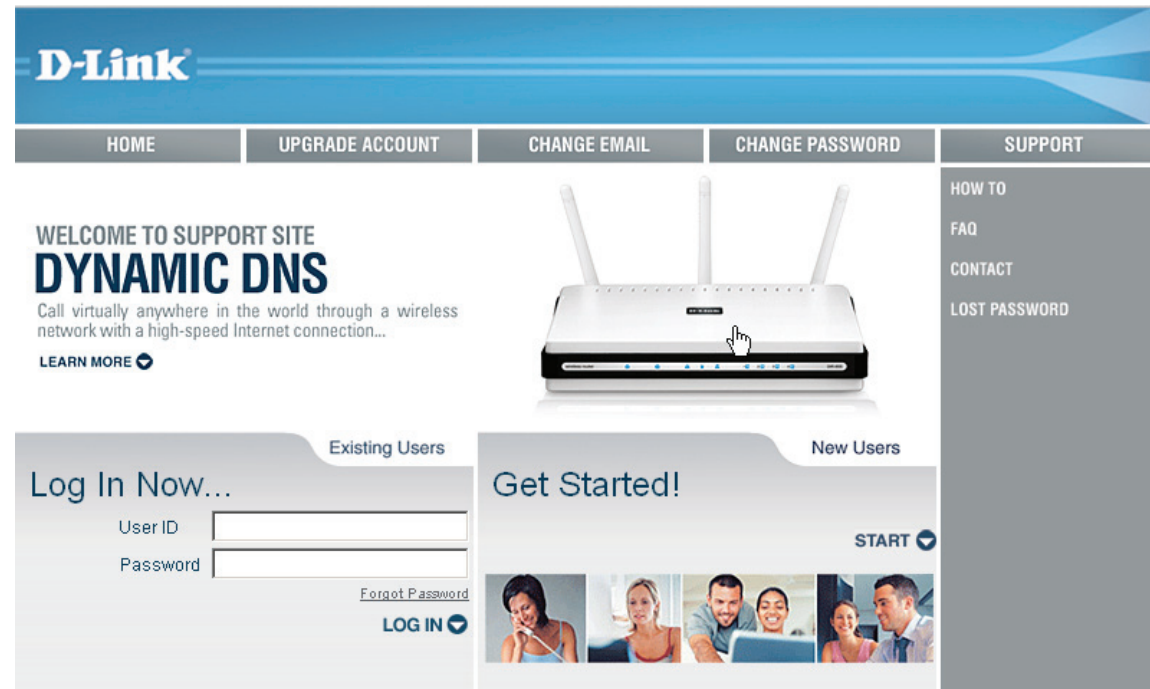


Network Management - Dynamic DNS Providers

DDNS Providers Include:



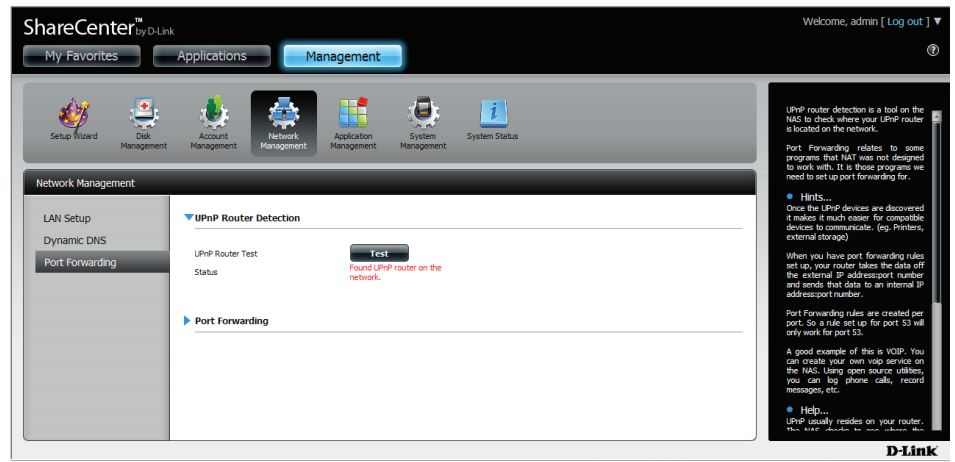
At the time this manual was written, all free dns providers as illustrated above worked smoothly with the DNS-315.



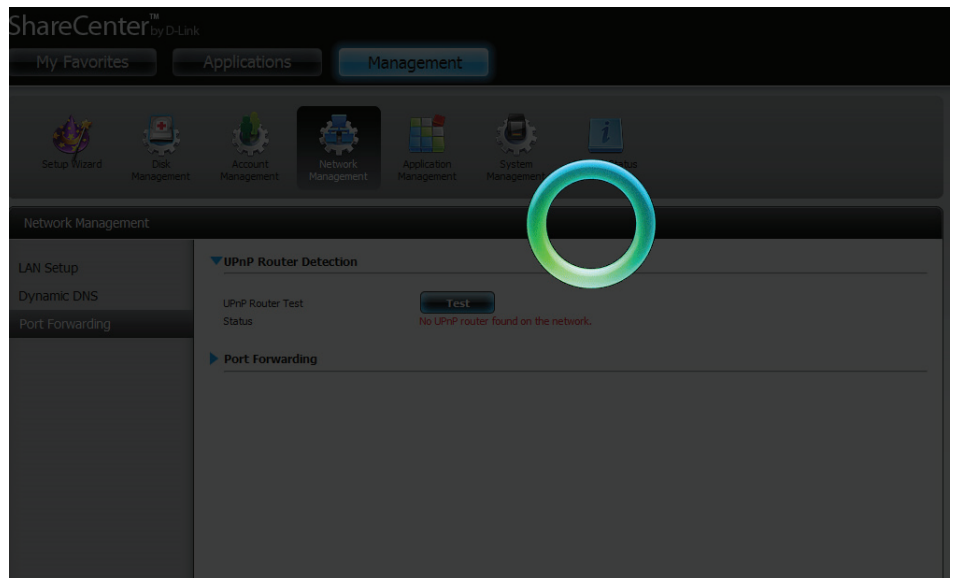
Network Management - UPnP Router Detection

Configures UPnP router detection and Port Forwarding. Configure UPnP router detection only if you have a UPnP router on your network.

Login, select Network Management. Click the blue button to reveal the UPnP router settings. Click **Test** to run search.



Do not turn your NAS off at this stage. The DNS-315 is searching for the router.

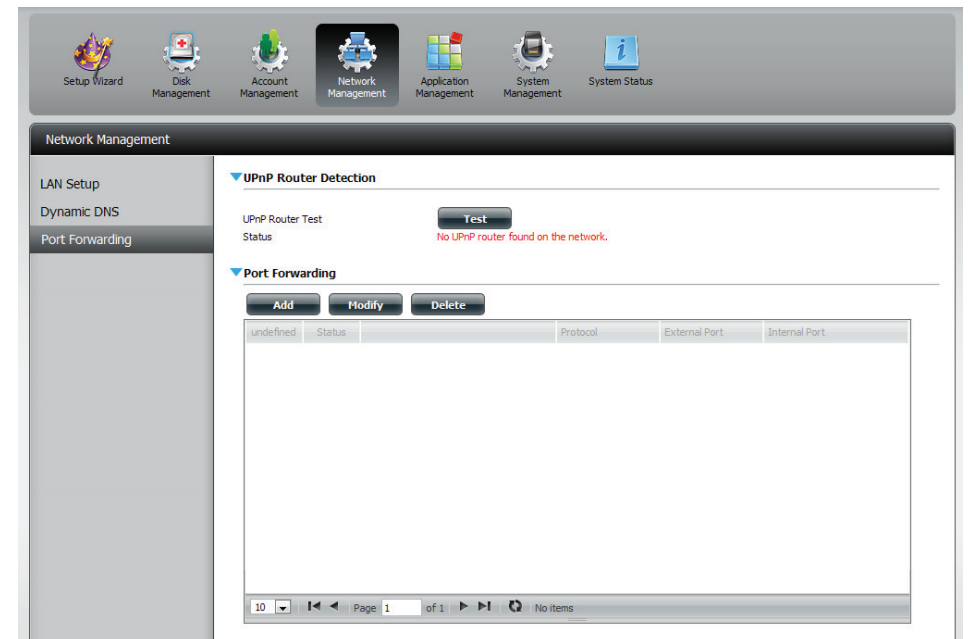


Network Management - UPnP Router Detection

The wizard finds the UPnP router on the network



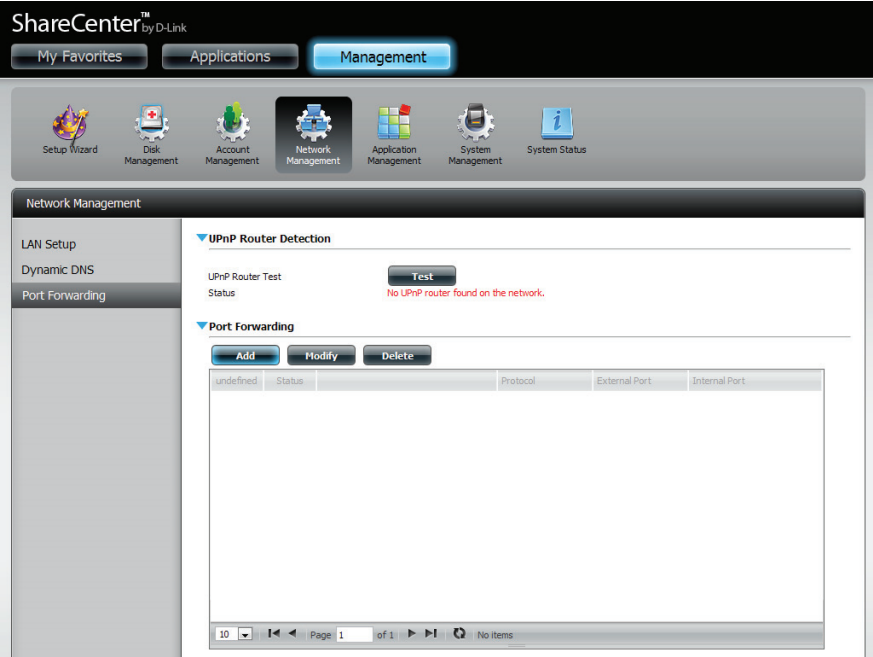
Click the blue arrow to reveal the Port Forwarding options



Network Management - Port Forwarding

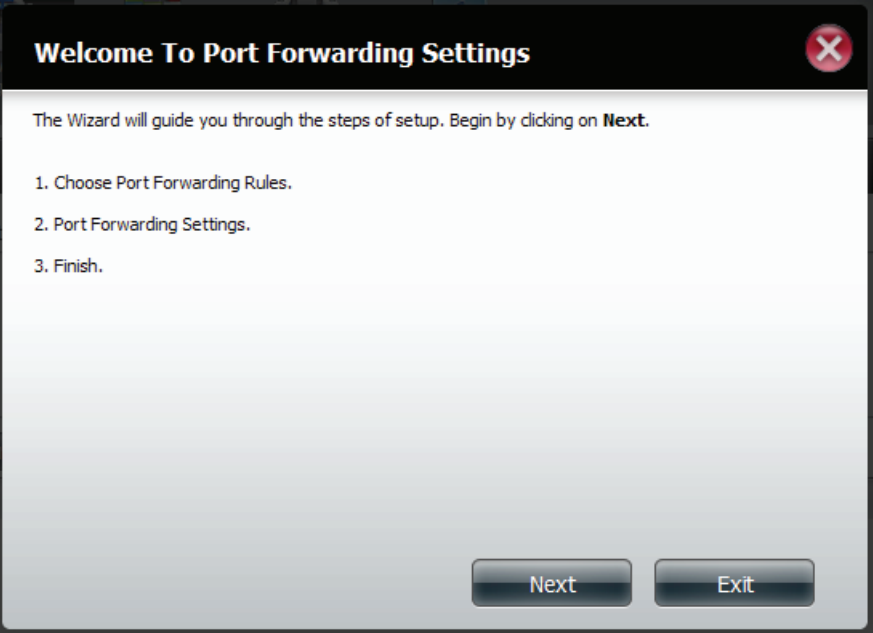
Login, select **Network Management**. Click the blue arrow to reveal Port Forwarding settings.

Click **Add**.



The **Port Forwarding** wizard starts.

Click **Next** to continue.



Network Management - Port Forwarding

In **Step 1**, select the **Port Forwarding Rule**

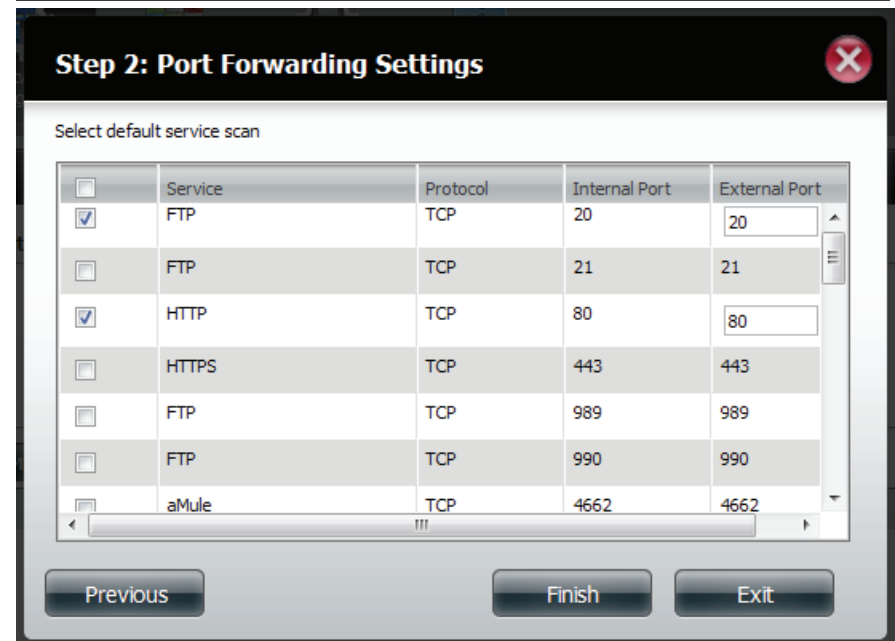
Click the radio button, Select **default service scan**

or click the radio button, Custom a **Port Forwarding** service.

Click **Next** to continue.

Select the default service you wish to **Port Forward**. You can select more than one port.

Click **Previous** to change the **Port Forward Rule** or **Finish** to end the wizard.



Application Management - FTP Server

The ShareCenter is equipped with a built in FTP Server. The server is easy to configure and 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 ShareCenter simultaneously.

Max. User Set the maximum amount of users that can connect to the FTP server.

Idle Time Set the amount of time a user can remain idle before being disconnected.

Port Set the FTP port. Default is 21.

Passive Mode In situations where the device is behind a firewall and unable to accept incoming TCP connections, passive mode must be used.

Client Language Most standard FTP clients like Windows FTP, only support Western European code page when transferring files. Support has been added for non standard FTP clients that are capable of supporting these character sets.

Flow Control Allow you to limit the amount of bandwidth available for each user.

SSL/TLS Here the user can enable the SSL/TLS connection only.

FXP Enable or Disable File eXchange Protocol to transfer files from one FTP server to another.

Please Note: In order to use FXP (File Exchange Protocol) for server-to-server data transfer, make sure to change the port from 21 to some other port as listed in the Port section of the Web UI. Also, make sure to open the corresponding port on your router and forward that port from your router to the ShareCenter Shadow.

Application Management - FTP Server Settings Window

Application Management

FTP Server

UPnP AV Server

iTunes Server

AFP Service

NFS Service

▼ FTP Server Settings

Max Users: 10

Idle Time: 10 (1~10 Minutes)

Port: 21 (1025 to 3688, 3690 to 49999, 65501 to 65535, Default: 21)

Passive Mode

Use the default port range (55536-55663)

Use the following port range: 55536 ~ 55663

Report external IP in PASV mode

External IP: 0 . 0 . 0 . 0

Client Language: ISO8859-1 << Western European (ISO8859-1)

Flow Control: Unlimited [] x 10 KBs

SSL/TLS: Allow SSL/TLS connection only

FXP: Enable Disable

Save Settings Don't Save Settings

Once you have configured the FTP server to your liking, click "Save Settings". Below the main window there is a section to block specific IP addresses. Enter those IP addresses that you wish to deny access to your FTP server. Click the "New" button



Application Management - Blocked IP addresses

Enter the IP address you wish to block, select whether you want this to be a permanent or temporary selection, and choose from the drop-down list how long you wish to block the IP (5 minutes, 30 minutes, 1 hour, or 1 day).

Click "Apply" when done.

The IP address will show in the table "Block IP List".

Select the IP address if you wish to delete it (the selection turns "red") and click the "Delete" button.

FTP Server Block IP Add

IP: 10 . 50 . 100 . 99

Block Duration: Permanent Temporary

Block IP for: 1 Day

Apply Exit

Block IP List

New Delete

NO.	IP	Permanent	Release Date	Auto-Blocked
1	10.10.1.98	Block Duration	01/07/11 11:43	-

10 Page 1 of 1 Displaying 1 to 1 of 1 items

Application Management - FTP Server Status Report

The third window under Application Management > FTP Server, is the FTP Server Status report. This is a summary of the FTP on/off status, which port it is using, the maximum users accessing the device, its flow control, the idle time for the server, the language supported, whether SSL is enabled/disabled, and the passive mode settings.

To stop the FTP server, click the “Stop FTP Server” button.



▼ FTP Server Status

Status	Started
Port	21
Max Users	10
Flow Control	Unlimited
Idle Time	10
Client Language	Western European
Allow SSL/TLS connection only	No
Passive Mode	55536~55663



Application Management - UPnP AV Server

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

Click the 'Refresh All' button to update all the shared files and folder lists.

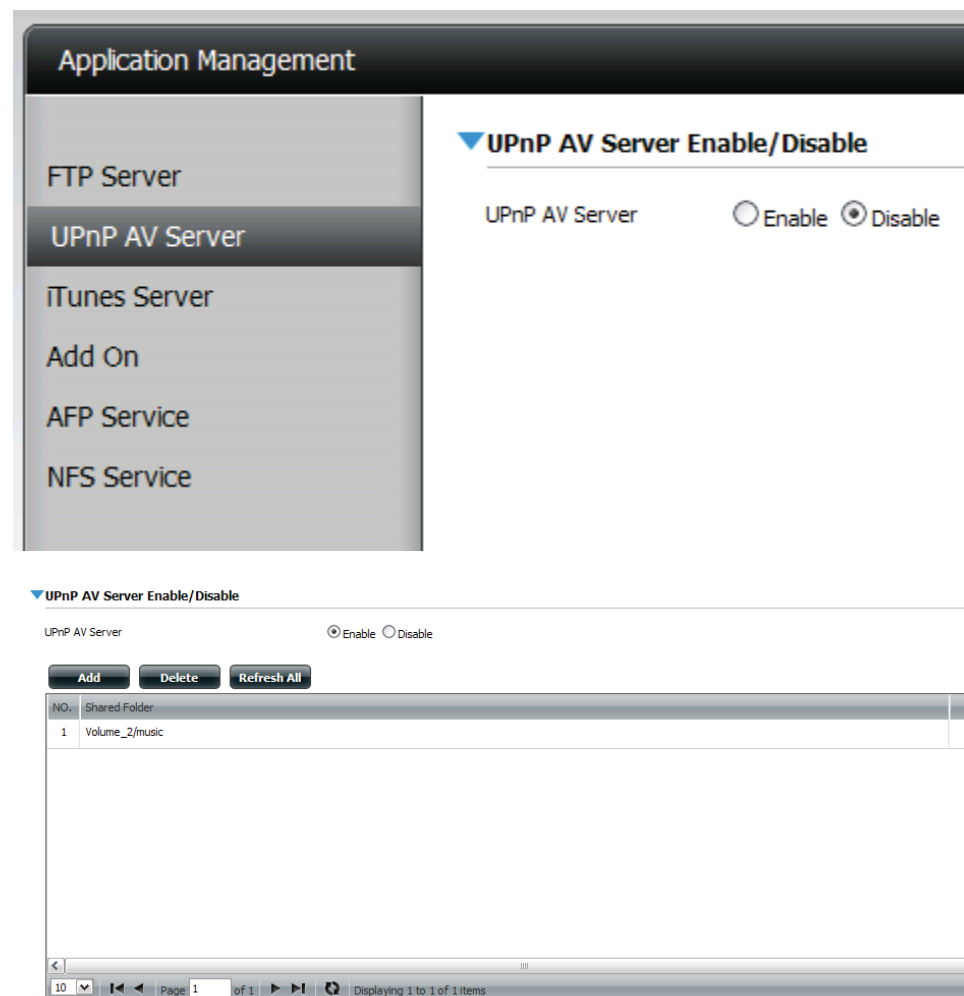
UPnP AV Server Select Enable or Disable to enable or disable the ShareCenter UPnP AV Server.

After enabling the UPnP AV Server option, the following window will appear.

In the window the user will be able to add, delete and view existing UPnP AV Server shared folders.

Add, Delete To add a new folder to the shared list, click on the Add button. To delete an existing folder, click on the Delete button. To refresh the list, click on the Refresh button.

Refresh All The Refresh button allows the user to update the files and folders of a selected share..



Application Management - AV Server

Application Management

FTP Server

UPnP AV Server

iTunes Server

AFP Service

NFS Service

UPnP AV Server Enable/Disable

UPnP AV Server Enable Disable

Add **Delete** **Refresh All**

NO.	Shared Folder	State
-----	---------------	-------

10 Page 1 of 1 No items

Click "Enable"

Add



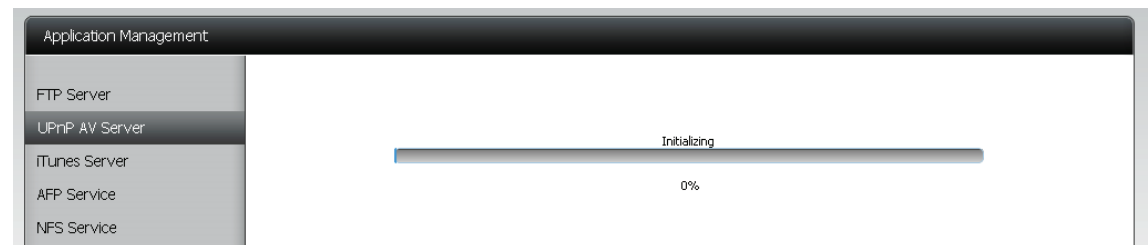
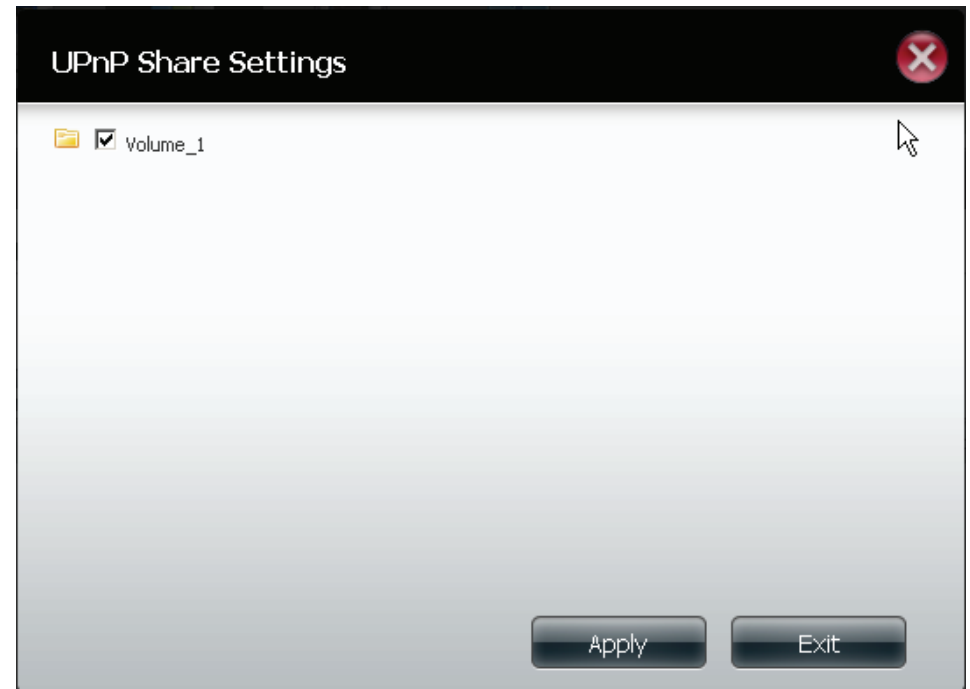
Application Management - UPnP AV Server

Select the volume you want to share and click “Apply”.

The system initializes the file/folder.

A confirmation box appears confirming a positive result. Click “OK”.

To delete a share, just select the item (it turns red) and click the “Delete” button.



Application Management - iTunes Server

The ShareCenter 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 ShareCenter 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. Click the 'Refresh' button to manually update the shared files and folders.

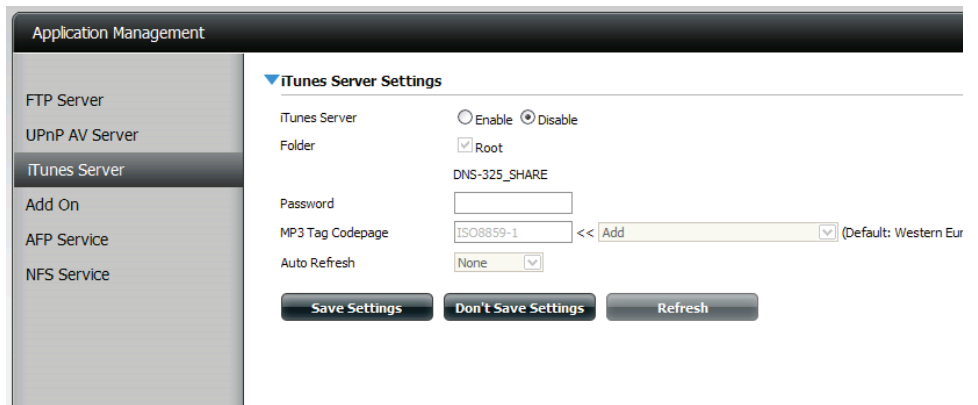
Click the 'Refresh All' button to update all the shared files and folder lists.

iTunes Server Folder Select to enable or disable the iTunes Server. 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 folders.

Password Sets password for the iTunes server. (Optional)

MP3 Tag Codepage Here the user can select the MP3 Tag Codepage used by this device. Currently the Codepage is set to Western European.

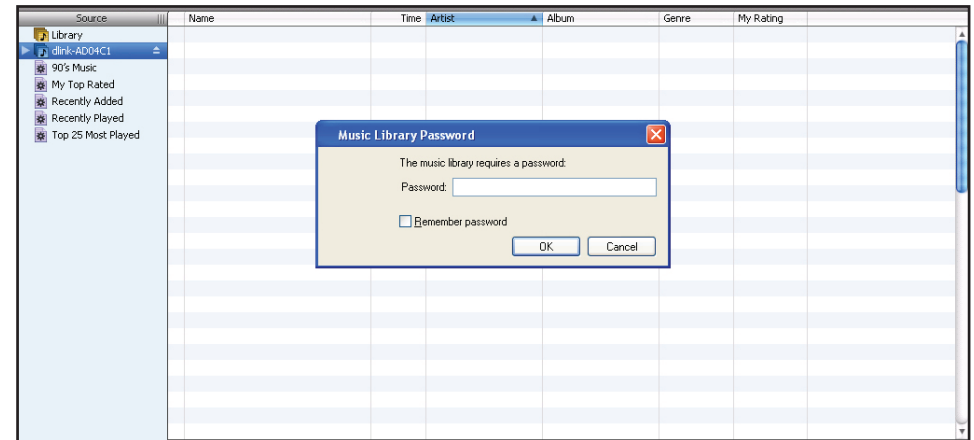
Auto Refresh Here the user can select the Automatically Refresh time



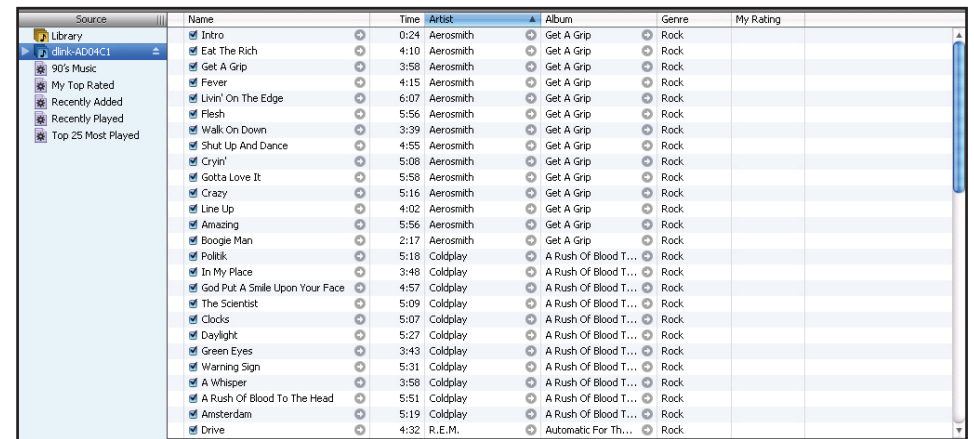
After enabling the iTunes server on the ShareCenter, launch iTunes. In your iTunes utility, select the ShareCenter and enter the iTunes server password if required.

Select the ShareCenter. When prompted, enter in the iTunes server password.

Click OK.



Media stored on the ShareCenter will then be available for use in iTunes.



Application Management - AFP Service

The ShareCenter supports Apple Filing Service for connectivity with MAC OS based computers. If you need to use the AFP service enable it here otherwise leave it disabled to reduce CPU resource overhead.

AFP Service Select enable to allow MAC OS based systems to connect to your ShareCenter using AFP protocol. Select disable to prevent unnecessary CPU resource depletion when AFP is not being used.

Save Settings Click this button to save the enable or disable action of the AFP service.

Notice: Enabling AFP service will disable oplocks.



Application Management - NFS Service

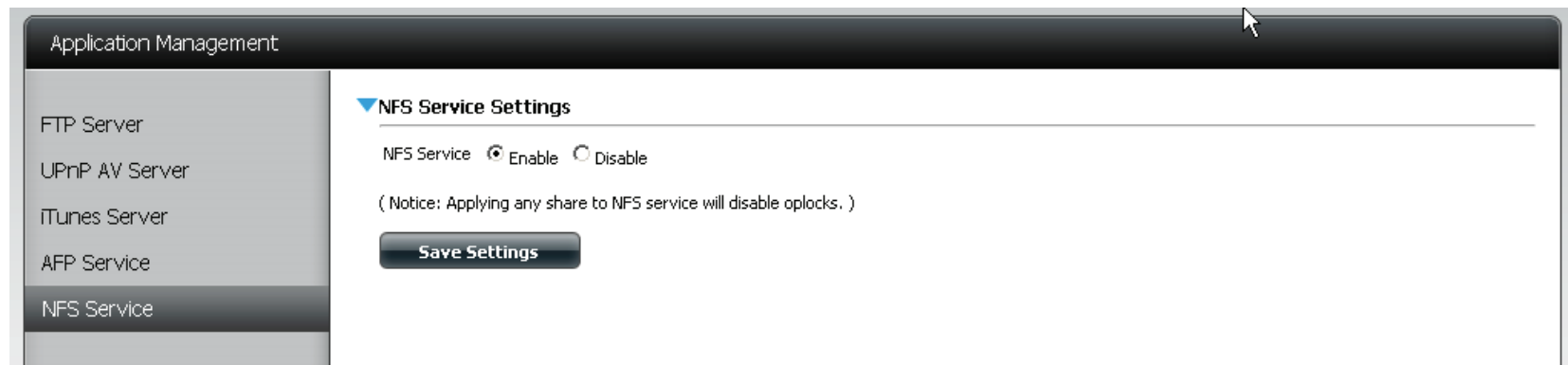
The ShareCenter supports Network File System (NFS) service. To enable this multi-platform file system on your ShareCenter enable it here. Otherwise disable the option to prevent unnecessary CPU overhead.

Click the 'Refresh All' button to update all the shared files and folder lists.

NFS Service Select enable to allow systems that support NFS to connect to your ShareCenter using NFS protocol. Select disable to prevent unnecessary CPU resource depletion when NFS is not being used..

Save Settings Click this button to save the enable or disable action of the NFS service.

Notice: Applying NFS service to any Share will disable oplocks.



System Management - Language

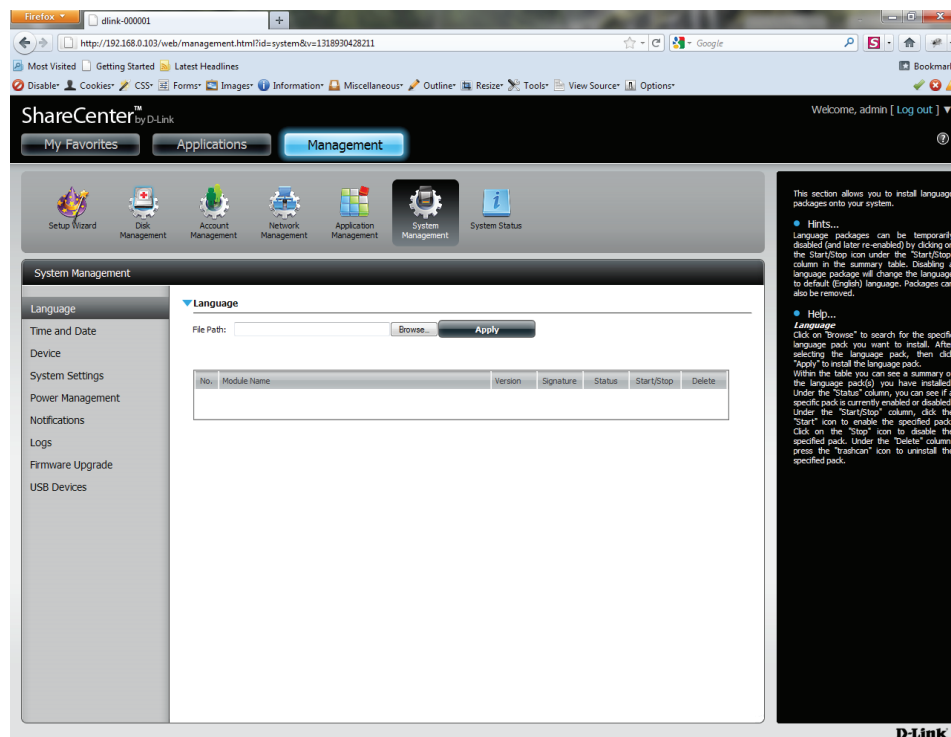
This menu item allows you to install language packages onto your system. In addition, you can also install language packages to suit your local language needs.

Languages Click on "Choose File" to search for the specific language pack you want to install. After selecting the language pack, then click "Apply" to install the language pack.

Language Pack List In the languages window you will see a table where the the loaded language packs will be displayed and can be enabled at will by simply clicking the (>) play button. More than one language pack can be installed, but only one language pack can be used at a time.



Please Note:
Keep a keen lookout on D-Link's local website for new Language Packs.



The screenshot shows the D-Link ShareCenter System Management interface. The 'Language' section is expanded, showing a 'File Path' input field with a 'Browse...' button and an 'Apply' button. Below this is a table with the following columns: No., Module Name, Version, Signature, Status, Start/Stop, and Delete. The table is currently empty. On the right side of the interface, there is a 'Hints...' section with the following text:

This section allows you to install language packages onto your system.

- Hints...**
Language packages can be temporarily disabled (and later re-enabled) by clicking on the Start/Stop icon under the "Start/Stop" column in the summary table. Disabling a language package will change the language to default (English) language. Packages can also be removed.
- Help...**
Language:
Click on "Browse" to search for the specific language pack you want to install. After selecting the language pack, then click "Apply" to install the language pack.
Within the table you can see a summary of the language pack(s) you have installed. Under the "Status" column, you can see if a specific pack is currently enabled or disabled. Under the "Start/Stop" column, click the "Start" icon to enable the specified pack. Click on the "Stop" icon to disable the specified pack. Under the "Delete" column, press the "trashcan" icon to uninstall the specified pack.

D-Link

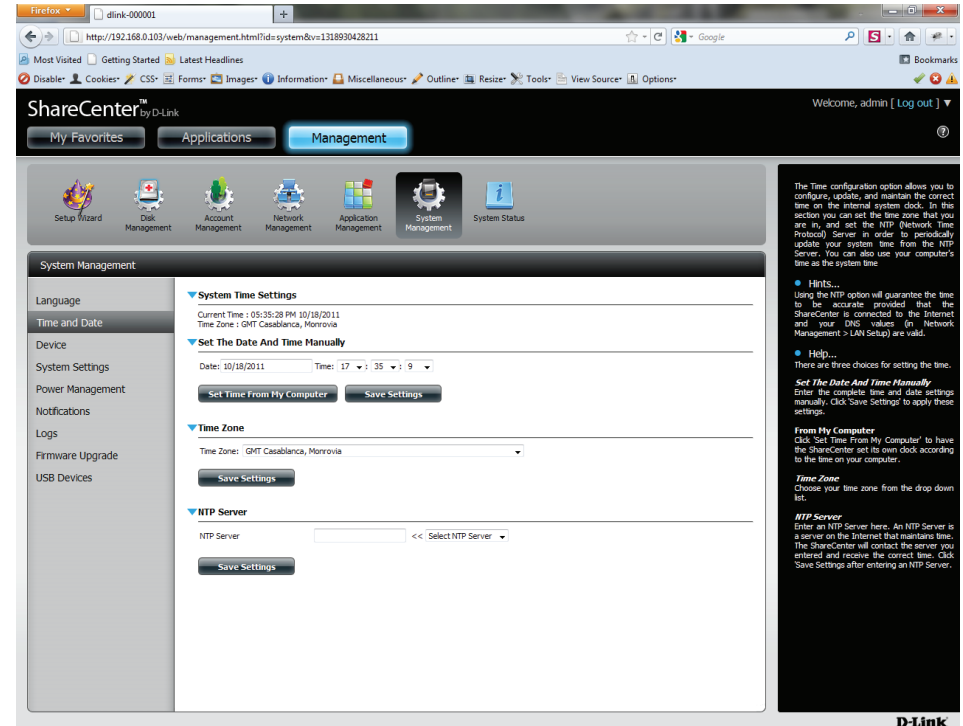
System Management - Time and Date

The Time and Date configuration option allows you to configure, update, and maintain the correct time and date on the internal system clock. In this section you can set the time zone that you are in, and set the NTP (Network Time Protocol) Server in order to periodically update your system time from the NTP Server. You can also use the time and date of your computer as the system time.

- System Time Settings** Shows the current date, time and time zone settings of the ShareCenter.
- Manually** Enter the complete time and date settings manually. Click 'Save Settings' to apply these settings. To synchronize the device clock with your computer, click the 'Set time from my computer' button.
- Timezone** Select your time zone from the drop-down menu. Click 'Save Settings' after selecting your time zone
- NTP Server** Network Time Protocol (NTP) synchronizes the device with an Internet time server.

D-Link provides two time server for your convenience.
Choose the one closest to your location.

Click 'Save Settings' to accept these changes.



System Management - Device

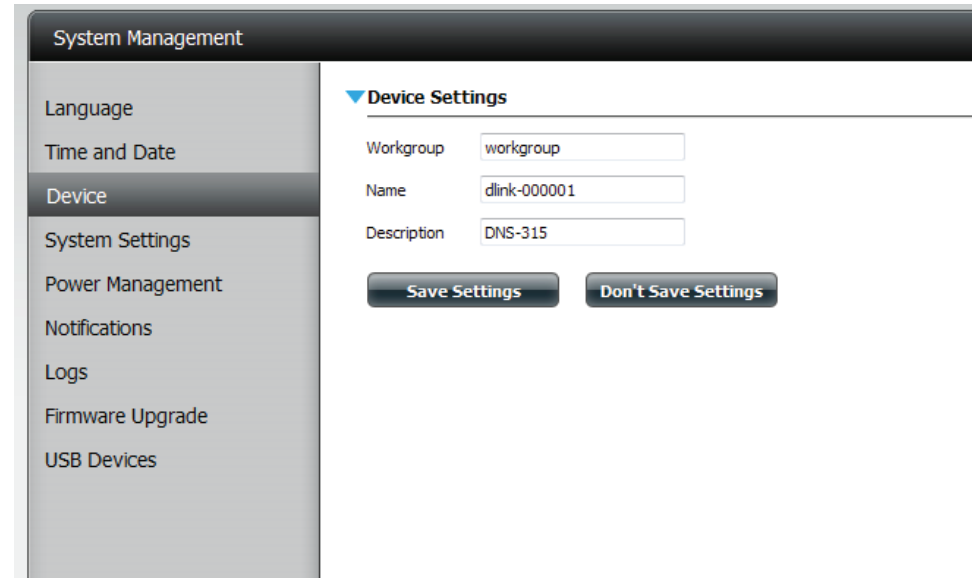
The device settings page allows you to assign a workgroup, name and description to the device. You can access this device by typing the host name in the URL section of your web browser. For example: `http://dlink-d10001`

Workgroup Enter your Workgroup name here. The workgroup name should be the same as the computers on the network. Devices using the same workgroup will have additional file sharing methods available.

Name Enter your device Name here. This name is what the ShareCenter will appear as on the network. By default, the device name is `dlink-xxxxxx`, where `xxxxxx` is the last six digits of the MAC address.

Description Assign a device description to the device.

Click 'Save Settings' to accept these changes.



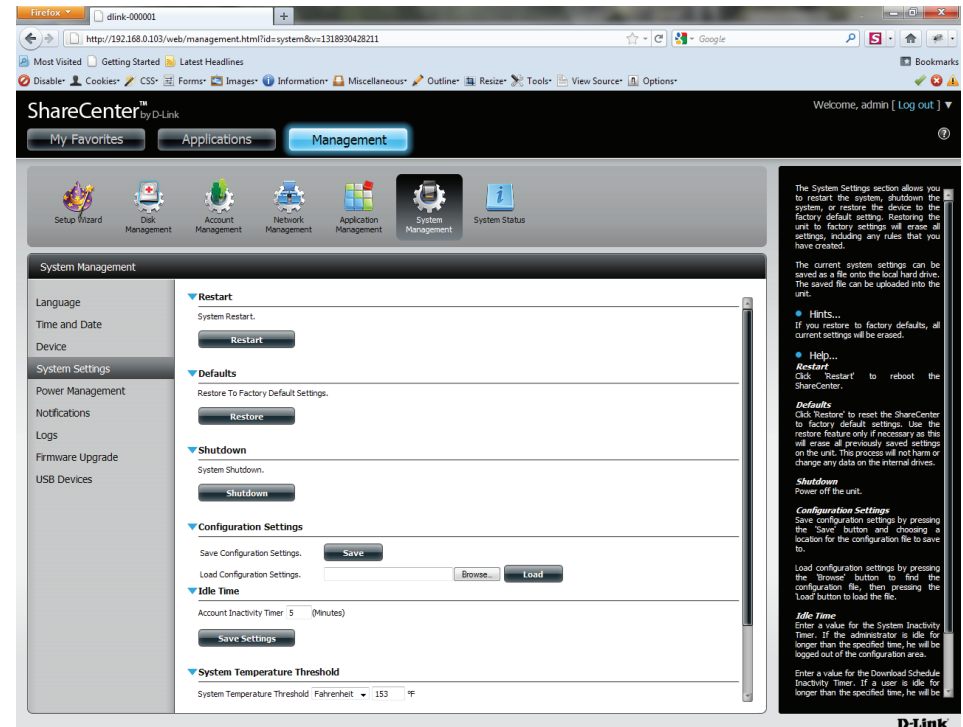
The screenshot shows the 'System Management' web interface. On the left is a navigation menu with the following items: Language, Time and Date, Device (highlighted), System Settings, Power Management, Notifications, Logs, Firmware Upgrade, and USB Devices. The main content area is titled 'Device Settings' and contains three input fields: 'Workgroup' with the value 'workgroup', 'Name' with the value 'dlink-000001', and 'Description' with the value 'DNS-315'. At the bottom of the settings area are two buttons: 'Save Settings' and 'Don't Save Settings'.

System Management - System Settings

Restart Clicking this button restarts the ShareCenter. It stops all processes that are currently running and restarts the machine.

Default Clicking default restarts the ShareCenter with the original factory default settings. All previous settings that have been configured will be erased.

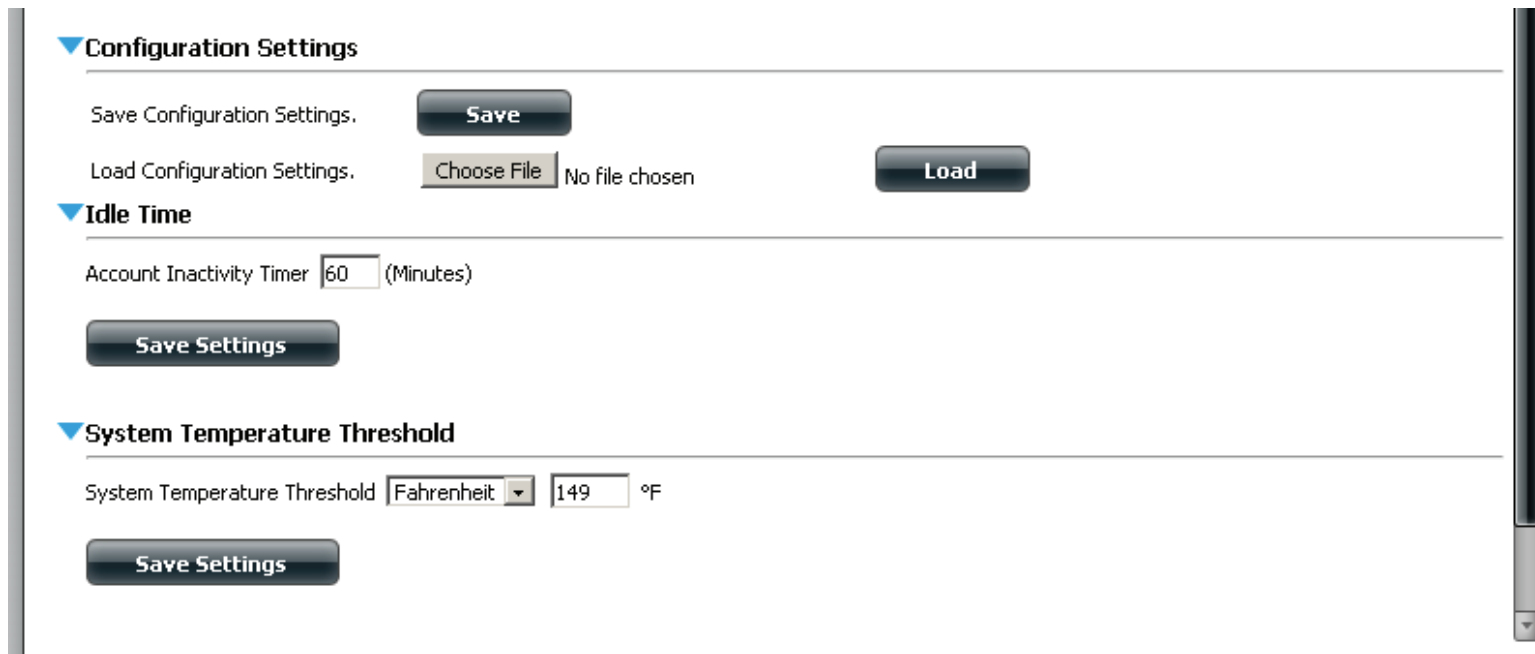
Shutdown Clicking this button turns off the ShareCenter by shutting down all systems and processes gracefully. This helps prevent data loss.



Configuration Click on the 'Save' button to save the current 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 and users will be allowed to remain idle while accessing the web UI..

System Temperature Threshold Here the user can configure the system temperature threshold value. This value can be set in Fahrenheit or Celsius. The device will automatically shutdown when it reaches the temperature set here.



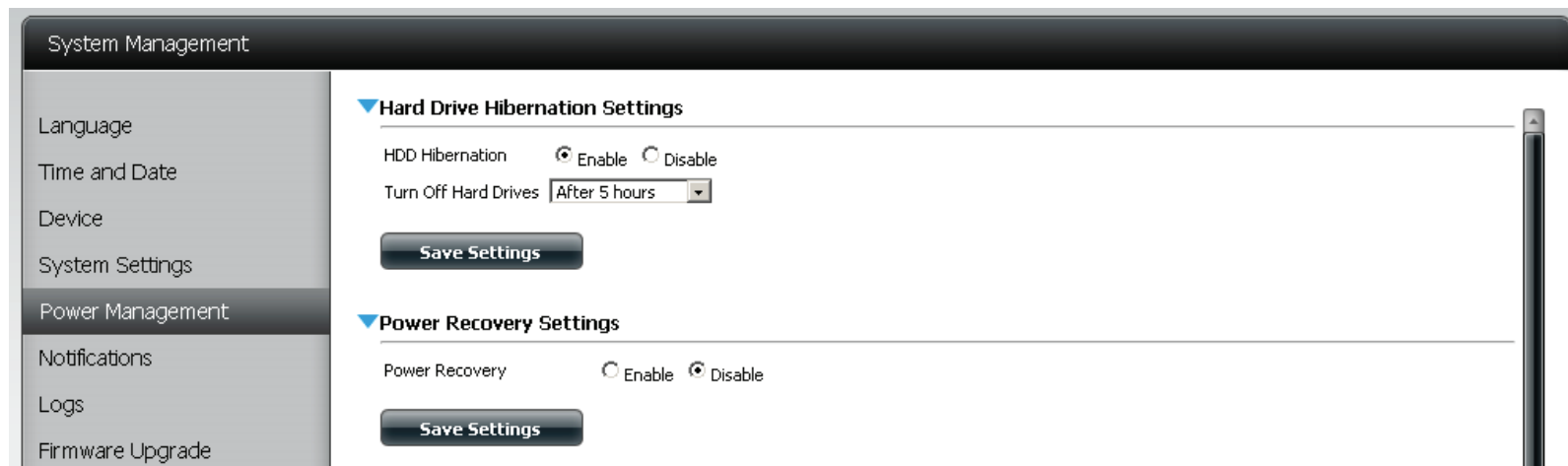
System Management - Power Management

The ShareCenter 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.

HDD Hibernation Enable or Disable HDD Hibernation settings.

Turn Off Hard Drive Set the amount of idle time before the drives will go into hibernation.

Power Recover Enable or disable Power Recovery. The Power Recovery feature will automatically restart your device from a previously unexpected shutdown due to a power failure.



You can also control the speed of the fan using three different settings and you can power off the ShareCenter at scheduled times for each day of the week.

Fan Control The speed of the fan can be controlled from this section.

If using "Auto" mode, the speed of the fan will change (Off/Low/High) depending on the internal temperature of the enclosure.

Power On/Off Scheduling Configure the power On/Off schedule. Click on the enable radio button to turn on this function.

Enable or disable the power off days using the check box (checked equals enabled for the specific day) and configure the time for each day that the power off will occur.

Check the dates you wish to set the Power Management and then set the time for the Schedule to be on and when you want to turn it off.

The screenshot shows the D-Link ShareCenter management web interface. The browser address bar displays the URL: <http://192.168.0.103/web/management.html?ids=system&vs=1318931729342>. The interface includes a navigation menu with options like My Favorites, Applications, and Management. The main content area is titled "System Management" and contains several sections:

- Fan Control Settings:** A dropdown menu is set to "Auto (Off / Low / High)".
- Power On/Off Scheduling Settings:** A table for configuring power on/off schedules for each day of the week. The "Power On/Off" radio button is selected to "Enable".

Day	Power On/Off	Schedule On	Schedule Off
SUN	<input checked="" type="checkbox"/>	00 : 00	00 : 00
MON	<input type="checkbox"/>	00 : 06	20 : 00
TUE	<input type="checkbox"/>	00 : 00	00 : 00
WED	<input type="checkbox"/>	00 : 00	00 : 00
THU	<input type="checkbox"/>	00 : 00	00 : 00
FRI	<input type="checkbox"/>	00 : 00	00 : 00
SAT	<input type="checkbox"/>	00 : 00	00 : 00

On the right side of the interface, there is a help panel with the following text:

This section allows you to enable or disable the Hard Drive Hibernation and Power Recovery options. You can also configure cooling fan speeds using the Fan Control settings and you can set the schedule for the automatic Power On/Off function. The OLED display settings allow users to break the display properties.

HINTS...
Enable HDD Hibernation and set the delay time to turn off the HDD when it is not being accessed. Enable Power Recovery to auto-restart the ShareCenter from an unexpected shutdown due to power loss. Set the Fan Control to a speed suitable for the temperature of the ShareCenter. Enable Power Off Scheduling to auto-shutdown the ShareCenter on a daily, weekly or monthly basis.

Schedule a time to automatically power off your ShareCenter NAS by setting the daily schedule fields in this window.

Help...
Hard Drive Hibernation Settings
HDD Hibernation: Enable or Disable HDD Hibernation settings.

Turn Off Hard Drives
Set the amount of life time before the drives will go into hibernation.

Power Recovery Settings
Enable or disable Power Recovery. The Power Recovery feature will automatically restart your device from a previously unexpected shutdown due to a power failure.

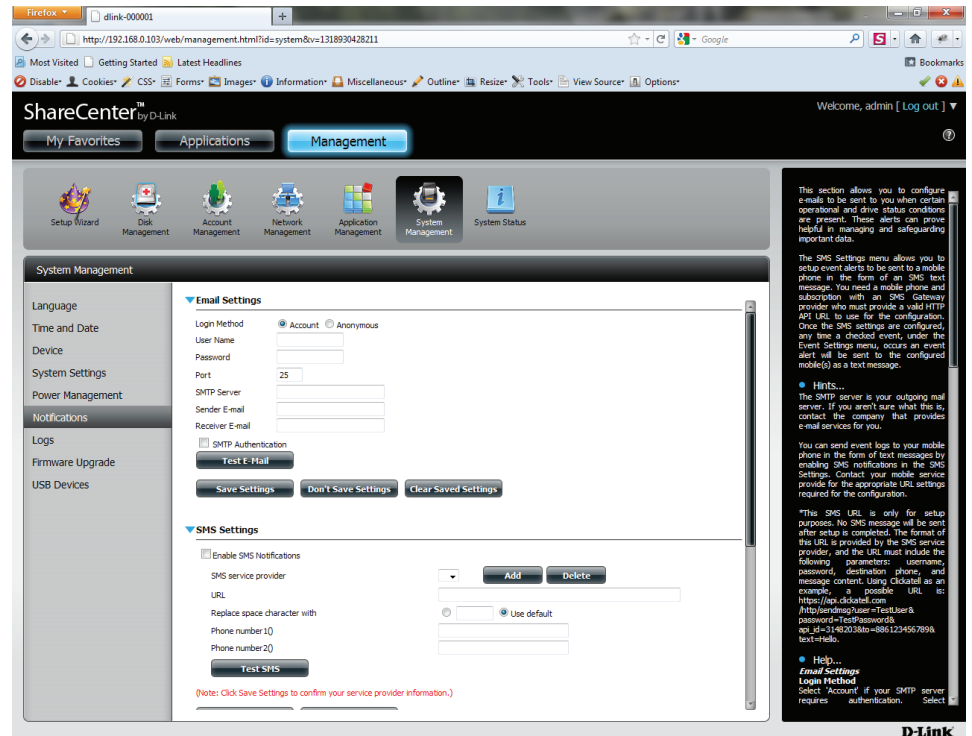
Fan Control Settings
The speed of the fan can be controlled from this section. If using "Auto" mode, the speed of the fan will change (Off/Low/High) depending on the internal temperature of the enclosure.

D-Link

System Management - Notifications - Email

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

- Login Method** Select either Account or Anonymous. Choosing Anonymous does not require a User Name or Password.
- Username** Enter the appropriate user name for your e-mail account.
- Password** Enter the appropriate password for your e-mail account.
- Port** Enter the SMTP port number used here.
- 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 or systems administrator.
- Sender E-mail** Enter the "from" e-mail address (e.g. alerts@share.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 you want to send the alerts to. This address must correspond with the SMTP server configured above.
- SMTP Authentication** Tick this option to use SMTP authentication.
- Test Email** Click the Test E-Mail button to send a test alert and confirm your settings are correct.



System Management - Notifications - SMS

The same alerts of system conditions that can be sent to an email box can also be sent to a mobile or two by SMS text messages. You need to have an agreement with a SMS service gateway that the ShareCenter can then be configured to send the alerts to. The service provider then sends the received alerts to the configured mobiles as text messages. Consult a professional SMS provider before considering this task.

- Enable SMS Notifications** Check this box to enable SMS alerts to be sent to your mobile.
- SMS Service Provider** Select from the drop-down list your SMS service provider you would like to use (these are added with the add button)
- Add button** Click on the Add button and enter the information into the appropriate fields that your provider has given you to use for the configuration.
- Delete button** Remove the selected Service Provider from the configuration.
- URL** The specific service provider URL provided and added in the Add procedure.
- Replace space character with** If required by your service provider enter a character that will be used for the space.
- Phone Number 1** Automatically populated from the Add button function.
- Phone Number 2** Enter a second mobile telephone number. Verify that the number input is according to the configuration instructions from your Mobile Service Provider.
- Test SMS button** Click this button to send a test message to your Mobile to verify the settings are correct and the API URL is functioning with your provider.

The screenshot shows a web interface for configuring SMS settings. On the left, there is a sidebar with 'Firmware Upgrade' and 'USB Devices' options. The main content area is titled 'SMS Settings' and contains the following elements:

- An unchecked checkbox for 'Enable SMS Notifications'.
- A dropdown menu for 'SMS service provider' with 'Add' and 'Delete' buttons.
- A text input field for 'URL'.
- A radio button selection for 'Replace space character with', with 'Use default' selected.
- Two text input fields for 'Phone number 1()' and 'Phone number 2()'.
- A 'Test SMS' button.
- A red note: '(Note: Click Save Settings to confirm your service provider information.)'
- 'Save Settings' and 'Don't Save Settings' buttons.

System Management - Adding an SMS Service Provider

Once you have an SMS Service provider HTTP API URL provided to you, you can then enter the URL into the Add SMS Service Provider wizard. Enter the URL in the first window with an appropriate Provider Name. In the next window select the appropriate HTTP API URL parameter types definitions from the drop down menus next to the parsed fields of the URL.

Welcome to SMS setup wizard

Provider Name:

Enter a SMS URL with the message content set to be "Hello world":

SMS URL *:

*This SMS URL is only for setup purposes. No SMS message will be sent after setup is completed. The format of this URL is provided by the SMS service provider, and the URL must include the following parameters: username, password, destination phone, and message content. Using Clickatell as an example, a possible URL is:
https://api.clickatell.com/http/sendmsg?user=TestUser&password=TestPassword&api_id=3148203&to=886123456789&text=Hello.

Enter your SMS Provider name here.

Enter the HTTP API URL provided to you.

Welcome to SMS setup wizard

URL parameter definition

Select the corresponding category for each parameter

user=joesmith99	<input type="text" value="Username"/>
password=PASSWORD	<input type="text" value="Password"/>
api_id=3266469	<input type="text" value="Other"/>
to=886999555777	<input type="text" value="Phone number"/>
text=Message	<input type="text" value="Message content"/>

Chosed the appropriate type parameter in the drop-down menu for the parsed parameters of the URL on the left.

System Management - Notifications - Event Settings

You can limit which events are sent as alerts to the Email or SMS settings by checking the events here.

Event Settings Select the information you want e-mailed to the above address or sent over SMS messages to the above mobile number. The items checked will be sent when necessary.

The screenshot displays the 'System Management' web interface. On the left is a navigation menu with the following items: Language, Time and Date, Device, System Settings, Power Management, Notifications (highlighted), Logs, Firmware Upgrade, and USB Devices. The main content area is titled 'System Management' and contains the following settings:

- Port: 25
- SMTP Server: [Empty text box]
- Sender E-mail: [Empty text box]
- Receiver E-mail: [Empty text box]
- SMTP Authentication
- Buttons: Test E-Mail, Save Settings, Don't Save Settings, Clear Saved Settings
- SMS Settings** (expanded)
- Event Settings** (expanded):
 - The Administrator Password Has Been Changed
 - Space Status
 - One Of The Volumes Is Full
 - The System Temperature Is Over User Defined Threshold
 - The Firmware Has Been Upgraded
 - Send Log File
 - One Torrent Download Is Finished
 - Send The S.M.A.R.T. Test Result
 - Recover From Power Failure
- Buttons: Save Settings, Don't Save Settings

System Management - Logs

Within the Logs menu item you can setup your ShareCenter to receive Log Events from other ShareCenters or send the ShareCenter's log events to another ShareCenter or SysLog server. You can also view the NAS system logs and the FTP logs here.

Enable Syslog Turns on the Syslog server functionality of your ShareCenter to be able to receive logs from other ShareCenters.

Syslog Server IP Input the IP address here of an external Syslog server that you wish to send the logs of this ShareCenter to.

Clear Log Clicking the Clear Log button will delete all the existing logs.

Backup Log Clicking the Backup Log button will save the existing logs to a text file on your computer.

The screenshot shows the D-Link ShareCenter management interface. The 'System Management' section is expanded to 'Logs'. Under 'Server Settings', the 'Enable Syslog' checkbox is checked, and there is a field for 'Syslog Server IP'. Below this, there are 'Save Settings' and 'Don't Save Settings' buttons. The 'Logs' section has 'Clear Log' and 'Backup Log' buttons above a table of system events.

Date	Time	Info
Oct 14	09:22:34	System Has Rebooted From A Power Failure.
Oct 14	09:22:43	Set Fan Speed To "LOW".
Oct 14	09:22:49	Set Fan-Control Mode To "Auto(Off/Low/High)"
Oct 14	09:22:52	System is rebooted or power up successfully.
Oct 14	09:22:55	Set Fan Speed To "STOP".
Oct 14	09:24:32	Admin password has been modified.
Oct 14	09:26:22	Set System Time.
Oct 14	09:26:21	Set System Time.
Oct 14	09:26:31	CIFS: Authentication for user [D8087-A] has FAILED.
Oct 14	09:26:31	CIFS: [192.168.0.100] connected to [Volume_1] as user [nobody].

At the bottom of the log viewer, there are navigation controls: a dropdown menu set to '10', left and right arrows, 'Page 1 of 3', and 'Displaying 1 to 10 of 26 items'.

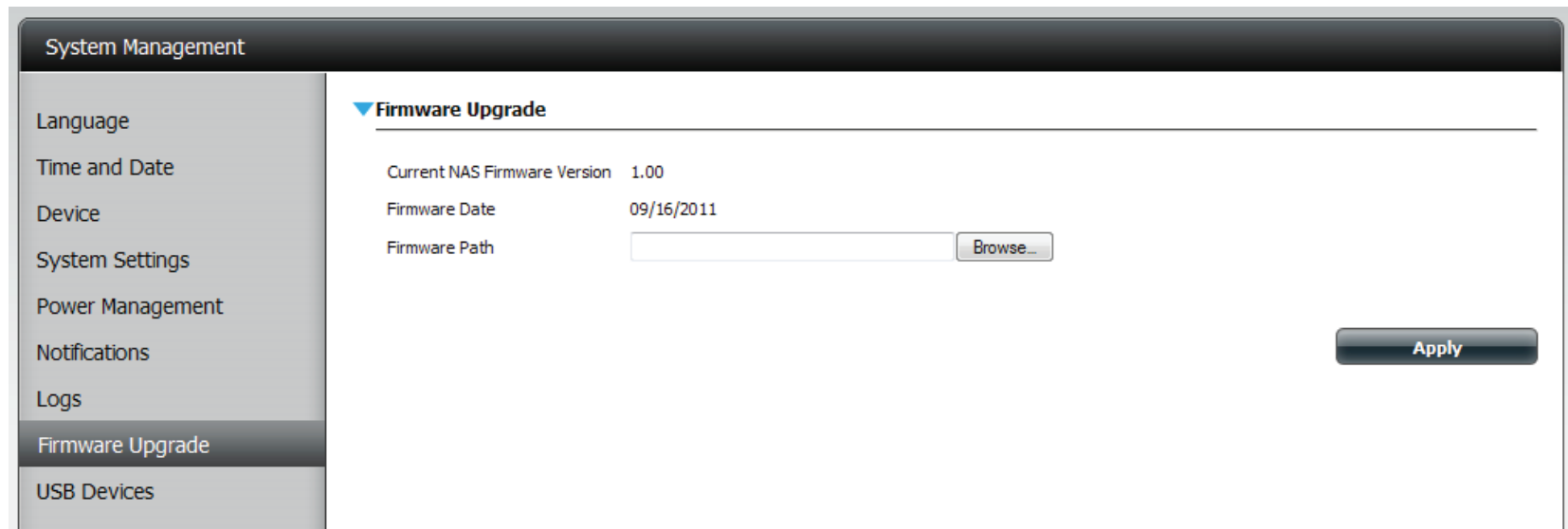
System Management - Firmware Upgrades

The Firmware Upgrade Page makes it simple to check for new firmware releases and upload them to the device. This section provides a link to check for new firmware on the D-Link support website. If a new firmware is available, download the file to your local computer.

Current Firmware Version This is the installed firmware that the ShareCenter uses to boot up on and is operating on.

Firmware Date This shows the date of when the firmware, the SharCenter is using, was created.

Firmware Upload When upgrading the firmware, click Browse to select the new firmware file on your local computer. Click Apply to begin the firmware upgrade process.

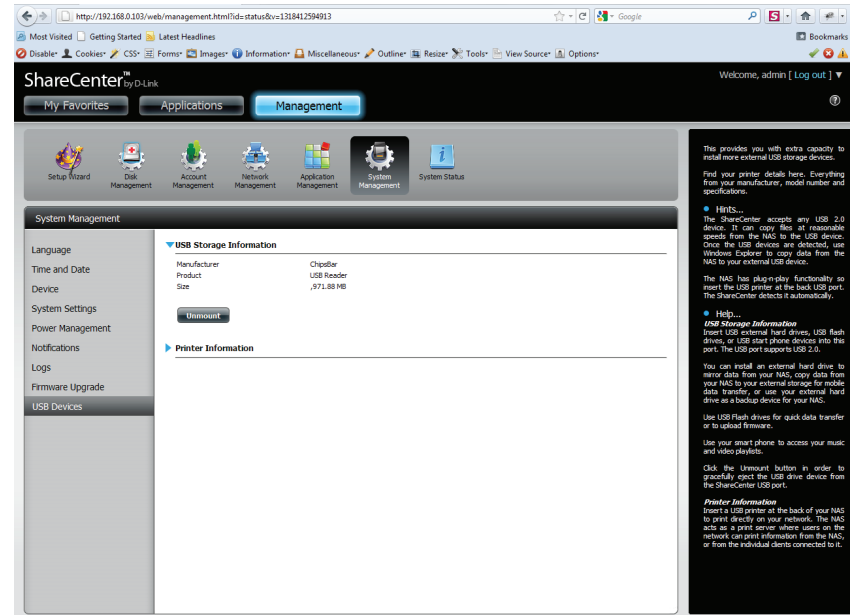


System Management - USB Devices

Under System Management you can configure USB Storage and USB Printers.

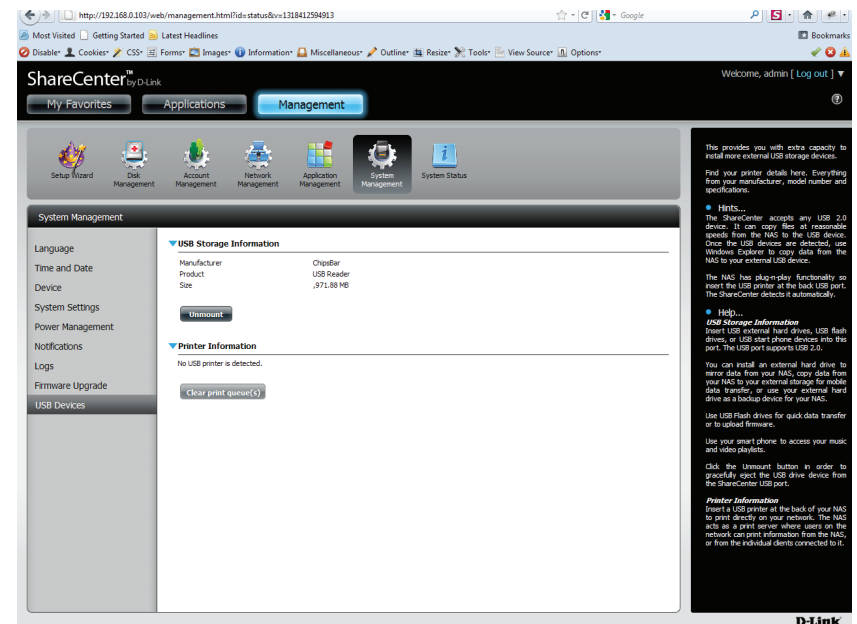
Click the blue arrow to reveal the **USB** storage Information.

It provides manufacturer, product and size details.



Click the blue arrow to reveal the **Printer** Information

It provides information on the manufacturer, type and connection details.



System Status - System Information

Here you can view various system information some of which is static and others dynamic.

LAN Information Displays the local network settings of the ShareCenter.

Device Information Displays the workgroup, name, description, current temperature, packet counts, and system uptime of the ShareCenter.

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

The screenshot shows the D-Link ShareCenter web interface. The main content area is titled "System Status" and is divided into three sections: LAN Information, Device Information, and Volume Information. The LAN section shows IP, Subnet Mask, Gateway, Mac, and DNS settings. The Device section shows Workgroup, Name, Description, System Temperature, and System Up Time. The Volume section shows Volume Name, Type, Total Capacity, Used Space, and Unused Space. A sidebar on the right contains a "Help" section with links to LAN, Device, System Temperature, System Up Time, and Volume information.

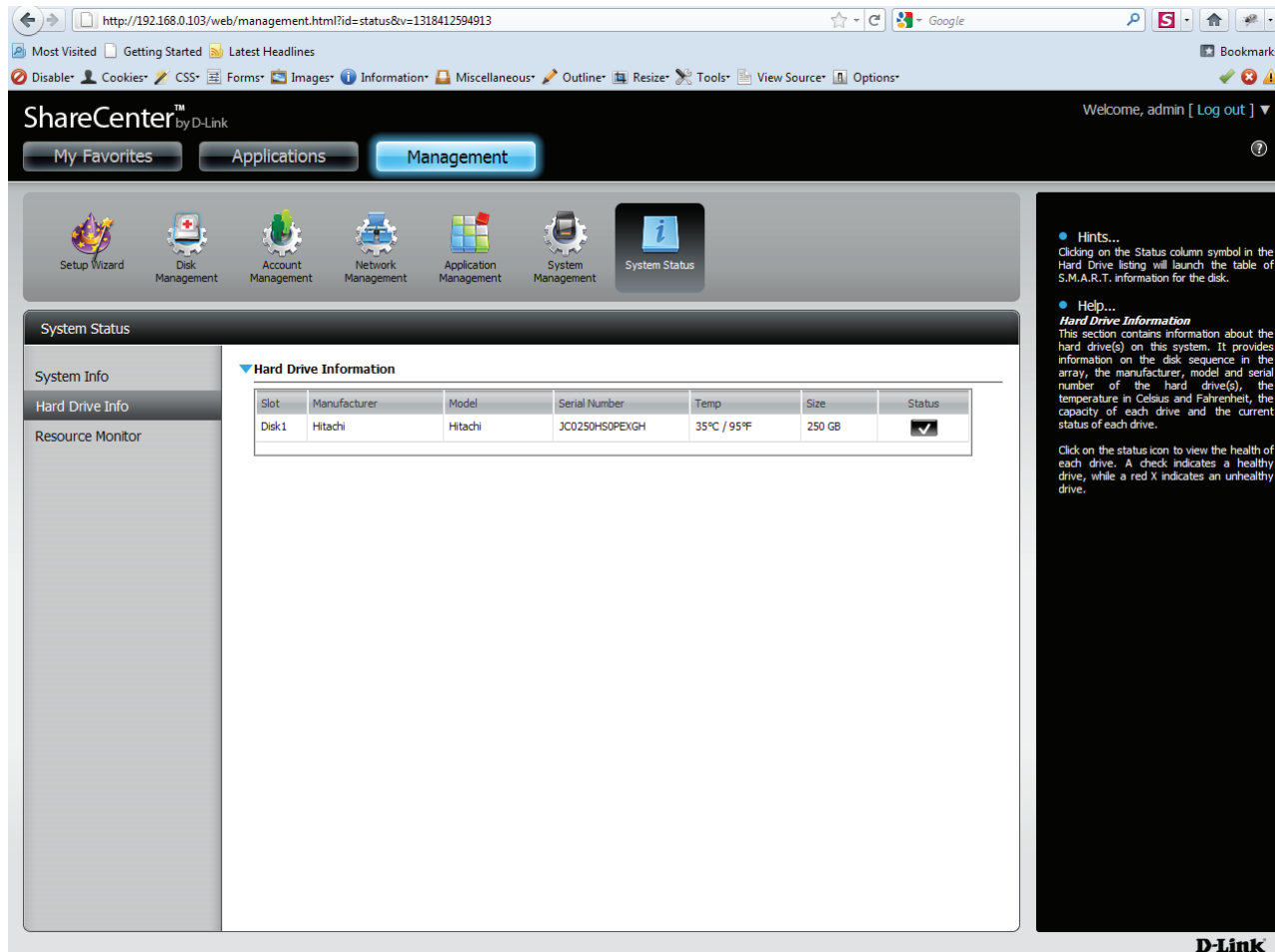
LAN Information	
IP Address	192.168.0.103
Subnet Mask	255.255.255.0
Gateway IP Address	192.168.0.1
Mac Address	00:30:e0:00:00:01
DNS1	192.168.0.1
DNS2	

Device Information	
Workgroup	workgroup
Name	dlrk-00001
Description	DNS-315
System Temperature	104°F/40°C
System Up Time	0 Day 3 Hours 11 Minutes

Volume Information	
Volume Name	Volume_1
Volume Type	Standard
Total Hard Drive Capacity	227.3 GB
Used Space	0.2 GB
Unused Space	227.1 GB

System Status - Hard Drive Information

This section will display a summary of the hard drive(s) currently installed in the ShareCenter. The summary will include information such as the hard drive manufacturer, model, serial number, temperature, total capacity size, and status. The "Status" of the hard drive will display the health of the hard drive. If your hard drive is healthy, the status will display "Normal". If your hard drive is not healthy, the status will display "Abnormal". At any time, if you wish to view the S.M.A.R.T table of the hard drive, you can press the "Normal/Abnormal" button. After pressing the button a table appears with the S.M.A.R.T data below the table of the Hard Drives installed.



The screenshot shows the ShareCenter Management web interface. The browser address bar displays the URL: <http://192.168.0.103/web/management.html?id=status&v=1318412594913>. The interface includes a navigation menu with "My Favorites", "Applications", and "Management" (selected). Below the menu are icons for Setup Wizard, Disk Management, Account Management, Network Management, Application Management, System Management, and System Status. The main content area is titled "System Status" and contains a sidebar with "System Info", "Hard Drive Info", and "Resource Monitor". The "Hard Drive Info" section is expanded, showing a table of Hard Drive Information.

Slot	Manufacturer	Model	Serial Number	Temp	Size	Status
Disk1	Hitachi	Hitachi	JC0250HS0PEXGH	35°C / 95°F	250 GB	<input checked="" type="checkbox"/>

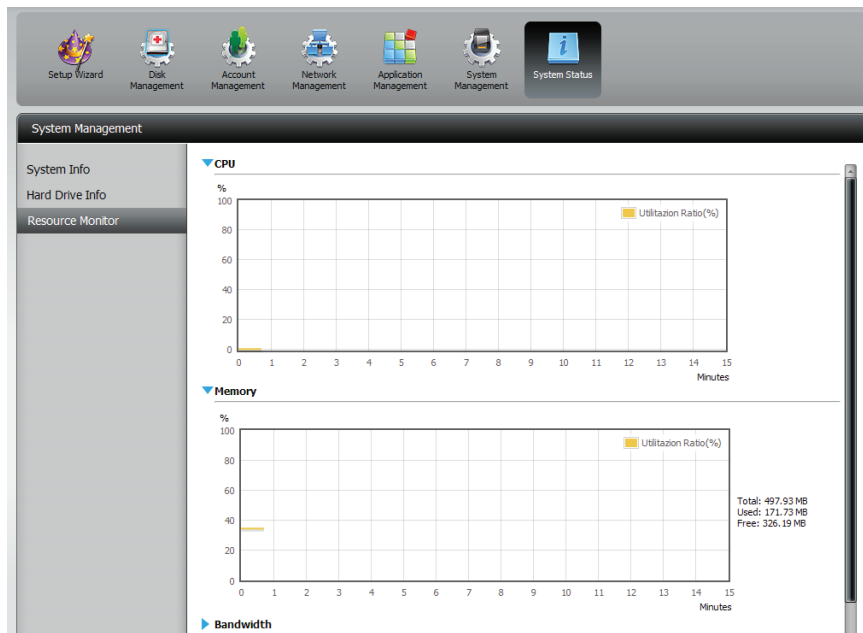
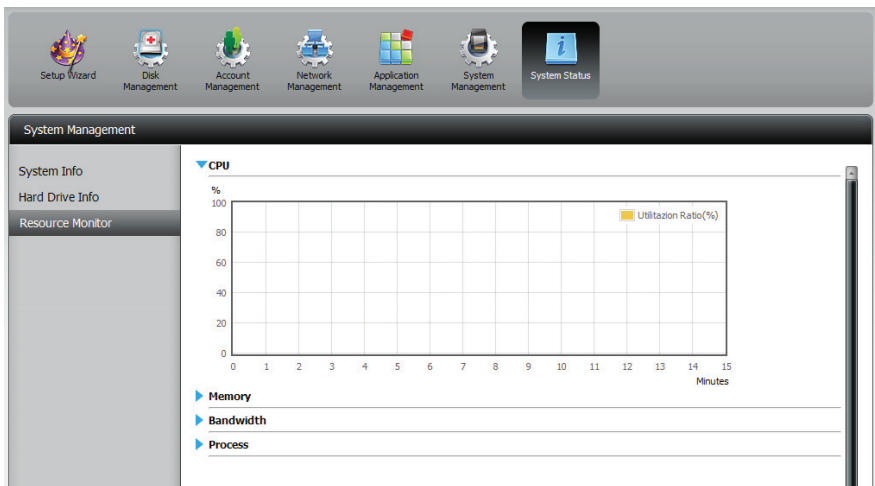
On the right side of the interface, there are two help sections:

- Hints...**
Clicking on the Status column symbol in the Hard Drive listing will launch the table of S.M.A.R.T. information for the disk.
- Help...**
Hard Drive Information
This section contains information about the hard drive(s) on this system. It provides information on the disk sequence in the array, the manufacturer, model and serial number of the hard drive(s), the temperature in Celsius and Fahrenheit, the capacity of each drive and the current status of each drive.
Click on the status icon to view the health of each drive. A check indicates a healthy drive, while a red X indicates an unhealthy drive.

The D-Link logo is visible in the bottom right corner of the interface.

System Status - Resource Monitor

Click the blue arrow to reveal the Resource Monitoring details. It provides information on the CPU, memory, bandwidth, and processes in action.



Applications

FTP/HTTP Downloads

Schedule file and folder backups from an FTP server, web server, or local network share. Always test the URL before applying changes. This will help to ensure a successful download.

Category Use the radio buttons to select the type of server that the source files/folders for the Schedule Downloads are located on. Click the HTTP radio button to specify that the source files are located on a web server. Click the FTP radio button to specify that the source files/folders are located on an FTP server.

URL Type in the URL location for the program/software etc. you wish to download and click the "Test" button.

Save To Browse or create a new file name where you want the downloaded file saved to.

Rename Enter a new or alternative name for whatever is being downloaded.

When Select the date and time for the download to occur.

Recurring Backup If you wish to schedule a recurring backup, select the desired interval (daily, weekly, or monthly) and the time you want the backup to start.

Save Settings Click this button to save the changes you have made.

Don't Save Settings Click this button to not save any changes you might have made.

The screenshot shows a web interface for configuring FTP/HTTP Downloads. The main heading is "FTP/HTTP Downloads Settings". The "Category" section has two radio buttons: "HTTP" (selected) and "FTP". Below this are input fields for "URL", "Save To", and "Rename", each with a corresponding button: "Test" for URL, and "Browse" for Save To. The "When" section includes a "Date" field with the value "01/06/2011" and a "Time" field with "16" and "12" selected. The "Recurring Backup" section has a dropdown menu set to "None" and two time selection fields. At the bottom are two buttons: "Save Settings" and "Don't Save Settings".

-
- Modify** Click this button to modify changes to your schedule you created under the FTP/HTTP Download Settings
 - Delete** Click this button to delete the specified schedule.



Applications - Remote Backups - Server

Remote Backups allows you to back up your ShareCenter to another ShareCenter or Linux Server or vice versa from a remote ShareCenter or Linux Server to your ShareCenter. Use the Create button in the remote backups list to start a wizard where you can configure your ShareCenter's Remote Backup functionality.

Enable remote backup service Check this box to enable the remote backup server functionality to that a remote NAS or Linux.

Note: If you are not using the Remote Backup functionality of your ShareCenter leave this box unchecked so that your ShareCenter's performance will not be affected by the additional overhead used by this process.

Password Input a password here that the remote client will use.



The screenshot shows a web interface for configuring Remote Backups. On the left is a navigation menu with 'Remote Backups' at the top, 'Server' in the middle, and 'Remote Backups' at the bottom. The main content area is titled 'Remote Backup Server' and contains a checked checkbox for 'Enable remote backup service' and a text input field for 'Password'. At the bottom of the main area are two buttons: 'Save Settings' and 'Don't Save Settings'.

Applications - Remote Backups - Remote Backups

Remote Backups list

This is the list of remote backup jobs built by pressing the Create button above the list to configure each job.

Create Click the Create button to build a new remote backup job on your ShareCenter.

Modify Click this button to make changes to your existing Remote Backup jobs in the Remote Backup list. You must select the remote backup job first and then click the modify button.

Delete To remove a Remote Backup job select the job in the list and then click the Delete button.



Remote Backups - Create wizard

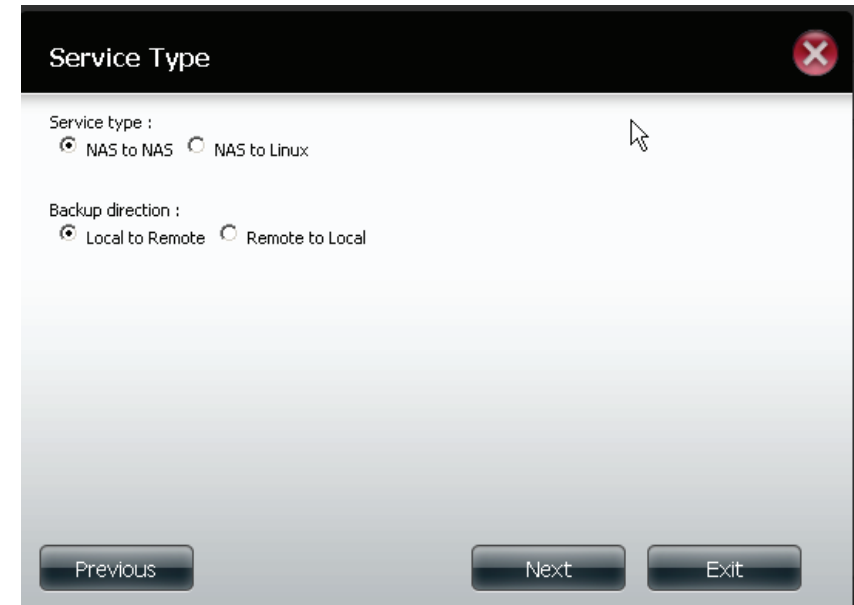
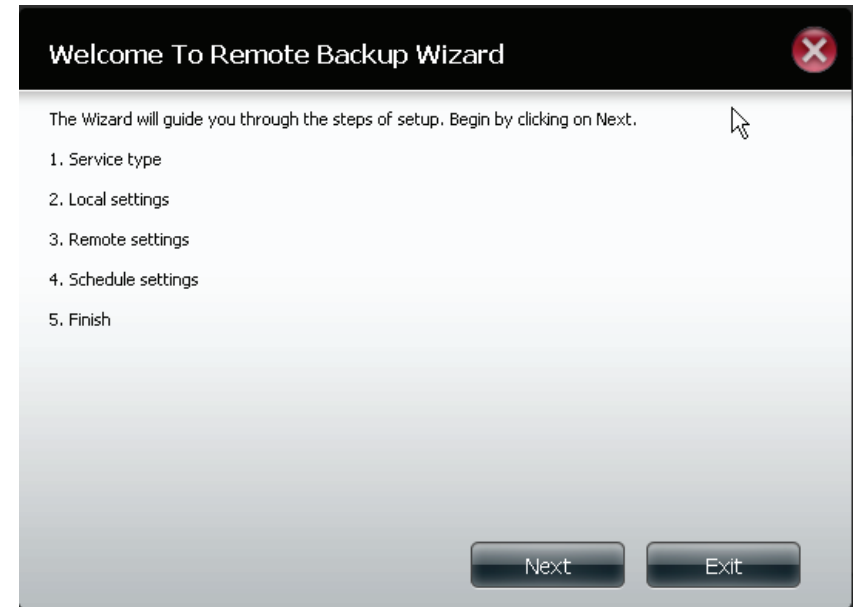
When you click the “Create Button”, the Remote Backup list wizard will start allowing you to configure a new Remote Backup job.

Wecome Displays the steps of the wizard.

Step 1. Service Type **NAS to NAS:** backup from the local NAS to a remote NAS or vice versa.
NAS to Linux back from the local NAS to a Linux file system or vice versa

Local to Remote: sets the backup source as the local NAS and the target destination for the backup files as the remote NAS or Linux file system.

Remote To Local: sets the backup source as the remote NAS or Linux file system and the target destination for the backup files as the local NAS.



Step 2. Local Settings **Task (Name):** the name used to refer to the backup job which will be listed later in the Remote Backup list.

Folder Path: select a local network share folder or file as the target or source for the backup job.

Step 3. Remote Settings **Remote IP:** The backup process uses Rsync protocol and needs to know the IP address of the destination source or target device for the backup. Input the IP of the remote NAS or Linux file system.

Enable Encryption: Checking this box will enable SSH encryption of the files that are transferred (backed up) over the network between the local and remote devices.

Ignore existing file(s):Checking this box prevents the backup process from writing over any files in the target file system that are not part of the backup files or folders. Therefore any existing files in the target system are preserved.

Incremental backup support Num (#): Checking this box provides multiple backup-capability at scheduled times. The first backup in an incremental series captures all the files for backup. Subsequent backups are incremental in that only the files and the folders that have changed in the backup source since the last incremental backup will need to be backed up. Each incremental backup builds a complete snapshot of the backup source however only the initial backup contains all the original files and folders. The subsequent backups in the incremental series contain new files and folders plus the links to the The first backup in an incremental series.



Please Note:

Only Remote to Local Backup supports Incremental backup function " to Incremental backup support Num (#):

Local Settings

Task : task 1

Folder path : Volume_1/bill

Browse

Previous Next Exit

Remote Settings(NAS to Linux)

Remote IP :

User name :

Password :

Enable encryption

Ignore existing file(s)

Incremental backup support Num : 03

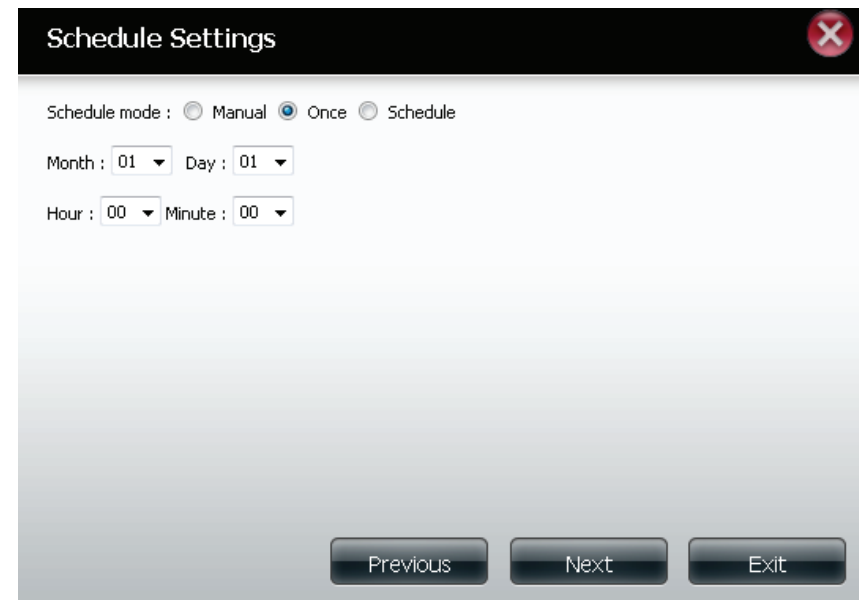
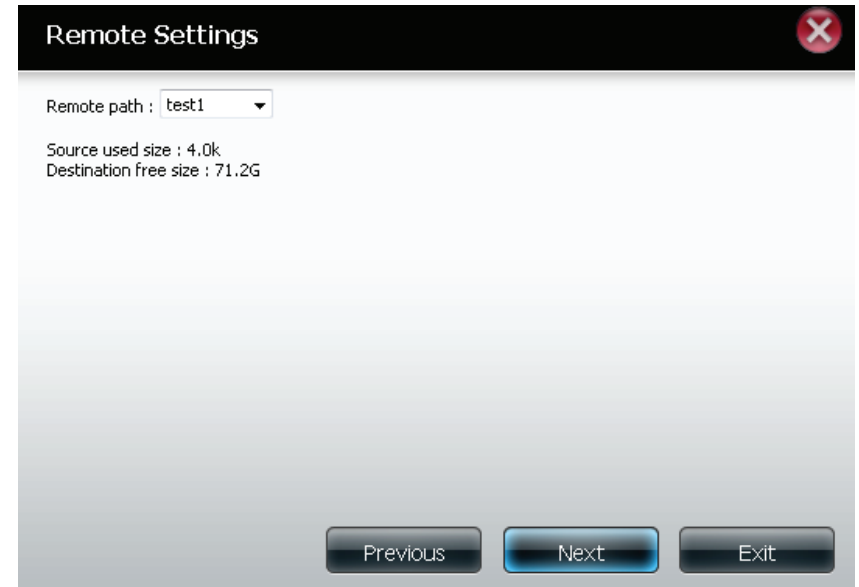
Previous Next Exit

Step 4. Remote Settings **Remote Path:** Using the browse button, select the file system (folder) path to the remote target or source system for backup.

Step 5 Schedule Settings **Scheduled Mode:**
Manual: Check either yes or no selection below to start the backup (yes) immediately on completion of the wizard or (no) manually start the backup from the Remote Backup list.

Once - select this option to run the Remote Backup once at a specific date and time set here.

Scheduled: select this option to set the backup to occur daily, weekly, monthly per a specific schedule.



**Step 6.
Finished**

Click on the Finish button if you are satisfied with all the settings of the Backup job created. Otherwise click on the Previous button to go back and make changes. Alternatively click on Exit to end the configuration without adding a Remote Backup job.

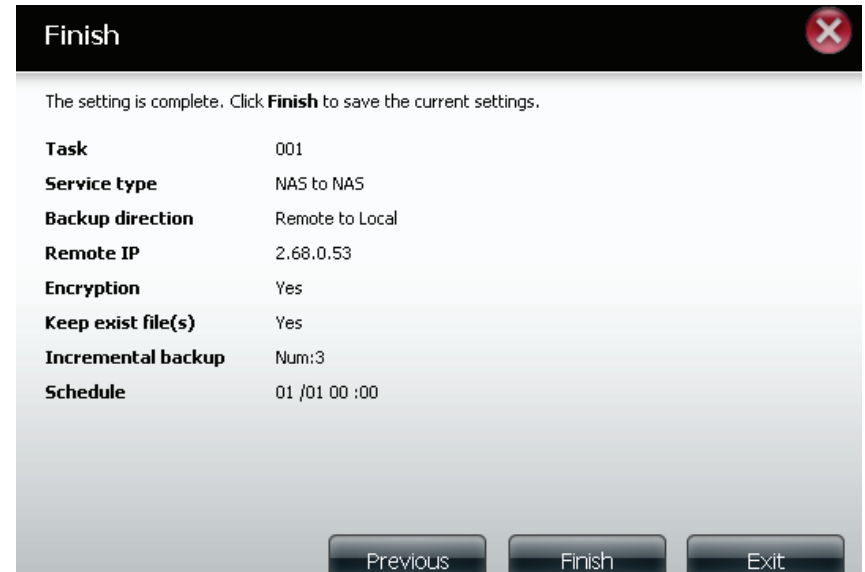
**Remote
Backups list**

Task: The name of the Remote Backup job.

Schedule: When the Remote Backup job will execute.

Status: Current status which can be

- Ready: The remote backup job is ready to be executed.
- Finished: The remote backup job has executed completely and successfully.
- Failed: The Remote backup job was unsuccessful during execution.



Enable/Disable: If the button shows a red circle the remote backup job is enabled. Clicking the red button will disable the remote backup job and the button will change to a green right pointing triangle. Clicking the green triangle will enable the job again.

Backup now : Clicking this button will execute the backup job immediately as long as the job is enabled.

Recovery: Clicking this button will write the backup files and folders back into the source file system from the backup target system (reverse the file direction).

Navigation buttons: Use these buttons to move up and down in the list when there are multiple jobs configured.

Refresh Button: Click this button during a backup or recovery process to monitor the progress by updating the progress completed bar.



Applications - Local Backups - Local Backups

Schedule local file and folder backups from the local network share of the device or from the local computer. Always test the URL before applying changes. This will help to ensure a successful download.

Category Use the radio buttons to select the backup method. The Internal Backup feature allows you to backup an existing folder on a volume to another folder on the same volume but nested folders in the same volume are not allowed. If you want to backup the data from your PC or another NAS device to your NAS device, click the LAN Backup radio button.

Login Method Enter the login information for the site that contains the files that you want to schedule downloads from. If no password is required choose 'Anonymous'. If a password is required choose 'Account' and provide the user name and password. This option is only available for LAN Backups.

Username Enter the user name used here..

Password Enter the password used here.

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 or ftp://123.456.789/test.txt

Save To Enter a valid destination drive on the ShareCenter, or click Browse to select the destination.

Rename Enter the renamed file name here.

When Enter the date and time you want the scheduled backup or download to initiate.

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 ShareCenter Shadow compare identical file names at the source and destination. Files will only be overwritten if the source file is more recent.

Applications - Local Backups - Local Backups

The screenshot shows the D-Link ShareCenter web interface. The browser address bar displays `http://192.168.0.103/web/backup_mgr/local_main.html`. The page title is "ShareCenter™ by D-Link". The navigation menu includes "My Favorites", "Applications" (selected), and "Management". The sidebar on the left shows "Local Backups" selected, with sub-items "Local Backups", "Time Machine", and "USB Backups".

The main content area is titled "Local Backup Settings". It contains the following configuration options:

- Category: Internal Backup LAN Backup
- Login Method: Account Anonymous
- User Name:
- Password:
- Type:
- URL:
- Save To:
- Rename:
- When: Date: 10/18/2011 Time: 18 : 29
- Recurring Backup: None :
- Incremental Backup

Buttons:

Table:

Download Path	Save To	Progress	Status
---------------	---------	----------	--------

Help sidebar (right):

Schedule local file and folder backups from the local network share.

- Hints...**
To check the status of completed backups look in the Local Backups List at the bottom of this window and check the Comments field. Information for both the success and failure of a completed backup will be displayed in the Comments field.
- Help...**
Local Backup Settings Category
Use the radio buttons to select the backup method. If your NAS device has two volumes you can click the Internal Backup radio button to backup the data from the first volume to the second volume and vice-versa. The Internal Backup feature also allows you to backup an existing folder on a volume to another folder on the same volume but nested folders in the same volume are not allowed.

If you want to backup the data from your PC or another NAS device to your NAS device, click the LAN Backup radio button.
- Login Method**
Enter the login information for the site that contains the files that you want to schedule downloads from. If no password is required choose 'Anonymous'. If a password is required choose 'Account' and provide the user name and password.
- User Name**
When the Login Method is set to Account then enter the login Username credential needed to login to the local network share or computer which is the source of the backup files.
- Password**
When the Login Method is set to Account then enter the login password associated with the username set in order to login to the local network share.

D-Link logo at the bottom right.

Save Settings Don't Save Settings

Applications - Local Backups - Local Backups

Click the **“Modify”** button to change the settings you made or select the backup you want to delete and click the **“Delete”** button.



Applications - Local Backups - Time Machine

This section allows the user to configure the ShareCenter so that it becomes a backup destination in the Mac OS X Time Machine. In order to use this function, the AFP service is required. The AFP service will start automatically as soon as this function is enabled.

Enable Time Machine Click this to enable the Time Machine function to work with a MAC OS X Time Machine. The Time Machine Settings list will appear when this checkbox is ticked.



Applications - Local Backups - Time Machine

Time Machine Settings list

A list of destination folders on the Network Shares associated with the Time Machine backup.

New

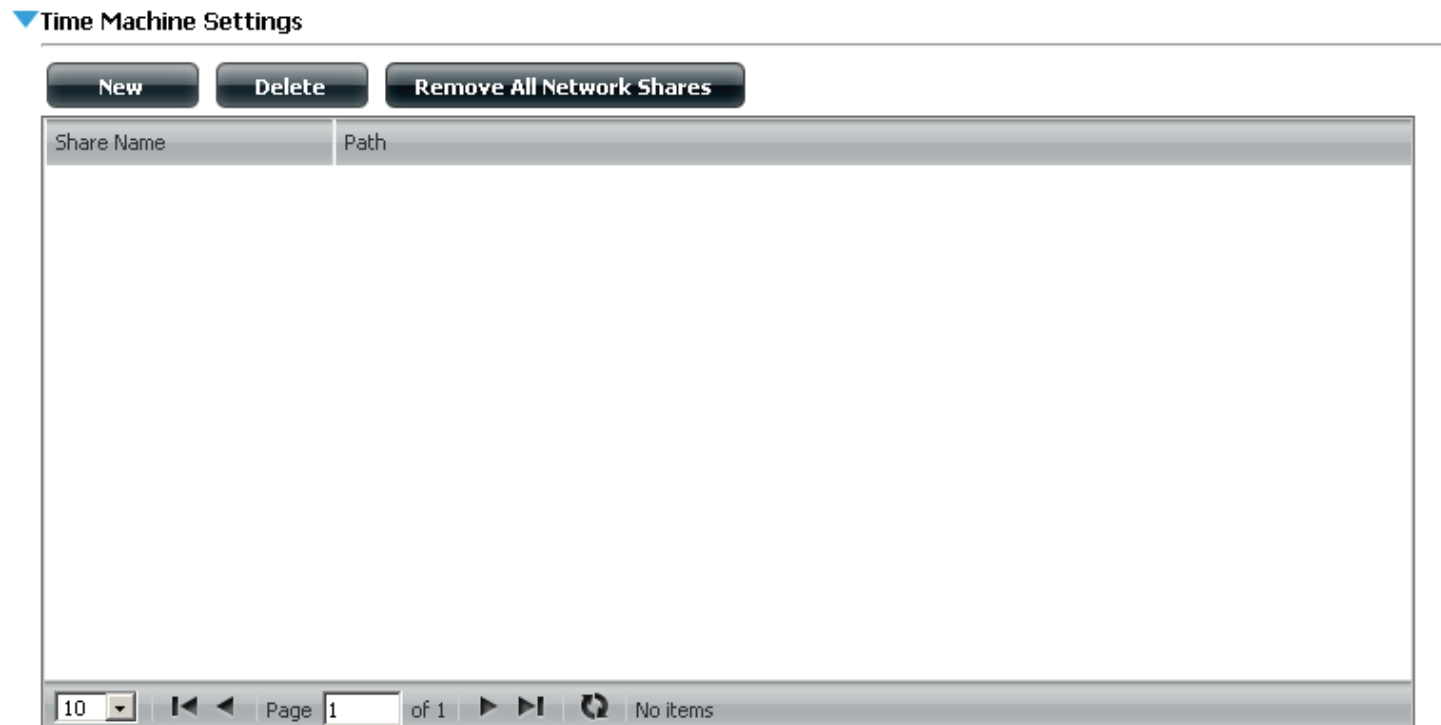
Adds a NAS folder as a Time Machine destination.

Delete

Deletes a NAS folder setup as a Time Machine destination.

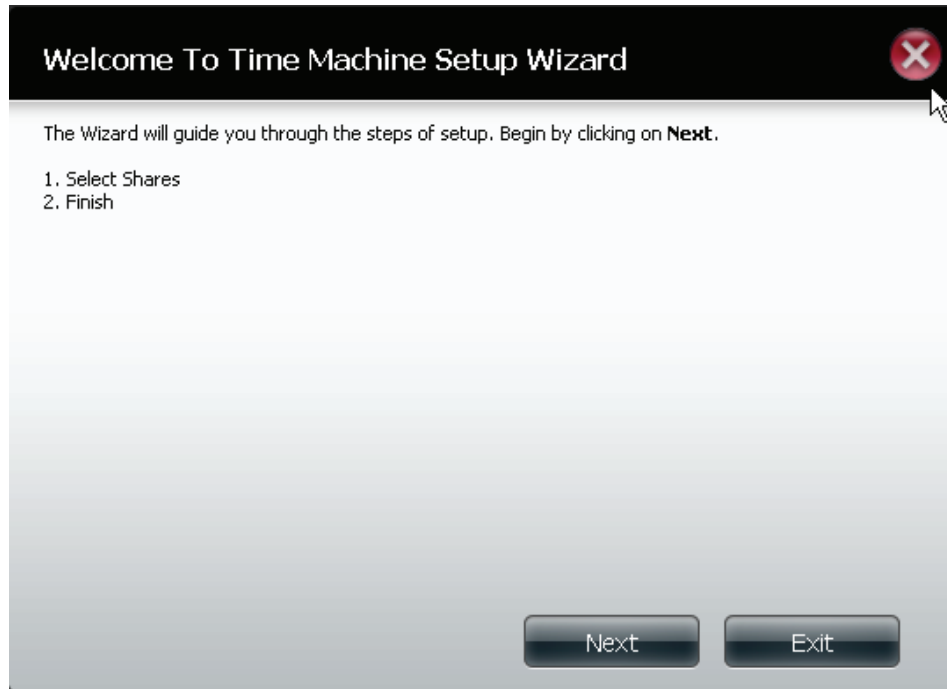
Remove all Network Shares

Delete all the NAS folders in the list configured as Time Machine Destinations.



Applications - Local Backups - Time Machine

Under “Time Machine Settings”, click the “New” button. If Time Machine Settings have been already setup and you wish not to use these settings, select it and click the “Delete” button. The Time Machine Setup Wizard will guide you through the setup process. Once the Wizard begins click “Next”, then select the “Share” and click “Next”



Applications - Local Backups - Time Machine

The final table will look similar to the image below. Select the share to delete it or click the Remove All Network Shares button.

▼ Time Machine Settings

New Delete Remove All Network Shares

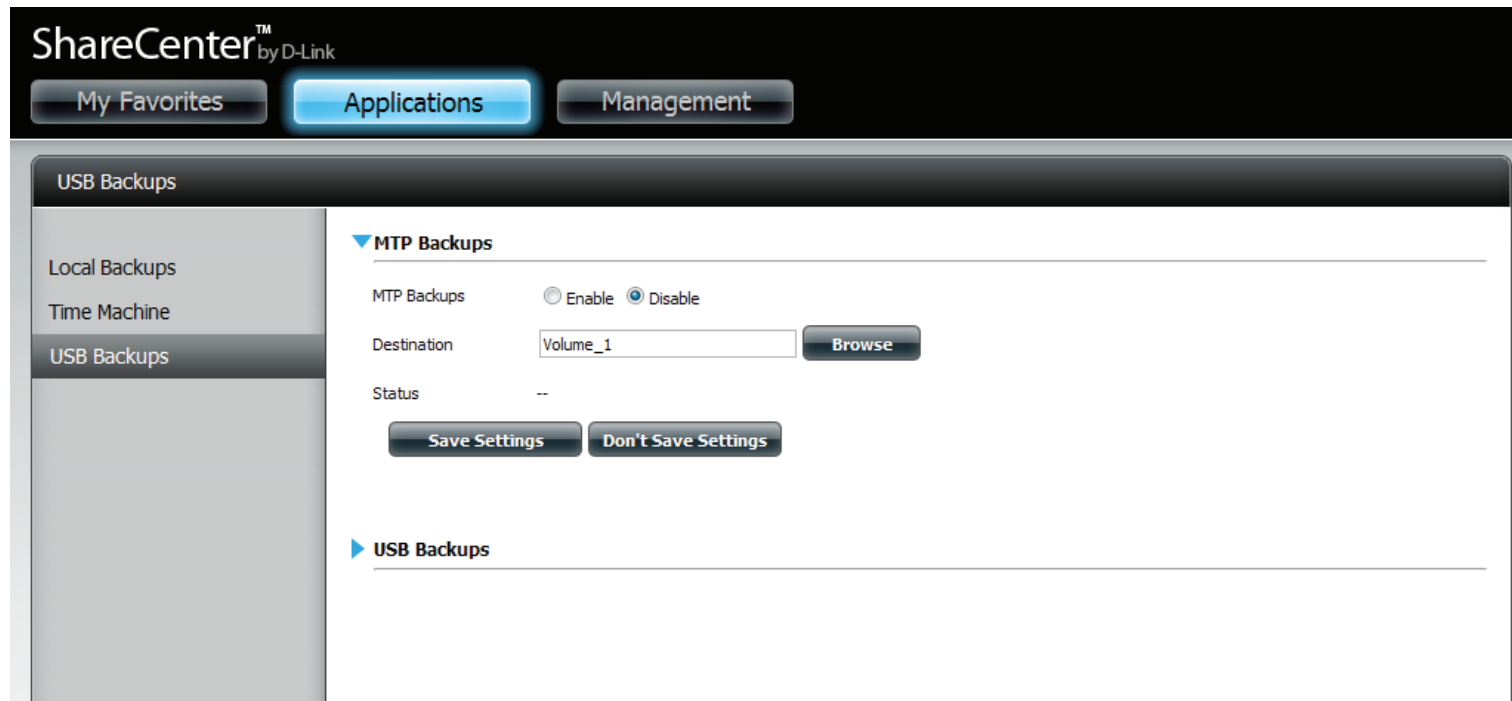
Share Name	Path
Volume_1	Volume_1
sting	Volume_1/sting

10 Page 1 of 1 Displaying 1 to 2 of 2 items

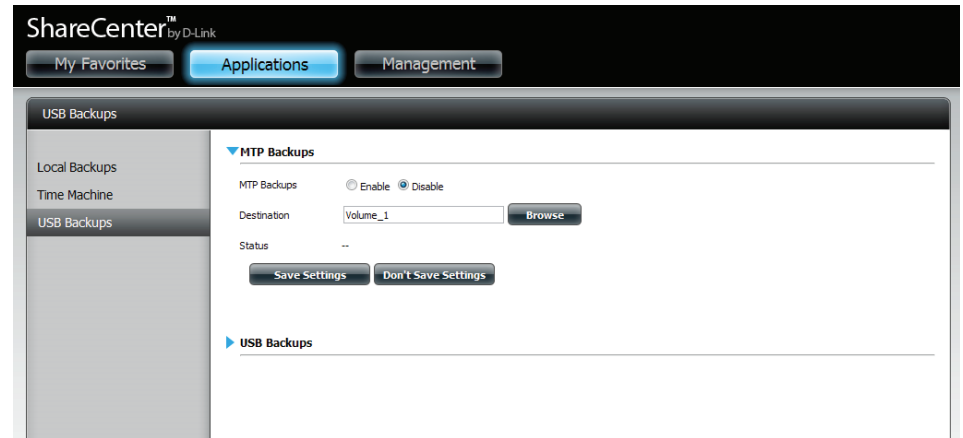
Applications - Local Backups - USB Backups

This section allows the user to configure the ShareCenter so that it becomes a backup destination for USB Storage device that is connected to your DNS-315. You can connect a USB flash drive or an external hard drive to copy data from your NAS to the external storage.

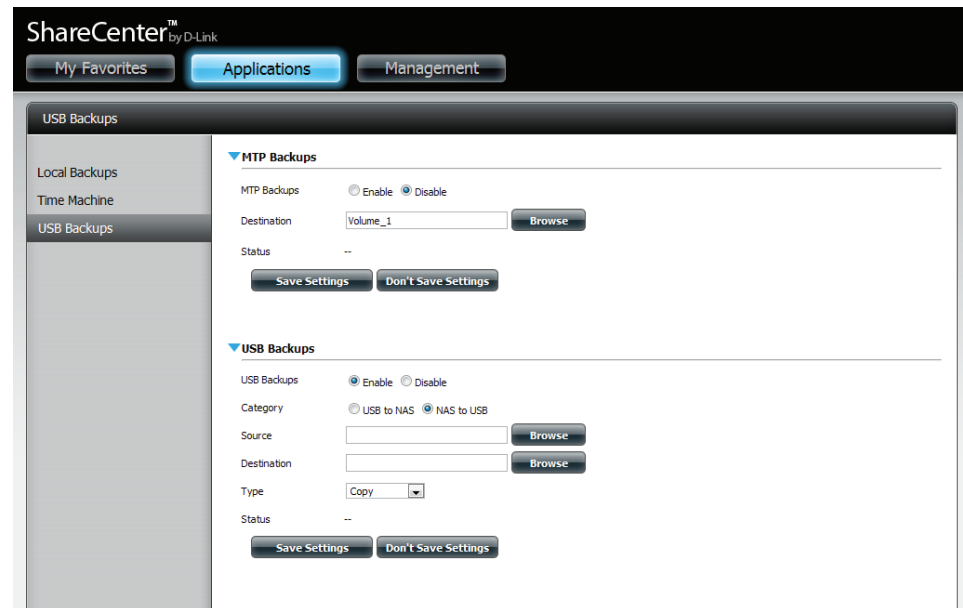
MTP Backups is a data solution that continuously secures your data and makes restoration easy. It allows for digital media data to be synchronized between your NAS and portable devices. The main benefit to using MTP backups are that there are no need for drivers. It is driverless. The protocol resides on the NAS and all configurations take place between your NAS and the portable device.



Click Applications, Local Backup, USB Backups. Click Browse under Destination. Find the volume you want to backup to and click Save Settings. All files in this volume now supports MTP.



Under USB Backups click the Enable radio button. Under Category, select your USB backup format, USB to NAS or NAS to USB. Browse for your source.



Under Source, select the path where you want to backup.
Click Apply.



Click Browse to find the destination. Select the path or USB device for your backup.



Select the Type you wish to copy. Click Save Settings.

The screenshot displays the 'ShareCenter™ by D-Link' interface with the 'Applications' tab selected. The main content area is titled 'USB Backups' and features a left-hand navigation menu with 'Local Backups', 'Time Machine', and 'USB Backups' (the latter being highlighted). The main panel is divided into two sections: 'MTP Backups' and 'USB Backups'.
MTP Backups Section:
- 'MTP Backups' is set to 'Disable' (radio button selected).
- 'Destination' is 'Volume_1' with a 'Browse' button.
- 'Status' is '--'.
- 'Save Settings' and 'Don't Save Settings' buttons are present.
USB Backups Section:
- 'USB Backups' is set to 'Enable' (radio button selected).
- 'Category' is 'NAS to USB' (radio button selected).
- 'Source' is 'Volume_1' with a 'Browse' button.
- 'Destination' is 'USBDisk1_1' with a 'Browse' button.
- 'Type' is set to 'Copy' in a dropdown menu.
- 'Status' is '--'.
- 'Save Settings' and 'Don't Save Settings' buttons are present.

Applications - P2P Downloads - Settings

Within this menu you can configure the P2P download management settings

- P2P** Here the user can enable or disable the peer to peer function.
- Disable** In the block provided the user can configure the running schedule for P2P downloads. Simply select the 'Start' and 'Stop' block for the appropriate Date and Time.
- Auto Download** Here the user can enable or disable the automatic download option.
- Port Settings** Here the user can choose to allow the device to automatically choose an incoming connections port or you can configure the incoming connections port manually.
- Seeding** Here the user can configure some seeding options.
- Torrent Save Path** Here the torrent path will be displayed.
- Encryption** Here the user can choose to enable or disable the encryption used.
- Bandwidth Control** Here the user can choose to allow the device to automatically choose the bandwidth control speed, or you can manually configure the maximum download rate and maximum upload rate. Enter the value '-1' to set the respective field to 'unlimited'.
- Save Settings** Click this button to save the changes you have made.
- Don't Save Settings** Click this button to discard all changes made.

Applications - P2P Downloads - P2P Settings

P2P Downloads

Downloads

Settings

▼ P2P Settings

P2P Enable Disable

Start Download Stop Download

Date\Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sun																								
Mon																								
Tue																								
Wed																								
Thu																								
Fri																								
Sat																								

Auto Download Enable Disable

Port Settings Automatic Custom

Incoming connections port (10000 ~ 65000)

Seeding Seed until removed

Stop seeding after minutes

Stop seeding when meet %

Torrent Save Path

Encryption Enable Disable

Bandwidth Control

Maximum Download Rate (Kb/S) Default:-1 (Unlimited)

Maximum Upload Rate (Kb/S) Default:-1 (Unlimited)

Save Settings **Don't Save Settings**

Applications - P2P Downloads - Downloads

Here the user can configure the Peer-to-Peer download manager settings.

Add Torrent from URL In the field provided you can copy and paste a link to a torrent file hosted on the internet. The BitTorrent download manager will add the torrent file to the download manager and begin downloading your files.

Add Torrent from File Here you can browse for a torrent file you have downloaded onto your PC. This allows you to load the torrent file from your local PC.

P2P Downloads list In this window all the running tasks will be displayed.

Remove Completed The user can click on the 'Remove Completed' button to remove finished downloads. Sometimes identifying finished jobs, when multiple downloads exist, can be difficult. This option makes it easy for the user to remove finished downloads from the list with a single click.

Detail The 'Details' button allows the user to view the files that are being downloaded for each torrent.

Top,Up,Down,Bottom The 'Top', 'Up', 'Down' and 'Bottom' buttons allow the user to move the selected P2P download in the task list. The downloads at the top of the list carry more priority than the one listed below them.

Delete The 'Delete' button allows the user to remove a selected download. This will remove not only the torrent file, but also the partially downloaded files too.

Start / Stop The start and stop button allows the user to start and stop selected P2P downloads in the task list.

Navigation At the bottom of the P2P Task window there are a couple of navigation controls. When multiple tasks exist, the user can select how many tasks will be displayed by using the drop-down menu. The user can also navigate to next pages when more than one page exists.

Refresh The refresh button allows the user to refresh the P2P task list to display the most updated statistics.

Torrent Scheduling The 'Torrent Scheduling' button allows the user to configure a scheduling rule for the selected P2P downloading task. This button will appear when Auto Download is enabled.

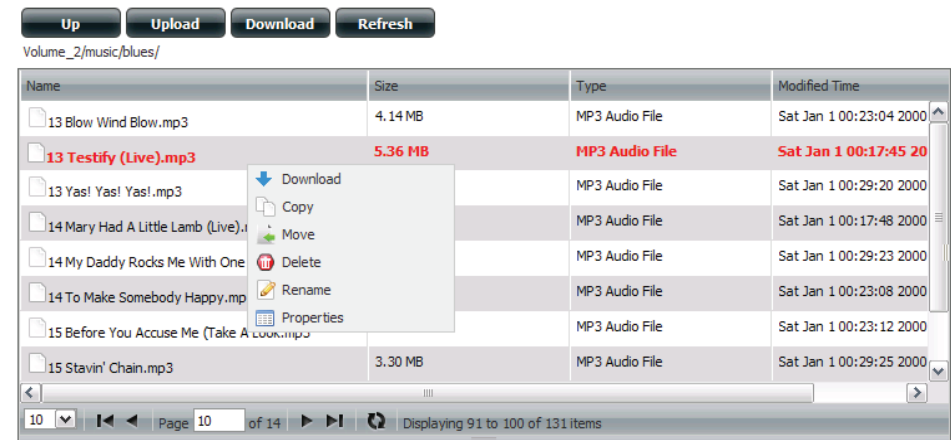
Applications - P2P Downloads - Downloads

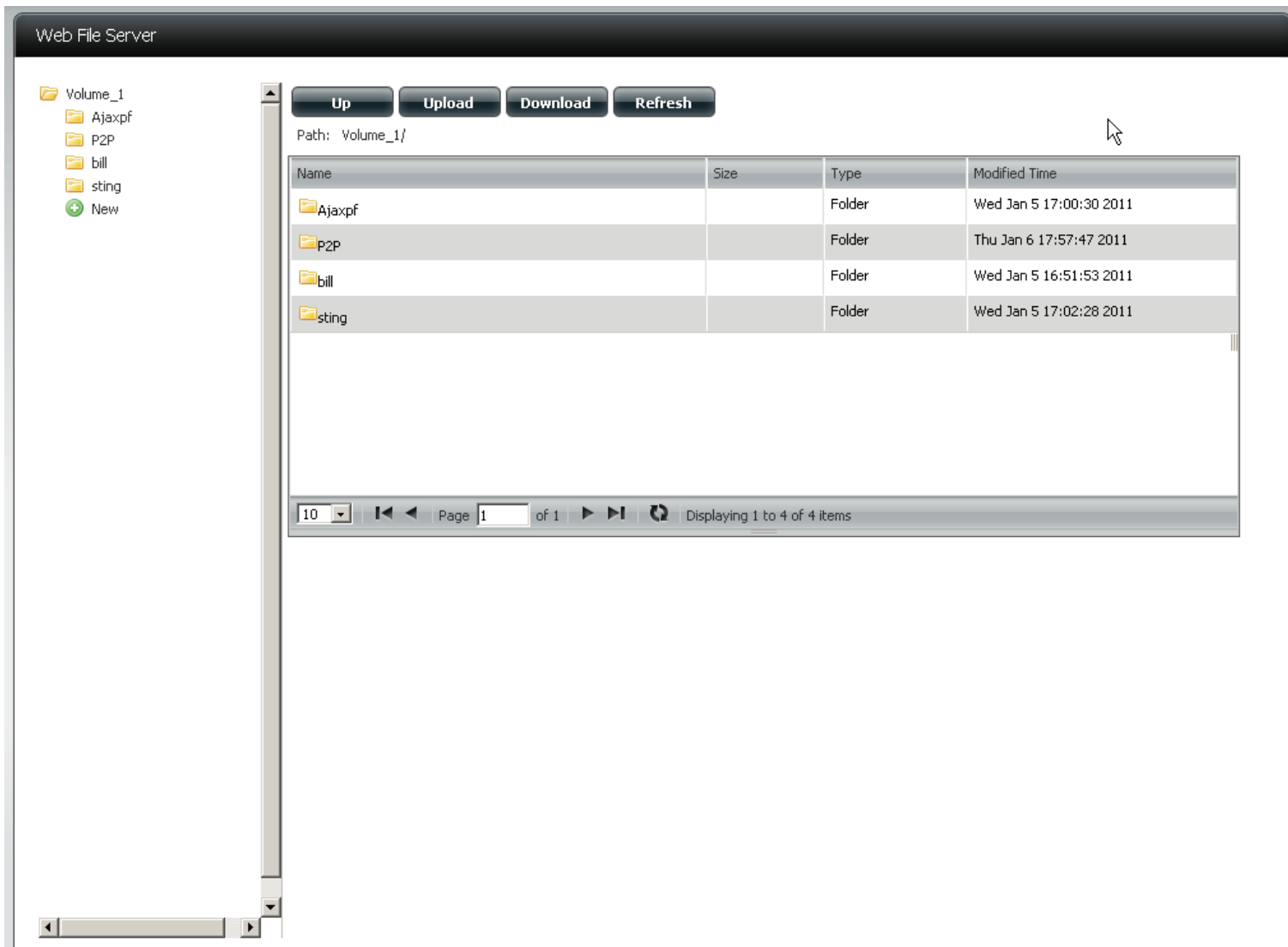
The screenshot displays the 'P2P Downloads' management interface. On the left is a sidebar with 'Downloads' and 'Settings' options. The main area features a 'P2P Downloads' section with two methods for adding torrents: 'Add Torrents From URL' (with an input field and 'Add Torrent' button) and 'Add Torrent From File' (with a 'Choose File' button, 'No file chosen' text, and 'Add Torrent' button). Below these are navigation buttons: 'Remove Completed', 'Torrent Scheduling', 'P2P Detail', 'Top', 'Up', 'Down', 'Bottom', and 'Delete'. A table with the following columns is shown: Name, Priority, Schedule, Size, Progress, Status, and DL/UL Speed. The table is currently empty. At the bottom, there is a pagination control showing 'Page 1 of 1' and a status message 'No items'.

Applications - Web File Server

Whenever you cannot mount the network shares of your NAS, use the Web File Server to access the files using a browser over the internet. If the network, that your ShareCenter is connected to, is using NAT, you will need to forward HTTP port 80 across your router for access over the internet.

- Up** Left click the Up button to go up (or back) one directory in the folder structure of the network share selected.
- Upload** Select a destination folder in a network share by navigating in the folder view on the left. Then left click the Upload button to open a dialogue window where you can browse to select a file on your computer for uploading to the selected destination folder.
- Download** Select a file for download to your computer by navigating in the folder view on the left. When you have found the file left click on it in the folder and file list in the center of the browser so that it is highlighted in red. Then click on the Download button and save or open the file as needed.
- Refresh** Left click the Refresh button to update the folder and file view of the Web File Server.
- Download** Downloads the selected file to your computer.
- Copy** Clicking the copy selection copies the file to the clipboard and opens a wizard to allow you to select the folder to paste the copy of the file to. Once you have chosen the folder clicking OK will paste the file in that folder.
- Move** Moves the file to a new folder on disk.
- Delete** Removes the selected file from disk.
- Rename** Allows you to configure a new file name for the selected file.
- Properties** Displays the file properties such as ownership, access rights and modify time..

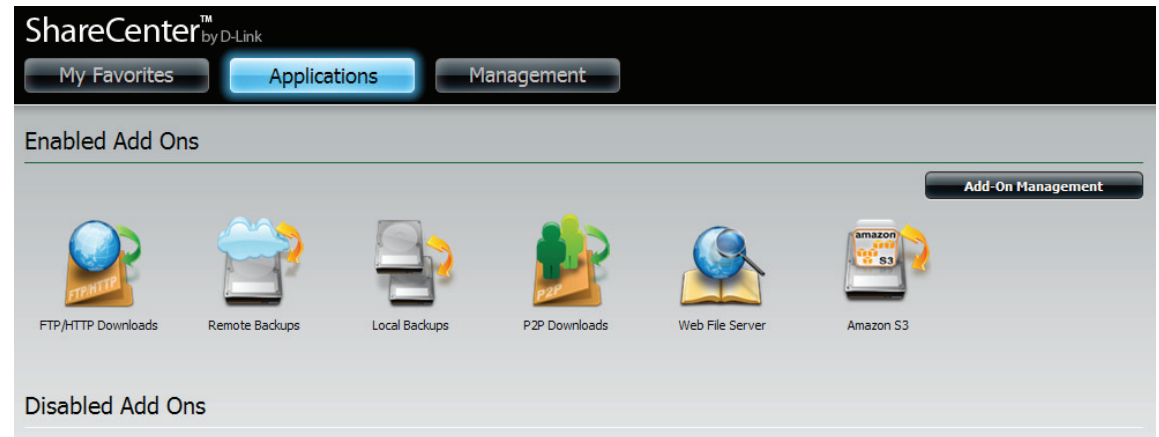




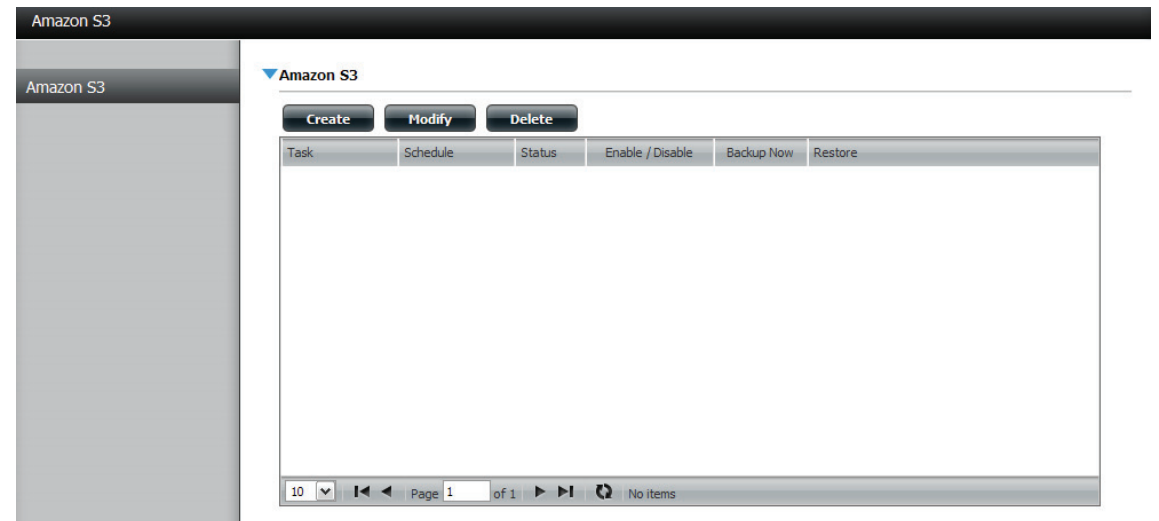
Applications - Amazon S3

Setting up Amazon S3 on your DNS-315 is subject to you setting up an account with the Amazon S3 service. if you are not sure as to how to go about it, please consult the Amazon S3 How-To guide for more information.

Step 1: Click on the ShareCenter's **Applications** tab and then click the **Amazon S3** icon to launch the Amazon S3 configuration window.



Step 2: To create the scheduled backup from the ShareCenter to the Amazon S3 bucket, click on the **Create** button to launch the wizard which will step you through the configuration.

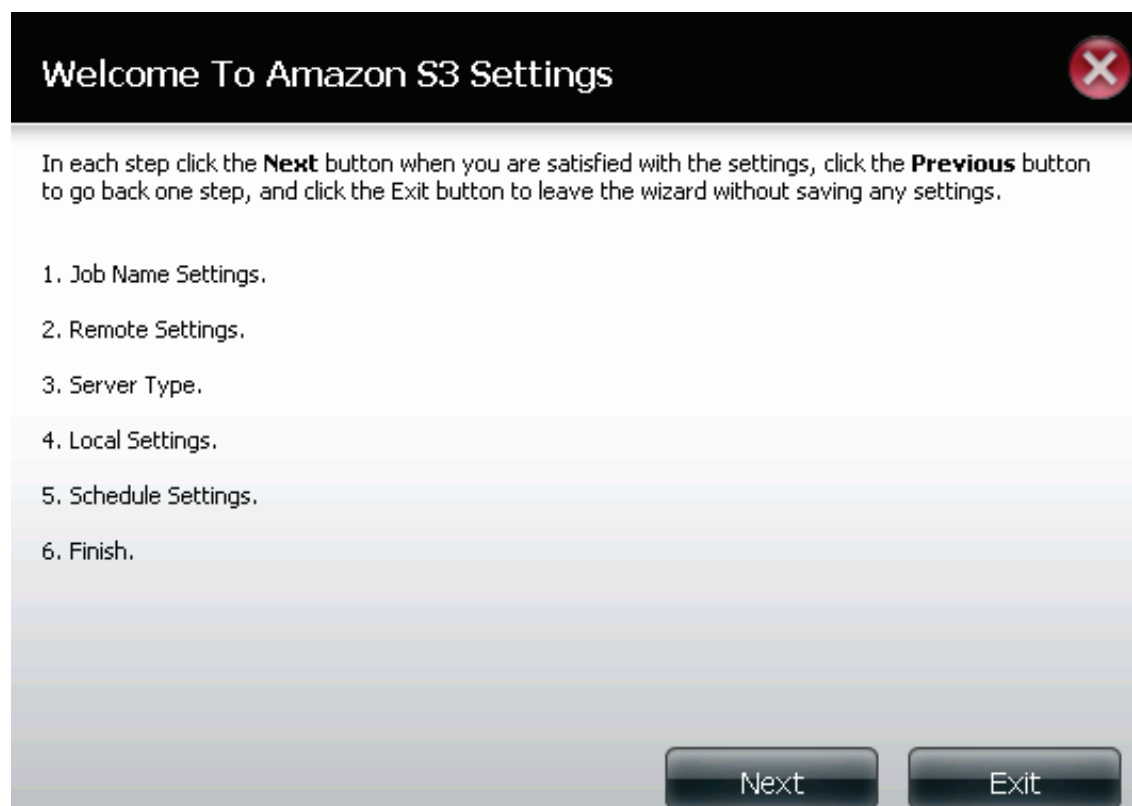


Applications - Amazon S3 - Setup Wizard

Step 1: There are 6 steps to creating the Amazon S3 Backup:

1. Set a user defined name for the backup job.
2. Input your Amazon S3 credentials and configure the bucket name and regional Amazon server.
3. Set the type and direction of the backup.
4. Configure the local network share from where data will be backed-up to or from.
5. Set when the backup will be performed.
6. Review all your settings.

This first window of the configuration window shows the 6 steps to follow in the subsequent wizard windows. In each window click the **Next** button to proceed to the next window if you are satisfied with your settings. Click the **Previous** button if you want to go back to check your settings in prior windows, and finally if you want to exit the wizard without making changes click the **Exit** button.



Applications - Amazon S3 - Setup Wizard

Step 2: Input a job name for this backup. Make sure to name the backup in a way that you can identify it in case you decide to create multiple backups on your ShareCenter.



Step 1: Job Name Settings

Input a 16 character string that identifies either the upload to cloud or download from cloud job to be created. The string cannot contain spaces and the following characters are allowed: a-z, A-Z, 0-9.

Job Name

Previous Next Exit

Applications - Amazon S3 - Setup Wizard

Step 3: You should have received an Access Key and Secret Access Key in the email from Amazon AWS services when your account was confirmed. Input those two credentials along with the name of the bucket (Remote Path) with the Region server selected when you created the bucket.

Step 2: Remote Settings

Input your Amazon S3 assigned **Access Key ID** and **Secret Access Key** which will allow your ShareCenter access to your Amazon S3 Cloud Storage. In the **Remote Path** field, input a new or already existing Amazon S3 **Bucket** name. This is a folder on the Cloud Storage that your data will be written to or read from. Finally select the appropriate region which will give you the best service for reading from or writing to the Amazon S3 Cloud.

Access Key ID: BK1B1BUAXUJUANBHKJSSD2E

Secret Access Key:

Remote Path: shareCenterPhotos

Region: United States

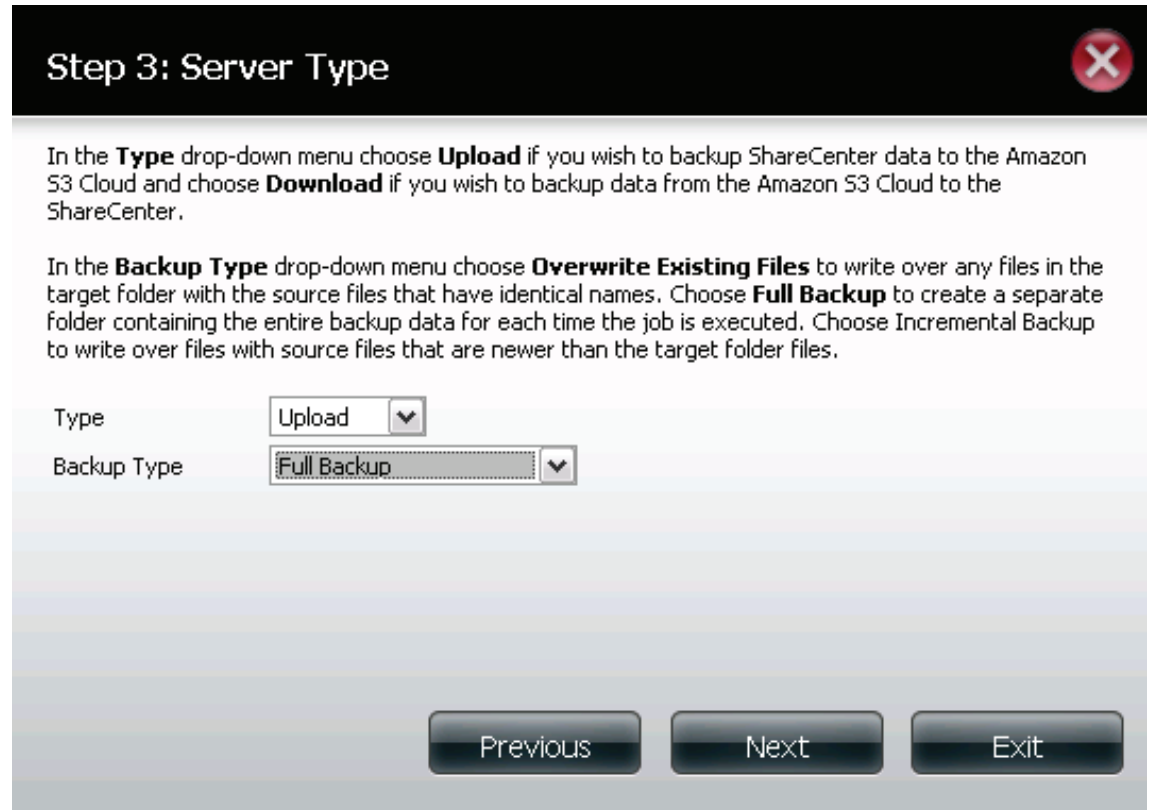
Previous Next Exit

Applications - Amazon S3 - Setup Wizard

Step 4: In Step 3 of the wizard set the direction of the backup using the **Type** parameter. You can select Upload to backup from the ShareCenter network share to the Amazon S3 bucket or Download to backup from the Amazon S3 bucket to the ShareCenter network share.

Set the **Backup Type** parameter to set the Backup job to either:

- *Overwrite Existing Files* to write over any files in the target folder with the source files that have identical names.
- *Full Backup* to create a separate folder containing the entire backup data for each time the job is executed.
- *Incremental Backup* to write over files with source files that are newer than the target folder files



Step 3: Server Type

In the **Type** drop-down menu choose **Upload** if you wish to backup ShareCenter data to the Amazon S3 Cloud and choose **Download** if you wish to backup data from the Amazon S3 Cloud to the ShareCenter.

In the **Backup Type** drop-down menu choose **Overwrite Existing Files** to write over any files in the target folder with the source files that have identical names. Choose **Full Backup** to create a separate folder containing the entire backup data for each time the job is executed. Choose **Incremental Backup** to write over files with source files that are newer than the target folder files.


Type: Upload

Backup Type: Full Backup

Previous Next Exit

Applications - Amazon S3 - Setup Wizard

Step 5: In Step 4 of the wizard you can set the local path. Click on the Browser button to browse to the network share of the ShareCenter where the data will be backed up to or from.



The screenshot shows a window titled "Step 4: Local Settings" with a close button in the top right corner. The main text reads: "In the **Local_Path** field input the full path name to the folder that will be either the source or target directory for the job. For e.g. Volume_1/backup_docs". Below this text, there is a label "Local Path" followed by a text input field containing "Volume_1" and a "Browser" button. At the bottom of the window, there are three buttons: "Previous", "Next", and "Exit".

Applications - Amazon S3 - Setup Wizard

Step 6: In Step 5 select the appropriate **Schedule Mode** to set when the backup is to be executed. Click on **Manual** to start the backup later using a button that must be manually clicked on. Click on **Once** to **schedule** a date and time to run the job one time only. Click on **Schedule** to set a daily time when the job is to be run.

Step 5: Schedule Settings

Select the appropriate **Schedule Mode** to set when the job is to be executed. Click on **Manual** to start the job later using a button that must be manually clicked on. Click on **Once** to schedule a date and time to run the job one time only. Click on **Schedule** to set a daily time when the job is to be run.

Schedule mode Manual Once Schedule

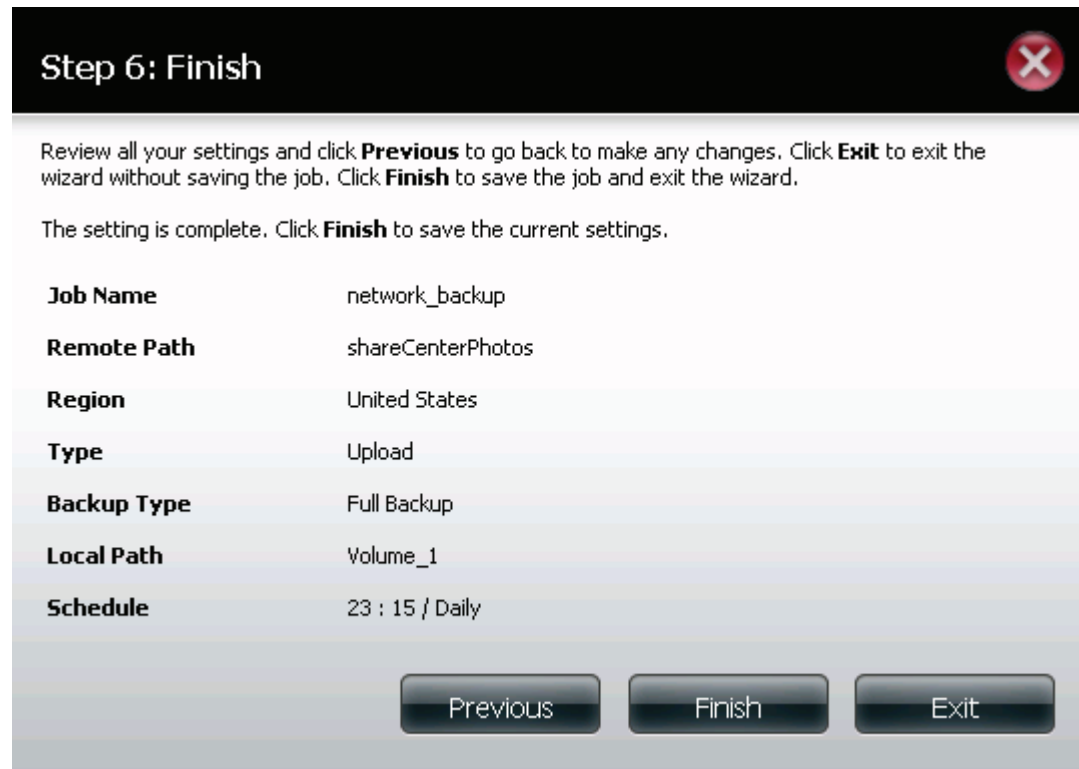
Daily

Time :

Previous Next Exit

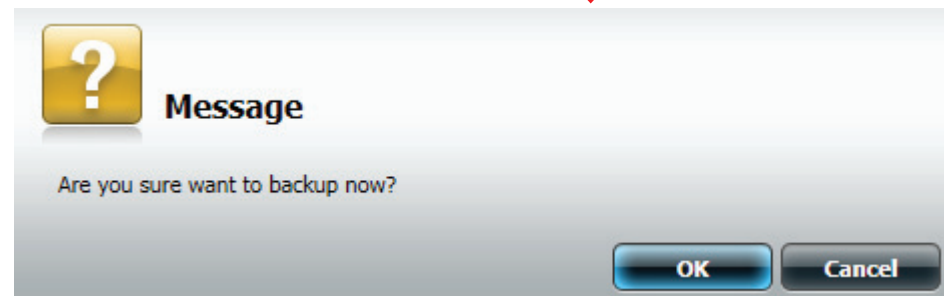
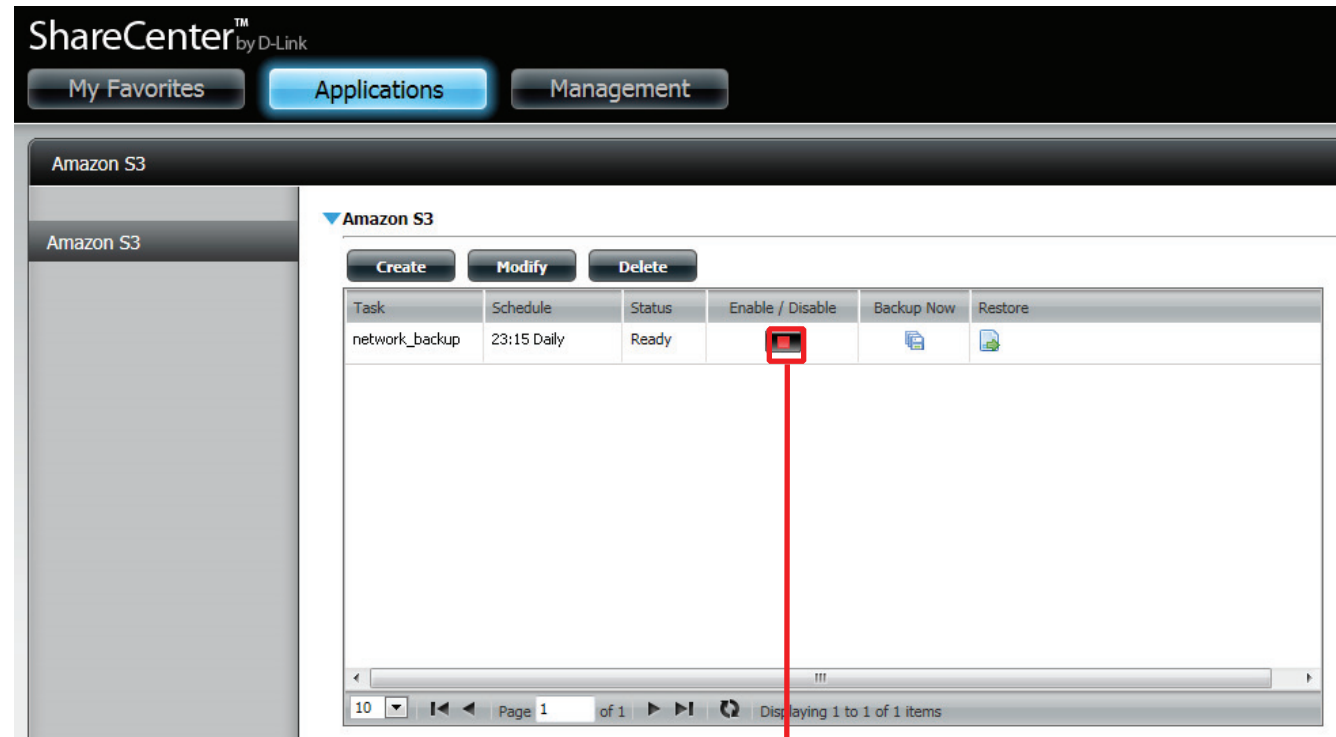
Applications - Amazon S3 - Setup Wizard

Step 7: In Step 6 review all your settings and click **Previous** to go back to make any changes. Click **Exit** to exit the wizard without saving the job. Click **Finish** to save the job and exit the wizard.



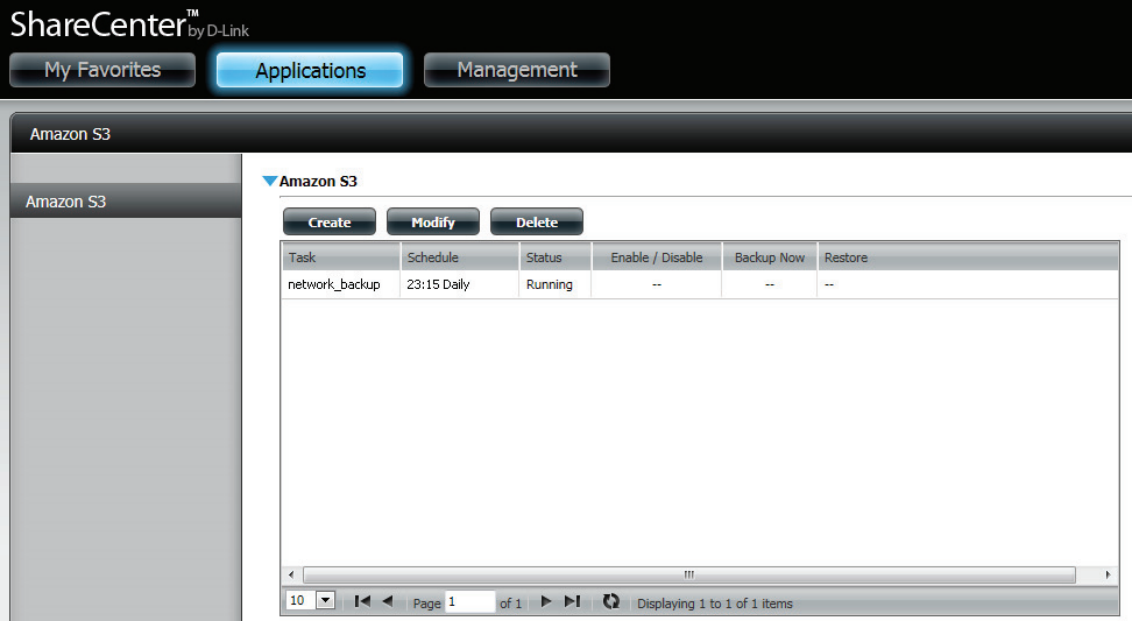
Applications - Amazon S3 - Backup

Step 1: Now that you have created a Amazon S3 Task you can either wait for the Task to execute per its schedule or click the Backup Now icon to execute it immediately. A dialog box will ask you to confirm the backup as shown below.



Applications - Amazon S3 - Backup

Step 2: When the backup is executing the Status field should show Running.



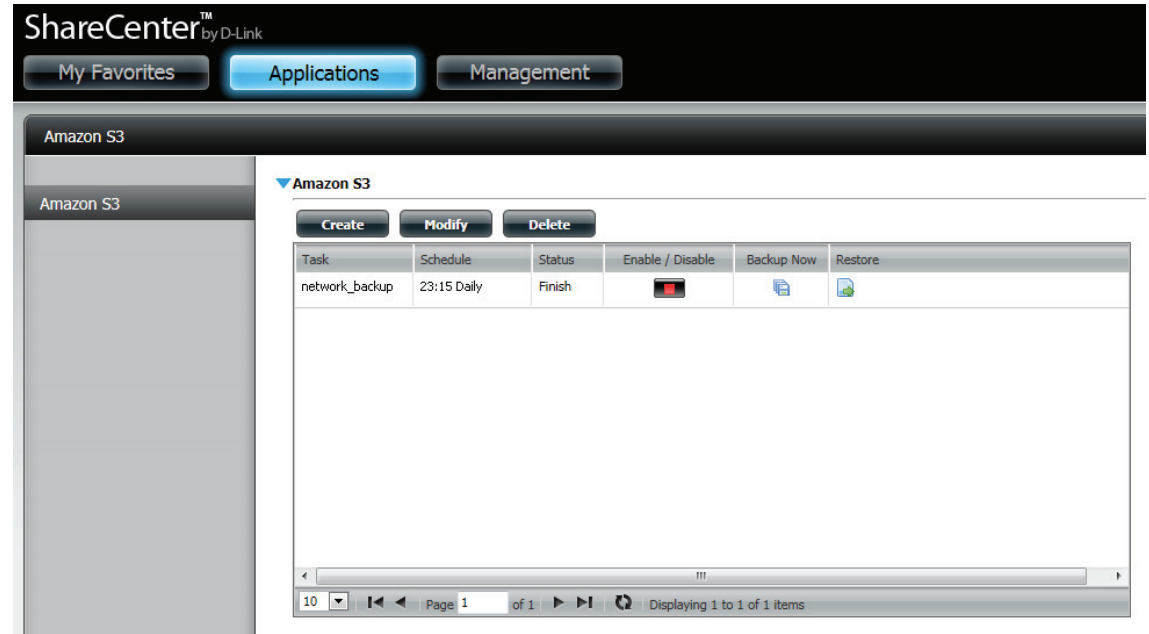
The screenshot displays the ShareCenter™ by D-Link interface. At the top, there are navigation buttons for 'My Favorites', 'Applications' (which is highlighted), and 'Management'. Below this, the 'Amazon S3' section is visible. On the left, there is a sidebar with 'Amazon S3' listed. The main content area shows a table of backup tasks. Above the table are buttons for 'Create', 'Modify', and 'Delete'. The table has the following data:

Task	Schedule	Status	Enable / Disable	Backup Now	Restore
network_backup	23:15 Daily	Running	--	--	--

At the bottom of the interface, there is a pagination bar showing 'Page 1 of 1' and 'Displaying 1 to 1 of 1 items'.

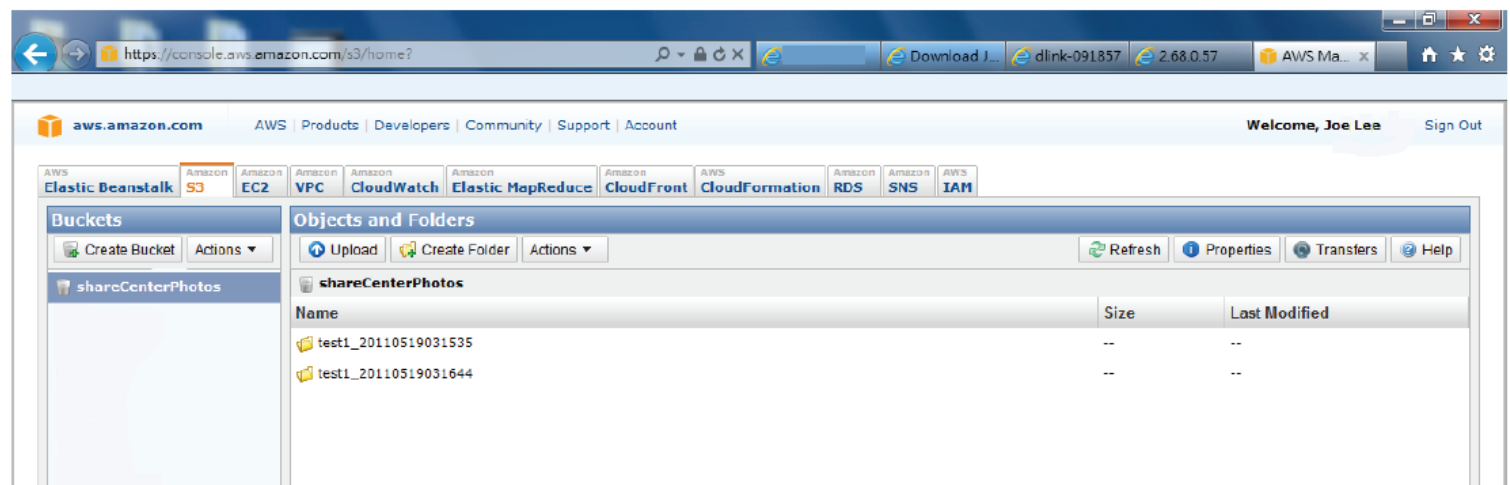
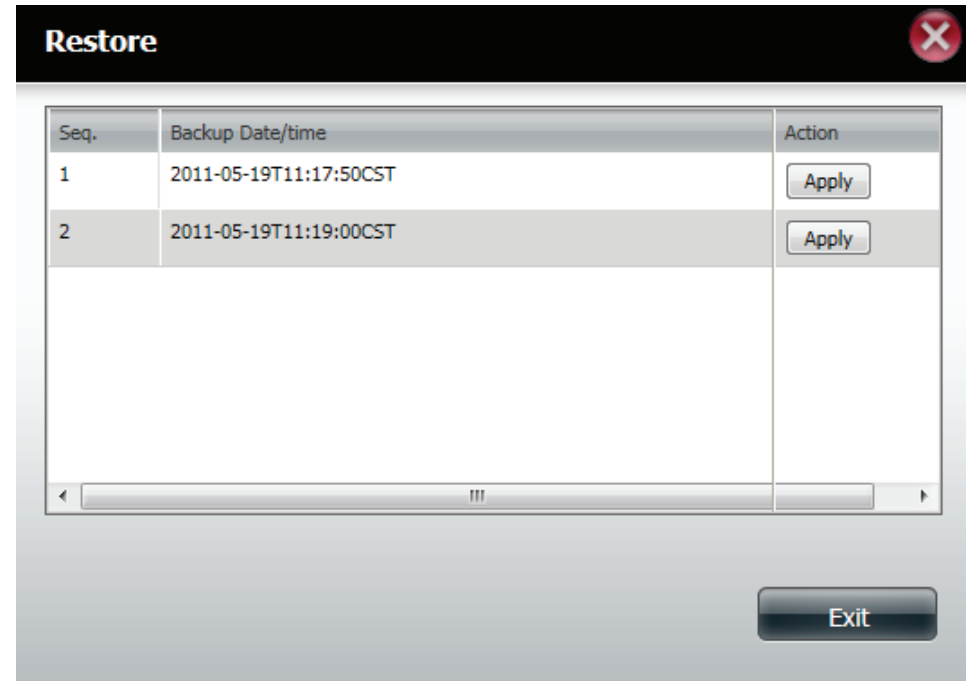
Applications - Amazon S3 - Backup

Step 3: When the backup is complete the Status field will display Finish. If your source files that you backed up are now missing or damaged at anytime you can now click the Restore icon in the Amazon S3 Task table and the files can be restored as required. When you click the restore button in the table a dialog window will ask you which Backup date you wish to restore (see the next page).



Applications - Amazon S3 - Restore

Step 4: After clicking the Restore icon in the Amazon S3 Tasks table the Restore window below will be presented. Click the **Apply** button next to the backup date that is appropriate to restore all the data to the original source of the backup. In this example below after the Apply button is clicked two folders are uploaded.



My Favorites

The My Favorites tab allows you to add any icon you routinely access from the Applications or Management Tab in one convenient location for easy and quick access. You can add icons to the My Favorites tab using two different methods:

Re-arranging the My Favorites View

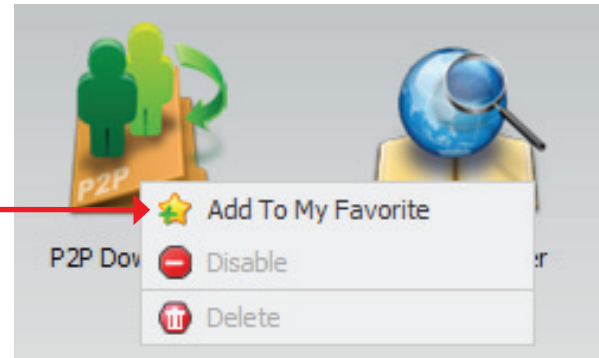
Within the My Favorites tab you can arrange the layout of the icon order according to your needs. To move the position of an icon, left click and drag the icon to a new position anywhere in the current icon locations. Once you have dragged the icon to the new location release the mouse button and the other icons will automatically reorder themselves.



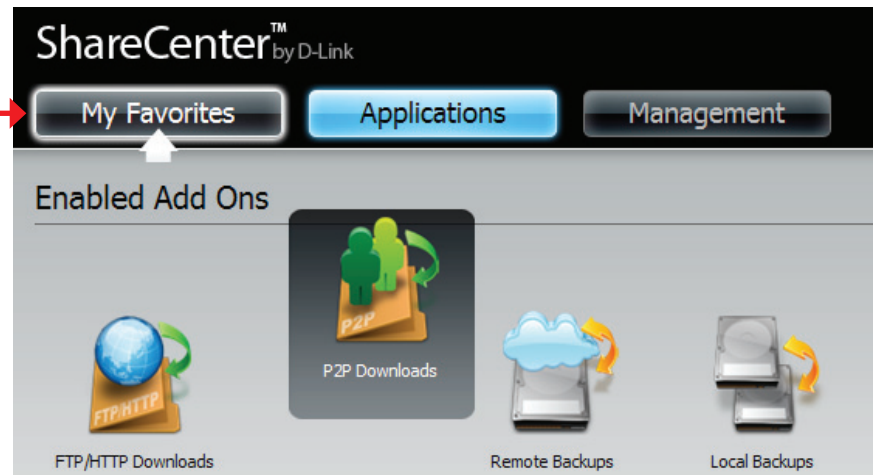
Add an Icon to My Favorites

There are two methods to add an Icon alias to My Favorites either right click the icon and select: Add to My Favorites as per item 1 below or use the Drag and Drop method as per item 2. below.

1. Right click on an icon in the applications or management tab and click on the "Add to My Favorite" menu item from the command list that appears.



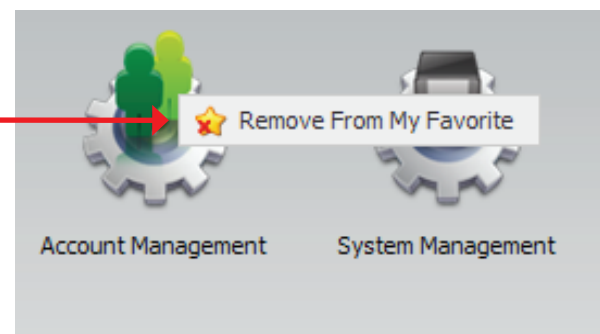
2. While holding the left button down over the icon drag it over the My Favorites tab (drag and drop method). You will see an white arrow pointing to the My Favorites tab which is highlighted when you start to drag the icon



Remove an Icon from My Favorites

To remove an Icon alias from the My Favorites tab simply right click on it and select Remove From My Favorite in the context selection that appears.

Right click an Icon alias in the My Favorites tab and select the Remove From My Favorite option. The Icon alias should disappear from the My Favorites tab view.



Mapping a Drive

You can use the D-Link Storage Utility to map drives to your computer. Insert the ShareCenter™ CD into your CD-ROM drive.



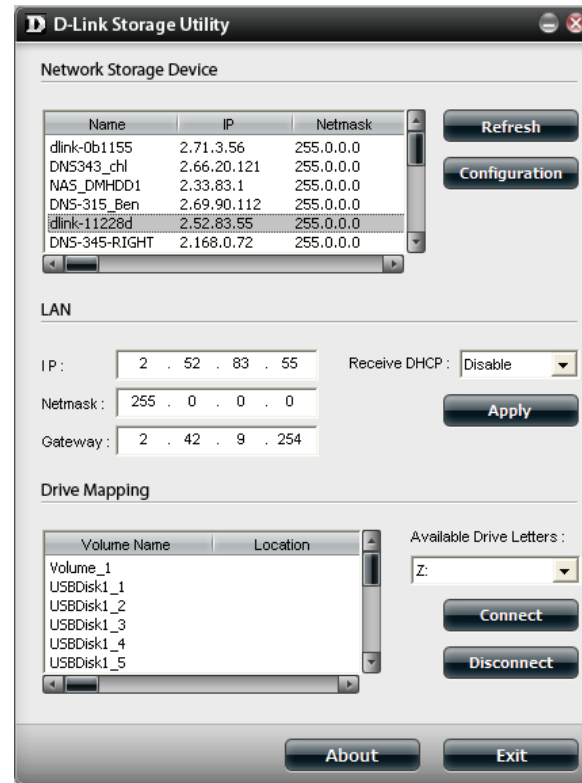
The Storage Utility will load and detect any ShareCenter devices that are on the local network.

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

Highlight an available ShareCenter.

Available Volumes will be displayed under Drive Mapping. Highlight the volume you want to map.

Select an available drive letter from the drop-down menu and click **Connect**.



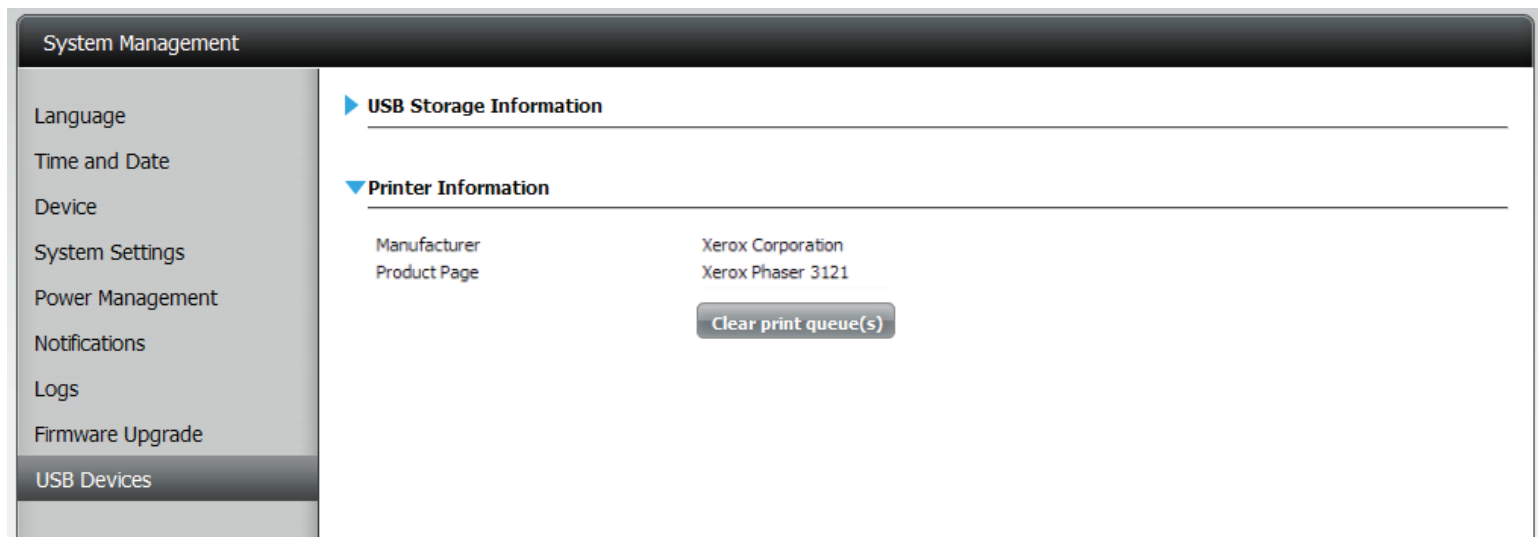
Once connected, your mapped drive(S) will appear in my Computer.

USB Print Server

The ShareCenter™ 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 front of the ShareCenter™. It is important to ensure that any of the printer manufacturer's drivers are already installed or available on any computer you want to print from.

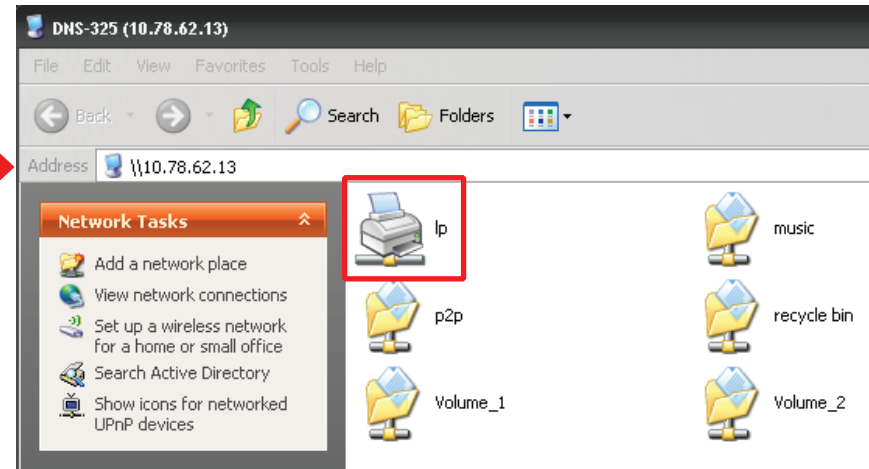
Note: Only Printer function is supported. The ShareCenter does not support the copy and scan functions of Multi-Function Printers.

To add a printer connect your printers USB cable to the USB port of your ShareCenter:



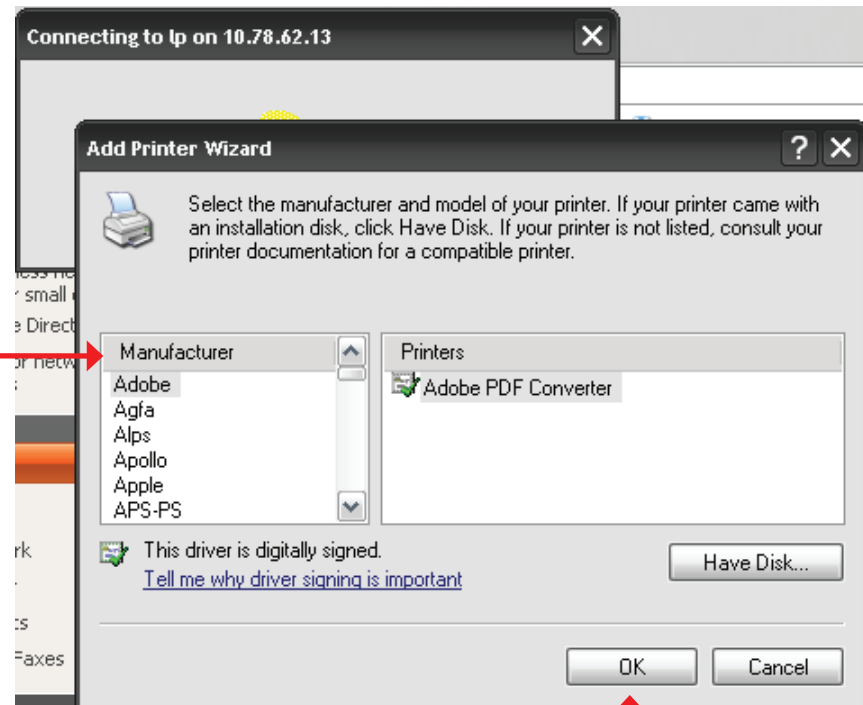
The printer should appear in your in the System Info menu of the Status icon:

Connect to your ShareCenter with Samba and then double click the lp icon.

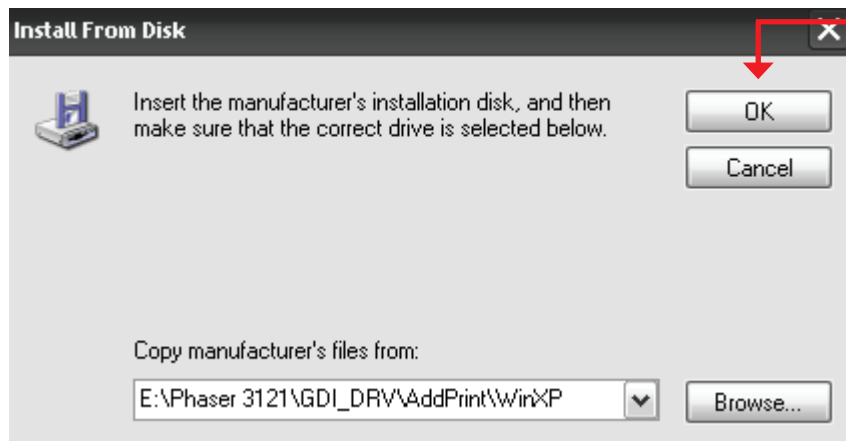


The Windows® Add Printer Wizard will launch:

Select the printer driver from the installed Manufacturer list or use the Have Disk button to browse for the printer driver file.

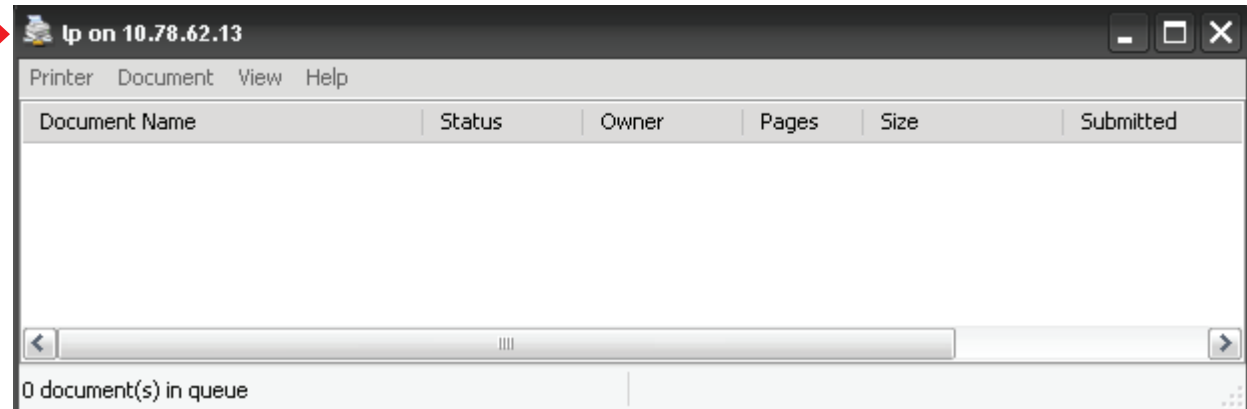


Click OK to continue.



Once you have selected the proper driver as shown in the browse list then click **OK** to install the printer.

The printer is now installed and the printer queue will appear.



USB Copy Function

The ShareCenter supports an option where the user can enter a USB storage medium into the USB port and with a click of a button automatically copy the contents of the USB storage medium into a folder on the ShareCenter.

Step 1: Insert a USB storage device into the **USB port**, located on the front panel of the ShareCenter. The **USB Light on the front panel** will start to flicker and once it is on and solid, then the USB storage is ready for use.

Step 2: To copy the contents of the USB storage to a folder on the ShareCenter press and hold the USB COPY/ UNMOUNT button for 1 second. The ShareCenter will create a new folder in the Volume 1 folder and will copy all the files from the USB storage to this folder.

Step 3:

To **unmount** the USB storage device after the copy is complete, press and hold the USB COPY/ UNMOUNT button for 5 seconds. When the **USB Light** has switched off, then the USB storage un-mounted successfully and is ready to be removed.

To check whether the USB storage device is connected successfully, the user can navigate to the **System Info** menu of the **System Status** icon in the Management Tab of the Web GUI of the ShareCenter and view the **USB Information** section.

Note: It is a very good practise to un-mount an USB storage device before removing it from a USB port.

