

Giga NAS Landisk

[Wireless
Network Attached Storage (NAS)
From Plextor]



V1.02

Includes

- ☆ **Features Description**
- ☆ **Quick Install**
- ☆ **Detailed Setup Guide**
- ☆ **Tools Guide**

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Properly shielded and grounded cables and connectors must be used to meet FCC emission limits. Plextor is not responsible for any radio or television interference caused by using other than recommended cables or connectors.

Unauthorized changes or modifications to the equipment could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation.

This FCC Statement applies to these NAS models:

PX-WNAS500L, PX-WNAS750L, PX-WNAS1000L and enclosed variants that are materially similar to the tested NAS devices.

Pertinent testing documentation is available for verification.

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What's in the box

Plextor StorX Unit (HDD installed)
Vertical stand
RJ-45 Cable
2x Antenna
Power Supply
Power Cable EU
Power Cable UK
Quick Start Guide
CD

Introduction

Congratulations on purchasing your Plextor StorX Network Attached Storage (NAS) device. With your Plextor StorX you are able to:

1. Easily set up users, groups and folders
2. Set accessibility rights such as; No accessibility to other users, Read only to other users, and Read/Write to other users.
3. Backup your data over the network
4. Backup USB device to NAS HDD with innovative One Touch Backup
5. Connect additional USB storage and printer via USB 2.0 connections
6. Backup and share files via FTP client
7. Play media files via UPnP client

All these features provide excellent data storage and sharing solution for your small business, SOHO (Small Office or Home Office), or personal requirements.

- ☆ Supports CIFS/SMB for Microsoft Network allowing remote users to retrieve files easily using "My Neighborhood"
- ☆ WEB-based User Interface (UI) for easy configuration
- ☆ Supports 3.5" SATA HDD - up to 1TB
- ☆ Provides Password security for management & HD Access
- ☆ Embedded FTP server for FTP clients to transfer files
- ☆ Supports USB mass storage device
- ☆ One Touch Backup button for easy backup of files (from USB Device)
- ☆ Supports 32 concurrently connected users
- ☆ Supports user name & password for 50 users
- ☆ Built-in Samba server
- ☆ Supports access management for 300 folders
- ☆ Plextor StorX NET-Tool for user-friendly setup
- ☆ Supports static IP & DHCP client network environment.
- ☆ Supports Unicode for multiple-language characters
- ☆ Supports group access management
- ☆ Compatible with Windows XP, Vista & MAC OS X

PLEXTOR STORX



Connectors, Buttons and indicators

Rear Connections



Buttons and Indicators



Power Button
Power
LAN
HDD LINK
HDD ACCESS
USB II LINK
USB II ACCESS
USB I LINK
USB I ACCESS
Backup Button

LED Indicators

Power LED	Green	– System ready
LAN LED	Green	– Valid Connection at 10/100/1000 Mbps
HDD LINK	Green	– HDD ready
HDD ACCESS	Yellow	– Data transmitting on HDD
USB I / II LINK	Green	– Valid connection on USB I / USB II port
USB I / II ACCESS	Yellow	– USB I / II PORT Active

Quick Installation and set up and guide

By following this simple Quick Setup Guide, you will soon be enjoying your new high speed NAS.

This section shows you how to setup connections and format the hard drive of your Plextor StorX.

To set-up users, folders and groups please read the User Manual section.

1. Connect one end of the RJ-45 cable (supplied) to the LAN port on your Plextor StorX



2. Connect the appropriate power cord (supplied) to the power adapter



3. Connect the power adapter end to device



4. Connect the power cord end to outlet socket



5. Push the power button to power on



PLEXTOR STORX

Connecting your Plextor StorX to your Network

Copy the Plextor StorX Net-Tool software (supplied on CD) onto your PC (select Plextor StorX Net-Tool, right click, copy, then paste to your PC)

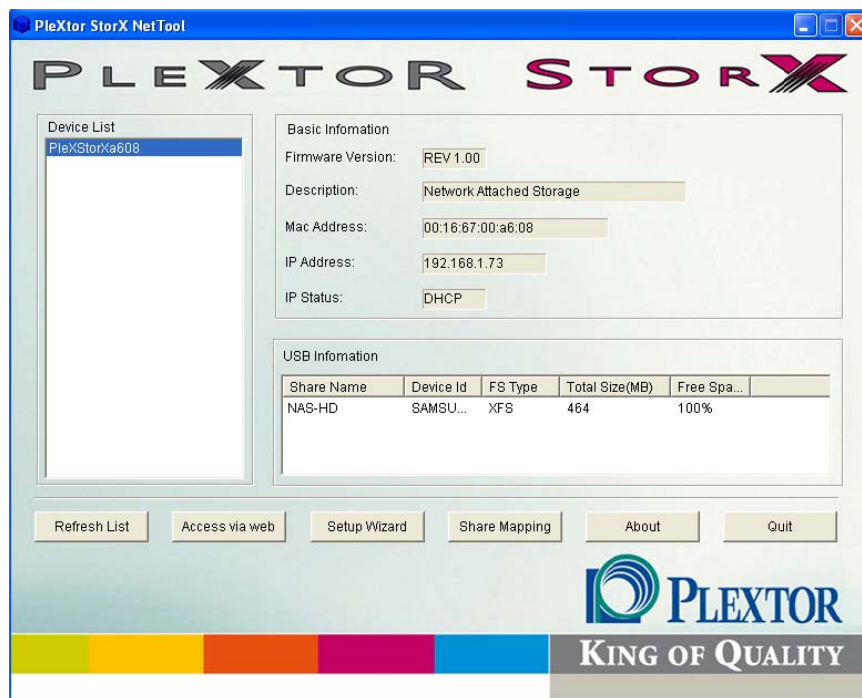
Connecting Plextor StorX to a DHCP Router, Hub/Switch

When you connect your Plextor StorX to a Dynamic Host Configuration Protocol (DHCP) device, the device assigns your Plextor StorX with a unique IP address.

You can confirm network connection and view IP address via the Plextor StorX NET-Tool

- Open the Plextor StorX Net Tool
- If no device is shown click Refresh
- Click on PlexStorXxxxx

Your Plextor StorX details will be shown

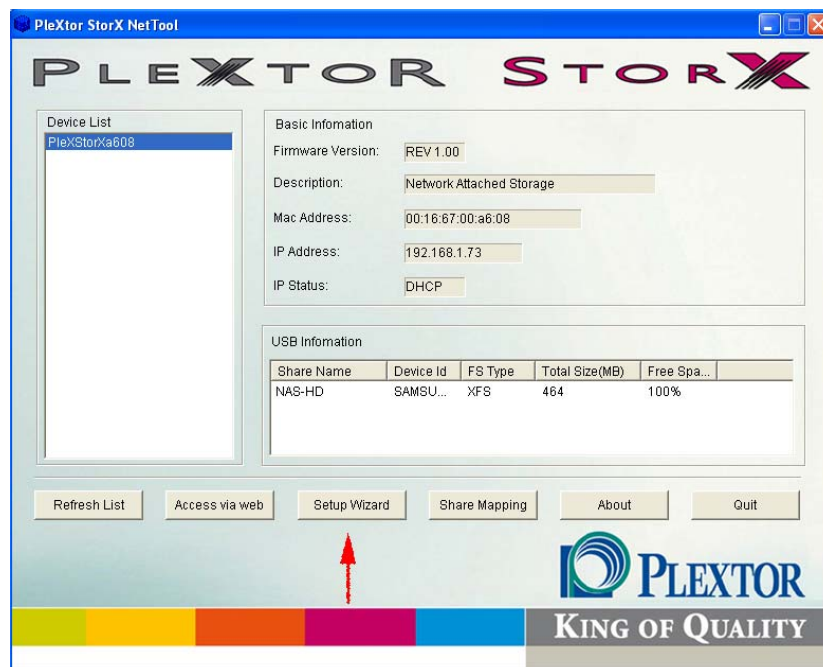


Go to page 11 of this user manual

Connecting Plextor StorX to a Static IP Address Router, Hub/Switch

Plextor StorX has a default IP address of **192.168.16.1**. In order to change this IP address to one within the range of your static IP address router, hub/switch, you must first connect the Plextor StorX to a PC via LAN connection (please disable any wireless connection on your PC before you attach Plextor StorX. Once finished setting up the static IP address you can re-enable the wireless connection).

- 1: Connect Plextor StorX directly to your PC via LAN cable
- 2: Open Plextor StorX NET-Tool on PC
- 3: Select device (PlexStorXxxxx)
- 4: Select Setup Wizard



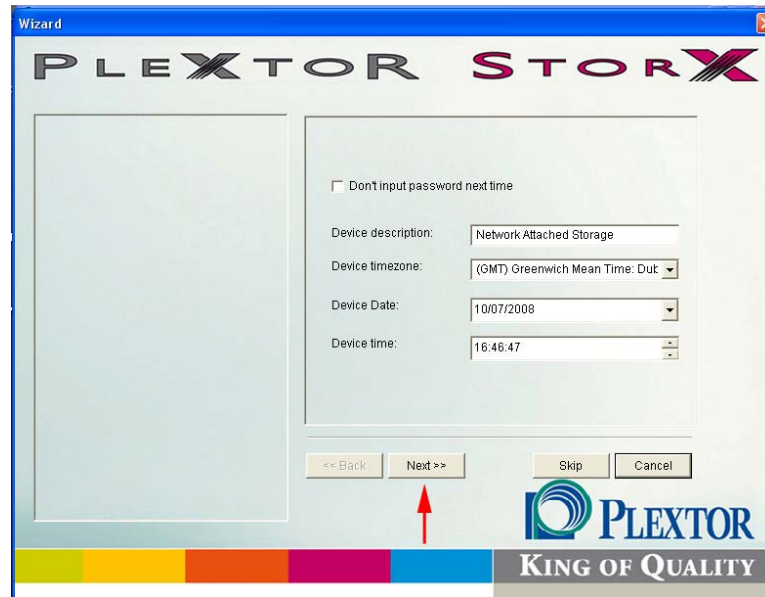
- 5: Enter default user name (admin) and password (root)



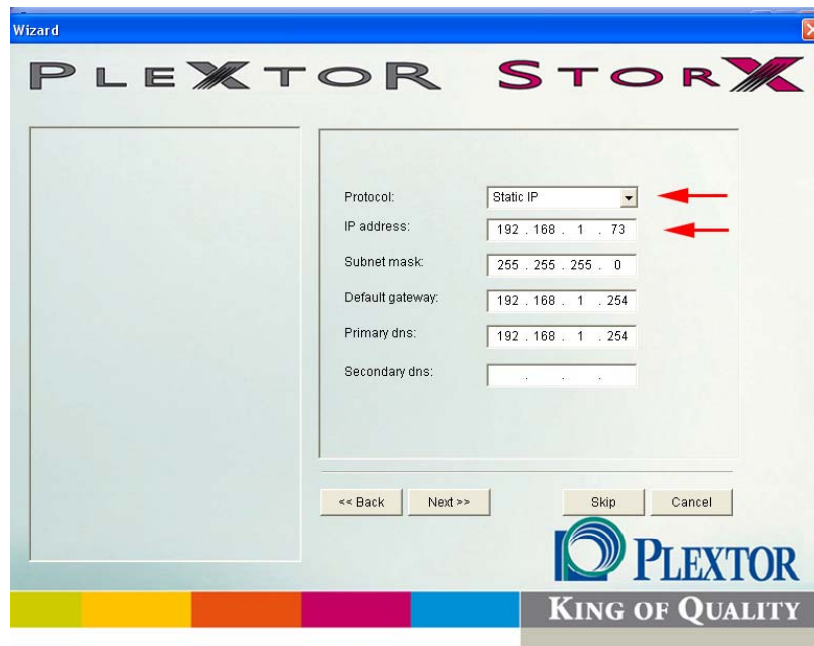
- 6: Click, **OK**

PLEXTOR STORX

7: Click Next, to skip past date & time setup (you can set this up later)



8: Enter a static IP address within the range of your Router, Hub/Switch
(See the user manual supplied with your Router, Hub/Switch)
(Ensure no previously configured devices share your chosen IP address)



9: Click Next, then Finished to save your settings (you might lose connection to your Plector StorX as you have now changed Plector StorX IP address to be compatible with your router and not PC)

10: Disconnect the Plector StorX from PC

11: Re-connect your PC to Router, Hub/Switch (re-enable wireless)

12: Connect your Plector StorX to Router, Hub/Switch

User Manual

Administration

Section 1: LAN Settings (Dynamic Host Configuration Protocol (DHCP) or Static IP)

Section 2: Setting up Wireless Connection

Section 3: System (Set Date & time, Change name and description of device)

Section 4: FTP Server (Enable FTP server and guest settings)

Section 5: USB (Shows USB devices attached and USB printer)

Section 6: Users (Create users)

Section 7: Group (Create groups of users)

Section 8: Folder (Create folders and set user rights)

Section 9: Media (UPnP)

Section 10: Backup (Back up your files)

Section 11: BitTorrent (Down load a torrent file from internet)

Tools

Scheduling (Set a given time for device to restart)

Restart (restart device immediately)

ADS (Active Directory Service)

Hard Disk Utility (Format hard drive and Scandisc)

FW upgrade (Upgrade to new firmware)

Save Config (Save your preferred setting configuration)

Factory Default (Restores factory settings)

Login Settings (change Administration Username and Password)

System Log (shows recent activity)

Section 1: LAN Settings

This section contains all LAN settings to configure your Plextor StorX to the network. Depending on how the network is set up, changes to this page may or may not be necessary. You can choose between DHCP and Static IP from the "Protocol"

The screenshot shows a 'Lan Setting' dialog box with the following fields and values:

Work Group:	workgroup			
Protocol:	DHCP			
IP Address:	192	168	1	83
Subnet Mask:	255	255	255	0
Default Gateway:	192	168	1	254
Primary DNS:	192	168	1	254
Secondary DNS:				

Buttons: Apply, Cancel

DHCP

Selecting this option enables the Plextor StorX to request an IP and auto-configure itself to the network when there is a DHCP Server present.

NOTE: If DHCP Client is enabled, but there is no DHCP server, the Plextor StorX would fall back to the default IP address of 192.168.16.1.

Static IP

Select this option when there is no DHCP Server present on the network and manually enter the network settings in the fields provided below this option.

- | | |
|-------------------------------|---------------------------------|
| IP Address | – Enter the static IP address |
| Subnet Mask | – Enter the Subnet Mask address |
| Default Gateway | – Enter the Gateway IP address |
| DNS1 and DNS2 (both optional) | – Enter the DNS IP addresses |

NOTE: Contact the network provider/ administrator for additional assistance in manually entering the above information.

Section 2: Setting up Wireless Connection

1. Connect your Plextor StorX to your router with the RJ-45 LAN cable provided
2. On your PC (which is also connected to your router) open PleXtor NetTool
3. Select your PleXtor StorX. Enter Administration and select Wireless



The following procedures are dependent on which security key (if any) your router has been set up with.
If in doubt, please consult your routers user manual.

No Encryption

Select Infra (infrastructure) or Adhoc

The screenshot shows the 'Wireless Configuration' page in the PLEXTOR S web interface. On the left is a 'MENU' sidebar with 'Wireless' highlighted. The main content area has 'Network Type' set to 'Infra' and 'Wireless Encryption' set to 'No Encryption'. A red arrow points to the 'Infra' option in the 'Network Type' dropdown menu.

Select, SSID Scan. Then from the drop down menu, select the name of your router.

The screenshot shows the 'Wireless Configuration' page with 'SSID' set to 'your router' and the 'SSID Scan' button highlighted. A red arrow points to the 'SSID Scan' button, and another red arrow points to the 'your router' option in the 'SSID' dropdown menu.

If your router has no encryption select 'No Encryption' then Apply.

Remove LAN cable and restart NAS – NAS will now function in wireless mode.

If your router does not have encryption (security key).
Select either, WEP, TKIP or AES.

WEP

If your router is protected by a WEP KEY, select WEP, then from the pull down menu select the type of WEP key you have.

The screenshot shows the 'Wireless Configuration' page. On the left is a 'MENU' sidebar with 'Wireless' selected. The main panel has 'Network Type' set to 'Infra' and 'SSID' set to 'your router'. Under 'Wireless Encryption', the 'WEP' radio button is selected. A dropdown menu for 'WEP Encryption Key' is open, showing options: 'Character Input : 13 characters(WEP128)', 'Character Input : 5 characters(WEP64)', 'Character Input : 13 characters(WEP128)', 'Hexadecimal Input : 10 digits(WEP64)', and 'Hexadecimal Input : 26 digits(WEP128)'. Red arrows point to the 'WEP' radio button and the dropdown menu. Below the dropdown are four radio buttons labeled '1:' through '4:'. At the bottom, there is a 'WPA-PSK (Previously Shared Key):' field and an 'Apply' button.

Enter the WEP key then select Apply

This screenshot shows the same 'Wireless Configuration' page. The 'WEP Encryption Key' dropdown is now set to 'Hexadecimal Input : 10 digits(WEP64)'. The '1:' radio button is selected, and its corresponding text input field contains ten black dots representing a hexadecimal key. A red arrow points to this input field. The 'Apply' button is visible at the bottom.

Remove LAN cable and restart NAS – NAS will now function in wireless mode.

The following procedures are for WPA keys – PSK (previously shared keys).
Select either TKIP or AES.

TKIP

Select TKIP then enter the key in the WPA-PSK box

The screenshot shows the 'Wireless Configuration' page. On the left is a 'MENU' sidebar with 'Wireless' selected. The main content area has 'Network Type' set to 'Infra' and 'SSID' set to 'your router'. Under 'Wireless Encryption', 'TKIP' is selected with a red arrow pointing to it. Below it, the 'WPA-PSK (Previously Shared Key):' field contains a masked key (represented by 10 dots) with a red arrow pointing to it. The 'Apply' button is at the bottom right.

Select, Apply.

Remove LAN cable and restart NAS – NAS will now function in wireless mode.

AES

Select AES then enter the key in the WPA-PSK box

The screenshot shows the 'Wireless Configuration' page. On the left is a 'MENU' sidebar with 'Wireless' selected. The main content area has 'Network Type' set to 'Infra' and 'SSID' set to 'your router'. Under 'Wireless Encryption', 'AES' is selected with a red arrow pointing to it. Below it, the 'WPA-PSK (Previously Shared Key):' field contains a masked key (represented by 10 dots) with a red arrow pointing to it. The 'Apply' button is at the bottom right.

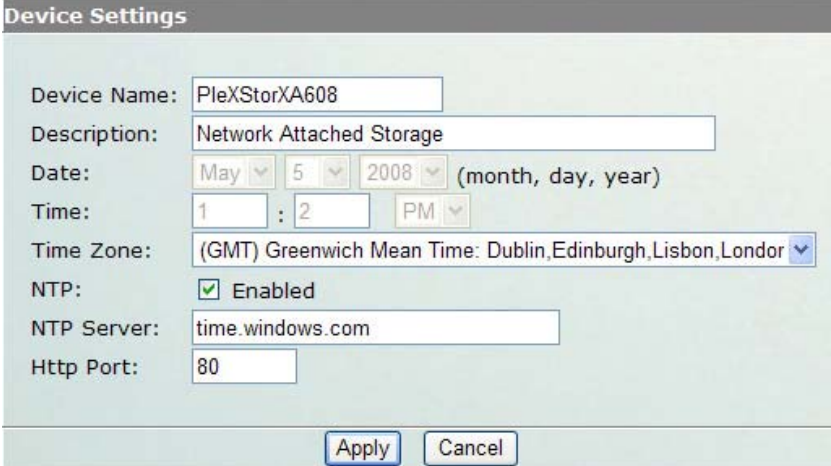
Select, Apply.

Remove LAN cable and restart NAS - NAS will now function in wireless mode.

Section 3: System

Some basic device settings of your Plextor StorX can be changed here. Including "Device Name", "Description", "Date", "Time Zone". Additionally, the "NTP server" can be enabling or disabled.

When you first open System under Administrator, you will see this window.



Device Settings

Device Name: PlexStorXA608

Description: Network Attached Storage

Date: May 5, 2008 (month, day, year)

Time: 1 : 2 PM

Time Zone: (GMT) Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London

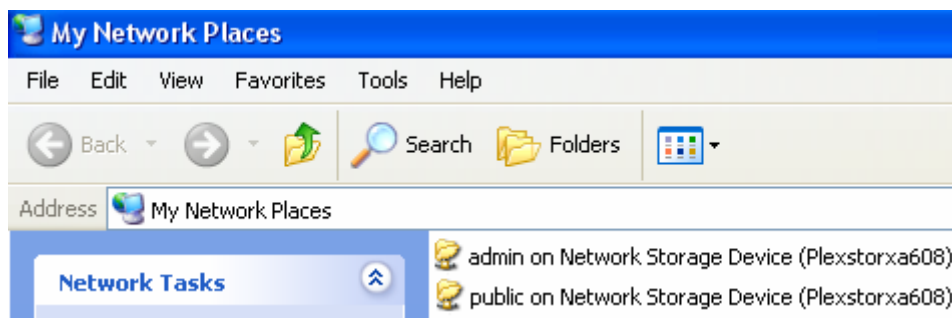
NTP: Enabled

NTP Server: time.windows.com

Http Port: 80

Apply Cancel

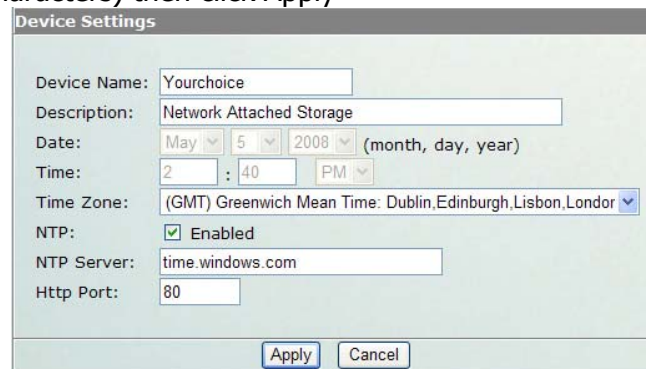
Notice the device name is PlexStorX and Description is Network Attached Storage. If you go to My Network Places you will see



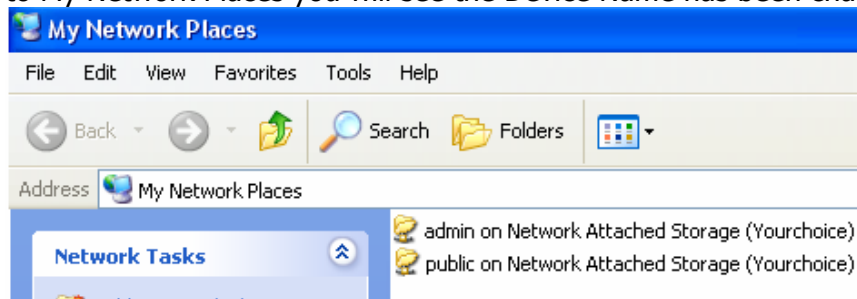
NOTE: Make sure your firewall program is set to allow the discovery and sharing of your Plextor StorX

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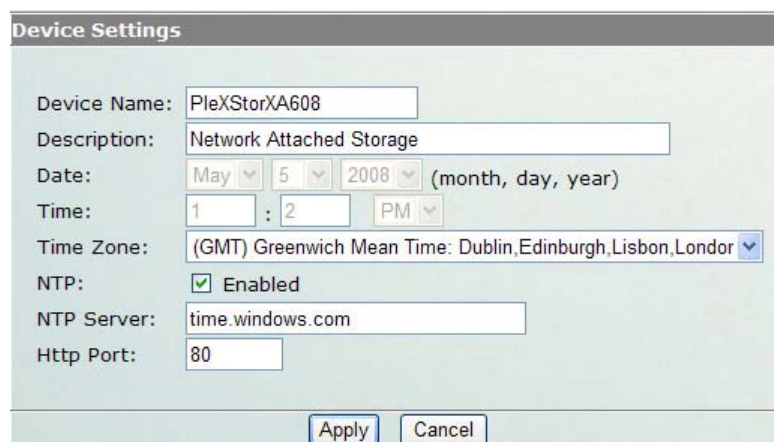
You can change Device Name to one of your choosing (No space between characters - maximum 15 characters) then click Apply



If you go to My Network Places you will see the Device Name has been changed



The Network Time Protocol (NTP) function allows the Plextor StorX to update Date and Time automatically. This function is enabled by default, and you should select the Time Zone for your area.



Select your time zone from the drop down menu, and then click Apply (this may take a second to update). You will see that the Date and Time have changed to coincide with your area. If you uncheck NTP, you can set Date and Time manually.

NOTE: The NTP Server (time.windows.com) may occasionally be out of sync due to Daylight Saving Time (DST). Please ensure you check date & time after a restart or before you start a backup.

Section 4: FTP Server

NOTE: By Setting up Plextor StorX as an external FTP server, this disables the Plextor StorX as a NAS device

When the FTP Server is selected under Administration, this window appears

The device has an embedded FTP server that allows you and other users to access this device by FTP client. To setup the FTP server properties, please refer to the following table and click "**Apply**" to execute your settings.

Enable FTP Server:	Selected as default. Uncheck "☐" Enable FTP server to de-activate the FTP server function or disable it.
Port:	The Port number of the FTP server. Default value is 21.
Enable anonymous (as guest):	This allows FTP clients to connect with the device without username/password authentication. "Enable download" is selected by default (allowing users who enter the FTP to read/download from FTP) "Enable upload" can be selected allowing users to upload documents to FTP
Connection setting	Selects the amount of users that can access the FTP at one time
Client PC'S Language:	Select client pc's Language.

NOTE : The FTP admin username and password (same as admin folder):
Username: admin
Password: You must create a password

To enter the admin folder or have administration rights via FTP, you must create a password for the admin folder, this can be done in the User Section (section 5)

When a user is created (section 5 of this manual) an ftp user account is created with the same user name and password. The ftp user account can only be accessed via ftp or via the admin / ftp folder on the network (If you intend to use Plextor StorX as an internal NAS device only, you can delete these ftp user accounts (deleting these ftp user account will not delete users as set up in section 5))

To access the ftp server:

There are two ways to access the ftp server. Internally and externally

Internally

1. Enter your web browser and type in Plextor StorX IP address
You must put ftp:// in front (i.e. ftp://192.168.16.3)
2. Enter the Username (user name of ftp account you want to open)
3. Enter the Password (password of ftp account you want to open)
4. Press Log On

External

NOTE: To allow external access to your Plextor StorX FTP, please consult your Router, Hub/Switch user manual to set up access rights

5. Enter your web browser and type in the external IP address as provided by your router / hub manager software
You must put ftp:// in front (i.e. ftp://81.154.93.250)
6. Enter the Username (user name of ftp account you want to open)
7. Enter the Password (password of ftp account you want to open)
8. Press Log On

Section 5: USB

When USB is selected under Administration the following window appears

The screenshot shows the Administration menu on the left with 'USB' selected. The main content area is divided into two sections:

USB Storage Devices

ID	Share Name	Device ID	FS Type	Total Size(MB)	Free Space
1	NAS-HD	SAMSUNG	XFS	475758	<input type="text" value="100%"/>

Refresh

USB Printers

Index	Share Name	Vendor	Model
1	iP4500_series_0	Canon	iP4500 series

Refresh

The first section "USB Storage Devices" is showing the installed HDD

ID = Drive number

Share Name = Link to folders on drive

Device ID = Drive manufacturer

FS Type = File System on drive

Total Size (MB) = Drive capacity

Free Space = Amount of free space on drive

If external USB HDD or thumb drives are attached and Refresh is selected the display will update.

The screenshot shows the 'USB Storage Devices' section with three drives listed:

ID	Share Name	Device ID	FS Type	Total Size(MB)	Free Space
1	NAS-HD	SAMSUNG	XFS	475758	<input type="text" value="100%"/>
2	P2 B 1	I-O DATA	Fat/Fat32	30	<input type="text" value="2%"/>
3	P1 C 1	□□□□H□@	Fat/Fat32	115	<input type="text" value="76%"/>

Refresh

Connecting Printer:

1. Connect printer to Plextor StorX via USB
2. Ensure it is seen in USB Printers

The screenshot shows the 'USB Printers' section with one printer listed:

Index	Share Name	Vendor	Model
1	iP4500_series_0	Canon	iP4500 series

Refresh

3. Enter My Network Places on PC
4. Select Add Printer
5. Follow on screen instructions

Section 6: Users

Admin User

When Users is selected under Administration the following window appears

The screenshot shows the 'Users Management' window. On the left is a 'MENU' sidebar with 'Users' selected. The main area contains form fields for 'User name:', 'Password:', 'Verify password:', and 'User description:'. An 'Add user' button is to the right of the 'User description' field. Below the form is a table with two columns: 'Users' and 'Description'. The table contains one entry: a user icon, the name 'admin', and the description 'User folder administrator'. A 'Delete user' button is located below the table.

Users	Description
<input type="checkbox"/> admin	User folder administrator

As can be seen there is a default user "admin" this user cannot be deleted and you must create a password

This user has administration rights for all folders within Plextor StorX on the network and ftp (this is not the same user name and password needed to access the setup menu)

To create a password click on the user icon, a window will appear allowing you to enter a password and verify. Once you have chosen and entered a secure password, select Update.

The 'Modify User Properties' dialog box shows the following fields: 'User name:' with the value 'admin'; 'New name:' with a text input containing 'admin'; 'New password:' with an empty password field; 'Verify password:' with an empty password field; and 'User description:' with the value 'User folder administrator'. At the bottom are 'Update' and 'Return' buttons.

Adding Users

User name:

Enter a user name (you cannot start user name with a number or have spaces)

Password:

Enter a password for that user


Verify password:

Enter password again

User description:

You can enter a description for this user, or can be left blank



The screenshot shows the 'Users Management' interface. At the top, there is a header 'Users Management'. Below it, there are four input fields: 'User name:' with the value 'You', 'Password:' with masked characters, 'Verify password:' with masked characters, and 'User description:' with the value 'your choice'. To the right of the 'User description' field is a blue 'Add user' button. Below the form is a table with two columns: 'Users' and 'Description'. The table contains one row with a checkbox, a user icon, the name 'admin', and the description 'User folder administrator'. Below the table is a 'Delete user' button.


Users	Description
<input type="checkbox"/>  admin	User folder administrator

Select Add user

User can now be seen

The screenshot shows the 'Users Management' interface. At the top, there is a header 'Users Management'. Below it, there are four input fields: 'User name:', 'Password:', 'Verify password:', and 'User description:'. To the right of the 'User description' field is a blue 'Add user' button. Below the form is a table with two columns: 'Users' and 'Description'. The table contains two rows: one for 'admin' (User folder administrator) and one for 'You' (your choice). A red arrow points to the 'You' row. Below the table is a 'Delete user' button.

Users	Description
<input type="checkbox"/>  admin	User folder administrator
<input type="checkbox"/>  You	your choice

To modify user properties, click on user icon  You

To delete user, check box next to user icon and select delete

Section 7: Group

The Group section allows you to setup a number of users into a group; you can then give this group user rights to folders (allowing all members of the group the user rights you have set)

When Group is selected under Administration the following window appears

The screenshot shows the 'Groups Management' window. On the left is a 'MENU' with a tree view containing 'Home', 'Administration', 'Lan', 'System', 'FTP Server', 'USB', 'Users', 'Group' (highlighted), and 'Share'. The main window has a title bar 'Groups Management' and two input fields: 'Group name:' and 'Group description:'. The 'Group description:' field has an 'Add group' button to its right. Below these is a table with two columns: 'Groups' and 'Description'. At the bottom of the table area is a 'Delete group' button.

Group name:

Enter a group name (you cannot start group name with a number or have spaces)

Group description:

You can enter a description for this group, or can be left blank

This screenshot shows the 'Groups Management' window after the 'Add group' button has been clicked. The 'Group name:' field now contains the text 'sales'. The 'Group description:' field contains the text 'sales team'. The 'Add group' button is still visible to the right of the description field. The table below is empty.

Select Add group

Group can now be seen

This screenshot shows the 'Groups Management' window after the group 'sales' has been added. The 'Group name:' and 'Group description:' fields are now empty. The table below now contains one row with a checkbox, a group icon, and the text 'sales' in the 'Groups' column, and 'sales team' in the 'Description' column. The 'Delete group' button is still present at the bottom.

To add users to a group, click on the group icon 

A list of users will appear



Select users you want add to the group by checking the box next to user icon then select Apply

Group Name: sales

New group name:

Group description:

User list of group

Users	Description
<input checked="" type="checkbox"/>  user-1	
<input type="checkbox"/>  user-2	

To remove users from group, uncheck the box next to that user icon and select apply

To update group name or description, enter new name or description and select Update

To return to group list, select return

Section 8: Folder

In this section you can create folders and set user access rights to those folders

When Folder is selected under Administration the following window appears

The screenshot shows a web interface with a 'MENU' on the left and a 'Folder Management' window on the right. The menu includes 'Home', 'Administration', 'Lan', 'System', 'FTP Server', 'USB', 'Users', 'Group', and 'Folder'. The 'Folder Management' window has two input fields: 'Folder name:' and 'Folder description:'. Below these is a table with two columns: 'Folders' and 'Description'. A 'Delete folder' button is located below the table.

Folder name:

Enter a folder name (you cannot start folder name with a number or have spaces)

Folder description:

You can enter a description for this folder, or can be left blank

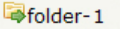
This screenshot shows the 'Folder Management' window with the 'Folder name' field containing 'folder-1' and the 'Folder description' field containing 'my photos'. The 'Add folder' button is highlighted in blue.

Select Add folder

Folder can now be seen

This screenshot shows the 'Folder Management' window after the folder has been added. The 'Folder name' and 'Folder description' fields are now empty. The table below has one row with a checkbox, a folder icon, and the text 'folder-1' in the 'Folders' column, and 'my photos' in the 'Description' column. The 'Delete folder' button is visible below the table.

Setting user access rights to a folder

Click on folder icon 

A window will appear allowing you to setup user access rights to that folder

By default access rights are set to "Set access for individual users" with "No access" selected for all users & groups

Folder Name:	folder-1
Change folder name:	<input type="text"/>
Folder description:	my photos
<input checked="" type="radio"/> Set access for individual users <input type="radio"/> No access for all users <input type="radio"/> Read-only access for all users <input type="radio"/> Read/Write access for all users	
<input type="button" value="Update"/> <input type="button" value="Return"/>	

Group list of folder		
Groups	Properties to share	Description
group-1	<input checked="" type="radio"/> No access <input type="radio"/> Read-only <input type="radio"/> Read and write	

User list of folder		
Users	Properties to share	Description
user-1	<input checked="" type="radio"/> No access <input type="radio"/> Read-only <input type="radio"/> Read and write	
user-2	<input checked="" type="radio"/> No access <input type="radio"/> Read-only <input type="radio"/> Read and write	

There are three sections to setting up user access rights to a folder

Global settings, Group settings and User settings

Global Settings

<input checked="" type="radio"/> Set access for individual users
<input type="radio"/> No access for all users
<input type="radio"/> Read-only access for all users
<input type="radio"/> Read/Write access for all users

Set access for individual users

Allows you to set access rights to individual groups or users

No access for all users

Allows you set no access to that folder (only accessible via admin in network)

Read-only access for all users

Allows all users and groups read only access to that folder

Read/Write access for all users

Allows all users and groups read & write access to that folder

Group Settings

Group list of folder		
Groups	Properties to share	Description
group-1	<input checked="" type="radio"/> No access <input type="radio"/> Read-only <input type="radio"/> Read and write	

No access: All users within that group have no access to that folder

Read-only: All users within that group have read only access to that folder

Read and write: All users within that group have read/Write access to that folder

NOTE: Greater access rights take priority. If individual user rights for user-1 are set to no access and user-1 is in a group that has read/write access, then user-1 will have the read/write access.

User Settings

User list of folder

Users	Properties to share	Description
user-1	<input checked="" type="radio"/> No access <input type="radio"/> Read-only <input type="radio"/> Read and write	
user-2	<input type="radio"/> No access <input checked="" type="radio"/> Read-only <input type="radio"/> Read and write	
user-3	<input type="radio"/> No access <input type="radio"/> Read-only <input checked="" type="radio"/> Read and write	

Apply

No access: user can not access the folder

Read-only: user can only read from folder

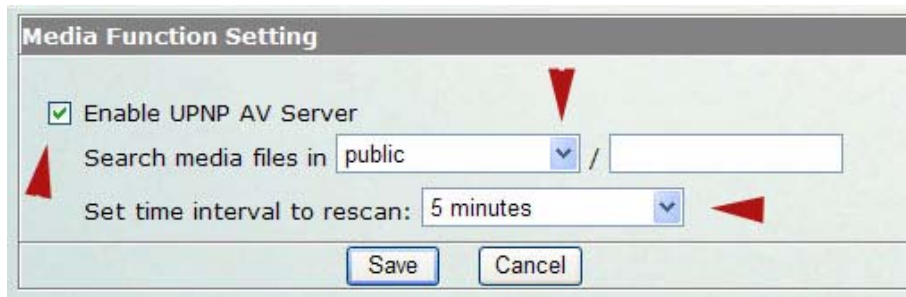
Read and write: user can read from and write to folder

Section 9: Media

UPnPAV

This device supports UPnP AV server, which allows users to play media files with UPnP client (ex. DMA devices). Follow the steps below to enable this function:

1. Select the Enable UPnP AV Server column.
2. Select a folder in the drop list.
3. Select a rescan time in the drop down menu
4. Click the **Save** button to activate this function.



When you want to play your chosen media files on a network PC.

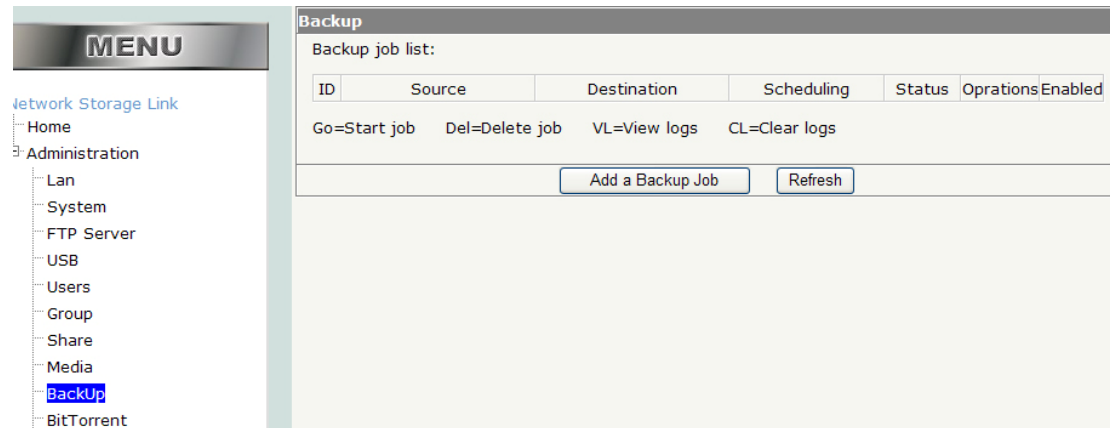
- Open your Media Player
- Locate your media files on your Plextor StorX
- Select Play

Note: UPNP compliant media player software required for successful playback

Section 10: Backup

In this section you can backup folders and sub-folders from Plextor StorX to an external USB hard disc drive

When BackUp is selected under Administration the following window appears



Click on, Add a Backup Job

Add a New Backup Job

Step 1 - Select backup source
Specify what you want to backup. The path you want to backup can be in a folder on this device or located remotely.
At least one of backup source or destination must be local.
-- Please select a source --

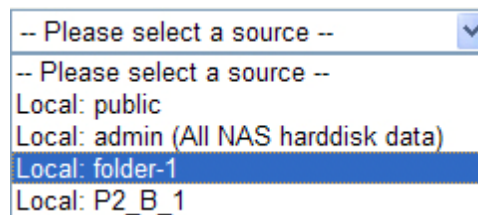
Step 2 - Select backup destination
Specify where you want your backup data saved. The destination path can be a folder on this device or a path on a remote PC or device.
-- Please select a destination --

Step 3 - Choose backup schedule
Select when you want the backup performed.
 Everyday Mon Tue Wed Thu Fri Sat Sun 00 : 00

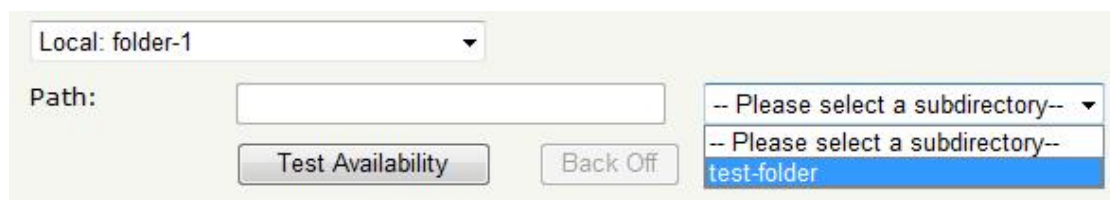
Step 4 - Choose backup options
Set how many backup copies to keep, set to 0 for single backup.
0

Step 1 - Select backup source

From the pull down menu select a folder you wish to backup

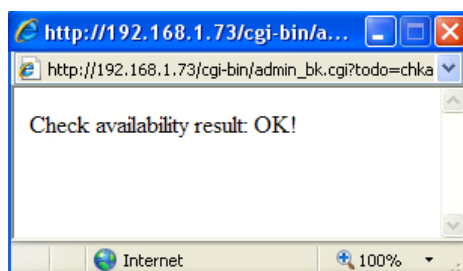


If you wish to backup a sub-folder (a folder within a folder)
Select that folder from the second drop down menu (folder name cannot have spaces)

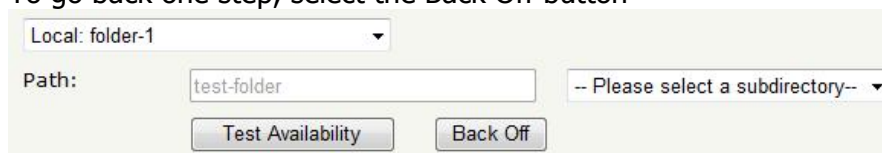


You can check that Plextor StorX has recognized the folder or path of sub-folder by selecting Test Availability

If Plextor StorX can find that folder the availability result will be OK.
If Plextor StorX cannot find the folder the availability result will be Path is invalid
(in this case please check you have entered the correct folder) (the folder name has no spaces)



To go back one step, select the Back Off button



Step 2 – Select backup source

Same procedure as step 1 (except selecting destination. i.e. external hard disc drive)

Step 3 – Choose backup schedule

NOTE: The NTP Server (time.windows.com) may occasionally be out of sync due to Daylight Saving Time (DST). Please ensure you check date & time after a restart or before you start a backup.

Select when you want the backup performed

Everyday Mon Tue Wed Thu Fri Sat Sun 17 : 00

Check the day you want the backup to take place, and choose the time from the drop down menu

Step 4 – Choose backup options

Set how many backup copies to keep, set to 0 for a single backup

If for example you want to backup a folder every week and you want to keep the last 5 weeks before Plextor StorX starts to over write the first week, you would enter the number 5 in the box. The 6th week backup will over write the first week backup

Once you have completed setting your backup select Add

The backup details will appear

If at any time you want to backup immediately select Go

Backup

Backup job list:

ID	Source	Destination	Scheduling	Status	Operations	Enabled
1	Type: local Path: /mnt/data/folder-1/test-folder	Type: local Path: /mnt/port2/P2_B_1/target-folder	17:00@Fri	Idle	Go VL Edit	Del CL <input checked="" type="checkbox"/>

Go=Start job Del=Delete job VL=View logs CL=Clear logs

Section 11: BitTorrent

BitTorrent

ID	Torrent File Name	Content Size	Percent	Status	Operations

Global Setting Add a New Job Refresh

Global Settings

The User can choose in which folder (public or user's folder) to place the downloaded torrent files.

The max download and upload rate can be limited to the rate you want.

Seed infinitely – After the download has finished. The file will seed until you stop seeding.

Or you can set the percentage of share ratio, or how long (in minutes) to share. The user can also choose whether or not to start next job automatically.

BitTorrent Global Setting

Place torrent file in "public" share folder
 Place torrent file in _____'s share folder

Max download rate per job(0 = no limit, -1 = automatic): KB/s
 Max upload rate per job(0 = no limit) (defaults to 0): KB/s

If within no proceeds, switch to next uncompleted job automatically.

Seed Options:
 Seed infinitely
 Seed until share ratio reaches %, or for minutes, whichever comes first. (share ratio = Bytes uploaded / Bytes downloaded).
 Start next uncompleted job automatically.

Download Option:
 Go on downloading the uncompleted missions automatically when BT start up.

Save Cancel Return

Add a new job

Download a BitTorrent seed file (*.torrent) from the internet to your PC.

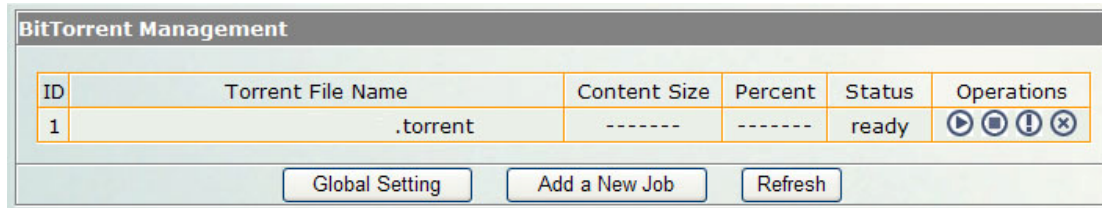
Select Browse to find the seed file you saved on your PC

Select Add

Add a New Job

Please choose a torrent file to upload:

Once you have added the torrent file, click on "Start" to start the download.



There are four operations you can do:

Start: If you want to start the job



Stop: If you want to stop the job



Detail: Shows detailed information of the job



Delete: Stop and delete the job, then you can add other jobs



Refresh

Updates download progress

NB: This function can add up to 10 jobs, but only allow 2 running at the same time.

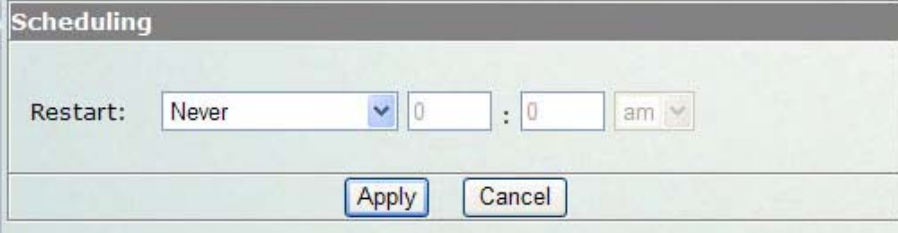
Warning

All users of this device are warned against illegal downloading of copyrighted materials. The P2P embedded functionality is provided for downloading authorized files only. Downloading or distribution of unauthorized materials may result in severe civil and criminal penalty. Users of this device are subject to the restrictions of the copyright laws and should accept full responsibility when downloading files.

Tools

Scheduling

Here you can set a day and time for your Plextor StorX to restart.



The screenshot shows a dialog box titled "Scheduling". It contains a "Restart:" label followed by a dropdown menu set to "Never", a text input field containing "0", a colon separator, another text input field containing "0", and a dropdown menu set to "am". At the bottom of the dialog are two buttons: "Apply" and "Cancel".

Restart

Here you can restart your Plextor StorX immediately



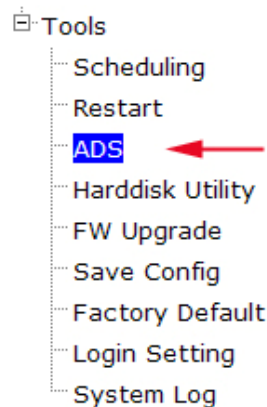
The screenshot shows a dialog box titled "Restart Device". It contains the text "Click the button below to restart the device." and a single button labeled "Restart Now".

ADS (Active Directory Service)

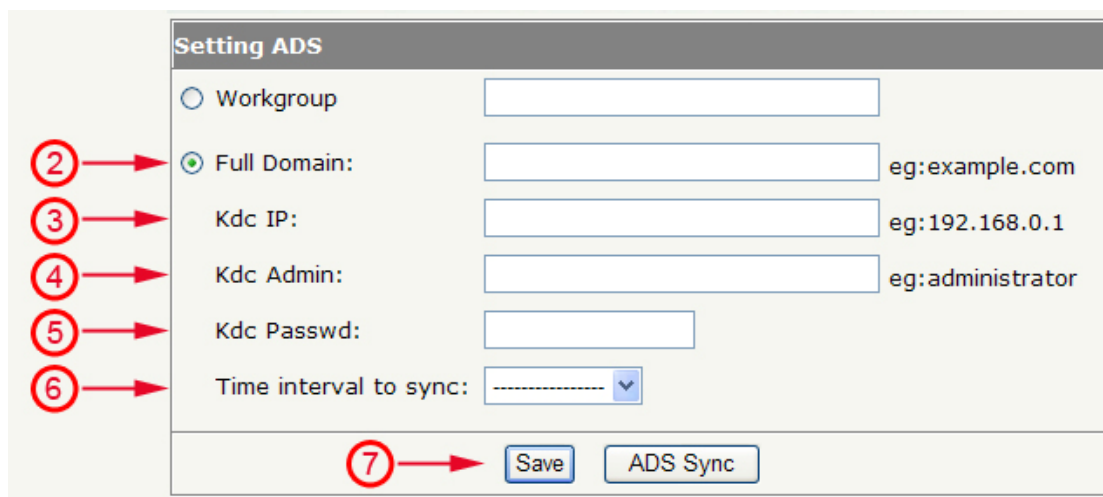
Please note, ADS is an administrative tool. Only select this option if you have an understanding of ADS (Active Directory Service).

First, ensure that the date and time settings on your PleXtor StorX NAS (In System) are in sync with your server.

- 1) In Tools section, select ADS



- 2) Select, Full Domain [enter the domain name of your server]
- 3) Kdc IP [enter the IP address of your server]
- 4) Kdc Admin [enter administrator]
- 5) Kdc Passwd [enter your administrator password]
- 6) Time interval to sync [from pull down menu, select a scheduled sync time]
- 7) Save and confirm settings

A screenshot of the 'Setting ADS' configuration form. It has a title bar 'Setting ADS' and two radio buttons: 'Workgroup' and 'Full Domain:'. The 'Full Domain:' option is selected. Below are four text input fields: 'Kdc IP:', 'Kdc Admin:', 'Kdc Passwd:', and 'Time interval to sync:'. The 'Time interval to sync:' field is a dropdown menu. At the bottom are two buttons: 'Save' and 'ADS Sync'. Red circles with numbers 2 through 7 and arrows point to each of these elements respectively: 2 to 'Full Domain:', 3 to 'Kdc IP:', 4 to 'Kdc Admin:', 5 to 'Kdc Passwd:', 6 to the dropdown arrow, and 7 to the 'Save' button.

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Once you have completed the setup of ADS, all users and groups on your server can be seen on your PleXtor StorX NAS.

Note: In ADS mode, Users & Groups cannot be created or modified via your PleXtor StorX. Adding /modifying users and groups must be carried out on the server.

When you add /remove users or groups on your server, you can update that information to your PleXtor StorX immediately by selecting "ADS Sync"

The screenshot shows a configuration window titled "Setting ADS". It contains the following elements:

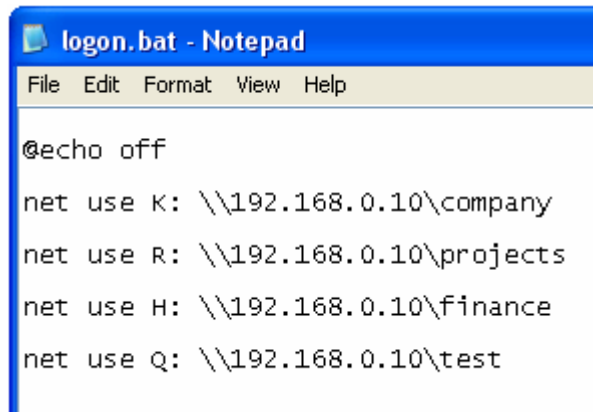
- Two radio buttons: "Workgroup" (unselected) and "Full Domain:" (selected).
- Input fields for "Full Domain:", "Kdc IP:", "Kdc Admin:", and "Kdc Passwd:". Each field has an example value to its right: "eg:example.com", "eg:192.168.0.1", "eg:administrator", and an empty field respectively.
- A dropdown menu for "Time interval to sync:" with a dotted line and a downward arrow.
- Two buttons at the bottom: "Save" and "ADS Sync". A red arrow points to the "ADS Sync" button.

Note: Resetting your PleXtor StoreX NAS to Factory Default, will reset the ADS function to OFF (default setting). In this case, you must reset ADS as above.

ADS Mode Recommended Folder Access methods

Method 1

This method involves the use of a logon script, which systems administrator will be familiar with. (Sample logon script below).



```
logon.bat - Notepad
File Edit Format View Help

@echo off

net use K: \\192.168.0.10\company
net use R: \\192.168.0.10\projects
net use H: \\192.168.0.10\finance
net use Q: \\192.168.0.10\test
```

This file is created in notepad and is saved with a .bat extension i.e. logon.bat The file contains mappings to NAS folders to which the user has access permission. Drive letters cannot be used more than once, and must not already be in use. Drive letters shown above are K: R: H: and Q:

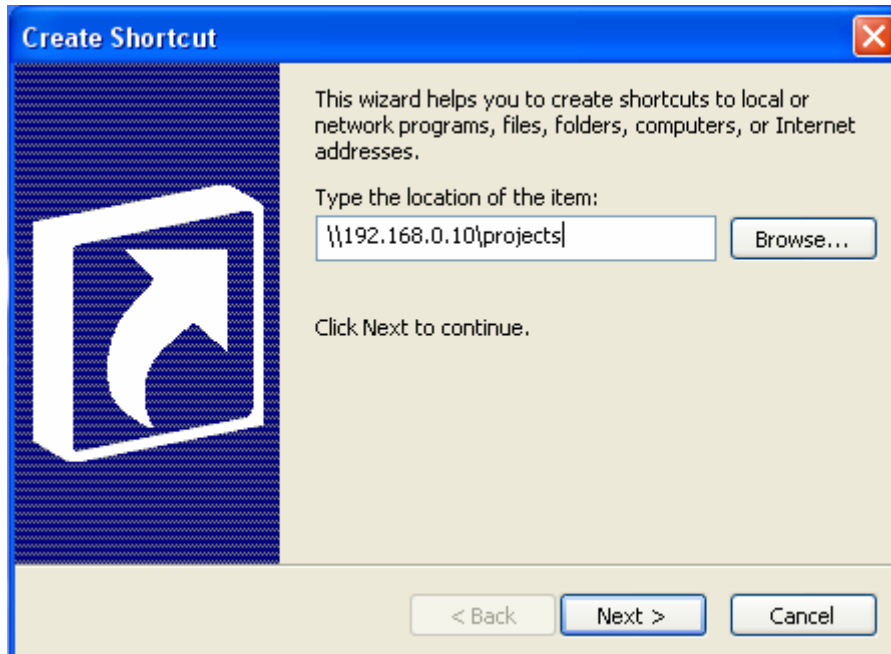
The IP address of the NAS must come after the double backslash (obviously the IP address will depend on your own setup), and finally, add the folder name you wish to map e.g. company (or whatever folder name you require).

When the file is completed and saved, System Administrators should add this to the C:\Windows\SYSVOL\domain\scripts folder. The script name must also be configured within the user account properties, in the profile tab, by adding the logon script name (logon.bat) to the Logon Script field.

Now when this user logs on to their system the folders will be mapped in My Computer / Windows Explorer. This will make folder access simple and convenient.

Method 2

Right click on your desktop and select new, then shortcut. This will bring up this window.

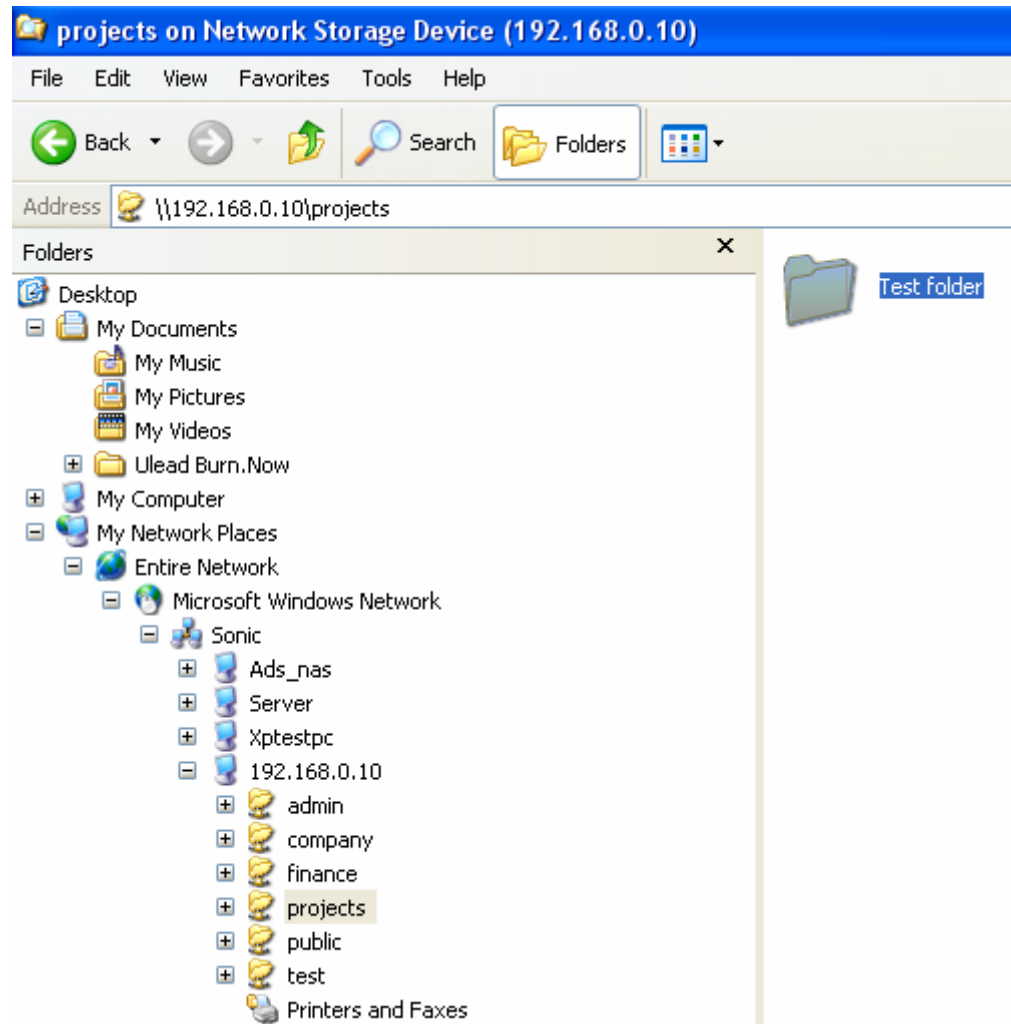


Enter the IP address of your NAS and specify the folder you wish to connect to (e.g. projects). Please note you must have permission to access the folder, which can be setup via the NAS GUI.

Click next, and type a name for the shortcut, then click finish. This will create a desktop shortcut to the projects folder.

Method 3

In Windows Explorer or Internet Explorer you can type in the address of the folder you wish to access. (again you need permission) i.e. [\\192.168.0.10\projects](http://192.168.0.10/projects) Obviously the address will depend on your particular setup.



This will allow you access to the folder.

Hard disk utility

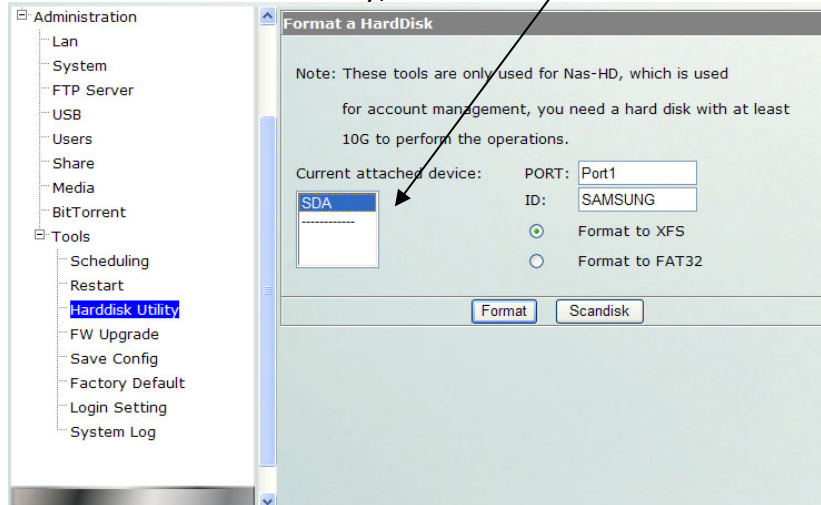
Two functions can be found in this option:

1. **Format:** Here you can format the hard disk
2. **Scandisk :** Here you can scan the hard disk to repair any damaged files.

NOTE: Please ensure you have backed up any important data from the hard disc drive before you format. All data will be lost when you format

Formatting the Hard Disk Drive on your Plextor StorX

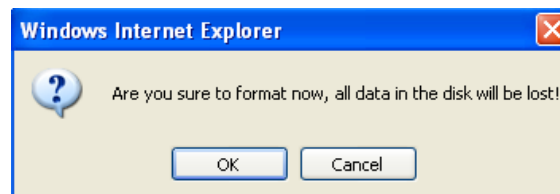
Once you have selected Harddisk Utility, select SDA



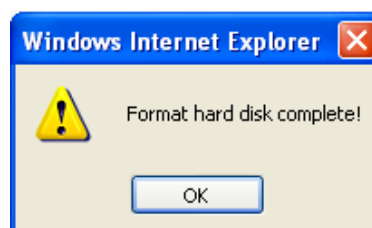
PORT: shows the port which the hard disk is connected to within your Plextor StorX.
ID: shows the hard disk manufacturer.

To format the hard disk drive, select which file system you prefer either;
Format to XFS or
Format to FAT32

Click Format - A warning window appears

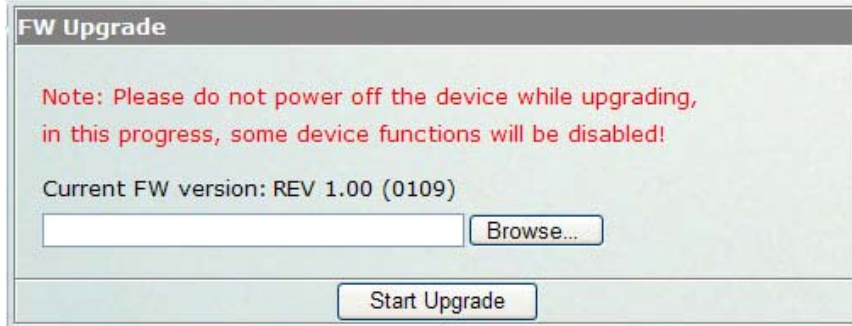


Once formatting is complete, a confirmation window appears. Click OK



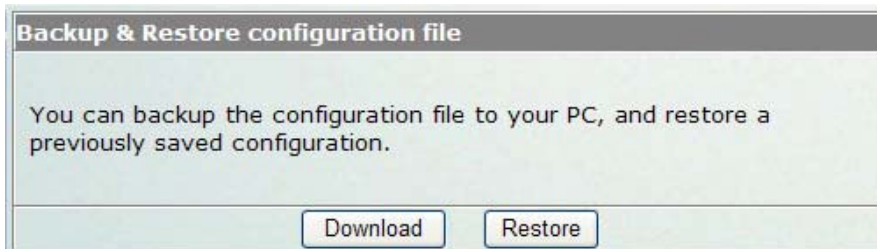
Firmware Upgrade

Whenever a new firmware is released, you can upgrade your Plextor StorX firmware from here. This will take about 1~2 min for the upgrade to complete.



Save Config

Once you have setup / configured your Plextor StorX the way you like it, Save Config allows you to save this configuration to your PC so you can restore these settings at a later date (Including the settings in LAN, System and Scheduling). You might want to create a folder on your PC to store the Config files.

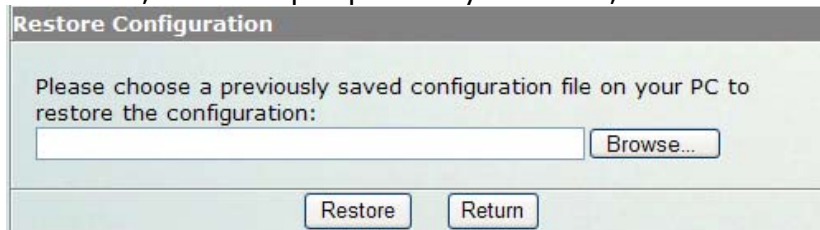


Windows explorer firewall security setting might ask for confirmation to download file onto PC.

Download: When you select save, the configuration file will be downloaded to PC.



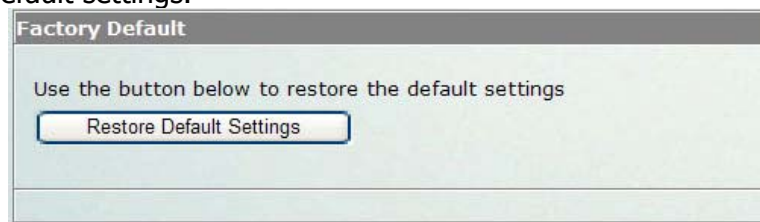
Restore: This function allows you to restore previous saved settings. Select Browse, find and open previously saved file, then select Restore.



The 'Restore Configuration' dialog box has a title bar with the text 'Restore Configuration'. Below the title bar, it contains the text 'Please choose a previously saved configuration file on your PC to restore the configuration:'. There is a text input field followed by a 'Browse...' button. At the bottom of the dialog, there are two buttons: 'Restore' and 'Return'.

Factory Default

Only use this function when you want to reset your Plextor StorX back to the factory default settings.



The 'Factory Default' dialog box has a title bar with the text 'Factory Default'. Below the title bar, it contains the text 'Use the button below to restore the default settings'. There is a single button labeled 'Restore Default Settings'.

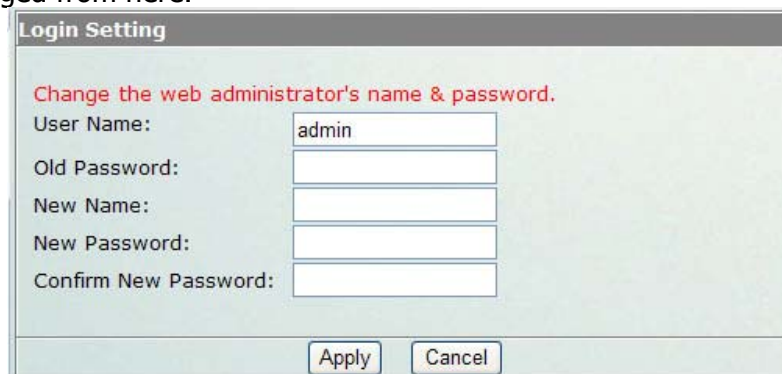
Your Plextor StorX will reboot for the new settings to take effect.



The 'Microsoft Internet Explorer' dialog box has a title bar with the text 'Microsoft Internet Explorer'. Below the title bar, there is a question mark icon and the text 'System will reboot to make new setting effective, Are you sure to default all setting now?'. At the bottom, there are two buttons: 'OK' and 'Cancel'.

Login Settings

The Administration username and password to log into your Plextor StorX can be changed from here.



The 'Login Setting' dialog box has a title bar with the text 'Login Setting'. Below the title bar, it contains the text 'Change the web administrator's name & password.' in red. There are five input fields: 'User Name:' with the value 'admin', 'Old Password:', 'New Name:', 'New Password:', and 'Confirm New Password:'. At the bottom, there are two buttons: 'Apply' and 'Cancel'.

User Name: admin
Old Password: root

System Log

The log content can be viewed from here.

System Log	
Index	Log content
1	[01/01/2007 09:21:14]: Scan NAS harddisk ok.
2	[01/01/2007 08:43:36]: Share folder P1_C_1 removed.
3	[01/01/2007 08:43:33]: Share folder P2_B_1 removed.
4	[01/01/2007 08:39:31]: USB device partition shared as P1_C_1.
5	[01/01/2007 08:39:25]: USB device partition shared as P2_B_1.

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Operation Frequency:	2412~2462MHz
Modulation Type:	802.11b:CCK, DQPSK, DBPSK 802.11g:OFDM 802.11n:OFDM(1 TX & 2 RX)
Bit Rate of Transmitter:	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to +150 Mbps
Number Of Channel:	CH1~11CH
Antenna:	RP-SMA plug.
Antenna Gain(Peak):	5 dBi
Transmit Power:	16dBm \pm 2dBm