



# **ENNHD-1GS**

3.5" SATA HDD Network Storage Enclosure

## **User's Guide**

## FCC Certifications



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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

## CE Mark Warning



This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 Class B for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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# Overview

Thank you for purchasing the product. Read this chapter to know about your Gigabit SATA NAS with USB.

## Unpacking information

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Before getting started, please verify that your package includes the following items:

1. One Gigabit SATA NAS with USB (Hard Disk not Included)
2. One Power adapter and one AC power cable.
3. One Quick Installation Guide
4. One Utility/ Manual CD
5. HD Fastening screw x 4

# Introduction to the GIGABIT SATA NAS with USB

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**Easily back-up your data and share them**, this Gigabit SATA NAS with USB is a high-speed, economical, powerful NAS (Network Attached Storage), using the efficient SATA interface and providing an excellent data storage and sharing solution for your small business, SOHO (Small Office or Home Office) or personal requirement. You may also back-up those files from your USB storage devices with pressing the “Backup” button.

**Embedding FTP server and Web Server.** The FTP server allows users to backup and share files with FTP client. The Web server provides an easy way to share files by web site. It also equips 2\* USB ports for your USB storage devices and USB printer. With connection to USB storage, the device shares your files in a more flexible way.

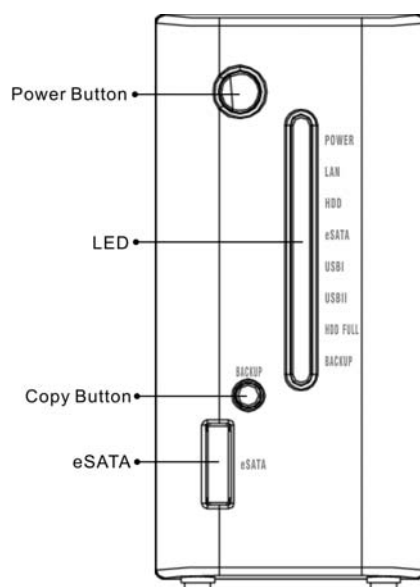
The set-up procedures and operation are simple and user-friendly. The embedded Linux device works highly stable and is affordable for continuous operation.

## Key Features

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- Supports CIFS/SMB for Microsoft Network which allow remote users to retrieve files easily using “My Neighborhood”
  - WEB-based User Interface (UI) for easy configuration
  - Support one 3.5” SATA HDD up to 750G
  - Built-in Samba server
  - Embeds FTP server for FTP clients to transfer files conveniently.
  - Supports USB memory stick (pen drive), USB Hard Disk
  - Equips one backup button for copying files conveniently.
  - Embeds Web server for Web site construction.
  - Support firmware update over the Graphic User Interface (GUI)
  - Supports 32 concurrently connected users.
  - Provides Password security for management & HD Access
  - Supports user name & password for 50 sets.
  - Supports access management for 100 folders
  - Provides PNMD for user-friendly setup.
  - Supports static IP & DHCP client network environment.
  - Supports Unicode for multiple-language characters.
  - Support eSATA interface connection.
  - Support AV server
  - Compatible with Windows 95 /98 /98SE /ME /XP /2000 /NT4.0/Linux/ MAC OS
  - Supports group access management.
  - Complies with FCC, CE Class B certification.
-

## Front Panel



### Power Button

To activate the device, press this Power button for 2 seconds after connecting the device to an appropriate power outlet with the provided power cord.

To power off, press the button for two seconds until Power LED starts to blink.

### LEDs Definition

LED	Status	
<b>Power</b>	Steady Blue	Power on
	Blinking Blue	System starting\ closing
	Off	Power off
<b>LAN</b>	Steady Green	Valid Connection at 1000 Mbps
	Blinking Green	Data transmitting at 1000 Mbps
	Steady Amber	Valid Connection at 10/100 Mbps
	Blinking Amber	Data transmitting at 10/100 Mbps
<b>HDD</b>	Blinking Amber	Data transmitting on HDD
	Off	No HDD acting
<b>eSATA</b>	Blinking Amber	Data transmitting or receiving on eSATA port.
	Off	Invalid connection on eSATA port.
<b>USB I</b>	Steady Green	Valid connection on USB I port.
	Off	Invalid connection on USB I port.
<b>USB II</b>	Steady Green	Valid connection on USB II port.
	Off	Invalid connection on USB II port.
<b>HDD FULL</b>	Steady Red	HDD has run out of space.
	Off	Space available on HDD
<b>Backup</b>	Steady Amber	Data copying from USB I to internal HD.
	Off	Data copying finished.



## **Backup Button**

Press this button to copy those files from USB I port to the internal HD. A new folder will be created automatically in the “**share**” folder. This new folder is named according to the time you press this button.

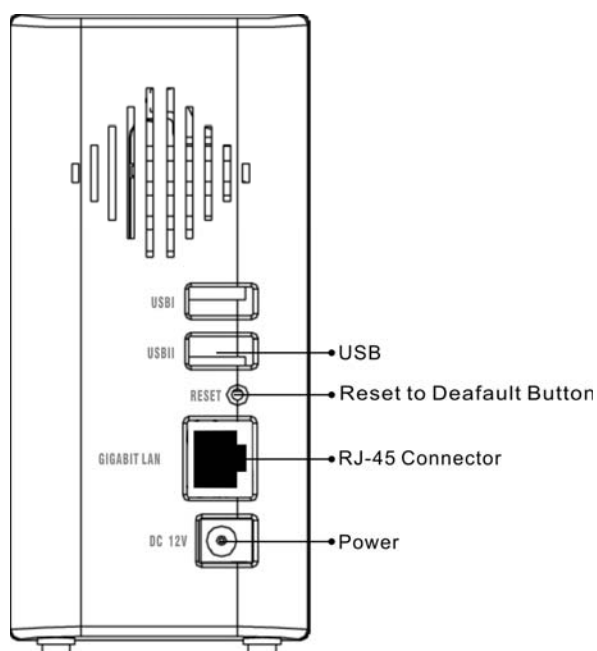
### **Note:**

1. Only USB I port support this quick backup function.
2. The Backup LED illuminates while data copying. Do not remove this device from USB I port before the **Backup** LED turns off.

## **eSATA connector**

Connect this port with your eSATA device.

## Rear Panel



### Reset to Default Button

Press and hold the Reset Default Button for 4 seconds to reset all configurations to factory default settings.

#### Note:

1. All configurations that are done by users will be removed from the device.
2. The device also supports restoring factory default settings by software. To get instruction restoring factory default parameters, see " **Reset to Factory Default** "

### LAN Port

Connect the port with RJ-45 cable to your switch or IP sharing router.

#### Note:

To get instruction connecting the device to your LAN, refer to "**Making Connection with the Device**".

### USB Port

Connect this port with your USB Storage devices.

### Power Adapter Socket

The socket for connecting the power adapter

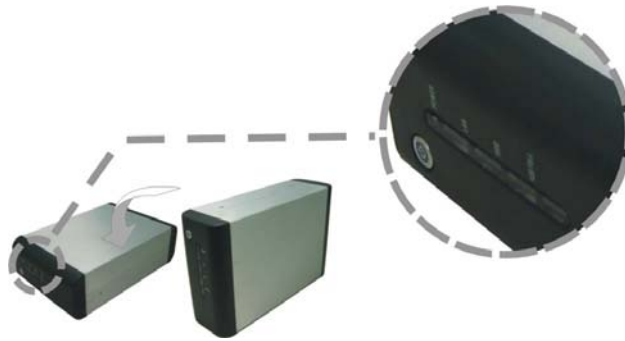
# Installation Guide

## Hardware Installation

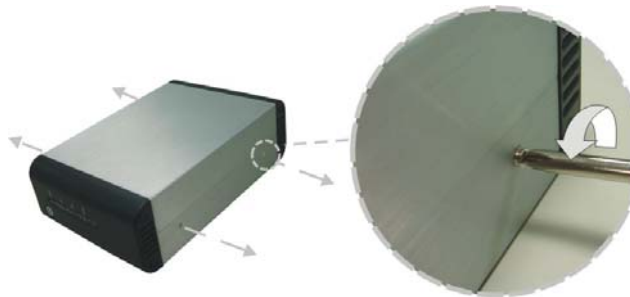
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### Install a Hard Disk Drive for the Device

1. Lie the device down as the following picture. Please make sure that the device is oriented correctly.



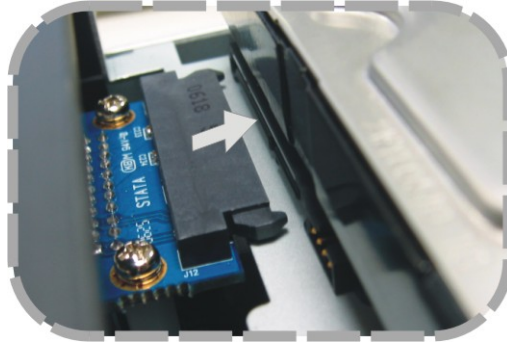
2. Unscrew the screws on both the top and bottom side of the device.



3. Remove the HD cover from the device evenly.



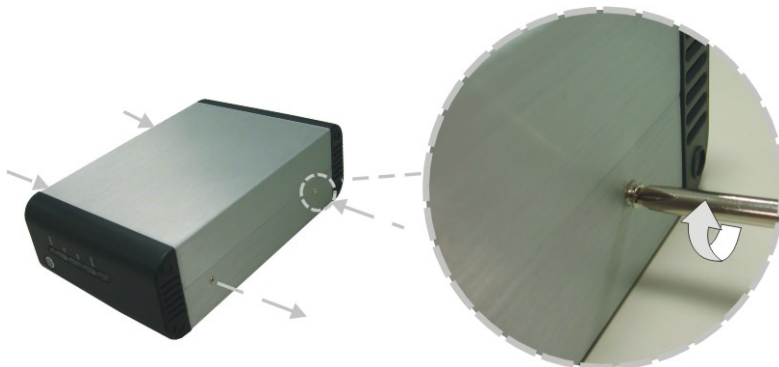
4. Place the Hard Disk drive evenly on the hard disk drive base. Slides the Hard Drive to connect to the connector on the device.



5. Secure your hard disk with the included screws in the package.

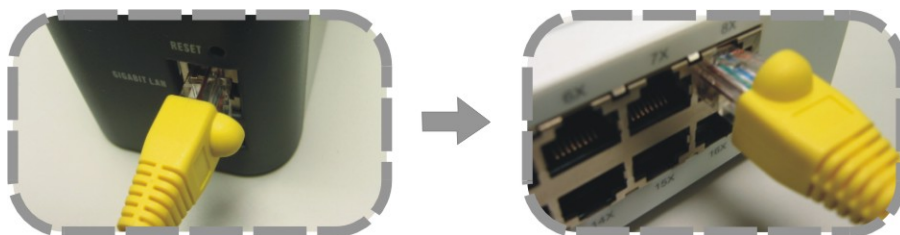


6. Place the HD cover back on to the device and screw the cover on.



## **Connect this device to your Local Area Network (LAN)**

1. Connect one end of a RJ-45 cable to the LAN port on the device.
2. Connect the other end of the cable to your IP sharing router or switch



## Connect this device to your USB devices

The device equips two USB ports that allow users to connect the device to a USB storage device

1. Find the USB cable that came with your USB storage device. Insert the USB Type A end of the cable to the device, the other end to your USB storage.

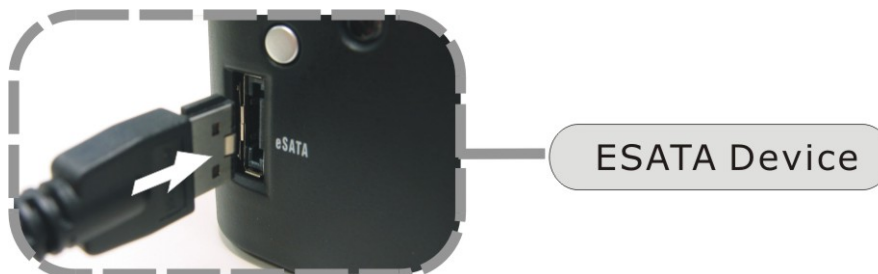


### Note:

- a. The Type A end of the USB cable is usually the end that connects to your computer.
  - b. If you are connecting an external HD to the USB ports on the device, we recommend users to connect the power adapter of the external HD to supply efficient power for your external HD.
2. Insert the other end to your USB storage device.

## Connect Your eSATA device to this product

The device equips one eSATA port that allows users to connect the device to an eSATA device. Please find the cable that came with your eSATA device. Connect your device to the “eSATA” port on front panel.



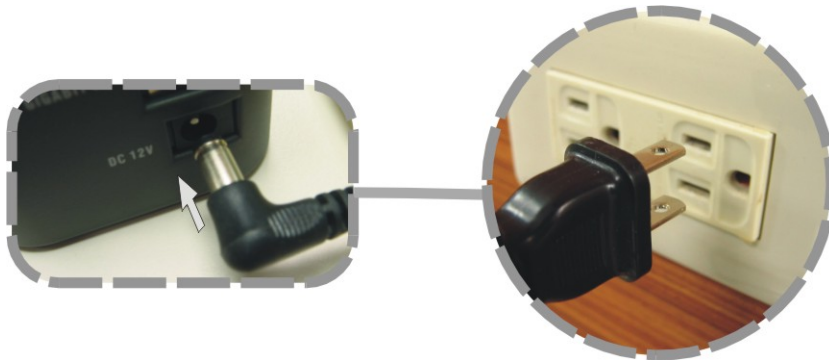
**Note:** You have to power your eSATA device on before powering on this product or your eSATA device cannot be detected by this product.

## Power on the device

1. Connect the included power cord with the power adapter



2. Connect the connector end to the device and the plug to an outlet.



3. Push the power button to power on.



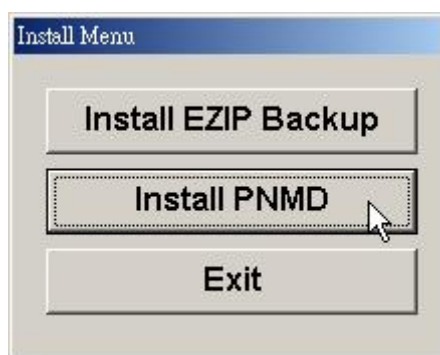
# Software Installation

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## Installing the PNMD

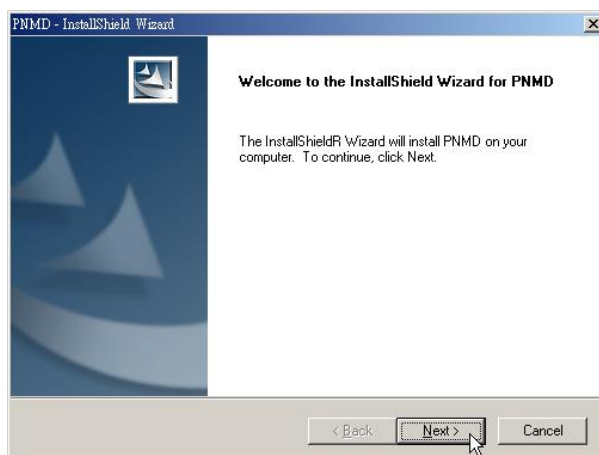
This PNMD program helps users to get accessed to those NAS in your LAN. Please follow the instructions to install the software.

1. Insert the CD-Rom that came with this product to your CD-Rom drive. The main menu pops up automatically. Click the **“Install PNMD”** button to start installation.

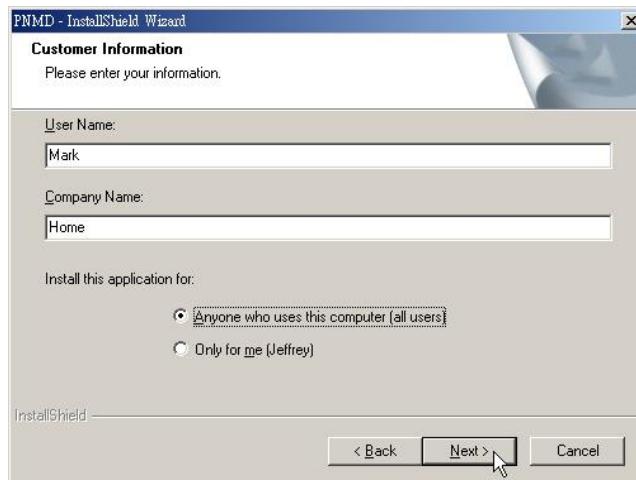


**Note:** If the auto-run program is not activated, please click on **“My Computer”** → **your CD-Rom Drive** then click the **InstallMenu** icon to start the main menu.

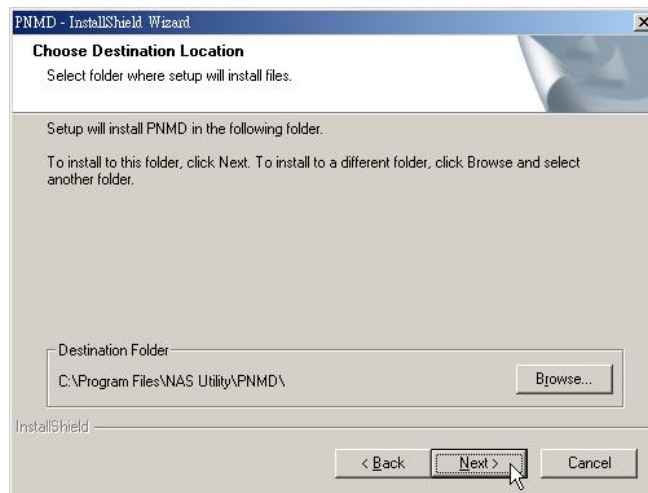
2. Click **“Next”** on the welcome window.



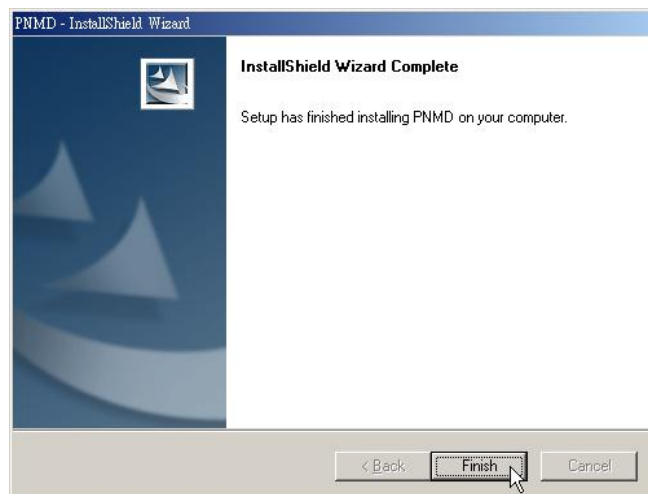
3. Fill your User Name and Company name in their respective blanks.  
Select if you want this software to be used by anyone who uses this computer or yourself only. Click Next to proceed.



4. Choose the destination folder for this software and click "Next" to start installation. You may click Browse to change the location.



5. Click "Finish" to complete the software installation.





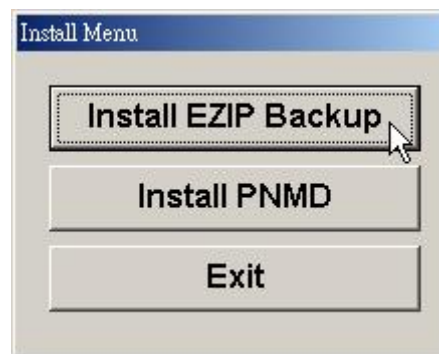
6. After successful installation, the  shortcut shows on your windows desktop.

**Note:** For instructions using the software, please refer to chapter “**Making Connection with the Device**”.

## Installing the EZIP Backup

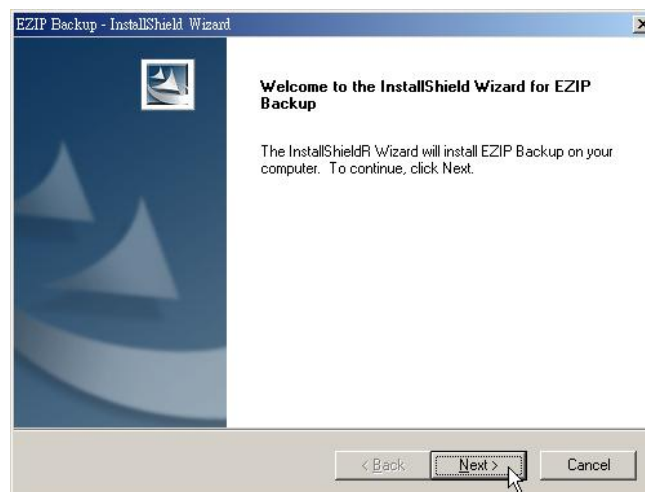
This EZIP Backup helps users to backup files on your computer to NAS. Please follow the instructions below to install the software.

1. Insert the CD-Rom that came with this product to your CD-Rom drive. The main menu pops up automatically. Click the “**Install EZIP Backup**” button to start installation.

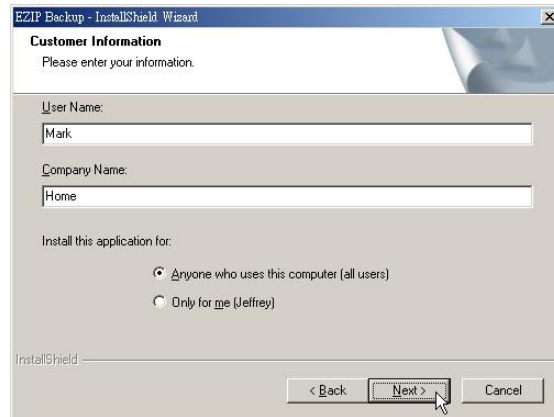


**Note:** If the auto-run program is not activated, please click on “**My Computer**” → **your CD-Rom Drive** then click the **InstallMenu** icon to start the main menu.

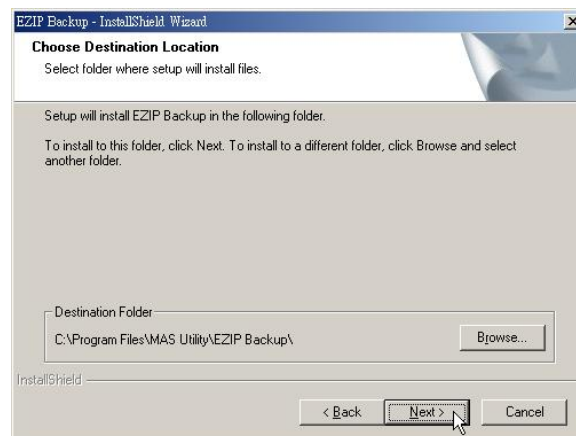
2. Click “Next” on the welcome window.



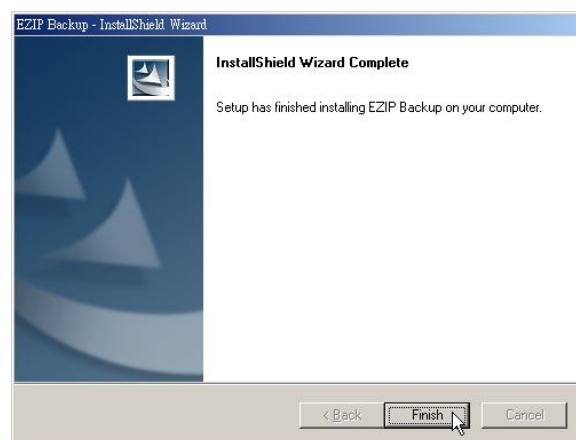
3. Fill your User Name and Company name in their respective blanks.  
Select if you want this software to be used by anyone who uses this computer or yourself only. Click Next to proceed.



4. Choose the destination folder for this software and click "Next" to start installation. You may click Browse to change the location.



5. Click "Finish" to complete the software installation.




6. After successful installation, the  shortcut shows on your windows desktop.

**Note:** For instructions using the software, please refer to chapter “ **Using EZIP Backup to backup your files**” in **Appendix**.

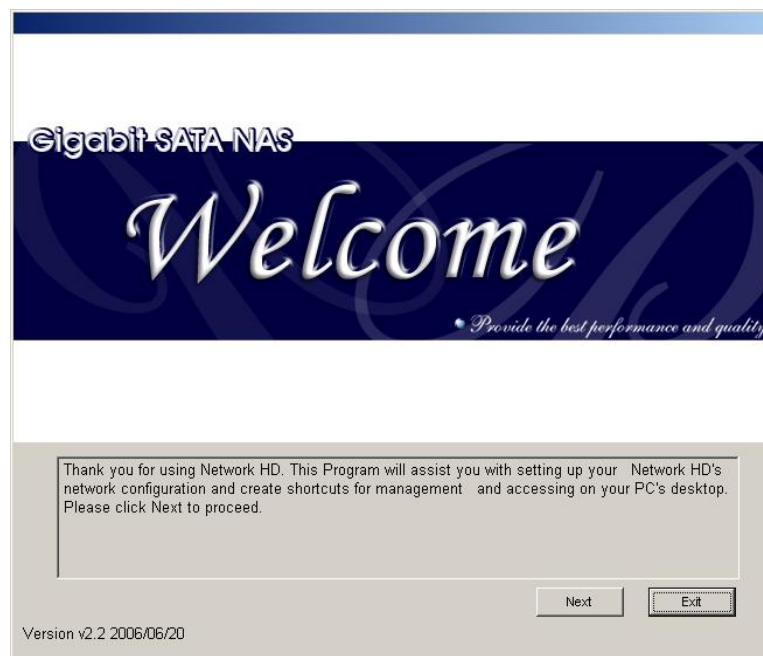
## Making Connection with the Device

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### Connecting the device with PNMD

1. Double click the  shortcut on your desktop. The PNMD begins scanning NAS in your LAN. Please click “**Next**” to proceed after the Welcome window pops up.

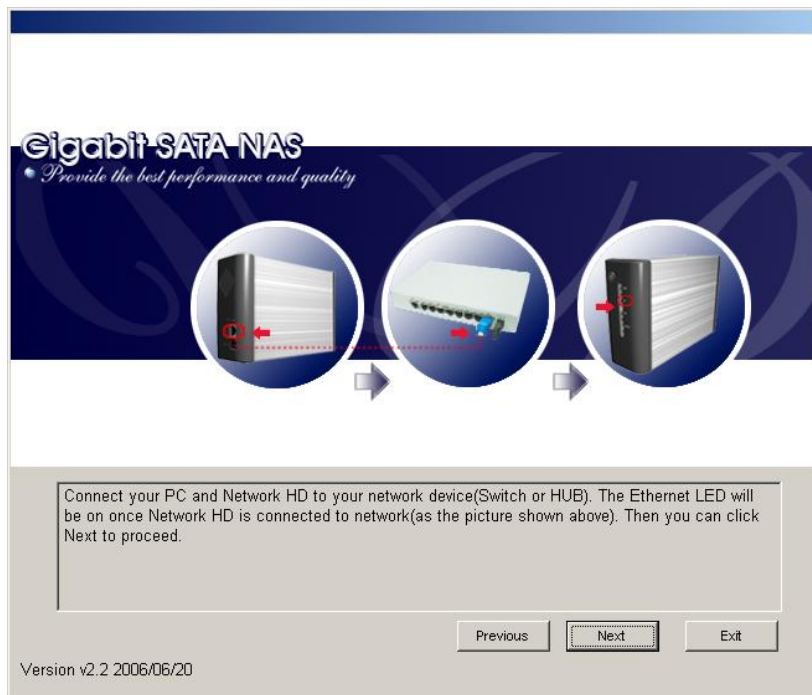
**Note:** This window pops up only when there is no device detected. It guides users to attach cables for the device. If the PNMD detects this product successfully, the window is not going to appear. Please skip to step 4 to continue.



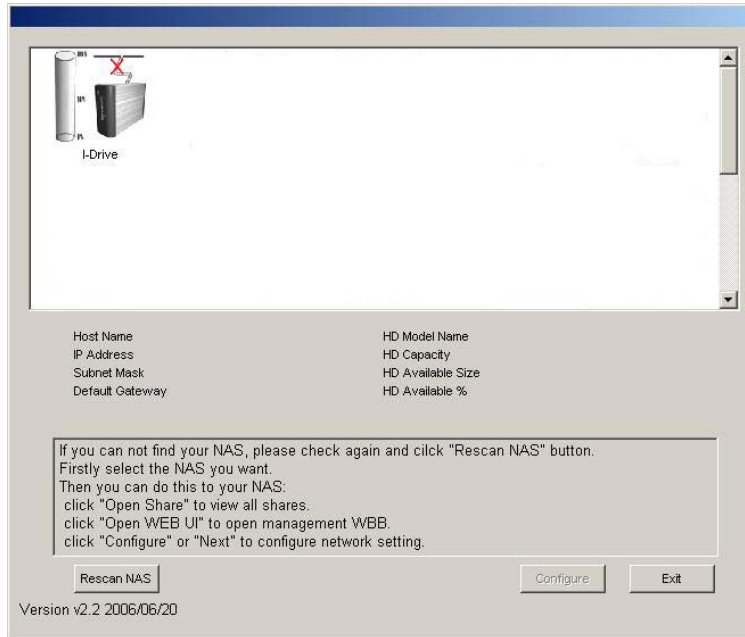
2. Connect the power adapter and press the power button to power on the device. Click “**Next**”.



3. Connect the LAN port to your switch or IP sharing router. The **PNMD** scanning the device again.

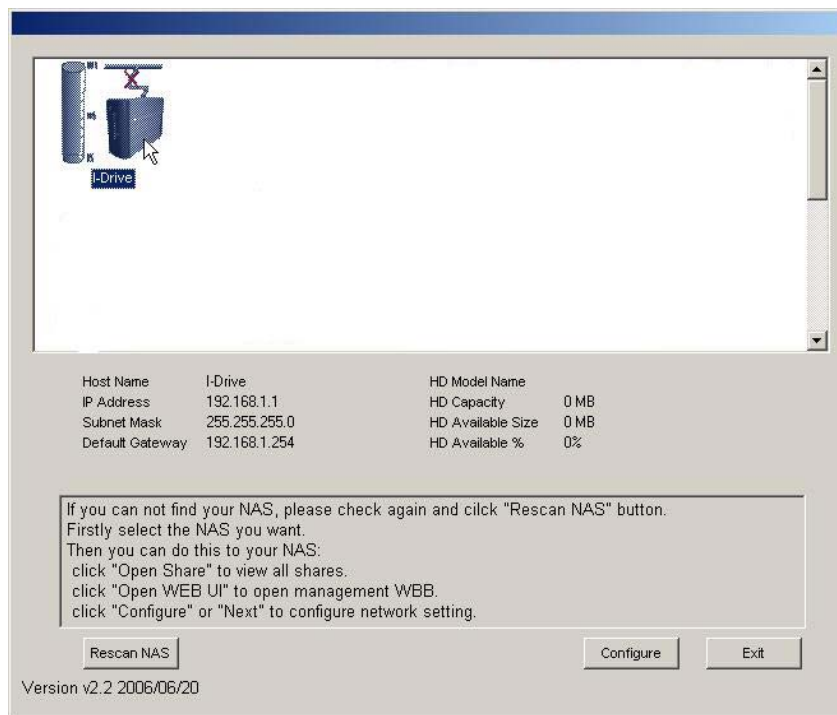


4. After scanning, the menu shows the NAS in your LAN. You may click the **Rescan NAS** button to search for NAS in your LAN again.



5. The window shows the connection status of the NAS in your LAN. You may click on each NAS to get detailed information of each NAS. Select the NAS that you are going to connect to and click the **Configure** button.

**Note:** The device cannot detect your hard drive if your hard drive is not formatted as EXT3 format. It shows no capacity on this window. To format your HD, please refer to **"HD Format"** after accessing the device.



- You may select **“Auto assign IP Address”**, which allows the PNMD to assign IP addresses for the device, or select **“Use the IP Address as below”**, fill in IP address for this device. Enter the username and password and click OK.

**Note:**

The default username/ password is admin/ admin. To get information modifying the username and password, see **“Administrator- Administrator Setting”**



- After successful IP address setting, the PNMD rescans NAS in your LAN automatically.



- Select your NAS. You may:

- Click the **Open Share** button to access to folders in the NAS or
- Click the **Open WEB UI** button. Fill in the username and password and click **OK** to open the GUI interface.



**Note:** To get instructions using the GUI, please see **“Using the Graphic User Interface (GUI)”**

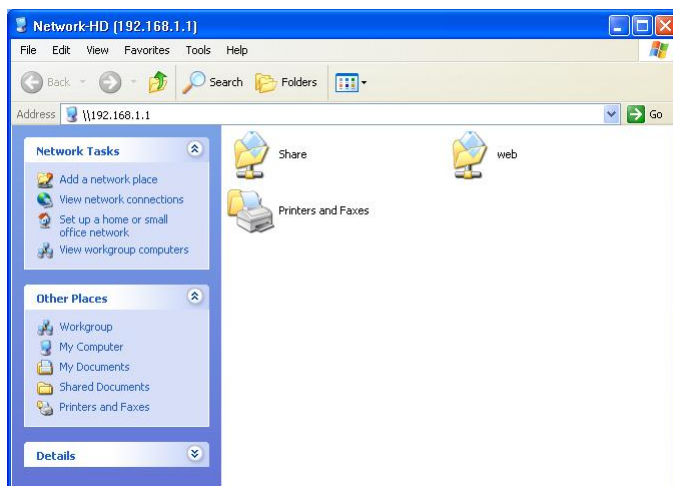
## To access to folders in the device

Double click the  shortcut on your desktop to start the PNMD. The PNMD window pops up. Select your NAS and click the  button.

Double click on the folder that you are going to access. An authentication window pops up. Fill in your username and password to access to this folder.

### Note:

1. We provide one default username/ password as **admin/admin**.
2. As default, the **"Share"** folder is created automatically and it can be read/write by all users.
3. You can change the authorities of the three predefined users for getting accessed to each folder. To change their authorities, please see **"To Configure Folder Properties"**
4. To add or configure a account, please see **"To Configure a User"**
5. Users that would like to use another set of username/ password after getting accessed to any folder please log off your operation system and log on again.




# Management Guide

Read this chapter to understand the management interface of the device and how to manage the device.

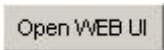
## Starting the Graphic User Interface (GUI)

The Graphic User Interface (GUI) is the management interface of this device. Most parameters and settings are configured over the GUI.

To get access to the GUI,

1. Double click the  shortcut on your desktop to start the PNMD.

**Note:** To get instruction installing the PNMD, please see “ **Installing the PNMD**”

2. The PNMD window pops up. Select your NAS and click the  button.
3. When the “Enter Network Password” window pops up, enter a user name and password.



4. Click OK. The GUI Opens.

**Note:**

1. The default user name and password is admin/ admin. To change the username/ password, please refer to “**Administrator-Administrator Setting.**”
2. Both the User Name and Password are case sensitive and alphanumeric.



# Using the Graphic User Interface (GUI)

---

This section provides an introduction to the GUI.

## Understanding the GUI

The GUI is consisted of the following components,

- 1. Configuration categories:** Located on the left side of each page. Lists the configuration categories on this device. To get access to each category, click on the button that you are going to configure.
- 2. Configuration items:** Located on the right side of each page. Shows the items that can be configured. You can click on the tabs that listed above to access to each sub-categories.

**Note:** For detail information about configuring each item, please refer to the management instruction for each configuration category.

## Management items list

The following table lists the information and items that you can configure with the GUI. For detail instruction, please refer to the following chapter.

Category	Sub-category	Information
<b>Status</b>	Status	Shows the status information of this device including Host name, IP address, HD used percentage, system up-time, firmware version, current Samba users and FTP users, firmware extension loaded and eSATA connecting status.
<b>Disk</b>	Folder	To add a new folder, delete a folder, change folder-access authentication and set up folder properties.
	Disk	To format the connected SATA interface hard disk in EXT3 Format..
<b>Network</b>	Host	To change the device's host name, Work group name and description.
	IP address	To configure the network settings for the device including IP address, Subnet Mask, Gateway, DNS server, DHCP enable/ disable and Jumbo mode selecting.
<b>System</b>	Administrator	To change the administrator name and password.
	Time	To set up the system time zone, synchronize time and assign a timeserver for the device.
	User	To add a new user, delete a user, setup user authorities and change user properties.
	Group	To make users in groups. Add users to groups or delete users from groups.
<b>Option</b>	FTP	Change FTP properties including Maximum unit number, Port number, Timeout setting and

	Security IP	enable/disable anonymous access. To configure the allowed or denied IP addresses for getting access to the device.
	Security MAC	To configure the allowed or denied MAC addresses for getting access to the device.
	File Download	To add, delete download tasks or change download task properties.
<b>Maintenance</b>	Maintenance	Provides device maintenance including backup the status of your configuration to the device, select code page, firmware upgrade, system restart, resetting factory default, configure sleeping mode, shut system down and load extended firmware.
<b>Web Server</b>	Web Server	To change the Web server prosperities.
<b>USB/eSATA</b>	Detail	Shows the USB device information that currently connected to the device.
	Disk Setup	To setup or remove the USB/eSATA device that connected to the device.

# Status

---

The Status page shows the following information of the device. To open the Status page, click the **Status** on the configuration categories list.

Items	Information
<b>Host name</b>	The identification of this device.
<b>IP-address</b>	The IP address of the device
<b>HD used (%)</b>	The usage percentage of HD (Total amount of HD)
<b>Up-time</b>	The estimate time that you power the device on
<b>Version</b>	The firmware version of the device.
<b>Samba Users</b>	The number of members who is currently using the device by Samba
<b>FTP Users</b>	The number of members who is currently using the device by FTP client
<b>Firmware extensions Loaded</b>	Check if the extension firmware is installed..
<b>eSATA used</b>	Check the connected eSATA device usage.

**Note:** This page shows the device information only. To do more configurations about each item, please refer to their instruction respectively in the following chapters.

## Status Information

Status	
<b>Host Name</b>	I-Drive
<b>IP Address</b>	10.10.99.146 (Static IP)
<b>HD used(%)</b>	0.03 % ( 156G )
<b>Up-Time</b>	13 Minutes
<b>Version</b>	V1.00(09-18-2006)
<b>Samba Users</b>	0
<b>FTP Users</b>	0
<b>Firmware extensions loaded</b>	Yes
<b>eSATA used</b>	not connected

## Disk

---

The Disk page allows users to:

1. Change the properties of folders.
2. Format the hard disk connected to the device with IDE connector.



To open the Disk page, click the **"Disk"** on the configuration categories list

### Folder- Folder Configuration

The folder configuration allows users to add folders, delete folders and change folder properties.

#### Folder Configuration

Folder    Disk

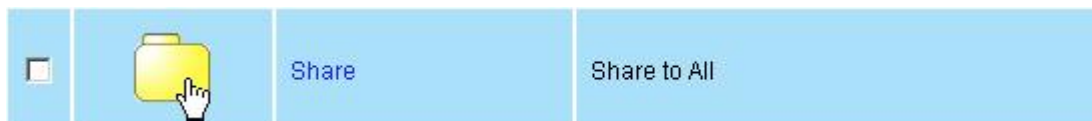
<input type="checkbox"/>		Share	Share to All
<input type="checkbox"/>		WEB	WEB

**Note:** Click "Add" to add a new folder.  
Click "Delete" to remove the folder you select from the list.  
Click the folder icon to change the folder name, description and user authority.




### To Configure Folder Properties

Click on the folder that you are going to configure.



The folder configuration page shows up. This page allows users to:

- Change Folder Name/ Folder Description.
- Add or remove authorized users or groups for this folder.
- Change folder-accessing authority level for users and groups.

Folder settings & permissions			
	<b>Folder name</b>	Share	<input type="button" value="Change folder name"/>
	<b>Folder description</b>	Share to All	<input type="button" value="Change description"/>
			<input type="button" value="Save"/>
Please set user's limit for this folder			
<input checked="" type="radio"/> Authentication-free access <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="radio"/> Current access permission for all users			
Group - Permissions setting			
 Sales	<input type="checkbox"/> Group applied	<input type="radio"/> No access <input type="radio"/> Read-only <input checked="" type="radio"/> Read and write	
User - Permissions setting			
 admin		<input type="radio"/> No access <input type="radio"/> Read-only <input checked="" type="radio"/> Read and write	

### To change the folder name/ folder description

1. Click on “**Change Folder Name**” or “**Change Description**” icon. The **Folder Name/ Folder Description Setting** page shows up.

<b>Folder name</b>	Share	<input type="button" value="Change folder name"/>
<b>Folder description</b>	Share to All	<input type="button" value="Change description"/>

2. Fill in the new name or new description for the folder and click "**Apply**".

**Note:**

- **Folder Name** (0~15 characters): The name for the folder.
- **Description** (0~48 characters): A note for the folder.
- Both folder name and description are alphanumeric.
- Blank character is not allowed for folder name and description.

Folder name									
	<table border="1"> <tr> <td><b>Old folder name</b></td> <td>Share</td> </tr> <tr> <td><b>New folder name</b></td> <td><input type="text" value="NewShare"/></td> </tr> <tr> <td><b>Folder description</b></td> <td>Share to All</td> </tr> <tr> <td><b>Note</b></td> <td>Folder name is limited to 15 characters. Description is limited to 48 characters.</td> </tr> </table>	<b>Old folder name</b>	Share	<b>New folder name</b>	<input type="text" value="NewShare"/>	<b>Folder description</b>	Share to All	<b>Note</b>	Folder name is limited to 15 characters. Description is limited to 48 characters.
<b>Old folder name</b>	Share								
<b>New folder name</b>	<input type="text" value="NewShare"/>								
<b>Folder description</b>	Share to All								
<b>Note</b>	Folder name is limited to 15 characters. Description is limited to 48 characters.								
<table border="1"> <tr> <td><input type="button" value="Apply"/></td> <td><input type="button" value="Undo"/></td> <td><input type="button" value="Back"/></td> </tr> </table>		<input type="button" value="Apply"/>	<input type="button" value="Undo"/>	<input type="button" value="Back"/>					
<input type="button" value="Apply"/>	<input type="button" value="Undo"/>	<input type="button" value="Back"/>							

3. The folder name/description is replaced successfully. You may click "**Change**" to do more configurations for this folder or click "**Back**" to return to folder list.

Folder Configuration					
	<table border="1"> <tr> <td><b>Folder name</b></td> <td>NewShare</td> </tr> <tr> <td><b>Description</b></td> <td>Share to All</td> </tr> </table>	<b>Folder name</b>	NewShare	<b>Description</b>	Share to All
<b>Folder name</b>	NewShare				
<b>Description</b>	Share to All				
<table border="1"> <tr> <td><input type="button" value="Change"/></td> <td><input type="button" value="Back"/></td> </tr> </table>		<input type="button" value="Change"/>	<input type="button" value="Back"/>		
<input type="button" value="Change"/>	<input type="button" value="Back"/>				

**Configure folder-accessing authority level for users and groups.**

1. Configure the access-permission rules for all users by pre-defined levels. Select one level and click "**Save**" to apply this authority for all users. The pre-defined levels use the following access permission rules:

Pre-defined Levels	Access Authority
<b>Authentication Free Access:</b>	No authentication. Everyone is allowed to get access to this folder without username and password.
<b>No access for all users:</b>	No accessing. No user is allowed to get access to this folder.
<b>Only Read access for all users:</b>	All users are allowed to read in this folder. Modification in this folder is not allowed.
<b>Read/ Write access for all users:</b>	All users are allowed to read and write this folder.
<b>Current Access Permission for all users:</b>	The folder uses user-defined authority settings. The access permissions in " <b>Group-Authority Setting</b> " and " <b>User-Authority Setting</b> " will be applied to this folder.

Please set user's limit for this folder

- Authentication Free Access
- No access for all users
- Only Read access for all users
- Read/Write access for all users
- Current Access Permission for all users

2. Configure the access-permission rules by groups and users:

**Note:** Before starting, you have to click "**Current Access Permission for all users**" in the "**Please set user's limit for this folder**".


**By Group:** Mark the checkbox to select an authorized group. Select an access-permission rule for this group and click "**Save**" to apply.

**By User:** Select an access authority for each user. Click "**Save**" to apply.


Please set user's limit for this folder

- Authentication-free access
- No access for all users
- Read-only access for all users
- Read/Write access for all users
- Current access permission for all users

Group - Permissions setting

 Sales	<input checked="" type="checkbox"/> Group applied	<input type="radio"/> No access
		<input type="radio"/> Read-only
		<input checked="" type="radio"/> Read and write

User - Permissions setting

 admin	<input type="radio"/> No access
	<input type="radio"/> Read-only
	<input checked="" type="radio"/> Read and write

**Tips:** To do an efficient access-authority configuration, please refer to the following recommend procedures:

Step1. Select a Pre-defined authority level for all users. (Ex, Click "**No Access for all users**" to configure all users as "**Non-access**" for this folder.

Step2. Click "**Current Access Permission for all users**" to allow configuration

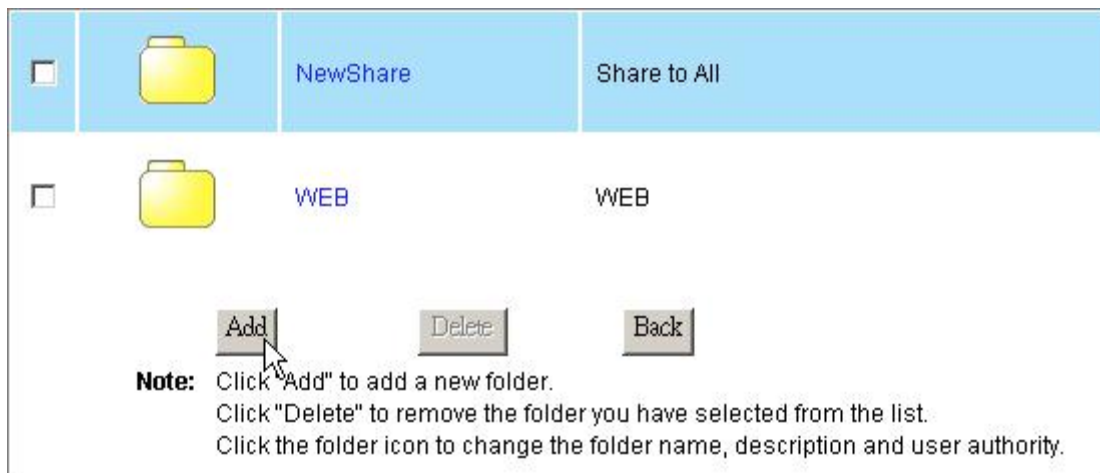
by groups or users.

Step3. Specify the users that have different authorities.

Step4. Click Save to apply.

## To Add a New Folder

1. Click the **"Add"** button on folder list.

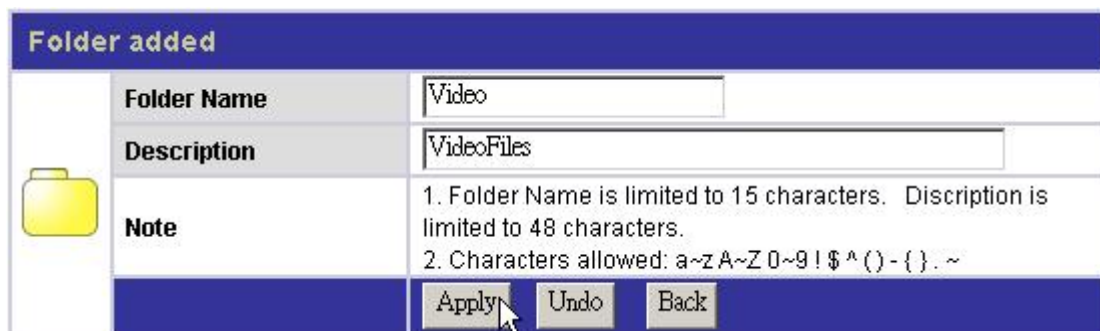


The screenshot shows a folder management interface. At the top, there is a header bar with a checkbox, a folder icon, the text 'NewShare', and 'Share to All'. Below this, there is a list of folders, each with a checkbox, a folder icon, and the text 'WEB'. At the bottom of the list, there are three buttons: 'Add', 'Delete', and 'Back'. A mouse cursor is pointing at the 'Add' button. Below the buttons, there is a 'Note' section with the following text: 'Note: Click "Add" to add a new folder. Click "Delete" to remove the folder you have selected from the list. Click the folder icon to change the folder name, description and user authority.'

2. Specify a folder name and description for the newly added folder. Click **"Apply"** to enable.

### Note:

- **Folder Name** (0~15 characters): The name for the folder.
- **Description** (0~48 characters): A note for the folder.
- Both folder name and description are alphanumeric.
- Blank character is not allowed for folder name and description.



The screenshot shows a 'Folder added' form. The form has a blue header with the text 'Folder added'. Below the header, there is a table with three rows. The first row is for 'Folder Name' with a text input field containing 'Video'. The second row is for 'Description' with a text input field containing 'VideoFiles'. The third row is for 'Note' with a text area containing the following text: '1. Folder Name is limited to 15 characters. Discription is limited to 48 characters. 2. Characters allowed: a~z A~Z 0~9 ! \$ ^ ( ) - { } . ~'. At the bottom of the form, there are three buttons: 'Apply', 'Undo', and 'Back'. A mouse cursor is pointing at the 'Apply' button.




3. Setup the folder properties and click **"Save"** to apply.

**Note:** For detail folder configuration, see **"To configure folder properties"**

### To Delete a Folder

1. Mark the check box of the folder that you are going to delete.
2. Click Delete to delete the folder.

<input checked="" type="checkbox"/>		NewShare	Share to All
<input type="checkbox"/>		WEB	WEB
<input type="checkbox"/>		Video	VideoFiles

Add

Delete

Back

**Note:** Click "Add" to add a new folder.  
Click "Delete" to remove the folder you have selected from the list.  
Click the folder icon to change the folder name, description and user authority.

## Disk- HD Configuration

To format your hard disk in EXT3 format:

1. Click **"Yes"** to execute HD Format.
2. Start formatting after your confirmation.

### Caution:

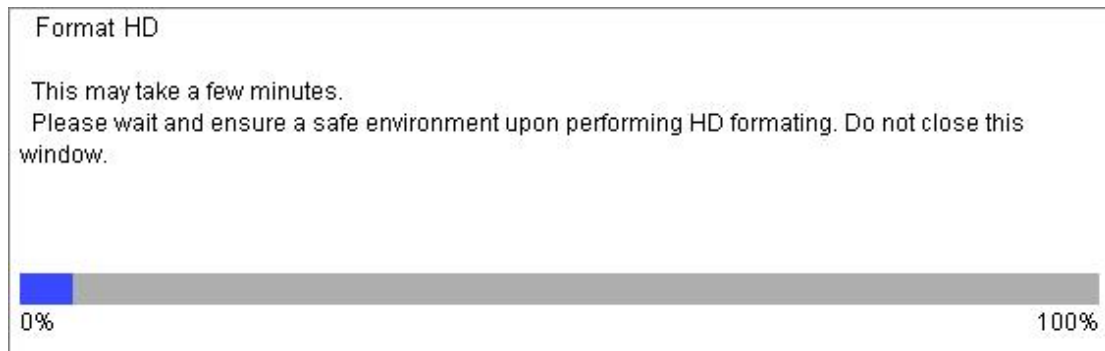
All files within the hard disk will be erased while HD Format is executed!!

### Note:

The Hard Disk will be formatted as EXT3 format.

HD Format	Yes	No
<b>Note:</b> It supports only EXT3 and may take several minutes. Please wait and ensure a safe operating environment. Note: When the HD format is completed, it will return to the "Home" page.		

3. After confirmation for HD formatting, the system starts formatting the hard disk. It may take several minutes according to the storage size of your hard disk. Please wait and DO NOT execute other configuration for this device while formatting.



# Network

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The Network page allows users to:

1. Configure general device information
2. Configure the network setting for the device.

To open the Network page, click the **Network** on the configuration categories list.

## Host- Host Name Setting

**Host Name** (1~15 characters): Define the user-defined device name.  
**Workgroup** (1~15 characters): Defines the workgroup name for the device which is going to be shown on "Network Neighborhood"  
**Description** (1~48 characters): Define a note for the device.

**Host Name Setting**

Host IP Address

**Host Name Setting**

<b>Host Name</b>	I-Drive
<b>Work Group</b>	WorkGroup
<b>Description</b>	
<b>Note</b>	1. Host Name & Work group are limited to 15 characters. Discription is limited to 48 characters. 2. Space character, control character and " '" are not allowed.

Apply Undo Back

## IP Address- IP address Setting

### To Enable DHCP Client

Click "**Enable**" to enact this device as a DHCP client and click "**Disable**" to disqualify.

DHCP Client  Disable  Enable

### To Configure the IP Addresses for the Device

The IP Address Setting contains parameters of the device network setting. To modify, fill in each blanks and click "**Apply**" to execute.

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<b>IP Address:</b>	Specifies the device IP
<b>Subnet Mask:</b>	Defines the Subnet Mask
<b>Gateway:</b>	Defines the default gateway
<b>Primary/Secondary</b>	Defines the DNS server
<b>DNS Server:</b>	

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Jumbo Frame Setting		
Jumbo Frame		Disable <input type="button" value="SET"/>
IP Address Setting		
DHCP Client		<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Manual Setting	IP Address	10.10.99.115
	Subnetwork Mask	255.255.255.0
	Gateway	10.10.99.254
	DNS Server	168.95.192.1
	Note	If you change the DHCP setting, the user interface will be disconnected and a new IP address will be assigned.
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>		

## Jumbo Mode

The device supports Jumbo frame for obtaining a more efficient network. You may choose 4000 or 7000 as the size of a packet.

To select Jumbo modes, choose a mode from the drop list and click SET to execute.

Jumbo Frame	Disable <input type="button" value="SET"/>
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# System

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The System page allows users to:

1. Configuring Administrator name and password.
2. Synchronize system time
3. Add, delete and configure a user
4. Add, delete and configure a group

To open the System page, click the **System** on the configuration categories list.

## Administrator- Administrator Setting

This page provides Administrator Name and password configuration, which are used for getting access to the Graphic User Interface.

To modify the Administrator Name and password:

1. Define a Administrator Name (4~16 characters) in the Administrator Name box
2. Fill in the original password (4~16 characters) in the **Old Password** box.
3. Define a new password (4~16 characters) in the **New Password** box.
4. Fill in the newly defined password (4~16 characters) in the **Confirm Password** box.
5. Click "**Apply**" to execute.

### Note:

1. The default Administrator Name and password are **admin/ admin**.
2. The Superuser ID is also the administrator ID while you access folders in this device via samba or ftp. The ID can access all folders in this device.
3. The Administrator Name and password are both case-sensitive and alphanumeric.
4. To enforce the security, it is recommended to change the Administrator Name and password periodically.

Superuser Password Setting	
Administrator   Time   User   Group	
Superuser Setting	Apply   Cancel   Back
Superuser ID	admin
Old Password	****
New Password	****
Confirm Password	****
Note	Please provide superuser name and password from 4 to 16 characters. Periodically change the superuser name and password to ensure security.

## Time- System Time Setting

The Time page provides time synchronizing function. You can synchronize the time by applying the time on your computer to the device or by connecting to a time server.

To configure the device time:

1. Select the time zone that corresponds to your region from the **Time Zone** drop list.
2. Select if applying **"Daylight Saving"** on system time by marking the checkbox or not.
3. To apply the time on your computer to the device, select **"Local Time"** and click **"Time Sync"** button
4. To synchronize the time from a time server, select **"Time Server"**, fill in a time server address in the Time Server box and click **"Time Sync"** to execute.
5. Click **"Save"** to apply your configuration or click **"Back"** to abort.

**Note:** the synchronized time will be applied by next reboot. To reboot the device, please see **"Restart the System"**

System Time Setting	
Administrator	Time
User	Group
<b>System Time Setting</b>	<input type="button" value="Save"/> <input type="button" value="Back"/>
<b>Time Zone</b>	Taiwan <input type="button" value="v"/>
<input checked="" type="radio"/> <b>Local Time</b>	Sun Jul 28 14:02:05 xxx 2002 <input type="button" value="Time Sync"/>
<input type="radio"/> <b>Time Server</b>	<input type="text" value="0.de.pool.ntp.org"/>
Clicking Time sync will restart the network daemon such as SAMBA and FTP	

## User- User Configuration

The User page allows users to:

- Add users
- Delete users
- Modify user properties



**User Configuration**

Administrator | Time | **User** | Group

 jeff

**Note:** Click [Add] to add a new user who is allowed to access the Gigabit SOHO NAS.  
Click [Delete] to remove the user you have selected from the list.  
Click on the user icon to change the user name, password and description.

### To Configure a User

1. Move the cursor onto the icon of the user that you are going to configure.



2. You can change the user's properties by modifying the settings on each item.

#### User Name

(4~16 characters):

Specify a name for the newly added user.

#### New password

(4~16 characters):

Enter a username for the new user

#### Confirm Password

(4~16 characters):

Enter the new password again to confirm the password

#### User Description


(0~47 characters)

Fill in a description as a note for the user


#### FTP Access

Click "**Yes**" to allow this user to access the device with FTP client. Click "**No**" to deny FTP access.

**Note:** The username and password for accessing the FTP server are the same with the one that configured above.

User-"jeff" setting																			
	<table border="1"> <tr> <td><b>User name</b></td> <td>jeff</td> <td><input type="button" value="Change name"/></td> </tr> <tr> <td><b>New password</b></td> <td colspan="2"><input type="password" value="****"/></td> </tr> <tr> <td><b>Confirm Password</b></td> <td colspan="2"><input type="password" value="****"/></td> </tr> <tr> <td><b>User Description</b></td> <td colspan="2"><input type="text" value="jeff"/></td> </tr> <tr> <td><b>FTP access</b></td> <td colspan="2"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td><b>Note</b></td> <td colspan="2">The maximum length of password is 16. Control character is not allowed in username. The maximum length of description is 48.</td> </tr> </table>	<b>User name</b>	jeff	<input type="button" value="Change name"/>	<b>New password</b>	<input type="password" value="****"/>		<b>Confirm Password</b>	<input type="password" value="****"/>		<b>User Description</b>	<input type="text" value="jeff"/>		<b>FTP access</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No		<b>Note</b>	The maximum length of password is 16. Control character is not allowed in username. The maximum length of description is 48.	
<b>User name</b>	jeff	<input type="button" value="Change name"/>																	
<b>New password</b>	<input type="password" value="****"/>																		
<b>Confirm Password</b>	<input type="password" value="****"/>																		
<b>User Description</b>	<input type="text" value="jeff"/>																		
<b>FTP access</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No																		
<b>Note</b>	The maximum length of password is 16. Control character is not allowed in username. The maximum length of description is 48.																		
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>																			

- To change the user name, click the **"Change Name button"**. The change username page shows up. Fill in the new user name in the **"New User Name"** box. Click **"Apply"** to execute.

Change User-jeff Name Setting							
	<table border="1"> <tr> <td><b>Old User name</b></td> <td>jeff</td> </tr> <tr> <td><b>New User name</b></td> <td><input type="text" value="jeff222"/></td> </tr> <tr> <td><b>Note</b></td> <td>The maximum length of username is 16. Control character is not allowed in username.</td> </tr> </table>	<b>Old User name</b>	jeff	<b>New User name</b>	<input type="text" value="jeff222"/>	<b>Note</b>	The maximum length of username is 16. Control character is not allowed in username.
<b>Old User name</b>	jeff						
<b>New User name</b>	<input type="text" value="jeff222"/>						
<b>Note</b>	The maximum length of username is 16. Control character is not allowed in username.						
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>							

### To Add a New User


- Click the **"Add"** button on the user list

<input type="checkbox"/>		jeff
<input type="button" value="Add"/> <input type="button" value="Delete"/> <input type="button" value="Back"/>		

- Define the user properties.

Note: For more information about each item, see **"To Configure a User"**



Add User Setting													
	<table border="1"> <tr> <td><b>User Name</b></td> <td><input type="text" value="mark"/></td> </tr> <tr> <td><b>New Password</b></td> <td><input type="password" value="****"/></td> </tr> <tr> <td><b>Confirm Password</b></td> <td><input type="password" value="****"/></td> </tr> <tr> <td><b>User Description</b></td> <td><input type="text" value="mark"/></td> </tr> <tr> <td><b>FTP Access</b></td> <td><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td><b>Note</b></td> <td>           1. When the FTP Access is enabled, this user is allowed to ftp this device.            2. A password that differs to the "User Name" is recommended.            3. Description is limited to 48 characters.            4. User Name and password are limited to 16 characters.            5. Characters allowed: a~z A~Z 0~9 ! \$ ^ ( ) - { } . ~         </td> </tr> </table>	<b>User Name</b>	<input type="text" value="mark"/>	<b>New Password</b>	<input type="password" value="****"/>	<b>Confirm Password</b>	<input type="password" value="****"/>	<b>User Description</b>	<input type="text" value="mark"/>	<b>FTP Access</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Note</b>	1. When the FTP Access is enabled, this user is allowed to ftp this device. 2. A password that differs to the "User Name" is recommended. 3. Description is limited to 48 characters. 4. User Name and password are limited to 16 characters. 5. Characters allowed: a~z A~Z 0~9 ! \$ ^ ( ) - { } . ~
<b>User Name</b>	<input type="text" value="mark"/>												
<b>New Password</b>	<input type="password" value="****"/>												
<b>Confirm Password</b>	<input type="password" value="****"/>												
<b>User Description</b>	<input type="text" value="mark"/>												
<b>FTP Access</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No												
<b>Note</b>	1. When the FTP Access is enabled, this user is allowed to ftp this device. 2. A password that differs to the "User Name" is recommended. 3. Description is limited to 48 characters. 4. User Name and password are limited to 16 characters. 5. Characters allowed: a~z A~Z 0~9 ! \$ ^ ( ) - { } . ~												
<table border="1"> <tr> <td><input type="button" value="apply"/></td> <td><input type="button" value="Undo"/></td> <td><input type="button" value="Back"/></td> </tr> </table>		<input type="button" value="apply"/>	<input type="button" value="Undo"/>	<input type="button" value="Back"/>									
<input type="button" value="apply"/>	<input type="button" value="Undo"/>	<input type="button" value="Back"/>											

3. Click **"apply"** to add the new user.

### To delete a user

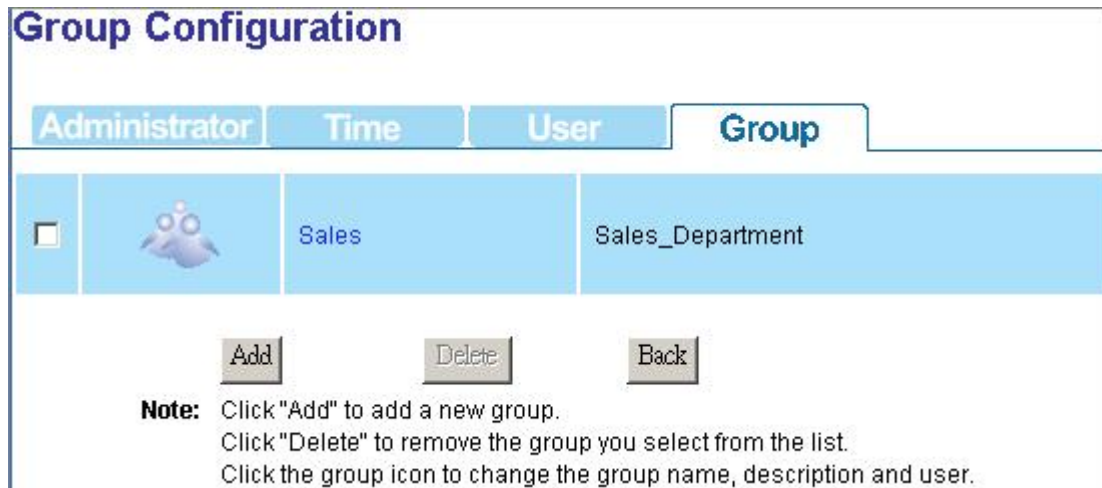
1. Select the user that you are going to remove from the device. Mark the check box of the user.
2. Click the **"Delete"** button to remove the user.

<input checked="" type="checkbox"/>		mark			
<table border="1"> <tr> <td><input type="button" value="Add"/></td> <td><input type="button" value="Delete"/></td> <td><input type="button" value="Back"/></td> </tr> </table>			<input type="button" value="Add"/>	<input type="button" value="Delete"/>	<input type="button" value="Back"/>
<input type="button" value="Add"/>	<input type="button" value="Delete"/>	<input type="button" value="Back"/>			

## Group- Group Configuration


The Group page allows users to:

- **Add groups**
- **Delete groups**
- **Modify group properties**



**Group Configuration**

Administrator | Time | User | **Group**

<input type="checkbox"/>		Sales	Sales_Department
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**Note:** Click "Add" to add a new group.  
Click "Delete" to remove the group you select from the list.  
Click the group icon to change the group name, description and user.

### To add a new group

1. Click **"Add"** button.



 Sales Sales\_Department

2. Configure the properties for this group.

#### Group Name

(0~15 characters)

Enter a group name as the group ID.

(**Note:** The group name must be started with an alphabet)





#### Group Description

(0~48 characters)

Fill in description as a note for the group

#### Authorized Users

Select group members by marking the check boxes.

Add New Group									
	<table border="1"> <tr> <td><b>Group Name</b></td> <td><input type="text" value="Market"/></td> </tr> <tr> <td><b>Group Description</b></td> <td><input type="text" value="MarketDepartment"/></td> </tr> <tr> <td><b>Note</b></td> <td>           Group Name is limited to 15 characters.            Discription is limited to 48 characters.            Characters allowed: a~z A~Z 0~9! \$ ^ ( ) - { } . ~            The first letter of your group name should not be a number.         </td> </tr> <tr> <td colspan="2"> <input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/> </td> </tr> </table>	<b>Group Name</b>	<input type="text" value="Market"/>	<b>Group Description</b>	<input type="text" value="MarketDepartment"/>	<b>Note</b>	Group Name is limited to 15 characters. Discription is limited to 48 characters. Characters allowed: a~z A~Z 0~9! \$ ^ ( ) - { } . ~ The first letter of your group name should not be a number.	<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>	
<b>Group Name</b>	<input type="text" value="Market"/>								
<b>Group Description</b>	<input type="text" value="MarketDepartment"/>								
<b>Note</b>	Group Name is limited to 15 characters. Discription is limited to 48 characters. Characters allowed: a~z A~Z 0~9! \$ ^ ( ) - { } . ~ The first letter of your group name should not be a number.								
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>									
Authorized Users									
<input checked="" type="checkbox"/>	<table border="1"> <tr> <td></td> <td>admin</td> </tr> </table>		admin						
	admin								

3. Click "**Apply**" to add the new group, click "**Undo**" to reload previous configuration and click "**Back**" to return to group list.


### To delete a group

1. Mark the check box of the group that you are going to delete.
2. Click "**Delete**" to remove the group or click "**Back**" to return to group list.

<input checked="" type="checkbox"/>		Market	MarketDepartment
	<input type="button" value="Add"/>	<input type="button" value="Delete"/>	<input type="button" value="Back"/>

### To configure a group

1. Click the icon of the group to configure.

<input type="checkbox"/>		Sales	Sales_Department
--------------------------	---	-------	------------------

2. Modify the properties for the group. Click "**Apply**" to execute the modification, click "**Undo**" to reload previous configuration or click "**Back**" to return to group list.

**Note:** For more information about the items, please see "**To Add a New Group**".

# Option

The Option page allows users to:

1. Configure FTP settings.
2. Ensure the device security by IP and MAC filter.
3. Download files with this device.

To open the Option page, click **Option** on the configuration categories list

## FTP- FTP Configuration

The device embeds a FTP server that allows 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.

<b>Enable FTP Server:</b>	Click Yes to enactive the FTP server function or click NO to disable it.
<b>Port Number:</b>	The Port number of the FTP server. Please fill in a number from 1 to 65535.
<b>Time out:</b>	The allowed time that keeps the FTP server connected with a FTP client. The FTP server terminates the connection if the client fails to response during the specified Time Out period.
<b>Allow Anonymous:</b>	Allow FTP client to connect with the device without username/ password authentication.

**Note:** Please DO NOT use the number 80 as the **Port Number**. As default, port 80 is the Administration Port for the device. To get more information about the Administration Port, please refer to “**Administration WEB**”

FTP Setting	
Port Number	21
Timeout	15 Minutes
Allow Anonymous	<input type="radio"/> Yes <input checked="" type="radio"/> No
Note	1. The maximum number of unit is up to 5 when SWAP disable. If you enable SWAP function, the maximum number will fix to 32 2. The port number is between 1 and 65535.

Apply Undo Back

## Security IP- IP Filter Setting

The Security IP function provides access management by IP address filtering. There are three modes for the IP filter.

1. **Disable:** Disable the IP Filter function. All IP addresses are allowed to access the device.
2. **Allowed:** Setup the IP addresses that are allowed to access the device. Only the configured IP addresses have the right to access the device.
3. **Denied:** Setup the IP addresses that are denied to access the device. The IP addresses that are configured are not allowed to access the device.

### Tip:

For example, to prevent the IP address "192.168.1.3" from connecting with the device:

1. Select "**Denied**" From the "**IP Access Check**" drop list.
2. Fill the IP address "192.168.1.3" in the **IP Address 1** box.
3. Click "Apply" to execute your configuration.

IP Filter Setting	
IP Access Check	Denied
IP Address 1	192.168.1.3
IP Address 2	
IP Address 3	
IP Address 4	
IP Address 5	
IP Address 6	
IP Address 7	
IP Address 8	
IP Address 9	
IP Address 10	
Apply Back	

## Security MAC- MAC Filter Setting

The Security MAC function provides access management by MAC address filtering. There are three modes for the MAC filter.

1. **Disable:** Disable the MAC Filter function. All MAC addresses are allowed to access the device.
2. **Allowed:** Setup the MAC addresses that are allowed to access the device. Only the configured MAC addresses have the right to access the device.
3. **Denied:** Setup the MAC addresses that are denied to access the device. The MAC addresses that are configured are not allowed to access the device.

### Tip:

For example, to prevent the MAC address "D0:E0:7D:CD:C5:5E" from connecting to the device:

1. Select "**Denied**" From the "**MAC Access Check**" drop list.
2. Fill the MAC address "D0:E0:7D:CD:C5:5E" in the **MAC Address 1** box.
3. Click "Apply" to execute your configuration.

MAC Filter Setting	
MAC Access Check	Denied
MAC Address 1	D0:E0:7D:CD:C5:5E
MAC Address 2	
MAC Address 3	
MAC Address 4	
MAC Address 5	
MAC Address 6	
MAC Address 7	
MAC Address 8	
MAC Address 9	
MAC Address 10	
Apply Back	

## File Download- File Download Configuration

The File Download page allows users to download files with this device.

**Note:** Before using this function, you should load the “**ntx\_libra.tgz**” first. To get information for installing the “**ntx\_libra.tgz**” file, please see “**Load firmware extensions**”

**The instruction below uses the following assumptions:**

**The address for downloading:**

[http://www.example.com/downloads/sample\\_file](http://www.example.com/downloads/sample_file)

**The authorized account name:** peter

**Password:**12345

**The target folder where the downloaded data is going to be placed:** Share

**Note:** The download address, account name and password are made up for the example. There is no such an address and account.

To start a download task

1. Fill the address you get for downloading files in the “**Address**” box. (ex, enter the address [http://www.example.com/downloads/sample\\_file](http://www.example.com/downloads/sample_file) to the “**Address**” box)
2. Enter an account name and password in the “**Account**” and “**Password**” box respectively. (Ex, enter “peter” in the “**Account**” box and “12345” in the “**Password**” box.
3. Select a folder to place the downloaded data in “**Save Path**” drop list. (Ex, Select the folder Share from the drop list.)
4. Click Apply to perform file download.
5. To cancel or terminate a download task, click the “**Del**” button to erase the download information then click “**Apply**” to execute.
6. You may also click the “**Status**” button to check the download information.

File Download Configuration				
FTP		Security IP	Security MAC	File Download
Address	Account	Password	Save Path	Del
<input type="text" value="http://www.example.com/dlo"/>	<input type="text" value="peter"/>	<input type="text" value="12345"/>	Share ▾	Del
<input type="text"/>	<input type="text"/>	<input type="text"/>	TestUPNP ▾	Del
<input type="text"/>	<input type="text"/>	<input type="text"/>	TestUPNP ▾	Del
<input type="text"/>	<input type="text"/>	<input type="text"/>	TestUPNP ▾	Del
<input type="text"/>	<input type="text"/>	<input type="text"/>	TestUPNP ▾	Del
<b>Notice</b>	The download setting for the software that restrict input with maximum values are ten from network.			
Apply Status Back				

# Maintenance

---

The Maintenance page allows users to:

1. Backup/ download the configuration status of the device.
2. Select Code Page for the device.
3. Upgrade the device firmware.
4. Restart the system
5. Reset factory default.
6. Apply Character Set and UP&P function to the device.

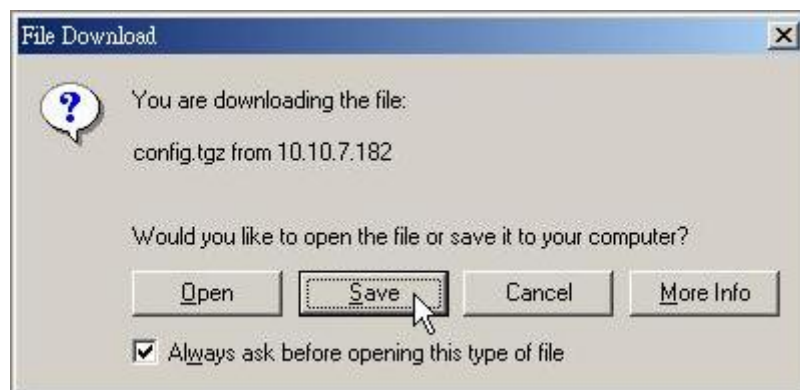
To open the Maintenance page, click the **Maintenance** on the configuration categories list.

## Upload/ Download Your Configuration

The Upload/ Download configuration column allows users to backup and download the configuration status of the device.

### Backup the Device Configuration Status:

1. Click the Download button.
2. The File Download dialogue window pops up, click "**Save**".



3. Specify a folder to place the downloaded data and click "**Save**". Click "**Close**" to complete.



## Reload the Device Configuration Status:

1. Click "**Browse**" and locate the file that you backup before.

**Note:** To know how to backup the configuration status, see "**Backup the Configuration Status**"

2. Click "**Upload**" to execute.

3. The system restarts automatically to reload your previous configuration.

---

Config Upload or Download	<input type="button" value="Upload"/>	<input type="text" value="D:\Config backup\config.tgz"/>	<input type="button" value="Browse..."/>
	<input type="button" value="Download"/>		

---

## Code Page

The Code Page helps this device to recognize correct file name while users access the device via FTP server. To apply another code page, select a proper code page from the drop list and click "Apply" to execute.

**Note:** As default, the code page is configured to be corresponding to your region. Changing the code page is not recommended unless you got unrecognizable characters on file name or folder name.

---

Code Page	<input type="text" value="850 (ISO 8859-15 Euro)"/>	<input type="button" value="Apply"/>
-----------	---	--------------------------------------

---

## Firmware Upgrade

To upgrade the firmware, click the "**Browse**" button to locate the firmware. Click the "Update" button to perform firmware upgrade.

**Note:** To get new firmware of the device, please contact your distributor for more information.

---

Firmware Upgrade	<input type="button" value="Update"/>	<input type="text"/>	<input type="button" value="Browse..."/>
------------------	---------------------------------------	----------------------	--

---

## Restart the System

This column allows users to restart the system. To perform system restarting, click the **“Restart”** button.



## Reset to Factory Default

To restore the factory default configuration for the device, click the **“Set to Default”** button to execute.

### Note:

1. All the user-defined configurations will be erased and replaced as factory default setting.
2. We recommend users to backup the configuration status before restoring factory default. To get more information for backup your configuration, see **“Backup the Device Configuration Status”**



## Sleep mode

This device supports Sleep Mode, which stops the device temporarily while there are no operating on the device for a certain period of time. To enable Sleep Mode, click on the drop list to specify a time and click **“Apply”** to execute.



## System Shut Down

To turn off the device, click on the shutdown button and wait the device to turn off automatically.

---

System Shutdown

Shutdown

---

## Load Firmware extensions

To enable the Unicode and UPNP function for the device, you have to install the “**ntx\_libra.tgz**” file to the device before any configuration.

To install the file,

1. Insert the included CD and click the “**Browse**” button.

**Note:** The **Install Menu** may auto run. Click “**EXIT**” to close it.

2. Right click on your CD-Rom drive. Select the **Firmware Extensions** folder.  
Select the “**ntx\_libra.tgz**” file and click “**Open**” to browse the file.
3. Click “**Apply**” to perform installation.
4. It takes a few seconds to perform installing, please wait upon installation.

---

Load firmware  
extensions

Apply

Browse...

# Web Server

---

## Web Server

### Administration WEB

The Administration port is the port for accessing the Web-based management interface.

To modify the Administration Port, enter a port number from 1 to 65535 then click Apply to save your configuration.

**Note:** The Port 80 is configured as the default Administrator WEB Server Port.

### Web Server Configuration

The device embeds a WEB server that allows users to construct a Website.

To activate the WEB server,

1. Click "Yes" to enable.
2. Specify a port number from 1~65535.
3. Specify a "WEB Folder" where you place your HTML files.

**Note:**

1. The WEB server supports HTML format only.
2. As default, the Port 80 can't be setup as the Web Server Port for "80" has been configured as the Administration port.
3. We also provide a Website template for you to build-up a Website and enjoy the WEB server properties easily. To use the template, insert the included CD, copy the data in the folder "WEB Template". Paste those data in the folder that you configured as the "WEB Folder"

WEB Server	
<b>Administration WEB</b>	
Administration Port	80
<b>WEB Server</b>	
Enable WEB Server	<input type="radio"/> Yes <input checked="" type="radio"/> No
WEB Server Port	8080
WEB Folder	Share
<b>Note</b>	1. Port number must be between 1 and 65535. 2. WEB folder is the location of all your HTML files. WEB server will start from "index.html", if it exists.
Apply Undo Back	

# USB

---

## Detail

The Detail page shows the information of the connected USB devices:

---

<b>USB Class:</b>	The USB device type.
<b>Manufacturer:</b>	The manufacturer of the connected USB device
<b>Device Name:</b>	Name of the connected USB device.
<b>USB 2.0/ 1.1:</b>	The USB standard supported by the connected USB device.

---

The screenshot shows the 'USB Setup' interface with four tabs: 'Detail', 'Disk Setup', 'Printer Setup', and 'Clean Printer Job Queue'. The 'Detail' tab is active. Below the tabs is a table with the following data:

USB Class	Manufacturer	Device Name	USB 2.0/1.1
Printer	HP	Deskjet 5700	USB 2.0

## Disk Setup

The Disk Setup page allows users to:

1. Get information about the connected USB/eSATA device.
2. Format the connected USB/eSATA storage device.
3. Safely remove the connected USB/eSATA device..

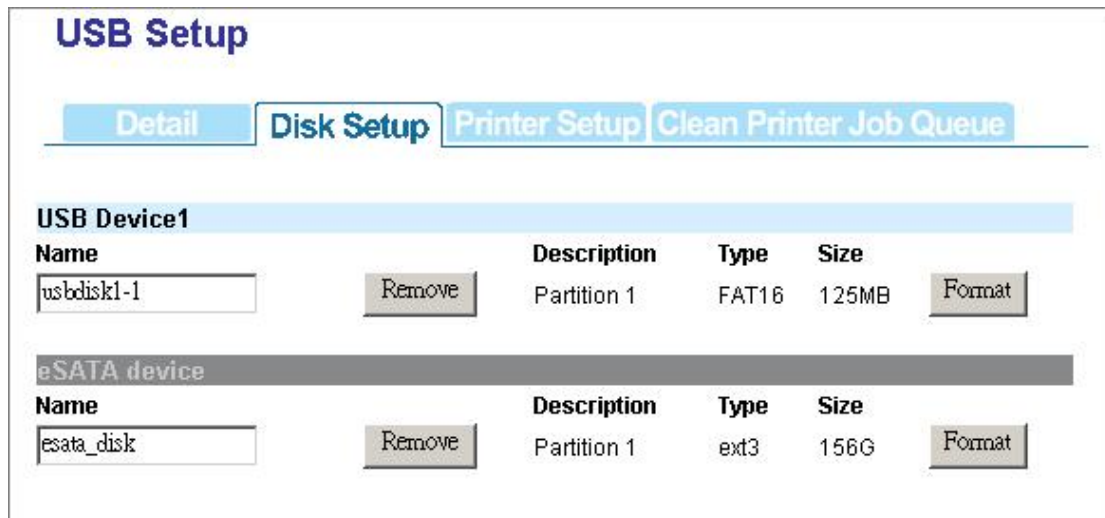
## USB Storage information

---

<b>Name (1 ~ 16 characters):</b>	Define a name for the USB storage device. <b>Note:</b> The name is also the folder name that is going to be displayed while access the device form computers.
<b>Description:</b>	The partition order of the connected device. <b>Note:</b> 1. The device recognizes the first four partitions only. We recommend users not to format your USB/eSATA device for more than 4 partitions. 2. The device support one connected USB storage device. Only one USB storage device can be recognized while there are two USB storage device connected simultaneously.

---

<b>Type:</b>	The file format of the connected storage device.
<b>Size:</b>	The size of the connected storage device.
<b>Remove button</b>	Click this button to safely remove the connected device.
<b>Format button</b>	Click this button to format the connected device in EXT3 file format.



**Note:** Always disconnect your connected USB or eSATA device by clicking the **Remove button**. To remove your improperly may lead to data loss

## Printer Setup

### Procedures to setup the printer

**Note:** The device supports one connected USB printer only. Printer Connections on both the USB ports may led the printer functioned unsuccessfully.

1. Connect the USB cable of your printer to the device. Power on your printer.
2. Open the GUI and click "**Maintenance**". Install the firmware extension file to the device..

**Note:** To get information for installing the printer server file, please see "**Load Firmware extensions**"

3. Click USB→ Detail, you can see the information of your printer.


USB Setup				
Detail		Disk Setup	Printer Setup	Clean Printer Job Queue
USB Class	Manufacturer	Device Name	USB 2.0/1.1	
Printer	HP	Deskjet 5700	USB 2.0	

4. Click Printer Setup, Click "Yes" in the "Printer enable" column and click "Apply"

**Note:** After finishing the four steps above, the printer server function is activated.

To setup the computers that are going to use the printer, please follow the instructions from step 5.

Detail		Disk Setup	Printer Setup	Clean Printer Job Queue
Print Server				
Printer port	Printer name		Printer enable	
Printer Enable	Deskjet 5700		<input checked="" type="radio"/> Yes <input type="radio"/> No	
		Apply	Back	
<b>Note</b>	The option will be decide printer that driver can be enable or disable. User will press apply button to execute driver through printer setting web page.Process cannot be stopped once it has begun.			

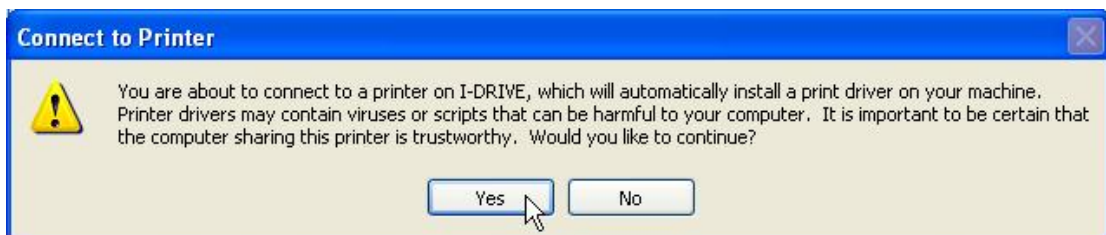
5. Double click the  shortcut on your desktop to start the PNMD. The PNMD

window pops up. Select your NAS and click the  button.

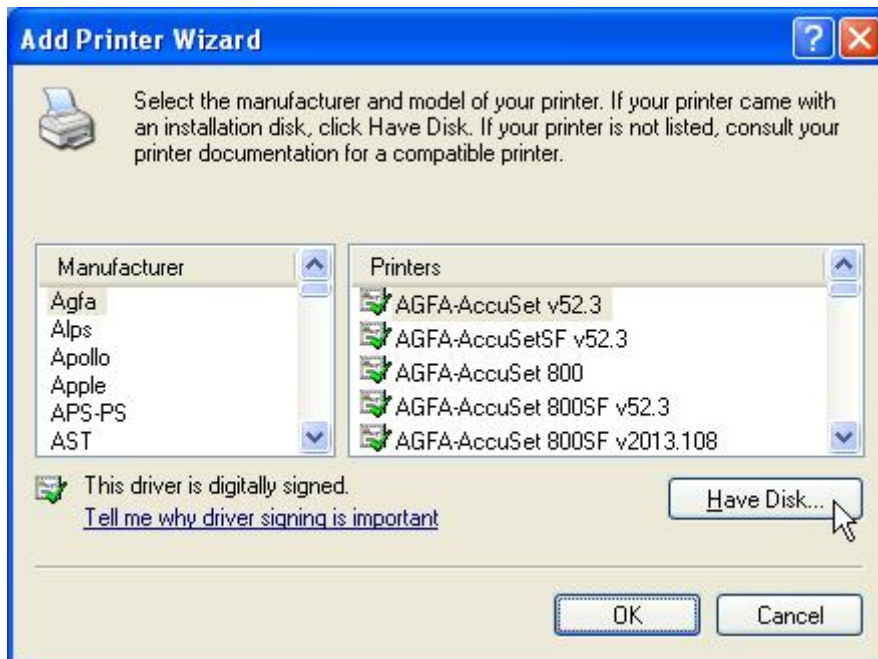
6. You can find a printer icon. Double click on this icon to proceed.



7. The system asks for installing the driver for the printer. Click "Yes" on the warning dialogue windows to proceed.

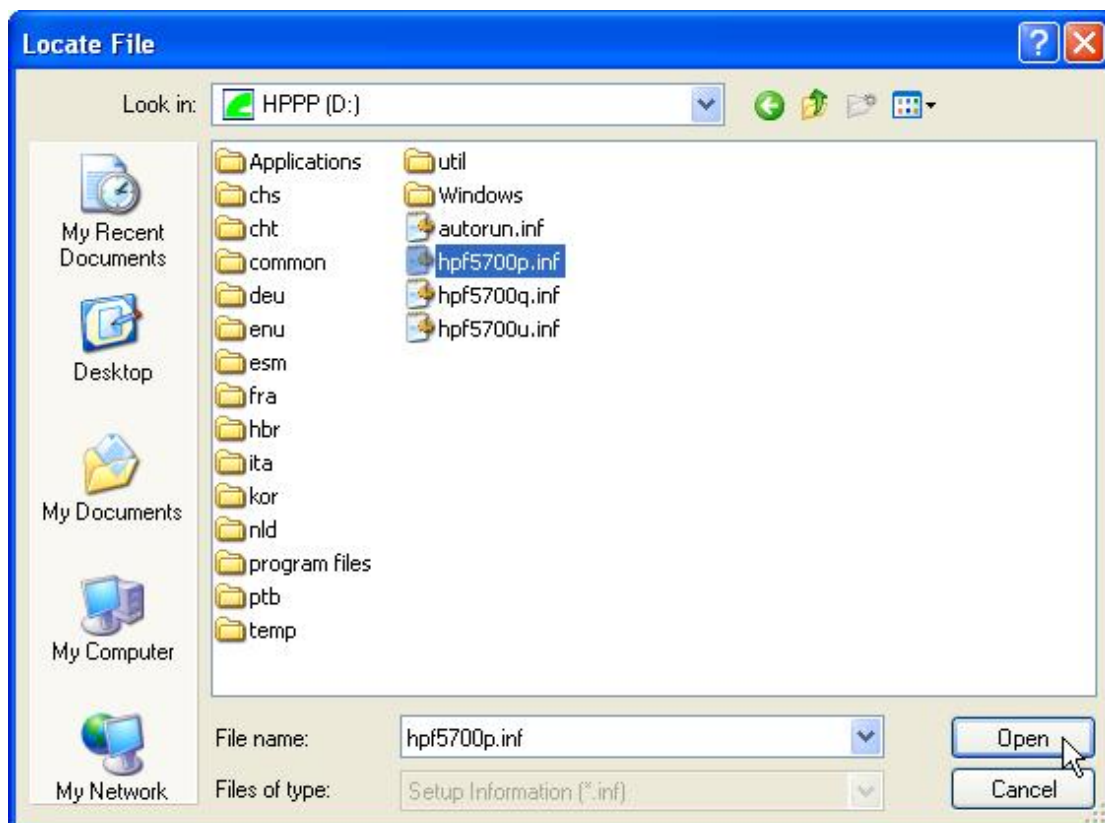


8. Insert your CD that came with your printer. Click the "Have Disk Button"



9. Browse to the driver in your CD. Click "Open" to browse the driver.

**Tip:** The correct driver is usually the file with the product name in " \*.inf" format.

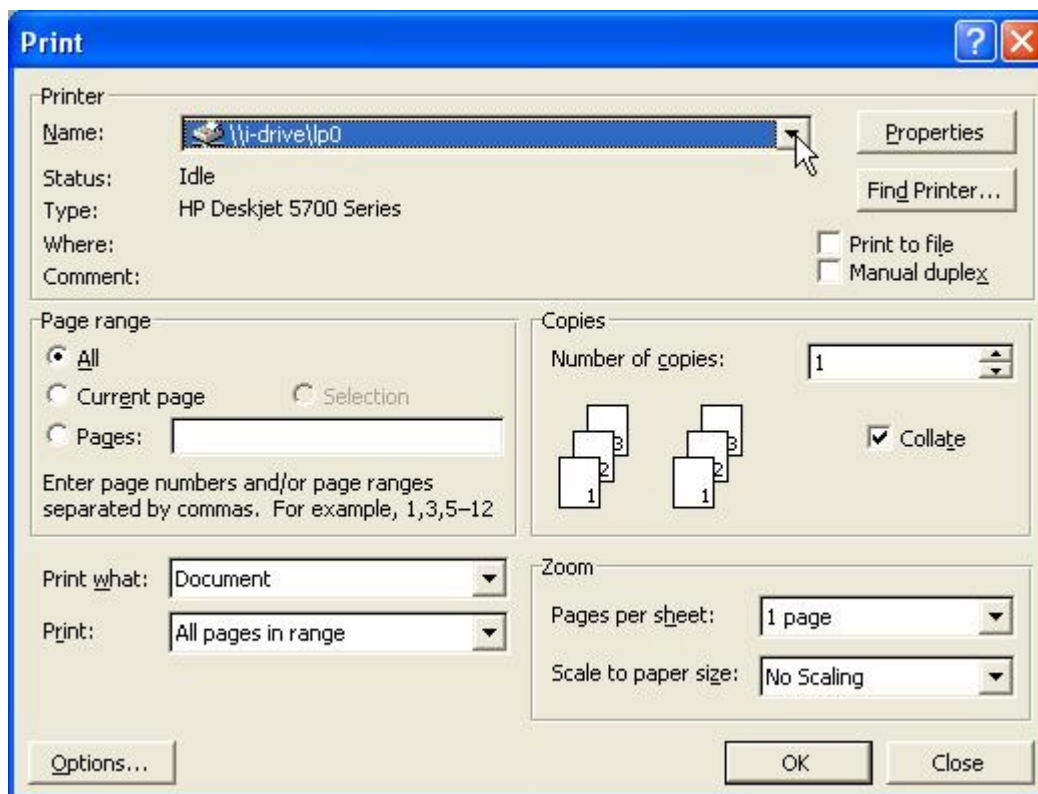


10. Click the "OK" button to start driver installation.





11. The printer is ready for use now.



## Clean Printer Job Queue

The Clean Printer Job Queue allows users to clean the pending print jobs that wait for printing.





To perform cleaning printer job queue, click the **Execute** button and click **Yes** to confirm.

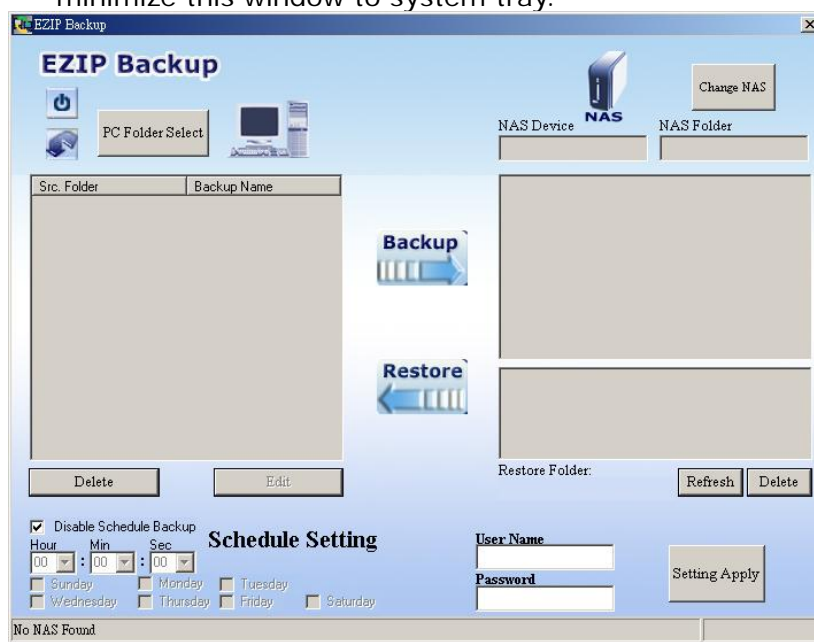


# Appendix

## Using EZIP Backup to back up your files

This program helps users to backup the files on you computer to your NAS. Those back-upped files are going to be compressed as \*.zip format in your NAS.

1. Double click the  shortcut on your desktop.
2. Click the  icon on system tray. The “EZiP Backup” window pops-up. You may click the  button to close this program or click the  button to minimize this window to system tray.



3. Click "**PC Folder Select**" button. Browse a folder that you are going to backup and click OK. The folder that you selected shows on the list.

Src. Folder	Backup Name
D:\Working Table	Working Table

4. Click the "**Change NAS**" button to select a NAS. Select a NAS in the NAS device drop list. Select a destination folder for locating the back-upped files.

5. Fill in a user name and password for accessing this folder. Select the time that you are going to execute backup. Click "**Setting Apply**".

Note: You may also mark the "**Disable Schedule Backup**" checkbox to disable EZIP Backup to backup your files by schedule.

6. Click the "**Apply**" button on the up-right corner of the window.



7. Click the  button to start backup.

To restore a back-upped file to your PC, select the file on the list and click



to perform restoring.

## Trouble Shooting

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### **1. How to shut down the device properly?**

**Ans.**

To shut down the System properly, press the Power button on the front panel for two seconds until Power LED blinks then go off.

### **2. The PNMD can't configure My Network setting.**

**Ans.**

- Make sure that your RJ-45 cable is connected with the device and your PC/Switch.
- Check if the LINK/ACT LED illuminates.
- Check the power of the device, your PC and Switch. Make sure that it's on.
- Check your PC's IP address, make sure that it has a static IP or connects with a router with DHCP server. For instruction about the IP setting, Please refer to the "**IP Protocol Setup**" Chapter.
- Reboot the system with Web-based UI or press the Reset Default Button to restore the factory default setting and reboot.

### **3. The device can't find my SATA interface HD**

**Ans.**

- The HD is unformatted. Please format it with our HD Format tool.
- The partition format of HD is not EXT3, ex. NTFS. Please format it with the provided Format tool.
- The HD maybe broken. Please change another HD and try again.

### **4. I use Device as a Web/ FTP server, but the users that outside the LAN can't access it.**

**Ans.**

- For WAN users to get access to the FTP or WEB server, you should link the device to a router with appropriate configuration. Please make sure that:
  1. The NAT functionality is enabled in your router.
  2. In the port-mapping session, the "Internal Host IP" should be configured as the IP address of this Device and the value of "Port" should be corresponded to the port number of the WEB server or FTP server you configured.  
(Ex, If the IP address of your device is 10.10.7.251, the port number of your FTP is configured as 21 and the port for Web Server is as 8888, you should add or modify a port mapping record, set the Internal Host IP address as 10.10.7.251, the Port as 21. then add or modify another port mapping record, set the Internal Host IP address as 10.10.7.251 and the Port as 8888)
  3. Before allowing the device to communicate with Internet, we strongly recommend users to add a Firewall device to secure your network from being invading.

**5. I can't access this device.**

**Ans.**

- Check the LINK/ACT LED of Device illuminates.
- Reboot the system with Web-based UI or press the Default Button to restore the Factory default setting and reboot.
- Maybe there are too many concurrently connected users. The system blocks the upcoming users after meeting the maximum allowed number.

**6. I have accessed the HD, but I can't access to the folders.**

**Ans.**

- Verify you have the correct username and password.
- If you have accessed to any folder in the HD and would like to use another set of username/ password for different authority, please log off your operation system and log on again.

**7. There are unrecognizable characters as the file name.**

**Ans.**

- Verify if the Unicode file is loaded to the device successfully. To get instruction loading the file, please see "**Load Firmware extensions**".
- Check if you select a correct Code Page in "**Maintenance**".

**8. I have followed the procedures to setup the printer and it just doesn't work.**

**Ans,**

- Check if you power your printer on.
- Verify that the cables are connected correctly
- Make sure that you enact the printer server functionality, you can refer to "**Printer setup**" for more information
- You may select an incompatible printer driver. Click Start→ Setup→ Control Panel. Double click the printer icon. Remove this printer and install a different driver and try again.
- The device supports one connected USB printer only. Printer Connections on both the USB ports may led the printer functioned unsuccessfully.

**9. I can't add a new user.**

**Ans,**

- This device supports usernames with lower case only. Please check if you specify a new user with a capital letter.

**10. I can't configure the default user "admin" in User Configuration.**

**Ans,**

- The username and password of the user "**admin**" can only be configured in the System→ Administrator page. Please note that you will have to login the GUI with this new superuser ID and password after changing it.
- The Superuser ID is also the administrator ID while you access folders in this device via samba or ftp. The ID can access all folders in this device.

**11. My eSATA cannot be detected.**

**Ans,**

- Verify that you connect the cable correctly between this product and your eSATA device.
- Power off this product and your eSATA device. Power on your eSATA device first and then power on this product. Please note that you should always turn on your eSATA device first.

# Product Specification

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## Standard

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

## Supported Protocol

TCP/IP, HTTP, SMB, FTP, DHCP, uPnP

## Support concurrently connected Users

32 users

## Interface

One 10/100/1000Mbps RJ-45 Ethernet port  
2\* USB 1.1/2.0 ports.  
One eSATA connector  
One USB backup button  
One Factory Default Setting Button  
One Power On/Off Switch Button

## Connection speed

10/100/1000 Mbps

## Support Hard Disk Drive

One 3.5" SATA interface HDD up to 750G

## Diagnostic LEDs

Power (Blue)  
LAN (Green, Amber)  
HDD (Amber)  
eSATA(Amber)  
USB I, USB II (Green)  
HDD Full (Red)  
Backup (Amber)

## Dimensions

209x135x72 mm

## Operating Temperature

Operating - 0~40 ; Storing - -10~65

## Power Supply

DC 12V 3A External power adapter

## Certification

FCC, CE, VCCI Class B