

USB Network Shared Storage

# 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.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

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# TABLE OF CONTENTS

<b>OVERVIEW</b>	5
UNPACKING INFORMATION	5
INTRODUCTION TO THE USB NETWORK SHARED STORAGE	6
Key Features	7
Front Panel	8
Power Button	8
Backup Button	8
LEDs Definition	8
Rear Panel	10
Reset Default Button	10
LAN Port	10
Power Adapter Socket	10
<b>INSTALLATION GUIDE</b>	11
HARDWARE INSTALLATION	11
SOFTWARE INSTALLATION	13
Installing the PNMD	13
Installing the EZIP Backup	15
MAKING CONNECTION WITH THE DEVICE	17
Before you start	17
IP Protocol Setup	17
Windows 98/Me:	18
Windows 2000:	20
Windows XP:	22
Connecting the device with PNMD	24
To access to folders in the device	28
<b>MANAGEMENT GUIDE</b>	30
STARTING THE GRAPHIC USER INTERFACE (GUI)	30
USING THE GRAPHIC USER INTERFACE (GUI)	32
Understanding the GUI	32
Management items list	33
STATUS	34
DISK	35
Folder- Folder Configuration	35
To Configure Folder Properties	35
To Add a New Folder	39

To Delete a Folder .....	40
Disk- HD Configuration .....	41
<b>NETWORK</b> .....	42
Host- Host Name Setting .....	42
IP Address- IP address Setting .....	43
To Enable DHCP Client .....	43
To Configure the IP address for the device .....	43
<b>SYSTEM</b> .....	44
Administrator- Superuser Password Setting .....	44
Time- System Time Setting .....	45
User- User Configuration .....	46
To Configure a User.....	46
To Add a New User.....	47
To delete a user.....	48
Group- Group Configuration .....	49
To add a new group .....	49
To delete a group .....	50
To configure a group.....	51
<b>OPTION</b> .....	52
FTP- FTP Configuration.....	52
Security IP- IP Filter Setting .....	53
Security MAC- MAC Filter Setting .....	54
File Download- File Download Configuration .....	55
<b>MAINTENANCE</b> .....	56
Upload/ Download Configuration .....	56
Backup the Device Configuration Status:.....	56
Reload the Device Configuration Status: .....	57
Code Page .....	57
Firmware Upgrade .....	57
Restart the System .....	58
Reset to Factory Default .....	58
Syslog Information .....	58
<b>WEB SERVER</b> .....	59
Web Server.....	59
Administration WEB .....	59
Web Server Configuration .....	60
<b>USB</b> .....	61
Detail .....	61
Disk Setup .....	61
USB Storage information .....	61
To Format Your USB Storage device .....	62
Mount/ Dismount Your USB Storage on Port II to the Device .....	62
Printer Setup.....	63
Procedures to setup the printer.....	63

Clean Printer Job Queue ..... 67

**APPENDIX** ..... 68

TO USE THE BACKUP BUTTON ..... 68

TROUBLE SHOOTING ..... 71

PRODUCT SPECIFICATION ..... 74

# Overview

**Thank you for purchasing the product. Read this chapter to know your USB Network Shared Storage.**

## Unpacking information

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

1. One USB Network Shared Storage.
2. One power adapter
3. One Quick Installation Guide
4. One Utility/ Manual CD

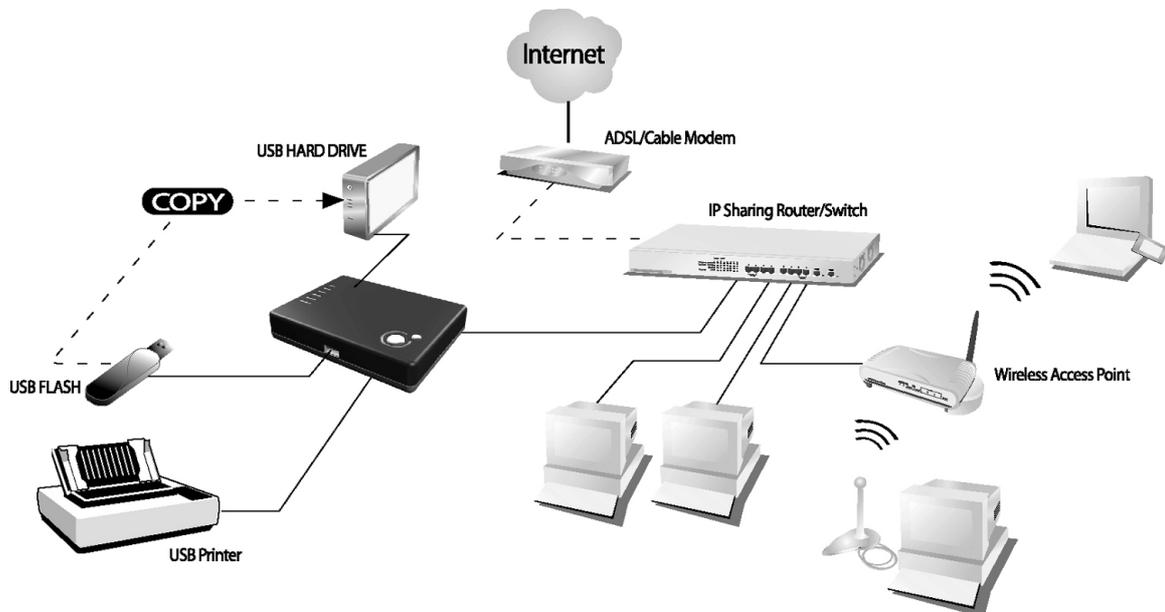
# Introduction to the USB Network Shared Storage

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**Easily back-up your data and share them**, this product shifts any of your USB interface storage devices to a NAS (Network Attached Storage) easily. With connection to an external hard disk, it provides an excellent data storage and sharing solution for your various demands -- small business, SOHO (Small Office or Home Office) or personal requirement

**The USB Network Shared Storage embeds FTP server, Samba Server and HTTP server.** After connecting your USB storage to the device, members in your LAN will be able to upload/download files to/from your USB storage device via "My Neighborhood" or FTP client. You can also construct a WEB site with the HTTP server to share your files. The embedded printer server also brings you terrific convenience on sharing your printer.

**User-friendly and high compatibility**, this product provides 2\* USB ports for connecting your USB storage devices and USB printer. With equipping a copy button, you can also copy the file in one USB storage device to the other conveniently. The device is compatible with Windows95/ 98/ 98SE/ ME/ XP/ 2000/NT4.0. The set-up procedures and operation are simple and user-friendly.



## Key Features

- 
- Supports CIFS/SMB for Microsoft Network to remote users easily retrieve files using "My Neighborhood"
  - Supports USB memory stick (pen drive), USB Hard Disk
  - WEB-based User Interface (UI) for easy configuration
  - Embeds USB printer server
  - Supports one touch copy to copy files from USB port 2 to port 1
  - Supports user name & password for 50 sets.
  - Built-in Samba server
  - Supports access management for 100 folders
  - Embeds FTP server for FTP clients to transfer files conveniently.
  - Supports static IP & DHCP client network environment.
  - Embeds Web server for Web site construction.
  - Compatible with Windows 95 /98 /98SE /ME /XP /2000 /NT4.0/Linux/ MAC OS
  - Supports group access management.
  - Supports code page for multiple-language characters (English, German, French, Italian, Spanish, Portuguese, Russian, Japanese, Traditional Chinese, Simplified Chinese, Korean)
  - Supports Reading/writing for connected USB storage in EXT3, FAT32 file format.
  - Provide three Pre-defined User authority levels, all / power / guest for accessing
  - Support firmware update over the Graphic User Interface (GUI)
  - Auto-detection for newly installed USB Storage
  - Supports eight currently connected Samba users and eight currently connected FTP users.
  - Auto-detection for newly installed USB Storage
  - Complies with FCC, CE, and VCCI Class B certification.
-

## Front Panel



### Power Button

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

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

### Backup Button

Press the **Backup** button to copy files from USB port II to port I.

**Note:** To get instruction about the backup button, please refer to **Appendix** for more information.

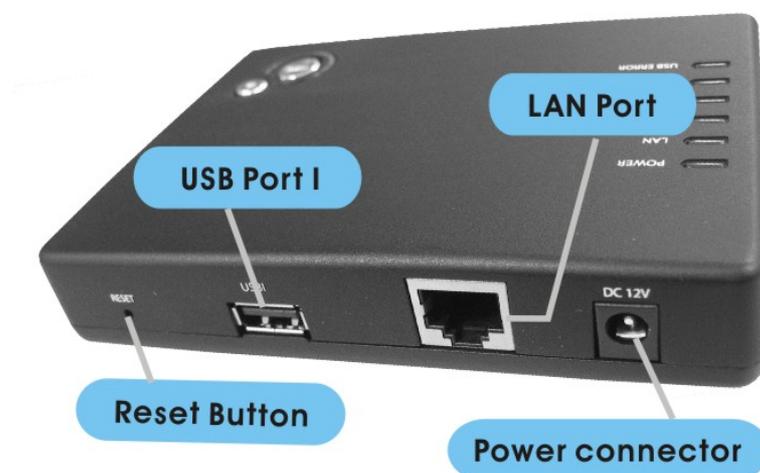
### LEDs Definition

LED	Status	
<b>Power</b>	Steady Green	Power on
	Blinking Green	System rebooting
	Off	Power off
<b>LAN</b>	Green	Valid connection on LAN port
	Blinking Green	Data transmitting on LAN port
	Off	Invalid connection on LAN port

<b>USB I</b>	Green	USB device connected
	Off	No connection
<b>USB II</b>	Green	USB device connected
	Off	No connection
<b>HD Full</b>	Amber	The USB HD that connected to USB port 1 is full.
<b>USB Error</b>	Amber	Invalid copy after press the Backup button. <b>Note:</b> when this LED is lit, please refer to "Syslog Information" for detailed information.
	Off	Invalid connection on LAN port

---

## Rear Panel



### Reset 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 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**".

### Power Adapter Socket

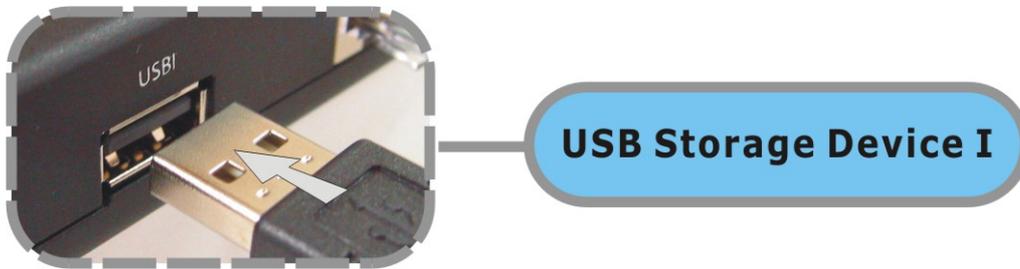
The socket for connecting the included power adapter.

# Installation Guide

## Hardware Installation

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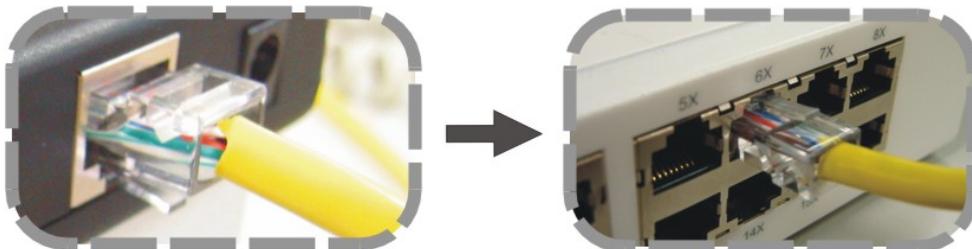
1. Connect the master USB storage device to USB port I



**Note:**

An USB hard drive with larger capacity is recommended for connecting to USB port I, which is regarded as the master storage device for this product. After pressing the Backup button on this product, the master storage device is the destination of the copied files from the USB port II.

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



4. Connect the power adapter with the connector end to the **DC** socket and the plug end to an outlet.



5. Find the USB cable that came with your USB storage or USB printer. Insert the USB Type A end of the cable to the device, the other end to your USB storage or USB Printer.



**Note:** The Type A end of the USB cable is usually the end that connects to your computer.

6. Press the power button to power on.



## Software Installation

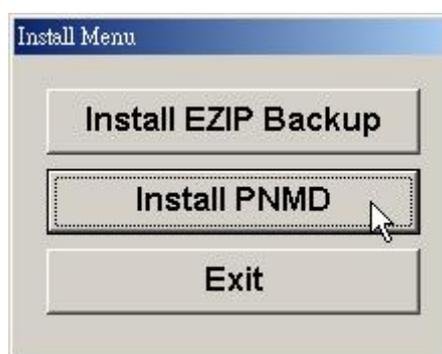
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**Note:** The PNMD and EZIP backup supports Windows 2000/XP only.

### Installing the PNMD

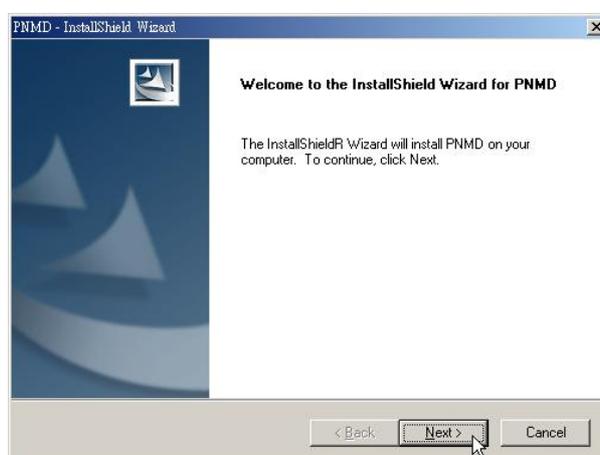
This PNMD program helps users to get accessed to those NAS in your LAN. Please follow the instructions to install the software.

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.

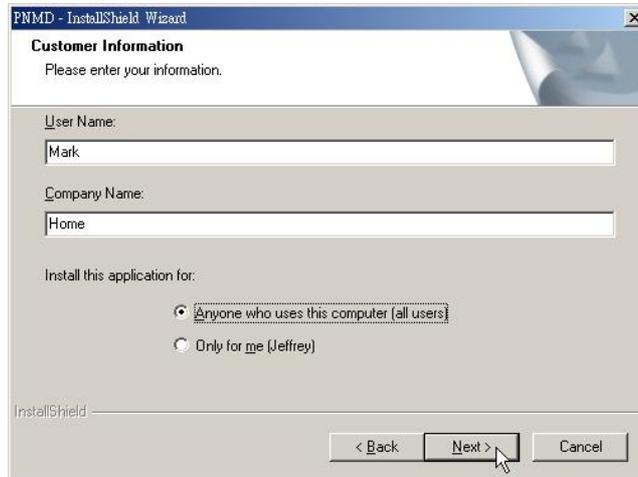


**Note:** If the auto-run program is not activated, please click on **"My Computer"** → **your CD-Rom Drive** then click the **Install Menu** icon to start the main menu.

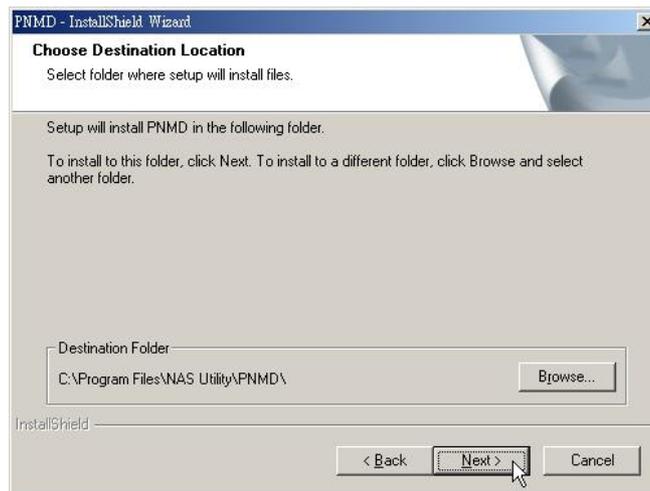
2. Click "Next" on the welcome window.



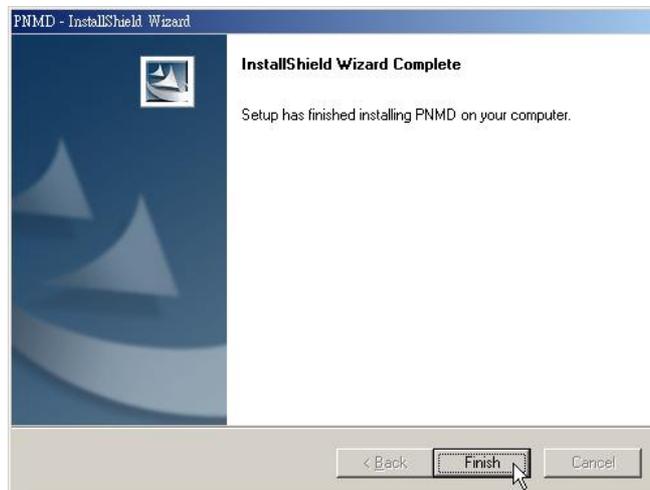
3. Fill your User Name and Company name in their respective blanks.  
Select if you want this software to be used by anyone who uses this computer or yourself only. Click Next to proceed.



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 the hard drive connecting to the product. 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.

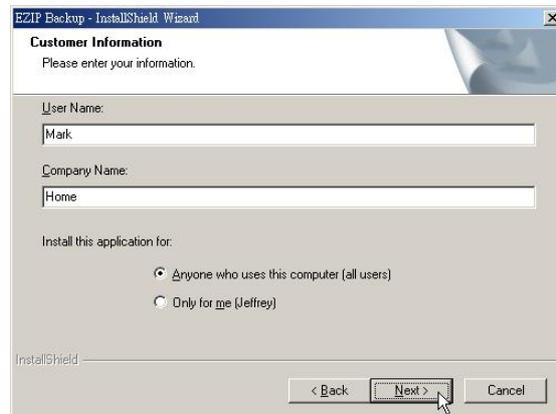


**Note:** If the auto-run program is not activated, please click on **“My Computer”** → **your CD-Rom Drive** then click the **Install Menu** icon to start the main menu.

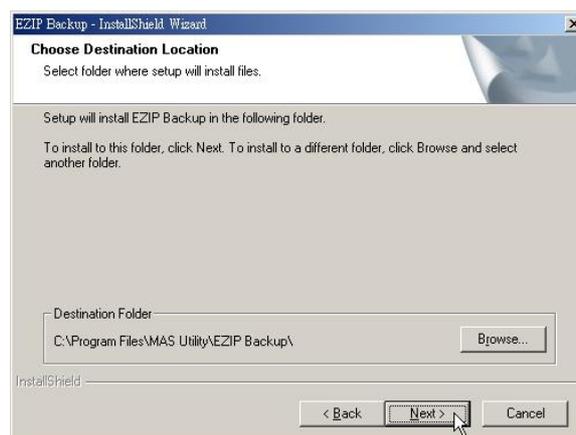
2. Click **“Next”** on the welcome window.



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

---

### Before you start

#### IP Protocol Setup

##### Configuring the network protocols

For users to launch the device easily, we provide a convenient **PNMD**, which detects this device automatically in your LAN.

To function the **PNMD** correctly, please make sure that your PC **DOES NOT** obtain IP address automatically or the **PNMD** will not be able to initialize the setup procedure according to your network settings.

**Note:** If you have accessed the device and enabled the DHCP function for the device. You are allowed to use the **PNMD** without specifying static IP address for your computer.

The following chapter indicates how to configure an IP address for your PC. Users that have got a specified IP, please skip this chapter to “**Connecting the device with PNMD**” to proceed.

##### How to configure the TCP/IP network protocol of your PC

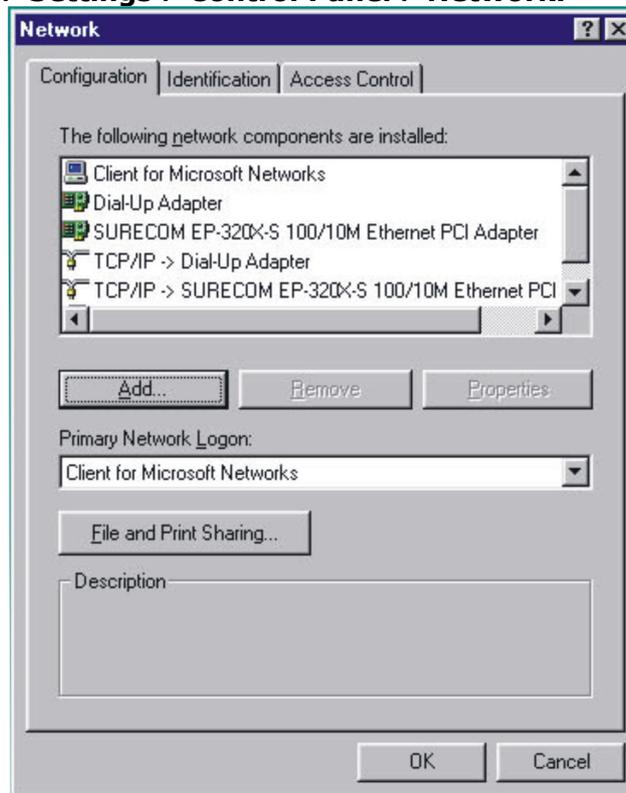
Before the following IP protocol settings, you have to get an IP address in advance. If you don't have any IP address or you are not going to access the device via our **PNMD**, please choose an IP between **192.168.1.2~255** as your IP address. Please **DO NOT** choose 192.168.1.1 for the IP address (192.168.1.1) has been set as the default IP for this device.

##### **Note:**

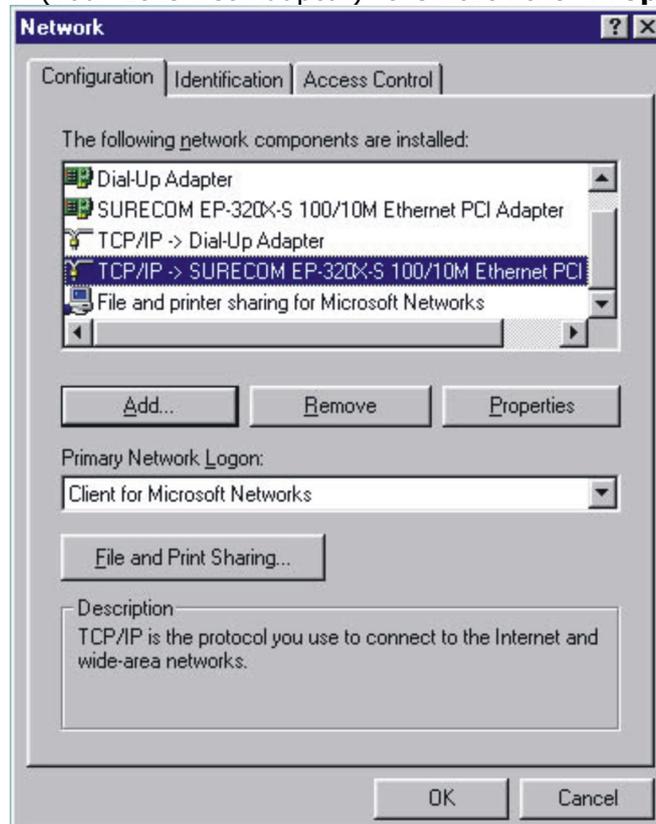
1. The default network setting of the device:  
**IP address:** 192.168.1.1  
**Subnet Mask:** 255.255.255.0  
**DHCP Client:** Disabled
2. In the following TCP/IP configuration guide, the IP address “192.168.1.2 ” is assumed to be your IP address.

**How to configure the TCP/IP network protocol**  
**Windows 98/Me:**

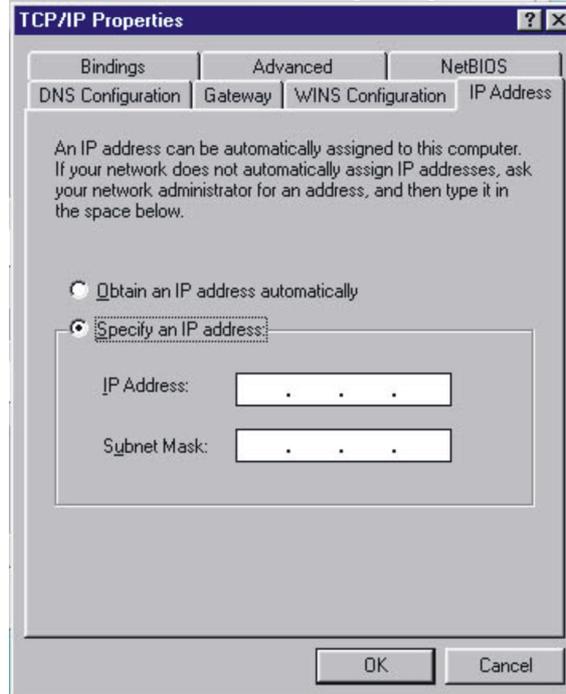
1. Click on **Start** → **Settings** → **Control Panel** → **Network**.



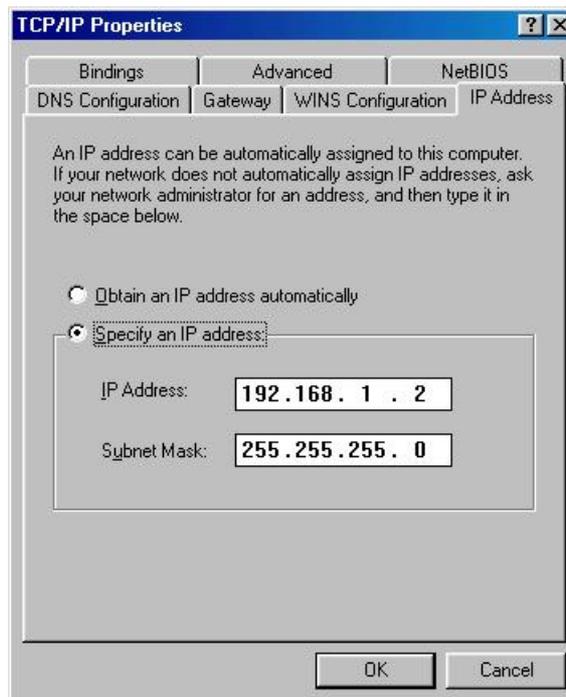
2. Click "TCP/IP → (Your Ethernet Adaptor)" then click the "**Properties**" button.



3. Click the "IP Address" tab and click on "Specify an IP Address".



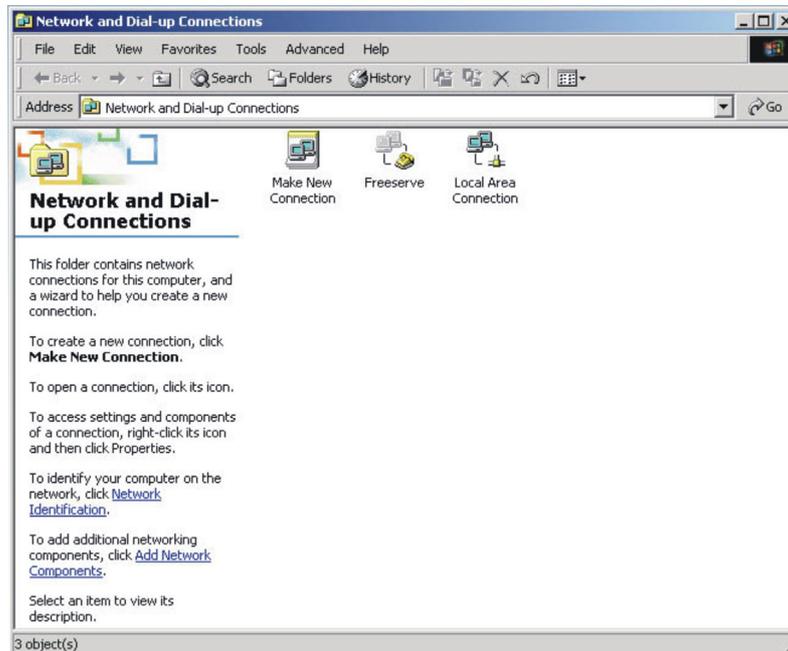
4. Fill in the IP address. State the subnet mask to be 255.255.255.0.



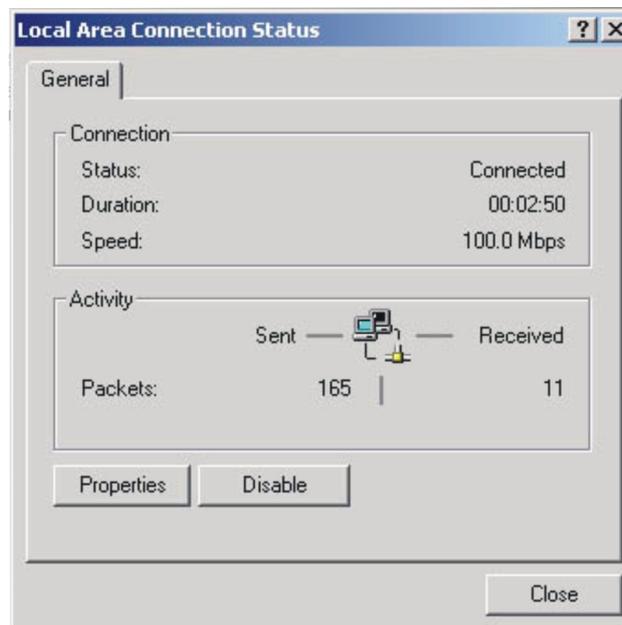
5. Click OK and OK. Now, the system may ask for your Windows disc, follow the steps then restart your computer.

## **How to configure the TCP/IP network protocol** **Windows 2000:**

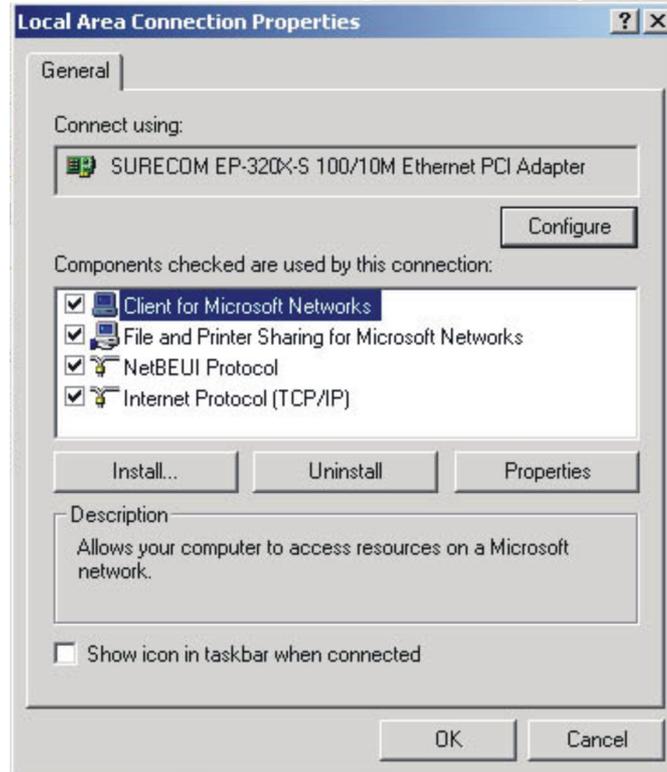
1. Click on **Start**→ **Settings**→ **Network and dial-up connections**.



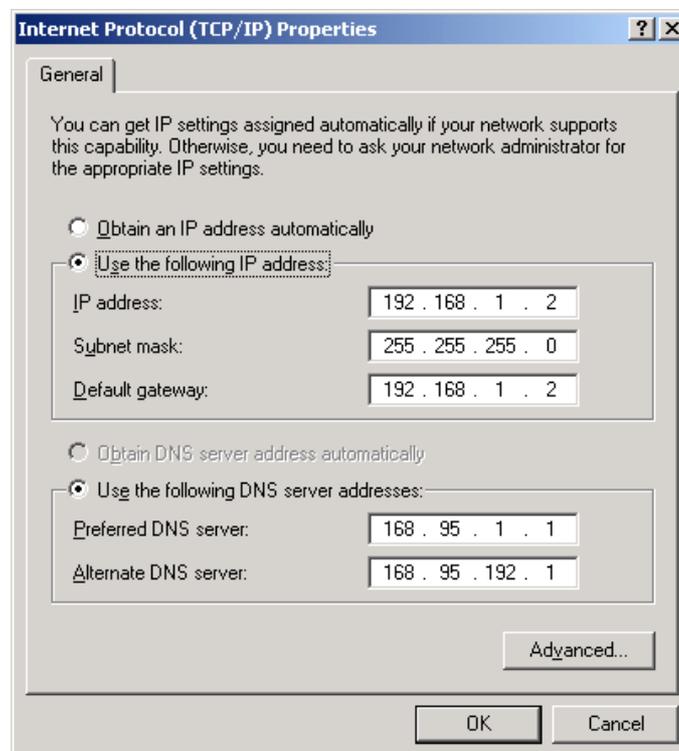
2. Choose **Local Area Connection** and click **Properties**.



3. Click on **Internet protocol (TCP/IP)** then click **Properties**.



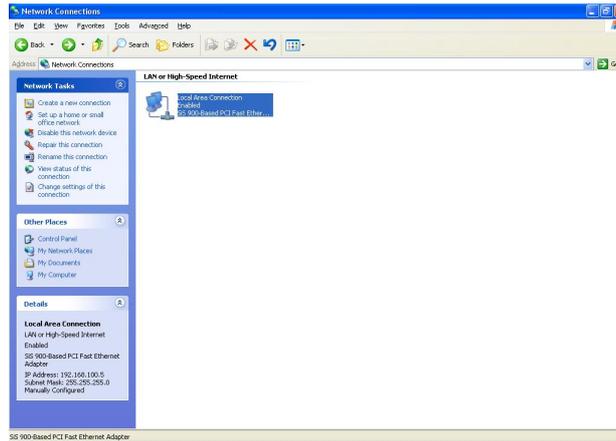
4. Select **“Use the following IP address”**.  
State the subnet mask to be 255.255.255.0.  
Click OK and OK then restart your computer.



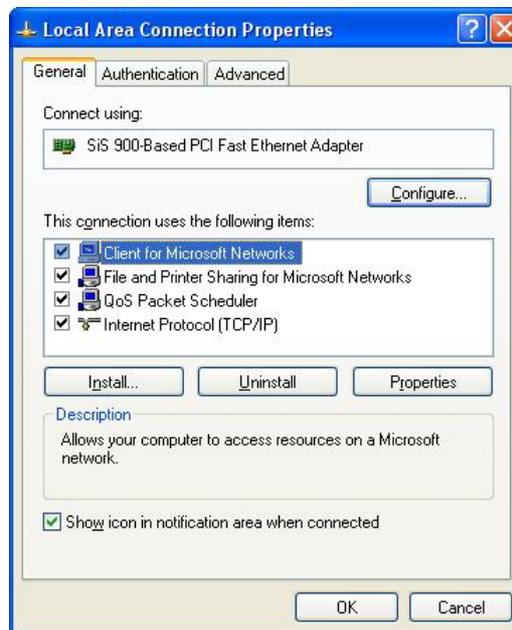
## How to configure the TCP/IP network protocol

### Windows XP:

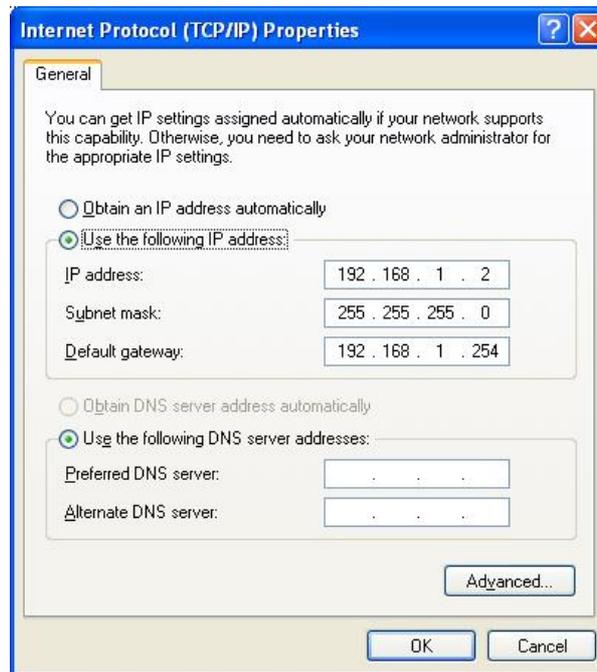
1. If you are in Classic Start menu view, click **Start→Settings→Control Panel→Network Connections**.  
If you are in Start menu view, click **Start→Control Panel→Network Connections**.
2. Double click "Local Area Connection"



3. Choose **Internet Protocol (TCP/IP)**, click **Properties** and select 'Use the following IP Address'.



4. Fill in the IP Address. The subnet mask is entered automatically on Windows XP. Click OK.

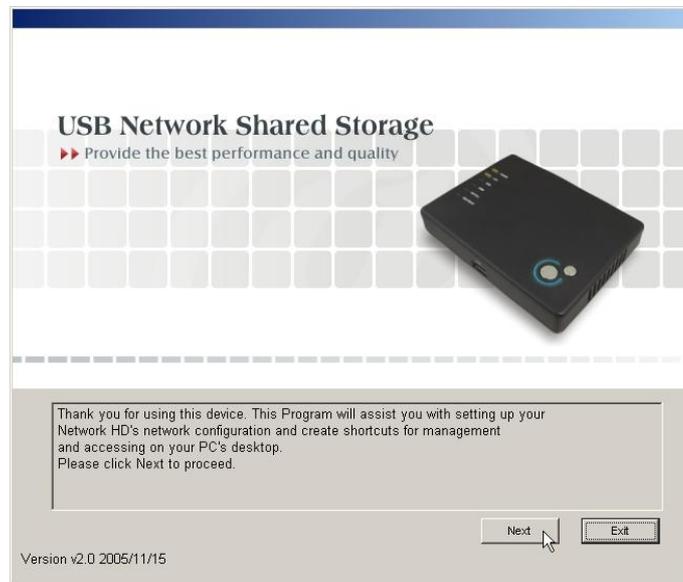


The IP setting of your PC is completed now. Please refer to the following guide to proceed.

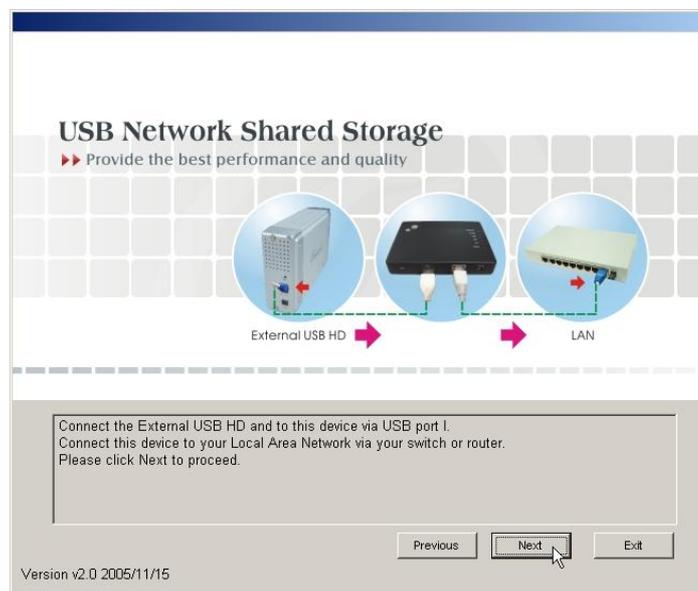
## Connecting the device with PNMD

1. Double click the  shortcut on your desktop. The PNMD begins scanning this device in your LAN. The welcome window pops up. Please click "**Next**" to proceed.

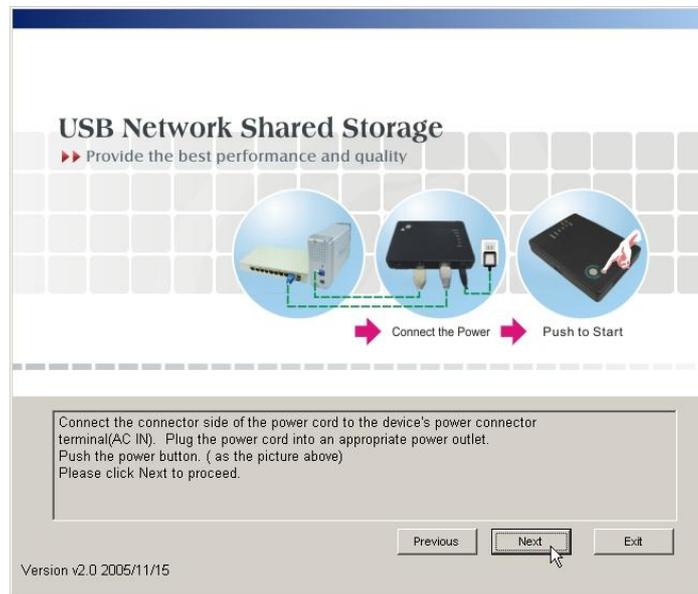
**Note:** This window pops up only when there is no device detected. It guides users to attach cables for the device. If the PNMD detects this product successfully, the window is not going to appear. Please skip to step 4 to continue.



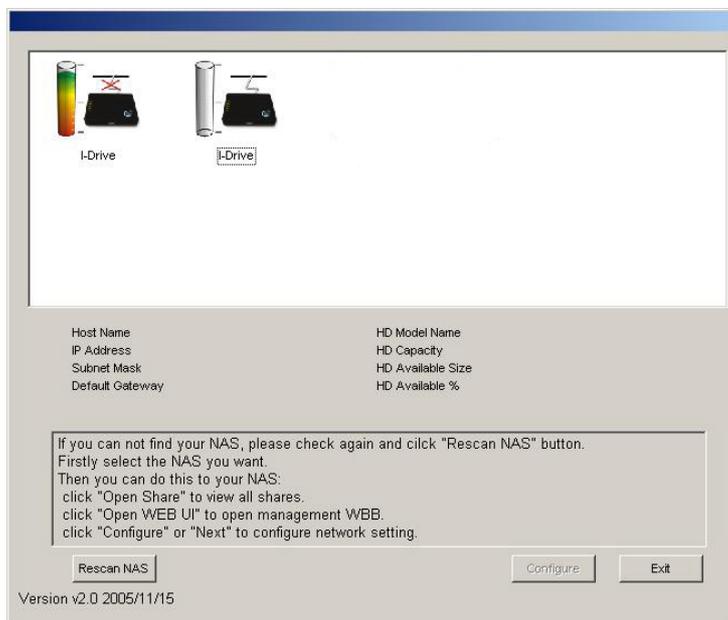
2. Connect the USB Port I to your USB hard drive and the LAN port to your switch or IP sharing router respectively.



3. Connect the power adapter and press the power button to power on the device. Click **"Next"**. The **PNMD** scans the device again.

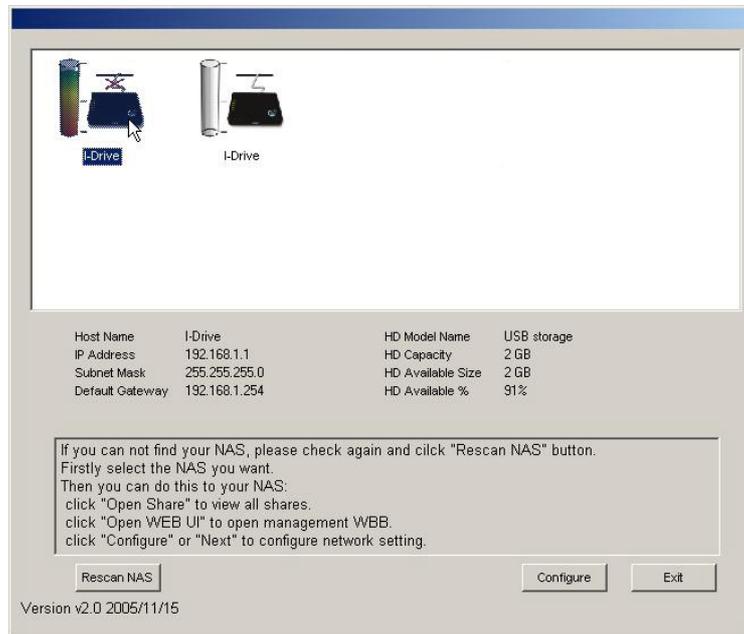


4. After scanning, the menu shows the device in your LAN. You may click the **Rescan NAS** button to search for NAS in your LAN again.



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

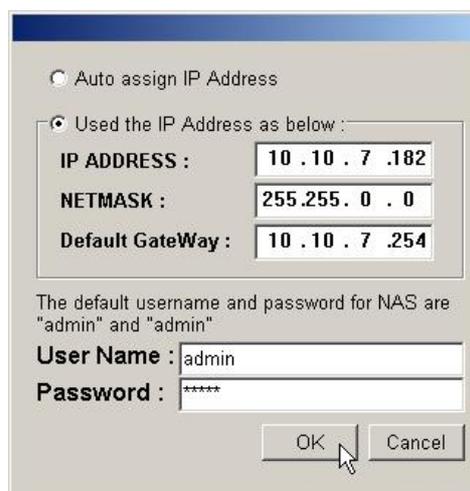
**Note:** The HD capacity indicates the available space of the USB hard drive on USB Port I.



6. 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 manually 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- Superuser Password Setting"**

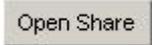


7. After successful IP address setting, the **PNMD** rescans this device in your LAN automatically.
8. Select your NAS. You may:
  - Click the **Open Share** button to access to folders of the USB hard drive that connects to the device.
  - Click the **Open WEB UI** button. Fill in the username and password 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 this device and click the  button.

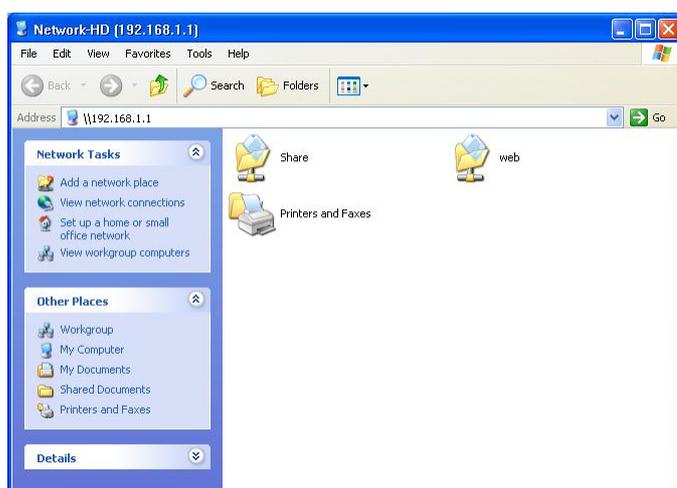
The device provides three default accounts for users. The account names are also their default password respectively.

**All:** The account is allowed to read/write all the folders in the device as default.

**Power & Guest:** The account is allowed to read all folders in the device.

### Note:

1. 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** "
2. To add or configure a account, please see " **To Configure a User** "
3. 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.



### Tip:

You can also access to folders with a web browser. The following procedures use assumptions below:

The device's IP address: 192.168.1.1  
Your computer's network setting: IP address: 192.168.1.2  
Subnet mask: 255.255.255.0  
Default Gateway: 192.168.1.2

1. Open a web browser.
2. Fill 2 backslashes and the device's IP address in the address bar and press <enter>



**Note:** You should have your computer and the device configured in a LAN. For information about configuring the network settings, see **"Assign a Static IP address for your computer."**

# Management Guide

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

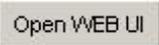
## Starting the Graphic User Interface (GUI)

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.



Enter Network Password

Please type your user name and password.

Site: 192.168.1.1

Realm: Network HardDisk

User Name: admin

Password: \*\*\*\*\*

Save this password in your password list

OK Cancel

4. Click OK. The GUI Opens.

**Note:**

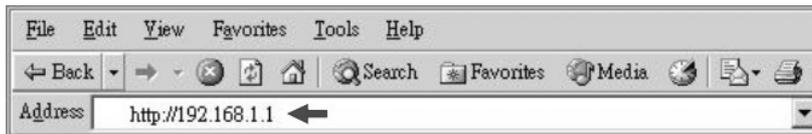
1. The default user name and password is admin/ admin. To change the username/ password, please refer to “**Administrator- Superuser Password Setting.**”
2. Both the User Name and Password are case sensitive and alphanumeric.

**Tip:**

You can also start the GUI with a web browser. The following procedures use assumptions below:

The device's IP address: 192.168.1.1  
Your computer's network setting: IP address: 192.168.1.2  
Subnet mask: 255.255.255.0  
Default Gateway: 192.168.1.2

1. Open a web browser.
2. Enter the device's IP address in the address bar and press <enter>



**Note:** You should have your computer and the device configured in a LAN. For information about configuring the network settings, see **"Assign a Static IP address for your computer."**

3. When the "Enter Network Password" windows pops up, enter a user name and password.
4. Click OK. The GUI opens.

# 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.

The screenshot displays the 'Network Shared Storage [NH240]' interface. On the left, a vertical menu lists configuration categories: Status, Disk, Network, System, Option, Maintenance, Web Server, and USB. The 'Status' category is selected. The main area, titled 'Status Information', contains a table with the following data:

Status	
Host Name	I-Drive
IP Address	10.10.7.182 (Static IP)
HD used(%)	9.45 % ( 2G )
Up-Time	37 minute
Version	v1.00(11-15-2005)
Samba Users	0
FTP Users	0
UPNP & Printer Loaded	No

## 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 chapters.

Category	Sub-category	Information
<b>Status</b>	Status	Shows the status information of this device including Host name, IP address, HD used percentage(USB port I), system up-time, firmware version, current Samba users and FTP users.
<b>Disk</b>	Folder	To add a new folder, delete a folder, change folder-access authentication and set up folder properties. <b>(Note:</b> Those new folders will be added to the device on port I)
	Disk	To format the USB storage device (Port 1) 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, Sub network Mask, Gateway, DNS server, and DHCP enable/ disable.
<b>System</b>	Administrator	To change the Superuser 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.
<b>Option</b>	Group	To make users in groups. Add users to groups or remove users from groups.
	FTP	Change FTP properties including Port number, timeout setting and enable/disable anonymous access.
	Security IP	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.
<b>Maintenance</b>	File Download	To add or delete download tasks.
	Maintenance	Provides device maintenance including backup the status of your configuration on the device, selecting code page, firmware upgrade, system restart, and reset factory default. Show system log information, select default copy button folder and enactive the UPNP and USB printer function for the device.
<b>Web Server</b>	Web Server	To change the Web server prosperities.
<b>USB</b>	Detail	Shows the USB device information that currently connects to the device.
	Disk Setup	To setup the properties of the connected USB device. While USB port II is connected with an USB storage device, you can also mount the USB storage device on the product and format the connected USB storage in EXT3 file format.
	Printer Setup	To enable/ disable the printer server functionality.
	Clean Printer	To remove all printer jobs that waiting for printing.
	Job Queue	

## 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>UPNP &amp; Printer Loaded</b>	Check if the UPNP and Printer functions are applied.

### Status Information

Status	
Host Name	I-Drive
IP Address	10.10.7.182 (Static IP)
HD used(%)	0.22 % ( 20G )
Up-Time	5 minute
Version	v1.00(07-27-2005)
Samba Users	0
FTP Users	0
UPNP & Printer Loaded	Yes

# Disk

---

The Disk page allows users to:

1. Change the properties of folders.
2. Format the hard disk that 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.

**Note:** Only the folders in USB I Port will be listed automatically. To share and configure the folders in USB Port II, you have to mount it first. Please refer to **“Mount/ Dismount Your USB Storage on Port II to the Device”** for instruction.

### Folder Configuration

**Folder**  **Disk**

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

**Note:** Disk function tab only activates when USB disk is present.  
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 Setting & Authority Setting		
	<b>Folder Name</b>	Video <span>Change Folder Name</span>
	<b>Folder Description</b>	Video <span>Change Description</span>
<span>Save</span>		
Please set user's limit for this folder!		
<input type="radio"/> Authentication Free Access <input type="radio"/> No access for all users <input type="radio"/> Only Read access for all users <input type="radio"/> ReadWrite access for all users <input checked="" type="radio"/> Current Access Permission for all users		
Group - Authority Setting		
 Sales	<input checked="" type="checkbox"/> Group Applied	<input type="radio"/> Non-access <input checked="" type="radio"/> Read-only <input type="radio"/> Read & write
 Marketing	<input checked="" type="checkbox"/> Group Applied	<input type="radio"/> Non-access <input type="radio"/> Read-only <input checked="" type="radio"/> Read & write
User - Authority Setting		
 Mike		<input type="radio"/> Non-access <input type="radio"/> Read-only <input checked="" type="radio"/> Read & write
 Eric		<input type="radio"/> Non-access <input checked="" type="radio"/> Read-only <input type="radio"/> Read & 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.

New_Video	Change Folder Name
Video	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	
Old Folder Name	Video
New Folder Name	<input type="text" value="New_Video"/>
Folder Description	Video
Note	Folder Name is limited to 15 characters. Discription is limited to 48 characters.
<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	
Folder Name	New_Video
Description	Video
<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.

Group - Authority Setting

 Sales	<input checked="" type="checkbox"/> Group Applied	<input type="radio"/> Non-access <input checked="" type="radio"/> Read-only <input type="radio"/> Read & write
 Marketing	<input checked="" type="checkbox"/> Group Applied	<input type="radio"/> Non-access <input type="radio"/> Read-only <input checked="" type="radio"/> Read & write

User - Authority Setting

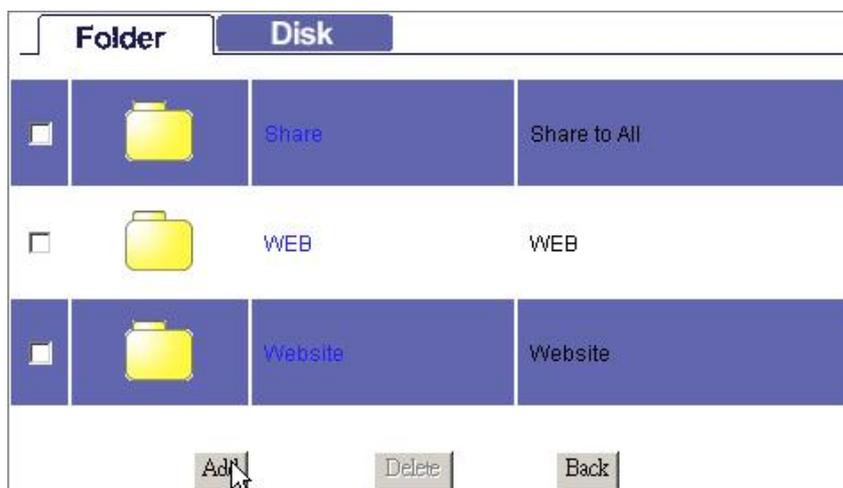
 Mike	<input type="radio"/> Non-access <input type="radio"/> Read-only <input checked="" type="radio"/> Read & write
 Eric	<input type="radio"/> Non-access <input checked="" type="radio"/> Read-only <input type="radio"/> Read & write

**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. (Ex, Click "**Read & Write**" for "**Mike**" and Click "**Read-Only**" for "**Eric**").
- Step4. Click Save to apply. (Ex, Click "Save" to allow "**Mike**" to Read/Write this folder and "**Eric**" to read this folder. Other users are not allowed to access this folder.)

### To Add a New Folder

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



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.
- 



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

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

Folder Setting & Authority Setting			
	<b>Folder Name</b>	Video	<input type="button" value="Change Folder Name"/>
	<b>Folder Description</b>	Video Files	<input type="button" value="Change Description"/>
	<input type="button" value="Save"/>		
Please set user's limit for this folder!			
<input type="radio"/> Authentication Free Access			
<input type="radio"/> No access for all users			
<input type="radio"/> Only Read access for all users			
<input type="radio"/> Read/Write access for all users			
<input checked="" type="radio"/> Current Access Permission for all users			
Group - Authority Setting			
There is no group			
User - Authority Setting			
 all	<input type="radio"/> Non-access		
	<input checked="" type="radio"/> Read-only		
	<input type="radio"/> Read & write		
 power	<input type="radio"/> Non-access		
	<input checked="" type="radio"/> Read-only		
	<input type="radio"/> Read & write		
 guest	<input type="radio"/> Non-access		
	<input checked="" type="radio"/> Read-only		
	<input type="radio"/> Read & write		

### 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"/>		Video	Video
<input type="checkbox"/>		Website	Website
<input type="button" value="Add"/> <input type="button" value="Delete"/> <input type="button" value="Back"/>			

## Disk- HD Configuration

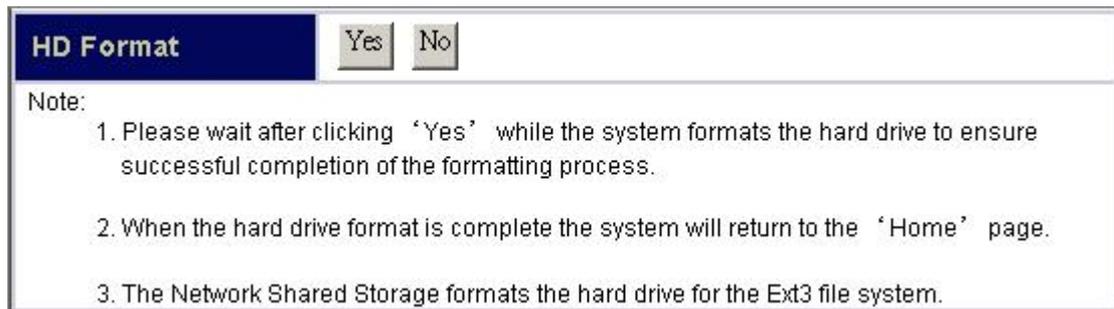
1. To format your USB hard disk in EXT3 format, click "**Yes**" to execute HD Format.

### Caution:

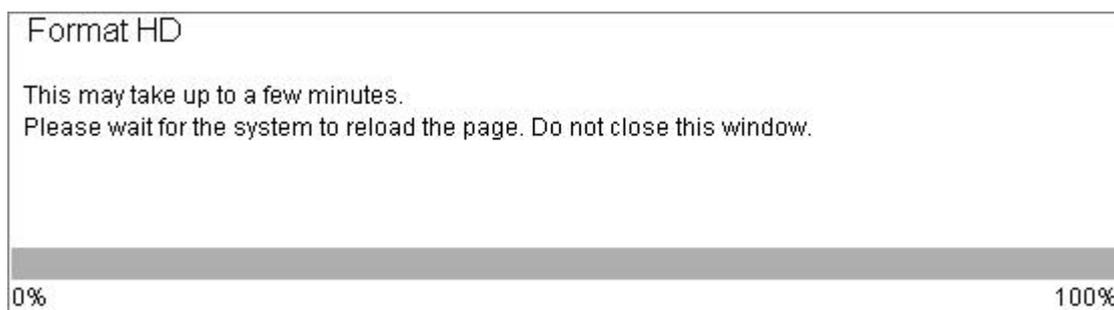
All files within the hard disk will be erased while HD Format is executed.

### Note:

1. The HD Format function formats the USB disk on USB Port I only. To format the USB storage device on Port II, please see "**To Format Your USB Storage device**"
2. The Hard Disk will be formatted as EXT3 format. Please note that Windows cannot recognize EXT3. If the USB hard drive is likely to connect to your Windows operation system, please format this USB Hard drive on your Windows before connecting to this product.



2. 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

---

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

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

### Host Name Setting

**Host** **IP Address**

Host Name Setting	
<b>Host Name</b>	<input type="text" value="I-Drive"/>
<b>Work Group</b>	<input type="text" value="WorkGroup"/>
<b>Description</b>	<input type="text"/>
<b>Note</b>	<ol style="list-style-type: none"><li>1. Host Name - a unique textual name give to a computer or network appliance to identify the computer/appliance on a network.</li><li>2. Work Group - a textual name given to a group of computers or network appliances that are able to communicate and share information/fileswith one another.</li><li>3. Description - textual field that can be used to provide a meaningful description for the computer or network appliance beyond the Host Name and Work Group name.</li><li>4. Host Name and Work Group are limited to 15 characters.</li><li>5. Description is limited to 48 characters.</li><li>6. Characters allowed: a~z A~Z 0~9 ! \$ ^ ( ) - { } . ~</li></ol>

**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.

**Note:** To get more information for enabling the DHCP server or not, please see "**IP Protocol Setup**".

DHCP Client	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
-------------	--	------------------------------

### To Configure the IP address 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.

---

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

---

IP Address Setting		
<b>Host</b>   <b>IP Address</b>		
<b>IP Address Setting</b>		
DHCP Client		<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Manual Setting	IP Address	<input type="text" value="10.10.7.182"/>
	Subnetwork Mask	<input type="text" value="255.255.255.0"/>
	Gateway	<input type="text" value="10.10.7.254"/>
	DNS Server	<input type="text" value="168.95.1.1"/>
		<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>

# System

---

The System page allows users to:

1. Configuring Superuser 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- Superuser Password Setting

This page provides Superuser ID and password configuration which are used for getting access to the Graphic User Interface.

To modify the Superuser ID and password:

1. Define a Superuser Name(4~16 characters) in the **Superuser ID** box
2. Fill in the original Superuser 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 the new Superuser name and password.

### Note:

1. The default Superuser ID and password are **admin/ admin**.
2. The Superuser ID and password are both case-sensitive and alphanumeric.
3. To enforce the security, it is recommended to change the Superuser ID and password periodically.

Superuser Password Setting	
Administrator	Time User Group
<b>Superuser Setting</b>	Apply Cancel Back
Superuser ID	admin
Old Password	*****
New Password	*****
Confirm Password	*****
<b>Note</b>	<p>1.Please provide a superuser name and password (4-16 characters).</p> <p>2.The superuser is the user that has administration capabilities to access, configure and change all parameters of the Network Shared Storage system.</p> <p>3.Periodically change the superuser name and password to ensure security integrity.</p>

## 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. To apply the time on your computer to the device, select "**Local Time**" and click "**Time Sync**" button
3. 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.
4. 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
<b>System Time Setting</b>	Save Back
Time Zone	Taiwan
<input checked="" type="radio"/> Local Time	Sun Jul 24 08:46:43 xxx 2005 Time Sync
<input type="radio"/> Time Server	nntp.fau.de
<b>Note</b>	<p>1. Clicking "Sync from PC" button manually immediately makes the local time of your Network Shared Storage to be in sync with the PC which is currently browsing this web.</p> <p>2. A Time Server is a local network or Internet service that reads the time from a reference clock and distributes to computers or network appliances over a local network or the Internet.</p>

## User- User Configuration

The User page allows users to:

- **Add users**
- **Delete users**
- **Modify user properties**

### User Configuration

Administrator | Time | **User** | Group

<input type="checkbox"/>		all
<input type="checkbox"/>		power
<input type="checkbox"/>		guest

**Note:** Click "Add" to add a new user who is allowed to access the Network HD.  
Click "Delete" to remove the user you select from the list.  
Click 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.



<input type="checkbox"/>		Joe
--------------------------	---	-----

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

**User Name**(4~16 characters):

**New Password**(4~16 characters):

**Confirm Password**(4~16 characters)

**User Description**( 0~47 characters)

**FTP Access**

Specify a name for the newly added user.

Enter a username for the new user

Enter the new password again to confirm the password

Fill in a description as a note for the user  
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-"Joe" Setting		
	User Name	Joe <input type="button" value="Change Name"/>
	New Password	*****
	Confirm Password	*****
	User Description	Joe
	FTP Access	<input checked="" type="radio"/> Yes <input type="radio"/> No
	Note	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-Joe Name Setting		
	Old User Name	Joe
	New User Name	Joe_Anderson
	Note	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

	Fion
<input type="button" value="Add"/> <input type="button" value="Delete"/> <input type="button" value="Back"/>	
<b>Note:</b> Click "Add" to add a new user who is allowed to access the Network HD. Click "Delete" to remove the user you select from the list. Click the user icon to change the user name, password and description.	

- Define the user properties.

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

Add User Setting		
	User Name	<input type="text" value="Mark"/>
	New Password	<input type="password" value="****"/>
	Confirm Password	<input type="password" value="****"/>
	User Description	<input type="text" value="Mark"/>
	FTP Access	<input checked="" type="radio"/> Yes <input type="radio"/> No
	Note	Notes: If the user can use FTP at the same time, don't use username as your password.
		<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"/>		Joe
<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

**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.

<input type="checkbox"/>		Marketing	Marketing_Department
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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="Sales"/></td> </tr> <tr> <td><b>Group Description</b></td> <td><input type="text" value="Sales department"/></td> </tr> <tr> <td><b>Note</b></td> <td>Group Name is limited to 15 characters. Discription is limited to 48 characters.</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="Sales"/>	<b>Group Description</b>	<input type="text" value="Sales department"/>	<b>Note</b>	Group Name is limited to 15 characters. Discription is limited to 48 characters.	<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>	
<b>Group Name</b>	<input type="text" value="Sales"/>								
<b>Group Description</b>	<input type="text" value="Sales department"/>								
<b>Note</b>	Group Name is limited to 15 characters. Discription is limited to 48 characters.								
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>									
Authorized Users									
<input type="checkbox"/>	 all all account								
<input type="checkbox"/>	 power power account								
<input type="checkbox"/>	 guest guest account								
<input checked="" type="checkbox"/>	 Mark Mark								

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

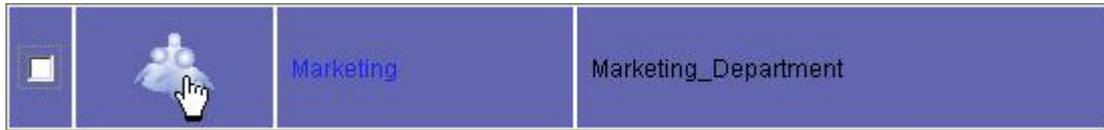
### To delete a group

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"/>		Marketing	Marketing_Department
<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.



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**".

Add New Group									
	<table><tr><td>Group Name</td><td><input type="text" value="Sales"/></td></tr><tr><td>Group Description</td><td><input type="text" value="Sales department"/></td></tr><tr><td>Note</td><td>Group Name is limited to 15 characters. Discription is limited to 48 characters.</td></tr><tr><td colspan="2"><input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/></td></tr></table>	Group Name	<input type="text" value="Sales"/>	Group Description	<input type="text" value="Sales department"/>	Note	Group Name is limited to 15 characters. Discription is limited to 48 characters.	<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>	
Group Name	<input type="text" value="Sales"/>								
Group Description	<input type="text" value="Sales department"/>								
Note	Group Name is limited to 15 characters. Discription is limited to 48 characters.								
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="Back"/>									
Authorized Users									
<input type="checkbox"/>	<table><tr><td></td><td>all account</td></tr><tr><td>all</td><td></td></tr></table>		all account	all					
	all account								
all									
<input type="checkbox"/>	<table><tr><td></td><td>power account</td></tr><tr><td>power</td><td></td></tr></table>		power account	power					
	power account								
power									
<input type="checkbox"/>	<table><tr><td></td><td>guest account</td></tr><tr><td>guest</td><td></td></tr></table>		guest account	guest					
	guest account								
guest									
<input checked="" type="checkbox"/>	<table><tr><td></td><td>Mark</td></tr><tr><td>Mark</td><td></td></tr></table>		Mark	Mark					
	Mark								
Mark									

# 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>Maximum Unit Number:</b>	The maximum allowed users that connect with the device simultaneously. Please fill in a number form 1 to 8.
<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 Configuration	
FTP	
<b>FTP Setting</b>	
Maximum Unit Number	8
Port Number	21
Timeout	15 Minutes
Allow Anonymous	<input type="radio"/> Yes <input checked="" type="radio"/> No
FTP Enable	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Note	1. The maximum number of unit is up to 8. 2. The port number is between 1 and 65535.  Allows remote access over a local network or the Internet to files on the Network Shared Storage system. Also large FTP downloads can be performed by the Network Shared Storage and allow your laptop, PC, or MAC to continue to be used for other applications.
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 listed IP addresses will not be able 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 <input type="button" value="v"/>
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	
<input type="button" value="Apply"/> <input type="button" value="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 listed MAC addresses will not be able to access the device.

### Tip:

For example, to prevent the MAC address "D0:E0:7D:CD:C5:5E" from connecting with 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\_leo.tgz" first.

To get information for installing the "ntx\_leo.tgz" file, please see "UP&P & Printer"

**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. The download status page displays to show the information of the download task.
6. You may also click the "Status" button to check the download information.

Address	Account	Password	Save Path	Del
<input type="text" value="http://www.example.com/downloads/sample_file"/>	<input type="text" value="peter"/>	<input type="text" value="12345"/>	<input type="button" value="Share"/> ▾	<input type="button" value="Del"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Share"/> ▾	<input type="button" value="Del"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Share"/> ▾	<input type="button" value="Del"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Share"/> ▾	<input type="button" value="Del"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Share"/> ▾	<input type="button" value="Del"/>
<b>Notice</b>	The download setting for the software that restrict input with maximum values are ten from network.			
<input type="button" value="Apply"/> <input type="button" value="Status"/> <input type="button" value="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 UP&P and Printer server function to the device.

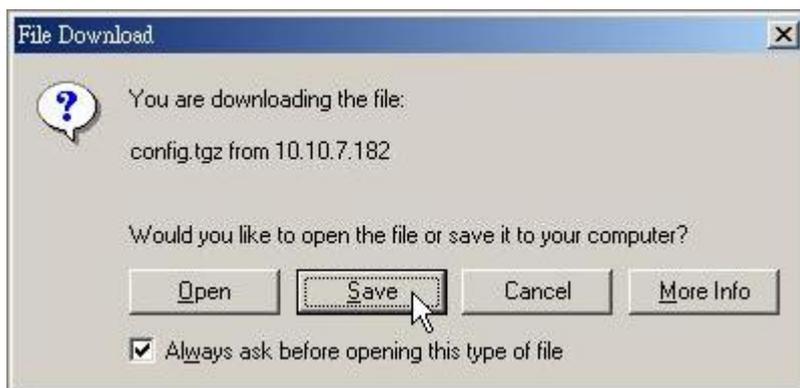
To open the Maintenance page, click the **Maintenance** on the configuration categories list.

## Upload/ Download 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**".



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

For USB storage devices that formatted as FAT16 or FAT32, you must ensure the code page is corresponding to the language of the file name (or folder name) in your USB storage. It assures the file name and the folder name in your USB storage device to be recognized properly.

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 “**Start Restarting**” button.



## Reset to Factory Default

To restore the factory default configuration for the device, click the “**Start Resetting**” 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**”



## Syslog Information

Click “**Info**” to get system log, which records operations on the USB port.



## Select Backup Button Default Folder

Select a folder from the drop list and click "**Apply**" to activate. The files on USB Port II will be copied to this folder on USB Port I after pressing the Backup button.



## UPNP & Printer

To enable the UPNP and printer server function for the device, you have to install the "**ntx\_leo.tgz**" file to the device before any configuration.

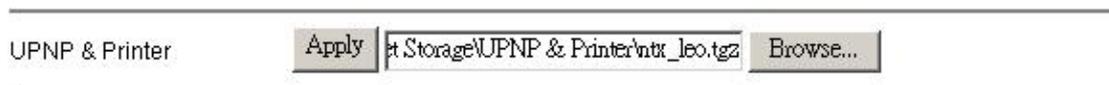
To install the file,

1. Insert the included CD and click the "**Browse**" button.

**Note:** The installation window may auto-run. Click "**EXIT**" to close it.

2. Select your CD-Rom drive. Double click on the "**UPNP & Printer**" folder. Select the "**ntx\_leo.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.

**Note:** This file is going to be installed on the USB hard drive on USB port I. Please note that you will have to install it again after you replacing the USB hard drive on USB port I.



## Web Server

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### 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 is not allowed to 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	<input type="text" value="80"/>
<b>WEB Server</b>	
Enable WEB Server	<input type="radio"/> Yes <input checked="" type="radio"/> No
WEB Server Port	<input type="text" value="8080"/>
WEB Folder	<input type="text" value="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.
<input type="button" value="Apply"/> <input type="button" value="Undo"/> <input type="button" value="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.

---

### 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

## Disk Setup

The Disk Setup page allows users to:

1. Get information about the connected USB storage.
2. Format the connected USB storage device.
3. Mount the USB storage to the 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 after mounting the USB storage to the device. For more information to mount the device, please see " <b>Mount/ Dismount Your USB Storage to the Device</b> "
<b>Description:</b>	The partition order of the USB storage device. <b>Note:</b> <ol style="list-style-type: none"><li>1. The device recognizes the first four partitions of your USB storage only. We recommend users not to format the USB storage for more than 4 partitions.</li><li>2. The device support one connected USB storage</li></ol>

---

	device. Only one USB storage device can be recognized while there are two USB storage device connected simultaneously.
<b>File Type:</b>	The format of the file type of the connected USB storage device.
<b>Size:</b>	The space of the connected USB storage device.

<b>Detail</b>				<b>Disk Setup</b>				<b>Printer Setup</b>				<b>Clean Printer Job Queue</b>							
<b>USB Device1</b>																			
				<b>Name</b>				<b>Description</b>				<b>File Type</b>				<b>Size</b>			
				<input type="text"/>				Partition 1				FAT16				500MB			
				<input type="button" value="Apply"/>				<input type="button" value="Advanced"/>				<input type="button" value="Back"/>							
<b>Note</b>		1. Mounting USB Drive - To mount a USB drive provide a mount name for each partition / file type. 2. Characters allowed: a~z A~Z 0~9 ! # \$ % & ( ) - { } , ~ 3. Un mount USB Drive: To unmount a USB drive clear the mount name (blank or spaces) and click Apply button. 4. Advanced Tab: The Advanced Tab provides additional capabilities such as formatting the USB drive.																	

### To Format Your USB Storage device

1. Click the "**Advanced**" button.
2. Select the device that you are going to format from the drop list.
3. Click "**Yes**" to perform formatting.
4. The system starts formatting. It may take several minutes according to the size of your USB storage device. Please wait and **DO NOT** execute other configuration for this device while formatting.

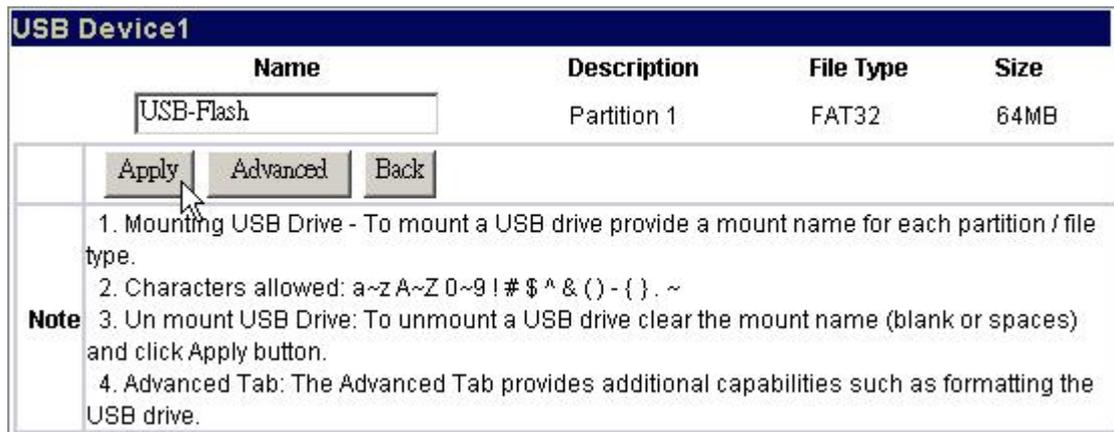
<b>Advanced Setting</b>	
<b>Device Select</b>	<input type="text" value="Device 1"/>
<b>USB HD Format</b>	<input type="button" value="Yes"/> <input type="button" value="No"/>
<b>Note</b>	If you focus on HD format item immediately, then hard disk will be format for a few minutes. When HD Format will be processed, it no accepts any operating to Apply one again. The other item that Mount device is focused and key the "Mount Name" before click apply button to connect mount samba or USB device strictly.

### Mount/ Dismount Your USB Storage on Port II to the Device

Please refer to the following procedures to mount your USB storage to the device:

**Note:** Before mounting the device on port II, please ensure that there is valid USB storage device connection on USB port I.

1. Connect your USB storage to the USB port on the device.
2. Open the GUI. Click **Disk→ Disk Setup**.
3. Enter a name for the USB storage in the "**Name**" box and click "**Apply**"



4. The device is mounted. The system creates a folder for the USB storage.
5. To remove the USB storage from the device, click Disk→ Disk Setup in GUI.  
Erase the name in the "**Name**" box and click "**Apply**". The device is dismounted and ready to be removed now.

## Printer Setup

### Procedures to setup the printer

**Note:** Before installing the printer on port II, please ensure that there is valid USB storage device connection on USB port I.

1. Connect the USB cable of your printer to the device. Power on your printer.
2. Open the GUI and click "**Maintenance**". Install the printer server file to the device in the "uPnP and Printer" column.

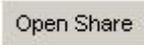
**Note:** To get information for installing the printer server file, please see "uPnP and Printer"

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



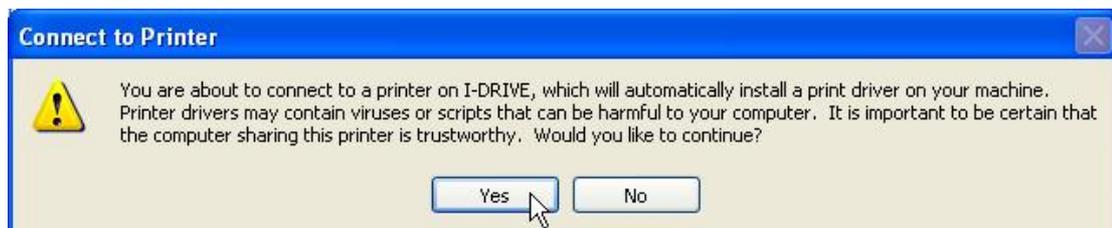
4. Click Printer Setup, Click "Yes" in the "Printer enable" column and click "Apply"
- Note:** After finishing the four steps above, the printer server function is activated. To setup the computers that are going to use the printer, please follow the instructions from step 5.



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.

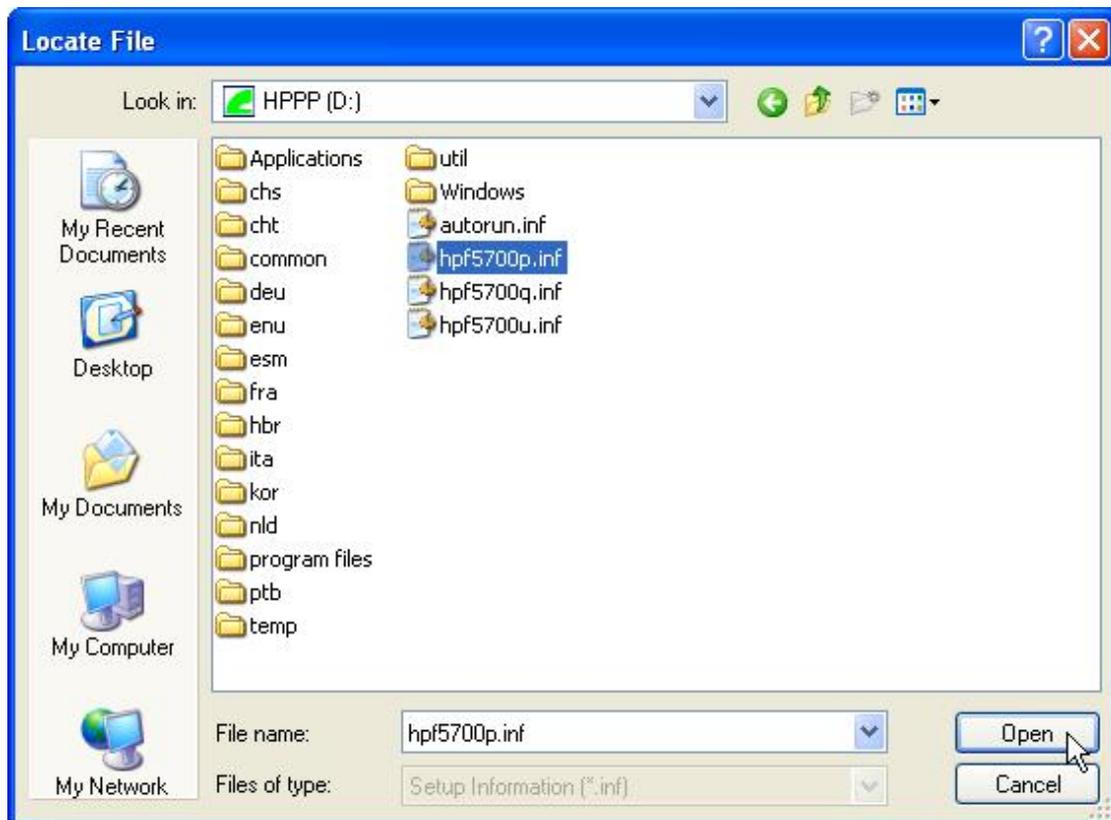


8. Insert your CD that came with your printer. Click the "Have Disk Button"

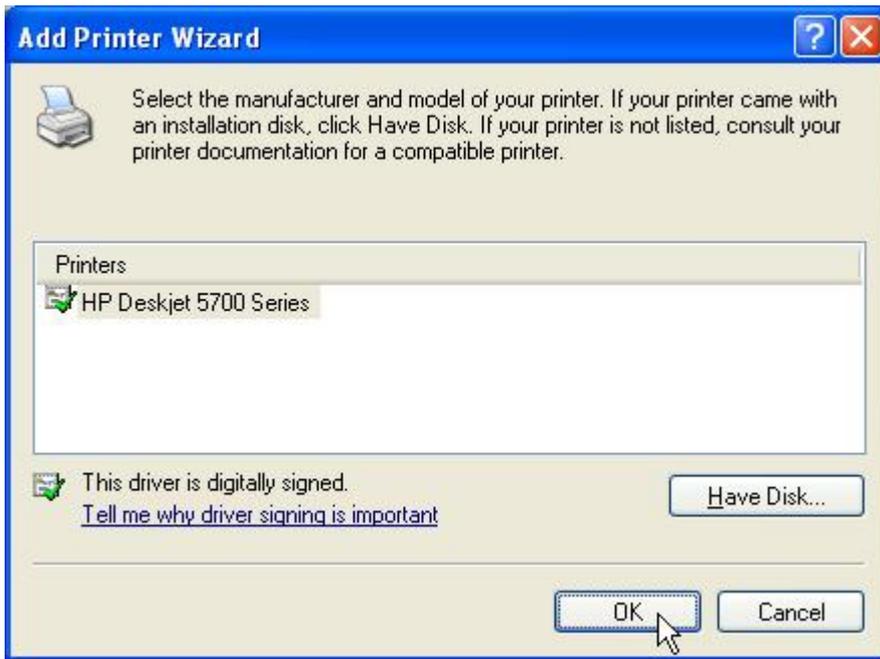


9. Browse to the driver in your CD. Click "Open" to browse the driver.

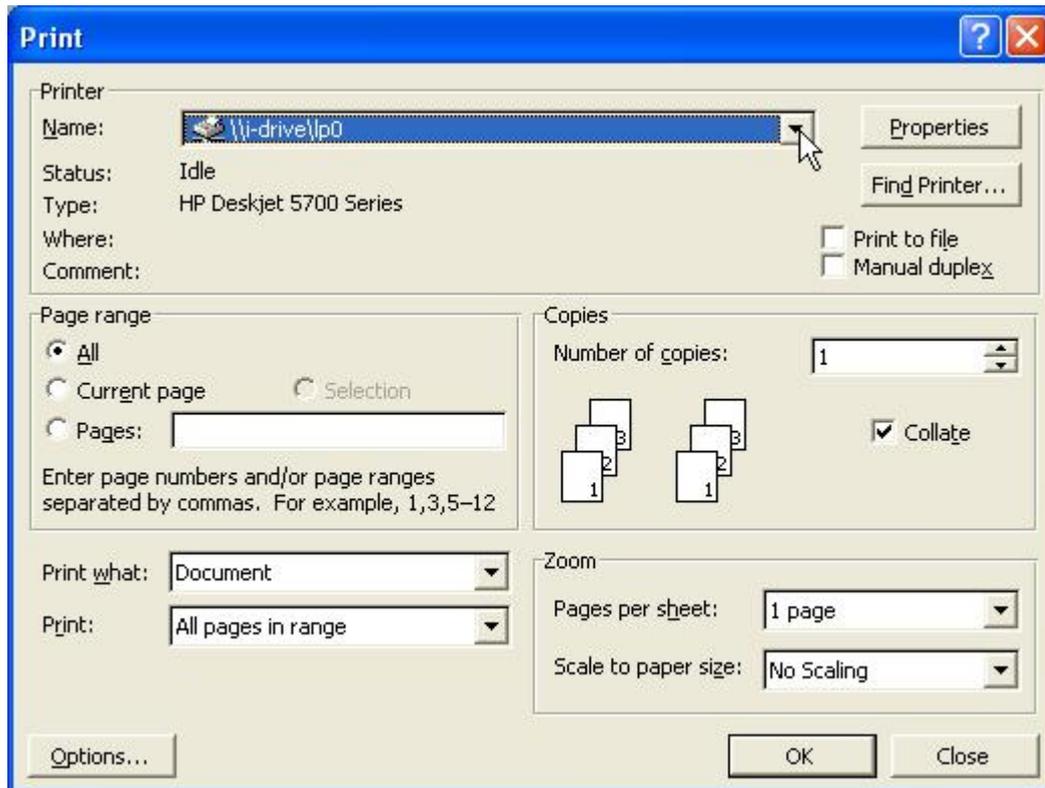
**Tip:** The correct driver is usually the file with the product name in "\*.inf" format.



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

## To Use the Copy Button

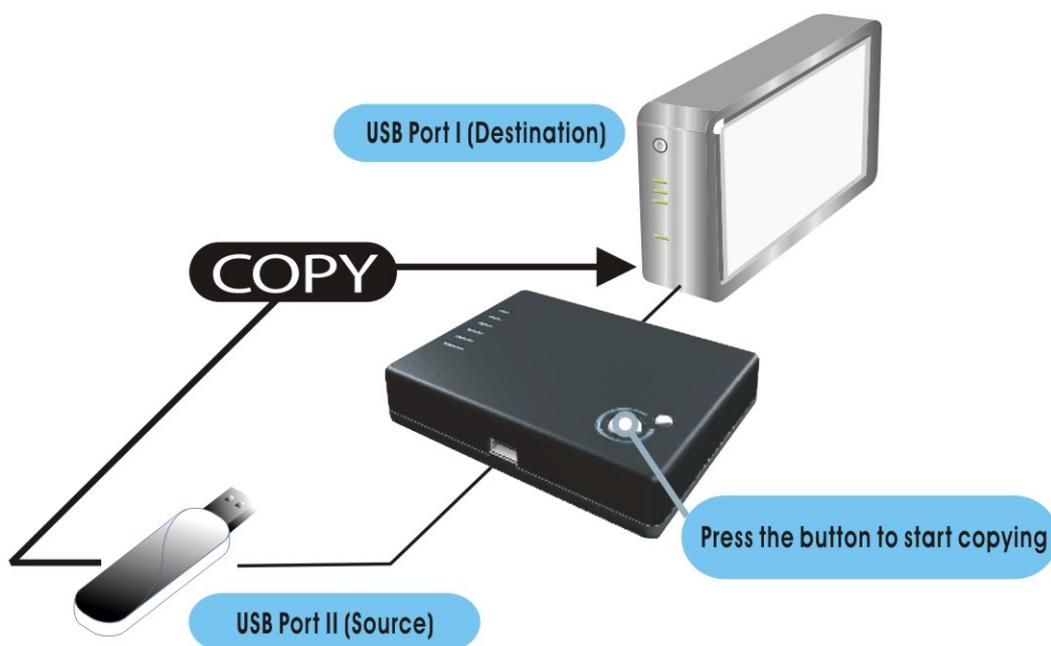
This device equips a **"Backup"** button, which allows you to copy files from USB Port II to Port I by simply clicking the backup button.

To use the one touch copy function, please refer to the following instruction:

1. Power on this product.
2. Connect the destination USB hard drive to port I on this product.
3. Connect the source USB storage device to port II on this product.
4. Press the Backup button. The Backup LED lights blue while data is transmitting.
5. Copying is completed after the copy LED being off.

### Note:

Please check if the USB Error LED illuminates after pressing the backup button. This diagnostic LED is lit to inform users that this copy is failed. To get detail information about this error, please refer to **"Syslog Information"**.

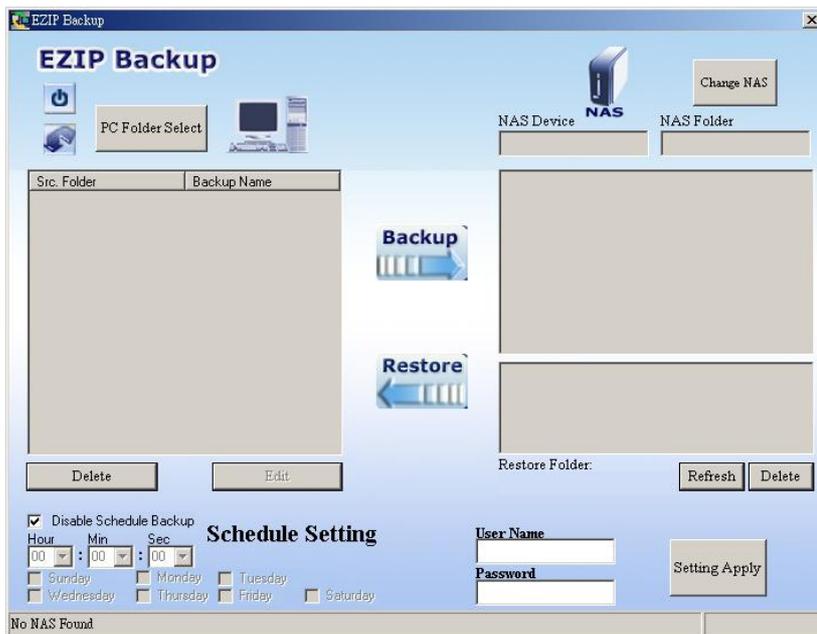


# Using EZIP Backup to back up your files

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**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.**

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.



- 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:\Wroking Table	Wroking Table

- 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.

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

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



- 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 four seconds until the Power LED start to blink 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 client. 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. I use this 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.

### **4. 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.
- When there are over 8 concurrently connected users for Samba or FTP users, the system blocks the upcoming users. Please check the Samba Users / FTP Users.

**5. I have accessed the USB storage device, but I can't get 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.

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

**Ans.**

- For USB storage device with FAT16 or FAT32 format, using other languages that different from your code page may lead this file to unrecognizable. To show the file correctly, please refer to the chapter "code page" for more information.

**7. 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 enactive the printer server functionality, you can refer to "**Printer setup**" for more information
- You may select an incompatible printer. 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. Printers connections on both USB ports of the device may led the printer functioned unsuccessfully.
- If you have installed a USB printer to this device before and would like to install a new one, please click Start→ Setup→Control Panel, right click on the "**idrive\lp0**" icon, and delete it. Then, follow the instructions in "Procedures to setup your printer" to install the new printer.

**8. The printer failed to function after I replaced the USB hard drive on USB port 1.**

**Ans,**

- Check if you install the printer server file for the device. Please note that you have to install this file again after you connecting a new USB storage device on USB port I. To get information for installing the printer server file, please see "**UP&P and Printer**"

**9. My USB device cannot be detected.**

**Ans,**

- Ensure that you power on the USB device.
- Verify if the USB device works normally with other device, for example, your computer.
- Your USB device may be not compatible with this product. You can check this in "**Syslog Information**".
- The previous USB storage device may not be compatible with the device.

Please restart the system and insert this USB device again.

**10. I find only the folders of USB port I after accessing. Where are the folders of Port II?**

**Ans,**

- Only the folders in USB I Port will be listed automatically. To share and configure the folders on USB Port II, you have to mount it first. Please refer to **“Mount/ Dismount Your USB Storage on Port II to the Device”** for instruction.
- The USB hard drive on USB port I may be off. No connection on USB port I will lead the USB II to be functioned unsuccessfully.

# Product Specification

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## Standard

IEEE 802.3, IEEE 802.3u

## Support Protocol

TCP/IP, HTTP, SMB, FTP, EXT3

## Support concurrently connected Users

Samba: Eight Users / FTP: Eight Users

## Interface

One 10/100Mbps RJ-45 Ethernet port

One Default Button

## Connection speed

10/100Mbps

## Support Hard Diskette

One removable 3.5" external HD (ATA)

## Diagnostic LEDs

Power(Green), HDD ACT(Amber) USB I(Green),  
USB II(Green), LINK/ACT(Green), USB Error (Amber)

## Dimensions

220(L)x 132(W)x 60(H) mm

## Operating Temperature

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

## Power Supply

DC 12V 1A External power adapter

## Certification

FCC, CE, VCCI Class B