



LevelOne

WAP-0008

11g Wireless AP Storage w/ STAT/IDE

Interface

User Manual

V1.0

Table of Contents

CHAPTER 1: INTRODUCTION	5
1.1 OVERVIEW	5
1.2 FEATURES	7
1.3 SYSTEM REQUIREMENTS	9
1.4 PACKAGE LIST	10
1.5 HARDWARE CONFIGURATION	11
CHAPTER 2: GETTING STARTED.....	14
2.1 HARD DISK INSTALLATION	14
2.2 MAKING CONNECTIONS	17
2.2.1 <i>Install Necessary Communication Protocols</i>	17
2.2.2 <i>Wired Ethernet Connection</i>	19
2.2.3 <i>Wireless Connection</i>	24
2.3 FILE SHARING	26
2.3.1 <i>Accessing the Network Hard Drive via My Network Places</i>	26
2.3.2 <i>Searching the Computers</i>	26
2.3.3 <i>Search the “Entire Network” Manually</i>	27
2.3.4 <i>Accessing Files via FTP</i>	28
CHAPTER 3: MAKING CONFIGURATION	29
3.1 CONFIGURATION WIZARD	31
3.2 NETWORK SETTINGS	46
3.2.1 <i>DHCP Setting</i>	46
3.2.2 <i>Wireless Setting</i>	48

CHAPTER 4: STORAGE CONFIGURATION 80

4.1 DISK UTILITY 80

4.2 FILE SHARING..... 83

4.3 ACCESS CONTROL 85

4.4 FILE BROWSER 90

CHAPTER 5: ADVANCED TOOLS 92

5.1 BACKUP CONFIGURATION 93

5.2 RESET CONFIGURATION TO DEFAULT 93

5.3 REBOOT 93

5.4 FIRMWARE UPGRADE 94

CHAPTER 6: DOWNLOAD ASSISTANT 95

6.1 FTP 95

6.2 HTTP 98

6.3 EMAIL ALERT CONFIGURATION 100

6.4 DOWNLOAD STATUS 101

CHAPTER 7: MISC..... 102

7.1 TIME SETTING..... 102

7.2 LOGIN SETTING..... 103

7.3 SYSTEM LOG 104

CHAPTER 8: FAQ & TROUBLE SHOOTING 105

8.1 WHAT CAN I DO WHEN I HAVE SOME TROUBLE? 105

8.2 HOW TO SETUP WIRELESS FUNCTION?..... 108

8.3 HOW TO MAP NETWORK DRIVE IN WINDOWS? 119

8.4 HOW TO BACKUP DATA BY USING MICROSOFT BACKUP UTILITY?	121
APPENDIX A: LICENSING INFORMATION.....	128
REGULATORY APPROVALS	138

NOTE: THE CONTENT OF THIS MANUAL WILL BE REVISED WITHOUT PRIOR NOTICE.

Chapter 1: Introduction

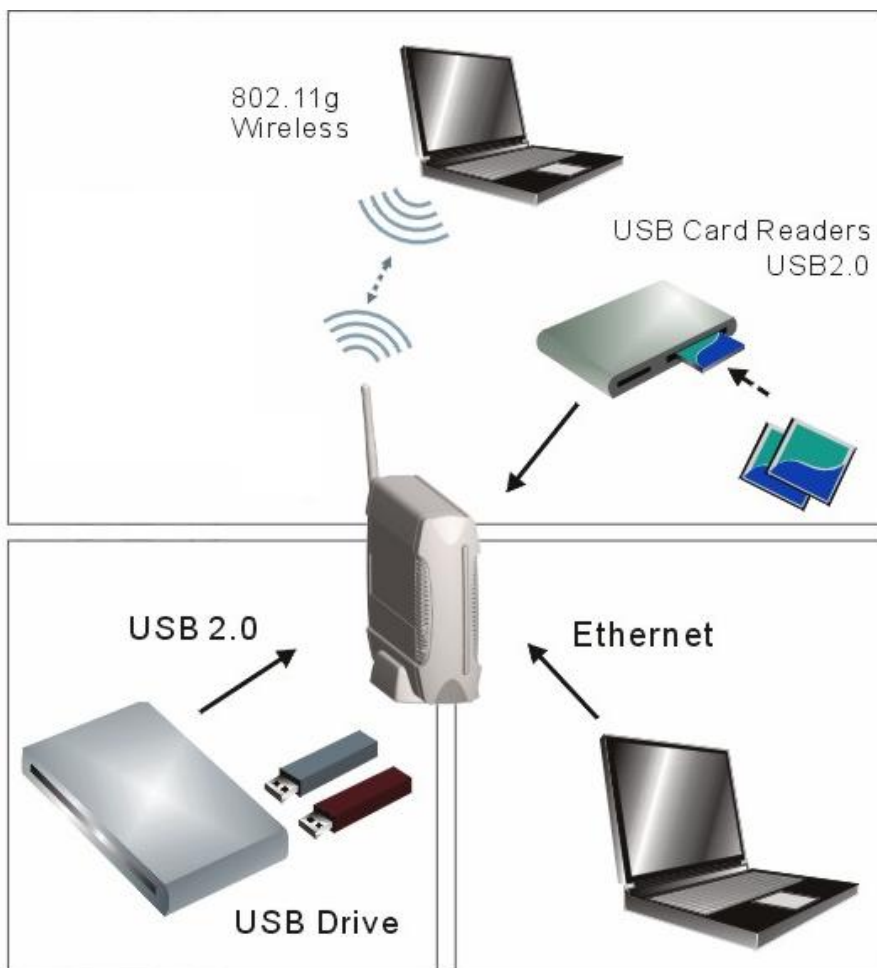
Congratulations on your purchase of this outstanding Network Storage device. This product is specifically designed for Small Office and Home Office needs. It provides a complete SOHO solution for Internet surfing, and is easy to configure and operate even for non-technical users. Instructions for installing and configuring this product can be found in this manual. Before you install and use this product, please read this manual carefully for fully exploiting the functions of this product.

1.1 Overview

The product is designed for 3.5" IDE and serial-ATA (SATA) hard disk drive use. It is an ideal device for small-medium companies and home users who need to backup and share files more efficiently and easily anytime and anywhere. Additionally, with its WLAN* feature which is fully compliant with IEEE 802.11b/g will also let you share files easily.

The Network Storage offers WLAN mobility for home user and business people to maintain continuous network connectivity. Home users can stay connected to the network anywhere through a building without being limited by LAN cables via its AP functionality. This device also has the additional advantage of providing network storage with its 3.5" hard disk which allows you to share information and storage capacity via wireless or wired network.

The Network Storage supports the UPnP content directories and users can share the music and video files easily. Besides, the click-and-copying of files from a flash drive to the Network Storage hard disk make the user backup files efficiently. Please refer to the following application diagram.



1.2 Features

Basic Functions

- Adapt for one 3.5" IDE or Serial-ATA(SATA) hard disk drive.
- Network File Storage and File Sharing via My Network Places in Windows or Samba in Linux and Mac OS.
- Backup files easily: compliant with Windows backup utility.
- Support FAT, FAT32, and Ext2 files system and can read from NTFS file system.
- Support security level as Guest or Authorization user for file sharing.
- Real time clock to synchronize the computer time setting.
- Easy to upgrade: using web browser or windows application to upgrade new version of firmware.
- Browser-based interface configuration and management: OS independent, easy-to-use for consumer installation.
- Support HDD sleeping mode to save power consumption.
- Built-in FTP server.
- UPnP (Universal Plug and Play) AV content directory support.
- Scheduling download assistant.
- Aluminum housing provides better effect for heat-release. *(It's normal that aluminum housing getting warm when Network Storage is working.)*

USB Device

- Built-in USB2.0 host to connect to USB mass storage device, like USB flash drive, USB hard drive, etc.
- Easy copy button: Offer the button to copy folders and files from USB device to internal HDD.

Wireless Functions

- Up to 54Mbps data rate by incorporating Orthogonal Frequency Division Multiplexing (OFDM).
- IEEE 802.11b compatible (11Mbps): Allowing inter-operation among multiple vendors.
- IEEE 802.11g compatible (54Mbps): Allowing inter-operation among multiple vendors.
- Wireless data rate supported: 6/12/18/24/36/48/54 Mbps in 802.11g mode; 1/2/5.5/11Mbps in 802.11b mode.
- Support 64/128-bit WEP encryption.
- Support 802.1X authentication.
- Support WPA, WPA-PSK with TKIP and AES encryption.
- Support WPA2, WPA2-PSK with TKIP and AES encryption.
- Support Client, AP, WDS, and WDS Hybrid wireless modes. (NOTE. Only AP mode and Hybrid mode can support WPA and WPA2.)

Scheduling Download Assistant

- Scheduling download assistant allows users to download files via FTP, HTTP without turning on computer.

1.3 System Requirements

To start to use the Network Storage, your system must have the following minimum requirements:

- Windows 98SE / ME / 2000 / XP, or any other operating system can support Samba.
- An Ethernet (10BaseT or 10/100BaseT) adapter for wired client.
- At least one WLAN client adapter of 802.11g (54Mbps) or 802.11b (11Mbps) for wireless connection.
- TCP/IP and NetBIOS network protocol installed.
- Web browser installed.

The Network Storage requires an external 12V, 4A power supply which is included in the package. For safe operation, please **only** use the power adapter which is provided by this product.

1.4 Package List

The Network Storage package contains the following items:

- WAP-0008
- Power Adapter
- Stand
- Dipole Antenna
- CD Manual/Utility
- Quick Installation Guide

1.5 Hardware Configuration



LED Indicators:

<i>LED</i>	<i>Light Off</i>	<i>Solid Light</i>	<i>Blinking</i>
Power	Power off	Power on	
W.LAN	No packet		On transmitting
LAN	No device	Linked	On transmitting.
HDD R/W	Not in use	HDD read/write	
HDD Status	No HDD	HDD full or error	More blinking quickly, fewer available HDD capacity.
USB 1	No device	USB drive ready	
USB 2	No device	USB drive ready	
Status (Backup)			1. Blinking once per second when device works normally. 2. Blinking quickly when “Backup” button is pressed.

Front Buttons:

<i>Buttons</i>	<i>Description</i>
Shutdown	Press the button for 4 seconds to shut down the whole system before power-off.
Backup	Press the button for 4 seconds to copy data from attached USB device to HDD.

Reset	Press the buttons of “Shutdown” and “Backup” simultaneously for 6 seconds to reset the system setting to factory default.
-------	---

Rear Ports:

Ports	Description
Antenna	Connect 2.4GHz dipole antenna.
LAN	Automatically MDI / MDIX LAN port can sense the cable type when connecting to Ethernet-enabled computer, network of hub, switch, or router.
USB1 / USB2	<p>The ports where you can connect to USB disk, digital camera, or card reader.</p> <p>Card reader:</p> <ul style="list-style-type: none"> * Memory card must insert to card reader first before connect to the storage device. * Storage device supports one memory card at a time. Please do not insert multiple memory cards into the card reader.
Power Switch	Switch on/off the device.
Power Jack	12V / 4A power inlet.

Chapter 2: Getting Started

2.1 Hard Disk Installation

Follow the steps below to insert the 3.5" hard disk and assemble the device before using the Network Storage.

WARNING:

The Network Storage is not hot-swappable. Please make sure that it is turned off and not connected to the power outlet when performing the following assembly procedure.

Step 1: Unfasten two screws at the rear side of device, and pull out the back cover.



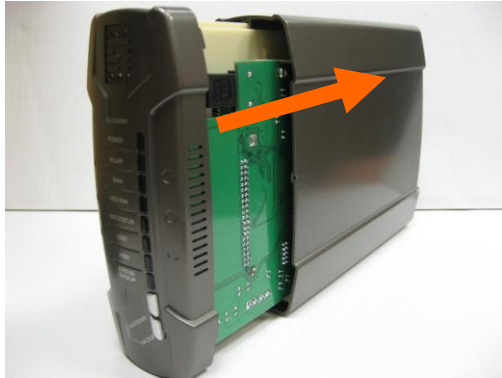
Step 2: Pull out the front panel.



Step 3: Put the 3.5" IDE or SATA hard disk into the slot, and connect proper data (the red cable is used for SATA hard disk and the gray one is for IDE hard disk) and power cable to the hard disk. Then fasten the screws that are included in the package to fix hard disk.



Step 4: Put the front panel back.



Step 5: Put the back cover back, and assemble tightly. Finally, fasten two screws.



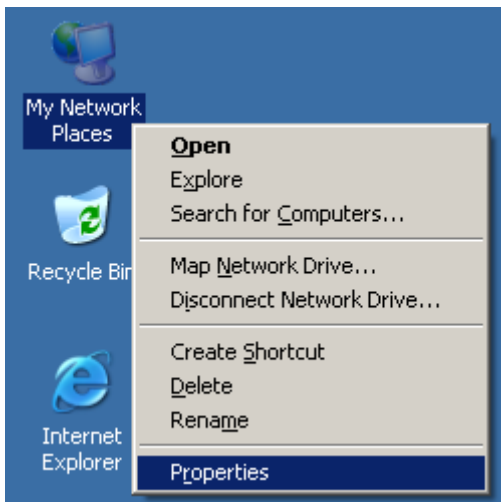
2.2 Making Connections

In order to access the Network Storage as the network storage drive or as a wireless AP, you need to configure the TCP/IP settings correctly in advance. Either the “Wired Ethernet Connection” or “Wireless Connection” can be used to connect to Network Storage.

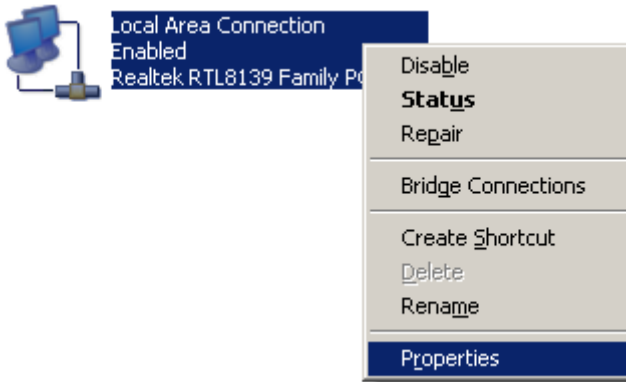
2.2.1 Install Necessary Communication Protocols

Follow the steps below to install “**Client for Microsoft Networks**”, “**File and Printer Sharing for Microsoft Networks**”, and “**Internet Protocol (TCP/IP)**” on your computer.

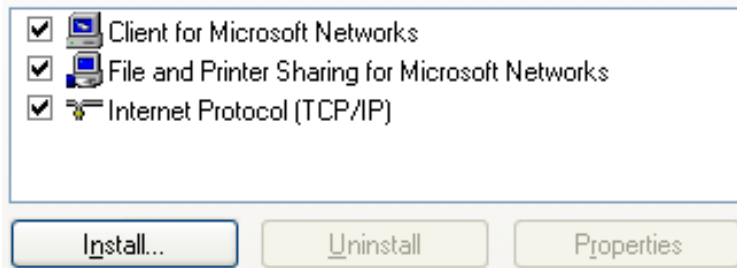
Step 1: Select the “**My Network Places**” on the desktop menu, and right click on the icon to choose “**Properties**”.



Step 2: You may see there are many connections in your computer. Just select one which you will use it to connect to Network Storage. Then choose the “**Properties**” of that connection.



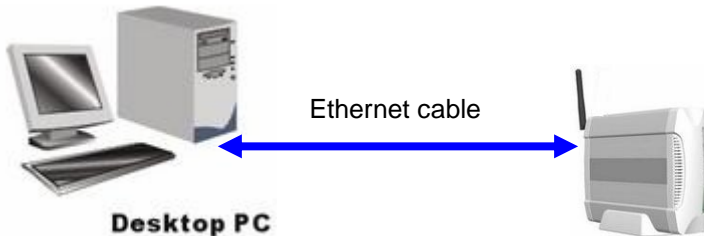
Step 3: Check the “**Client for Microsoft Networks**”, “**File and Printer Sharing for Microsoft Networks**”, and “**Internet Protocol (TCP/IP)**” are installed or not. If not, please install those communication protocols.



If you use other operating system, such as Linux, X-window or Mac OS, please refer to original manual of your OS to finish the configurations of TCP/IP and other required communication protocols.

2.2.2 Wired Ethernet Connection

Use one Ethernet cable to connect the Network Storage and your computer directly. Then power on the Network Storage.



The Network Storage will detect automatically if there is any DHCP server nearby. If yes, it will get an IP address from DHCP server. But if there is no DHCP server in your environment, the Network Storage will become a DHCP server, and assign IP address to your computer. You can get some information as below shown.

Then go to **command prompt** mode from **Start Menu->Programs->Accessories**, and type "**ipconfig**". If the IP address and subnet mask are shown 0.0.0.0, please type "**ipconfig /renew**" to retrieve an IP address.

```
C:\>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 0.0.0.0
    Subnet Mask . . . . . : 0.0.0.0
    Default Gateway . . . . . :
```

```
C:\>ipconfig /renew

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.123.50
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.123.254
```

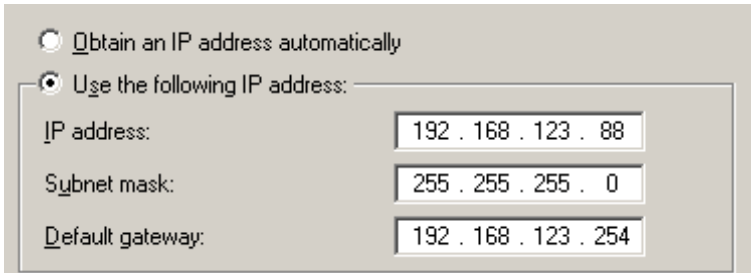
In addition, you can also allocate a static IP address on your computer as below:

Step 1: Find the **Internet Protocol (TCP/IP) Properties** from **My Network Places** and check the **Properties of Local Area Network Connection**.

Choose “**Use the following IP address**”, and assign one **IP address** which can be from 192.168.123.1 to 192.168.123.253. Here we use the 192.168.123.88 as the IP address. The **Subnet mask** must be 255.255.255.0, and the **Default gateway** must be 192.168.123.254. Then

click “**OK**” button to complete TCP/IP setup.

NOTE. The IP address of default gateway must be same as IP address of Network Storage.



☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 123 . 88

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 123 . 254

Step 2: Then go to command prompt mode from **Start Menu->Programs->Accessories**. Type “**ipconfig**” and press the “**Enter**”. Then the following message should be found. Check the IP address, Subnet Mask, and Default Gateway addresses are same as previous settings. If same, you are successful to setup the network configuration.

```
C:\Documents and Settings\plm>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

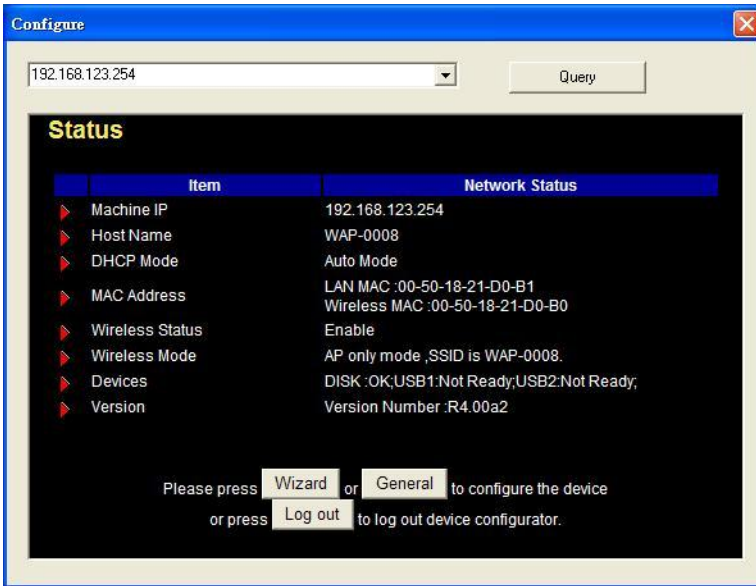
    Connection-specific DNS Suffix  . : 
    IP Address. . . . . : 192.168.123.88
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.123.254
```

There are three methods to configure Network Storage. Please refer to the following instructions, and choose one which is most convenient to you.

Method 1: Use Configuration Tool to Setup

Before you can do this, you need to install the configuration tool from installation CD first. After that, please use the configuration tool to “**Query**” and you will see the status page and input “**admin**” to login.

NOTE. The default login password is “**admin**”.



If there is any DHCP server in the network, Network Storage will be as the client and get one IP address from existed DHCP server. You can also use configuration utility to Query to find the IP address that Network Storage gets.

About other operating systems, such as Linux X-window or Mac OS, please use web browser to configure.

Method 2: Use Web Browser to Setup

Launch any web browser, such as Internet Explorer or Netscape on your computer, and then input IP address of Network Storage in the address field. For an example, type “http://192.168.123.254” and press “Enter”, then you can see the configuration page of Network Storage.

NOTE. You have to know the IP address of Network Storage when you use this method. The default IP address is “**192.168.123.254**”.

The screenshot shows a Microsoft Internet Explorer window with the address bar set to `http://192.168.123.254:2005/index2.htm`. The page title is "Status". It contains a table with two columns: "Item" and "Network Status".

Item	Network Status
Machine IP	192.168.123.254
Host Name	WAP-0008
DHCP Mode	Auto Mode
MAC Address	LAN MAC :00-50-18-21-D0-B1 Wireless MAC :00-50-18-21-D0-B0
Wireless Status	Enable
Wireless Mode	AP only mode ,SSID is WAP-0008.
Devices	DISK :OK;USB1 :Not Ready;USB2 :Not Ready;
Version	Version Number :R4.00a2

Below the table, a message states: "You don't have administrative rights or you have been idle too long, so you are not allowed to browse this page, or activate this function. Please log in as administrator". At the bottom, there is a "System Password" field with a text input box, a "(default: admin)" label, and a "Log in" button.

Method 3: Use “My Network Places” to Search and Setup

First, go to **My Network Places** and search “WAP-0008”.

NOTE. The default host name of Network Storage is “WAP-0008”.

The screenshot shows a Windows XP-style "Search Results - Computers" window. The address bar shows "Search Results - Computers". Below the address bar is a table with three columns: "Name", "In Folder", and "Comments".

Name	In Folder	Comments
samba server (wap-0008)	Levelone	samba server

Double click on “**samba server (wap-0008)**”, and you will see two folders. Then double click the folder “**Configure**”.

You can find there is a “**Configure.html**” in the folder, just double click on “**Configure.html**” directly to see configuration page.

2.2.3 Wireless Connection

Follow the steps below to connect to the Network Storage in a wireless environment. We assume that there is at least one WLAN card installed on your computer, and Network Storage is powered on.

Step 1: Enabling the WLAN card first, and check the **Wireless Network Connection** properties from **My Network Places**.



Wireless Network Connection

Step 2: Select the **Wireless Networks** icon after entering the “**Wireless Network Connection Properties**”. You will find the **WAP-0008** in the available network list, then select the **WAP-0008**, and click **Connect** button to connect. Otherwise, if you can’t find **WAP-0008**, please refresh network list again.

NOTE. The default network name (SSID) of Network Storage is “**WAP-0008**”.



Step 2: Then go to **command prompt** mode from **Start**

Menu->Programs-> Accessories. Type “**ipconfig**” in the command prompt window and press the “**Enter**”. Then the messages of **IP address**, **Subnet Mask**, and **Default Gateway** should be found.

Step 4: After you connect to Network Storage successfully, you can use method 1~3 that have been described in section 2.2.2 to configure Network Storage.

WARNING:

We strongly recommended that you enable wireless encryption feature, or add User Access rules on Network Storage. Otherwise, everyone can connect to it wirelessly and access data which is stored in your hard drive.

2.3 File Sharing

The Network Storage can be a shared network hard drive in an existing wireless or wired network environment. The users in the same network area can read or write data from the device as required. The following various steps are for users to start using the network hard drive.

2.3.1 Accessing the Network Hard Drive via My Network Places

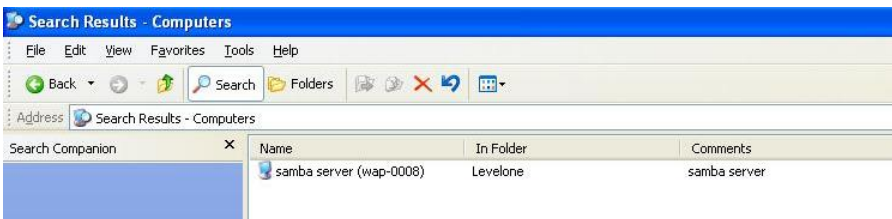
Select the “**My Network Places**” and type the address of “**\\WAP-0008**” and press “**Enter**”. Then you will find the **Storage** icon.

Click the “**Storage**” icon, and you will find the “**C**” folder as below. The folder “**C**” is the root directory of attached hard disk drive.

NOTE. The other folder “**USB**” is the root directory of attached USB drive.

2.3.2 Searching the Computers

Open “**My Computer**” on the desktop menu, and use the “**Search**” function to search the computer of “**WAP-0008**” as below.

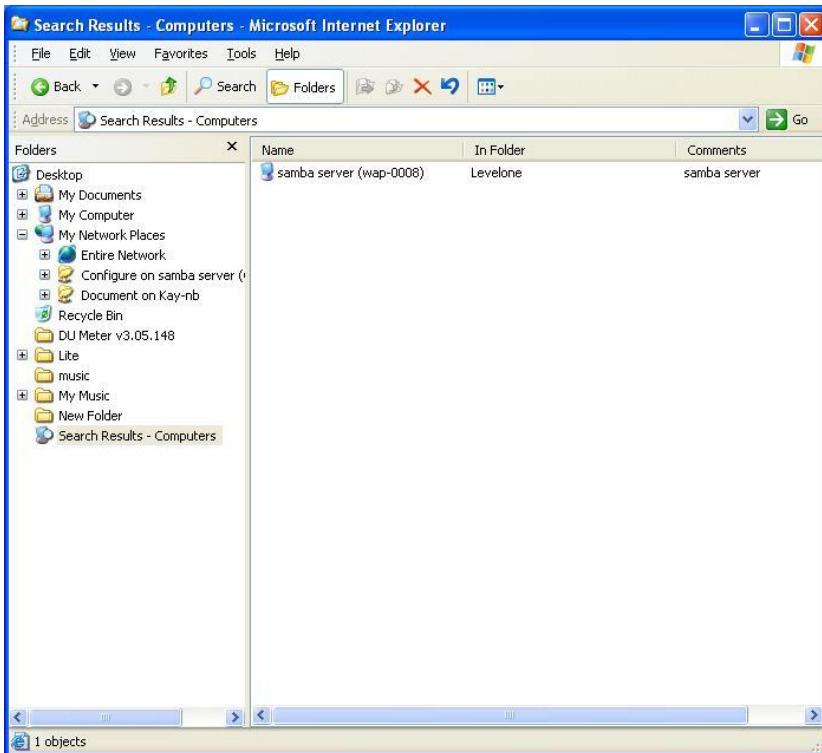


2.3.3 Search the “Entire Network” Manually

Open **Windows Explorer**, and then click the **My Network Places** icon.

Double click the **Entire Network** to view the components of the network.

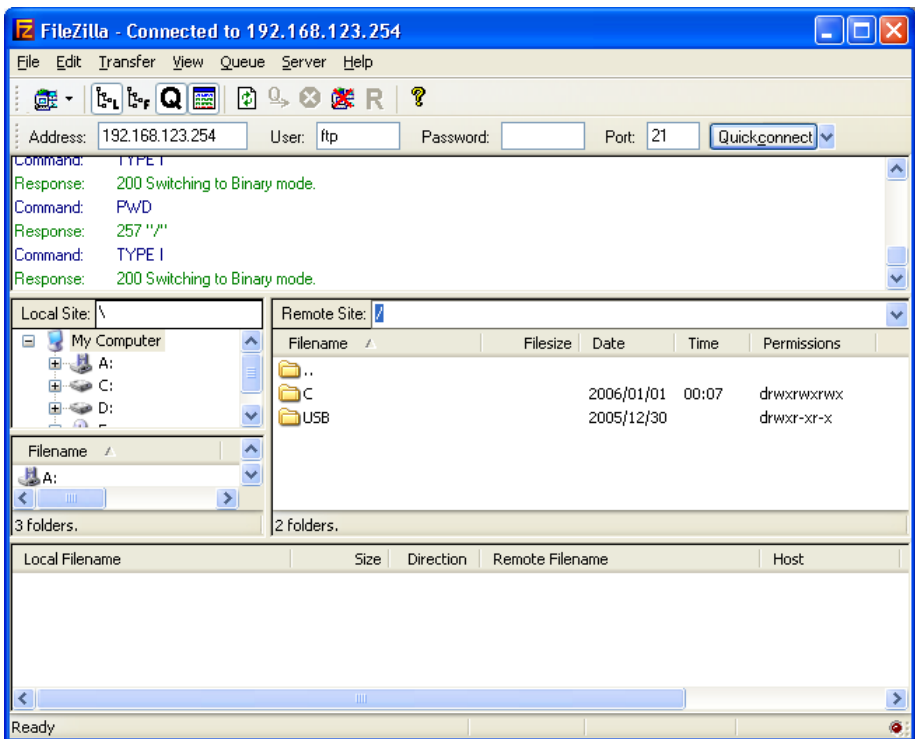
Select and click the **Microsoft Windows Network** icon, then the various network components showed in the list. The default workgroup of Network Storage is **LevelOne**.



2.3.4 Accessing Files via FTP

The Network Storage offers FTP service for the clients which don't support Microsoft Windows File sharing. You can use any FTP client utility to connect to Network Storage with anonymous username and password (username: ftp, and without password) when the **Security Level** is set to **"Guest mode"**. But if you change to **"Authorization mode"**, the accessing permission is limited, and then users have to input specified username and password to access any permitted folders. The rule of access control would be explained in much detail in chapter 4.

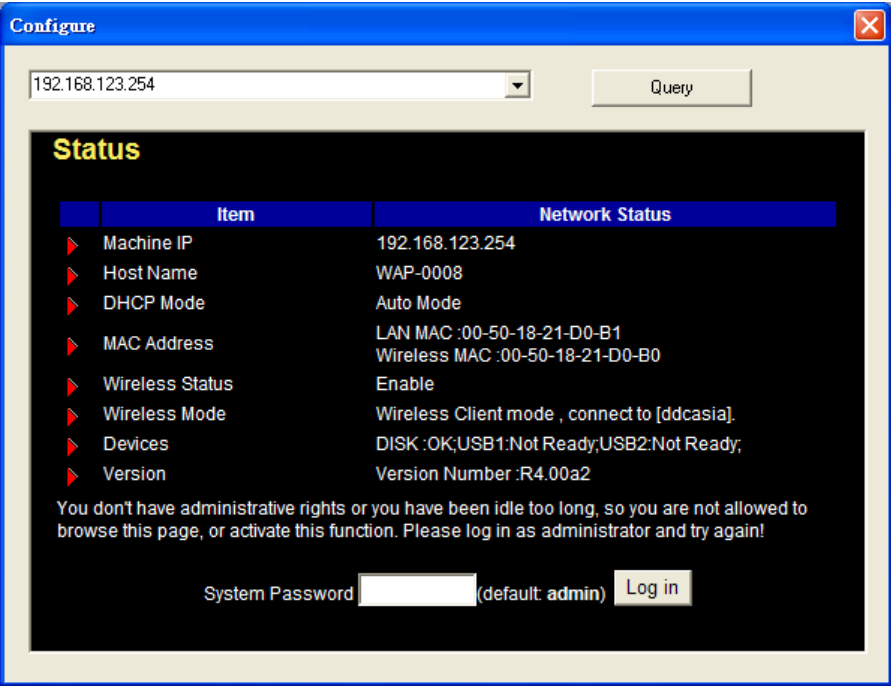
NOTE. The FTP service of Network Storage can be switched off.



Chapter 3: Making Configuration

The Network Storage can be configured various settings through the proprietary Configuration Tool or general web browser. Even you don't know which IP is being used by Network Storage; the Configuration Tool will help you to find it. All you have to do is click the “**Query**” button of the Configuration Tool.

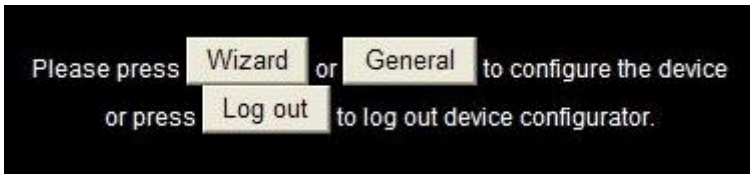
NOTE. You need to know the IP address of Network Storage if you want to configure it by web browser. The default IP address of Network Storage is 192.168.123.254.



When you enter the configuration mode, you are requested to provide the “**System Password**” to activate the configurations. The default login password is “**admin**”.



After login, you could see these buttons:



Press “**Wizard**” button if you want to do basic settings with simpler way.
(Please check section 3.1)

Press “**General**” button if you want to make some advanced settings.
(Please check each item from section 3.2)

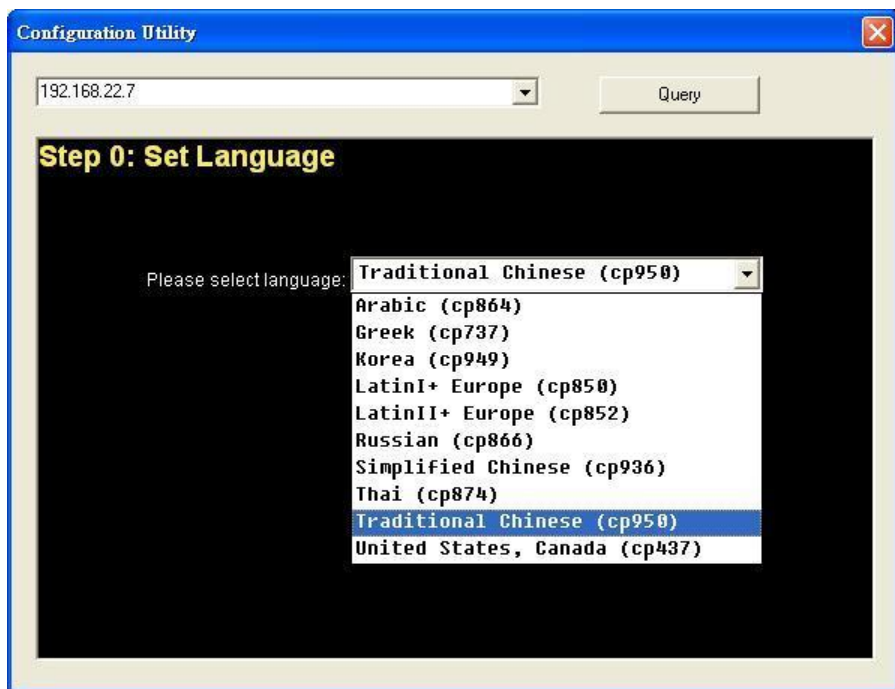
Press “**Logout**” button if you don’t want to do anything.

3.1 Configuration Wizard

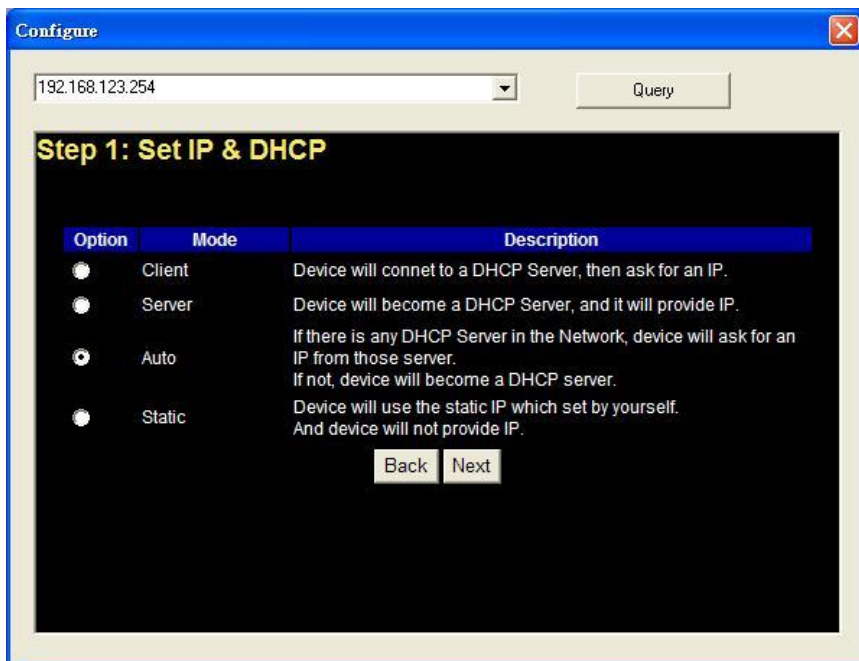
With wizard setting steps, you could configure Network Storage in a very simple way. This configuration wizard includes settings of **Language**, **IP & DHCP**, **Wireless**, **Time**, and **Disk**. Press “Next” button to start configuration.



Step 1: Select which language will be used for folder/file name in the hard disk. Incorrect language setting may cause folder/file name unreadable.



Step 2: If you don't know how to set DHCP option, just keep it as Auto.



192.168.123.254 Query

Step 1: Set IP & DHCP

Option	Mode	Description
<input type="radio"/>	Client	Device will connect to a DHCP Server, then ask for an IP.
<input type="radio"/>	Server	Device will become a DHCP Server, and it will provide IP.
<input checked="" type="radio"/>	Auto	If there is any DHCP Server in the Network, device will ask for an IP from those server. If not, device will become a DHCP server.
<input type="radio"/>	Static	Device will use the static IP which set by yourself. And device will not provide IP.

Back Next

If you choose **Server/Auto/Static** mode, you need to set some TCP/IP settings for Network Storage. If you are not sure about these values, please ask your network administrator or ISP.

Configure

192.168.123.254

Query

IP Settings

	Item	Input
1.	Machine IP :	192.168.123.254
2.	Subnet Mask :	255.255.255.0
3.	Primary DNS :	0.0.0.0
4.	Secondary DNS :	0.0.0.0
5.	Gateway :	0.0.0.0

Back

Next

Step 3: Choose which wireless mode that you want to use. You can also disable wireless feature of Network Storage.



The screenshot shows a 'Configure' window with a blue title bar. At the top, there is a text field containing '192.168.123.254' and a 'Query' button. Below this, the main area has a black background with the title 'Step 2: Setup Wireless' in yellow. A table with three columns is displayed: 'Option' (radio buttons), 'Mode', and 'Description'. The first option, 'AP Only Mode', is selected. Below the table are 'Back' and 'Next' buttons.

Option	Mode	Description
<input checked="" type="radio"/>	AP Only Mode	Device will become a wireless Access Point
<input type="radio"/>	Wireless Client Mode	Device will become a wireless client
<input type="radio"/>	Wireless Disable	Device will disable wireless module

If you choose **AP Only Mode**, in next page, you could specify the SSID and the wireless channel number for Network Storage.

Configure

192.168.123.254

Query

Wireless AP Setting

Item	Input
1 SSID	WAP-0008
2 Channel	1

Back

Next

If you select the **Wireless Client Mode**, in next page, you would have to specify the AP that you want Network Storage to connect to.

Configure

192.168.123.254

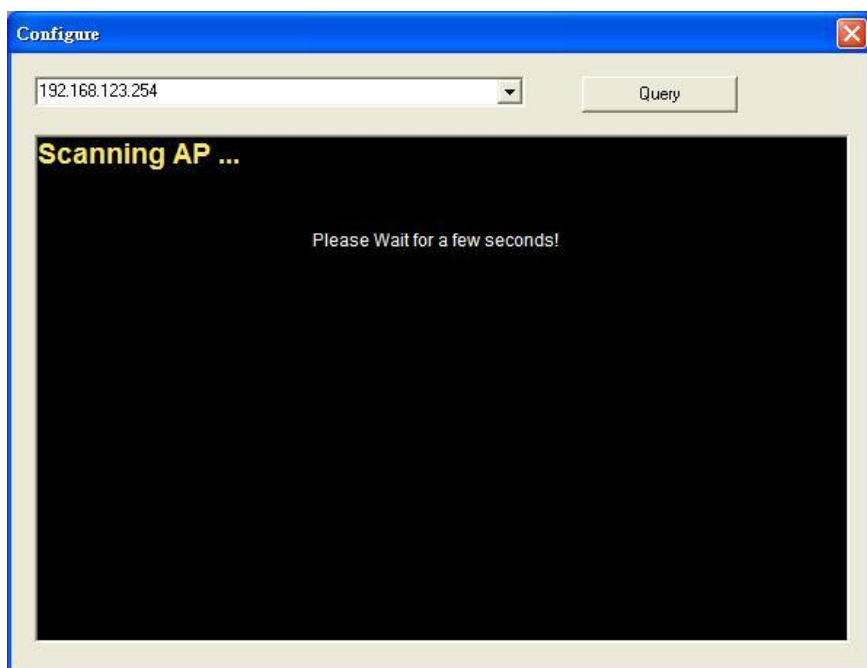
Query

Add AP

Option	Method	Description
1 <input checked="" type="radio"/>	Select Searched AP	We have Search APs in the network, you can choose one to be your AP
2 <input type="radio"/>	Add AP Manually	You can add an AP ,if you have one

Back Next

You have two ways to do this job. One is searching the available AP that Network Storage could get.



After finish searching, you could select the AP that you want Network Storage to connect to.

Configure

192.168.123.254

Add AP From Search Table

Select AP :

	ID	Add CH(Channel)	S SID	S SID	MAC Address
1	<input checked="" type="radio"/>	1	wbr3400	00-C0-02-DF-F2-4C	WEP
2	<input type="radio"/>	6	ddcasia	00-01-24-90-04-B8	WEP
3	<input type="radio"/>	6	3405test	00-11-6B-B0-65-1B	WEP
4	<input type="radio"/>	11	3406	00-11-6B-22-51-50	NONE

The other way to add an AP is setting the SSID manually.

Configure

192.168.123.254 Query

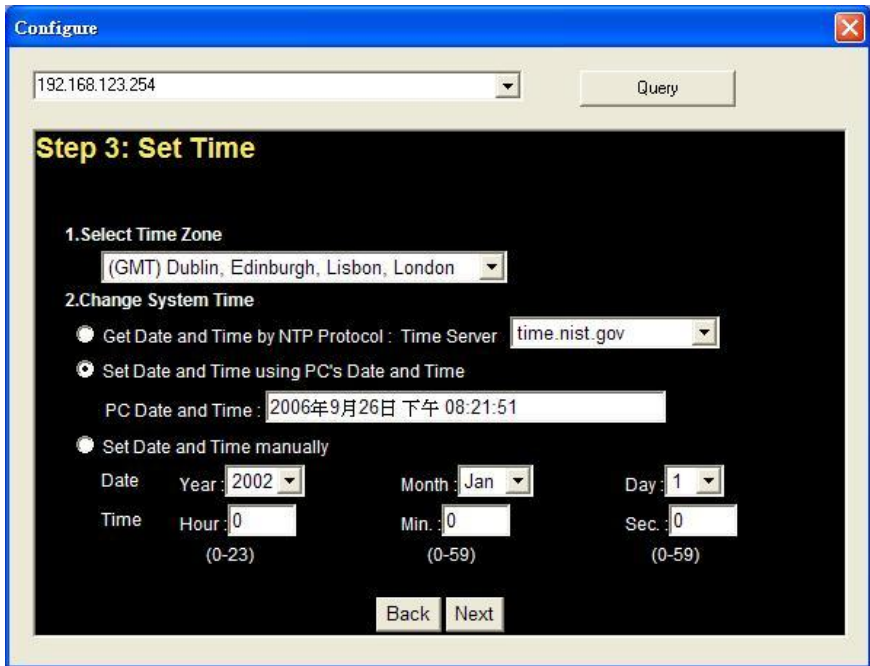
Add AP Manaully

Item	Input
Add AP Manaully	SSID <input type="text"/> (Limit in 32 Char)

☒ ☐ WEP ☐ WPA-PSK/TKIP ☐ WPA-PSK/AES

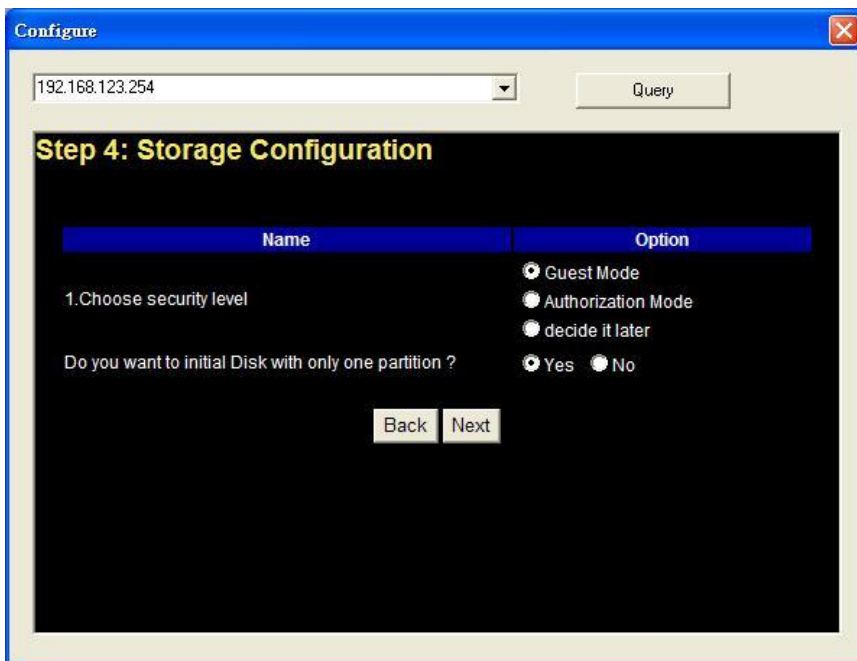
Back Next

Step 4: Next, you have three ways to set time for Network Storage. You could sync time with NTP server or your PC, or set time manually.



The screenshot shows a 'Configure' window with a blue title bar and a red close button. At the top, there is a text field containing '192.168.123.254' and a 'Query' button. Below this, the main content area has a black background with yellow text for the title 'Step 3: Set Time'. The configuration is divided into two sections: '1. Select Time Zone' and '2. Change System Time'. In the first section, a dropdown menu shows '(GMT) Dublin, Edinburgh, Lisbon, London'. The second section has three radio button options: 'Get Date and Time by NTP Protocol : Time Server' (with a dropdown showing 'time.nist.gov'), 'Set Date and Time using PC's Date and Time' (which is selected), and 'Set Date and Time manually'. The 'PC's Date and Time' option shows a text field with '2006年9月26日 下午 08:21:51'. The 'Set Date and Time manually' option includes fields for Date (Year: 2002, Month: Jan, Day: 1) and Time (Hour: 0, Min.: 0, Sec.: 0), each with a range in parentheses below it. At the bottom are 'Back' and 'Next' buttons.

Step 5: Here you will see three options of security level. The “**Guest Mode**” means everyone can access any data in your hard disk drive. The “**Authorization Mode**” means only authorized user can access data which is stored in their home directory. Or you can decide the security level later if you don’t have any idea yet.



If you choose **Decide it later**, the Network Storage won't do any change to your hard disk. So you can keep all your data which has been stored in the hard disk.

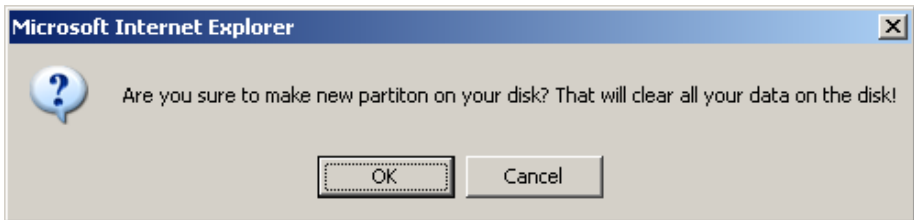
If you choose **Guest Mode**, it's not necessary to initial your hard disk drive. As a result, if you use a whole new hard disk, please select "**Yes**". If you already have data in this hard disk, you might want to select "**No**". This option would format your hard disk to one partition if you select "**Yes**".

NOTE. You can get better performance after disk initialization.

WARNING:

The format process will erase all your data which has been stored in your hard disk drive.

If you select “Yes”, the Network Storage would ask you one more time to confirm your decision.



WARNING:

Even there is only one partition in your hard disk, the Network Storage will format your hard disk again if you press OK.

If you choose **Authorization Mode**, it's necessary to initial your hard disk drive. The public directory will store data which can be accessed by any user. But only authorized user can access data which is stored in their home directory in the private directory. Please indicate capacities for public directory and private directory separately. After you indicate capacity for one directory, the rest of capacity can be assign to the other directory automatically.

NOTE. The easy copy button in the front panel is going to copy folders/files from USB drive to public directory while you activate authorization mode.

Configure X

192.168.123.254 Query

Step 4: Storage Configuration

Name	Option
1.Choose security level	<input type="radio"/> Guest Mode <input checked="" type="radio"/> Authorization Mode <input type="radio"/> decide it later
Disk Total Capacity = 78533 MB	
Public Directory Capacity	<input type="text" value="20000"/> MB
Private Directory Capacity	<input type="text" value="58533"/> MB
*** Public Directory is default sharing directory for everyone ***	
***Private Directory is used to be user's private directory and can't share to other users ***	
<input type="button" value="Back"/> <input type="button" value="Next"/>	

WARNING:

The initialization will erase all your data which has been stored in the hard disk.

Step 6: This page will show the configurations that you choose, please check your settings again before saving. Click **"Discard Settings"**, then you would return to the first page and without saving any changes. If you want to change any setting, please click **"Previous"** button to go back to previous page. Finally, if everything is okay, click **"Save Settings"** to save your new settings.

Configure

192.168.123.254

Query

Step 5: Save Your Configuration

Steps	Name	Settings
0	Language	United States, Canada.
1	IP & DHCP	Auto Mode, IP=192.168.123.254, Subnet Mask=255.255.255.0 Primary DNS=0.0.0.0, Secondary DNS=0.0.0.0, Gateway=0.0.0.0.
2	Wireless	AP Only Mode=WAP-0008, Channel=1.
3	Time	Set Date and Time using PC's Date and Time
		Authorization User Mode
4	Disk	Divide hard disk into two parts Public Partiton 20000 MB Private Partiton 58533 MB

Back Discard Settings Save Settings

If you choose to initialize or format hard disk, please wait the progressing bar become 100%.

WARNING:

Do Not press any button or power off the Network Storage when the format is in progress.

After everything is done, system would reboot automatically. Please wait 30 seconds at least for system restarting.

3.2 Network Settings

3.2.1 DHCP Setting



Following sections describe the various DHCP settings.

- General Settings: default machine IP is **192.168.123.254**. This IP address must be unique on your network. You can change it if necessary. This setting is only used for DHCP server mode, and Static IP mode. Host name is the identification of Network Storage when you browse it in Microsoft My Network Places.
- DHCP Mode: The default mode is “Auto”
 - ✓ Client: If you have a DHCP server on the network, set this

option to receive an automatic IP address and subnet mask assignment.

- ✓ Server: The Network Storage will become a DHCP server on the network.
- ✓ Auto: Select this option to let Network Storage send out a DHCP request during boot up. If you have another DHCP server on the network, the Network Storage will receive an automatic IP address and subnet mask assignment. If there is no DHCP server on the network, the Network Storage will become a DHCP server on the network.
- ✓ Static: You can manually configure the IP address and subnet mask of Network Storage.
- Server Settings: (This information would be used when you choose Server mode or Static mode.)
 - ✓ Subnet Mask: subnet mask of your network.
 - ✓ IP Pool: decide the IP address range that DHCP server will offer.
 - ✓ Primary DNS / Secondary DNS: This feature allows you to assign DNS Servers. You could get this information from your ISP.
 - ✓ Gateway: The gateway IP address would be the IP address of an alternate gateway. If you do not know how to setup the gateway, please contact your network administrator or ISP.
 - ✓ Client List: When Network Storage is as a DHCP server, here will show some information of DHCP client.

- ✓ Fixed Mapping: DHCP server can assign the same IP address to a certain “MAC address”.

3.2.2 Wireless Setting

Select the **Wireless** option in the Network Settings page.



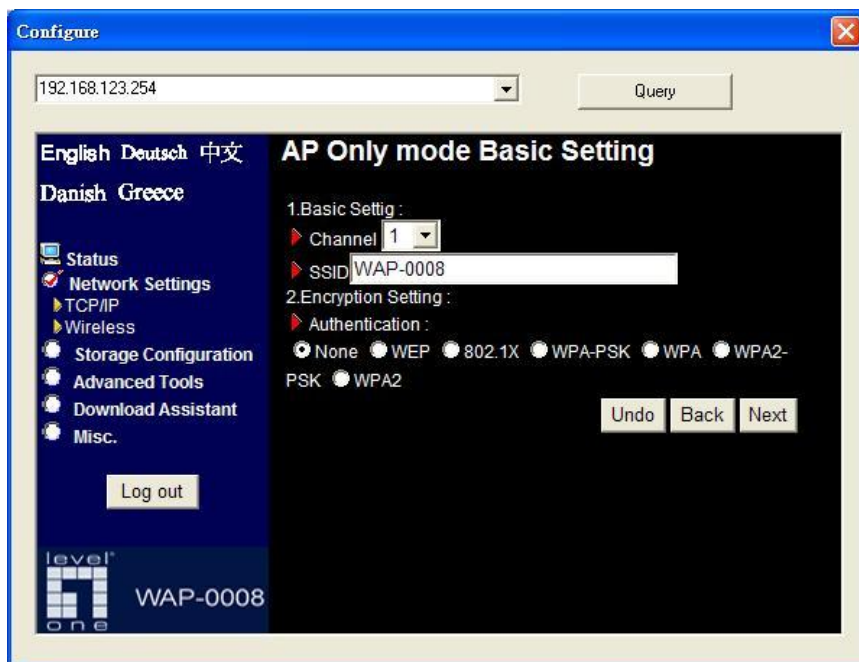
Following information will let you know the current wireless operation status.

- Basic Settings: allow you to enable or disable wireless function.
- Advanced Settings: the Network Storage provides four wireless modes to select. Please refer to the following section to check details of each wireless mode separately.

Choose the wireless mode you need, and click “**Next**” button to setup detail items.

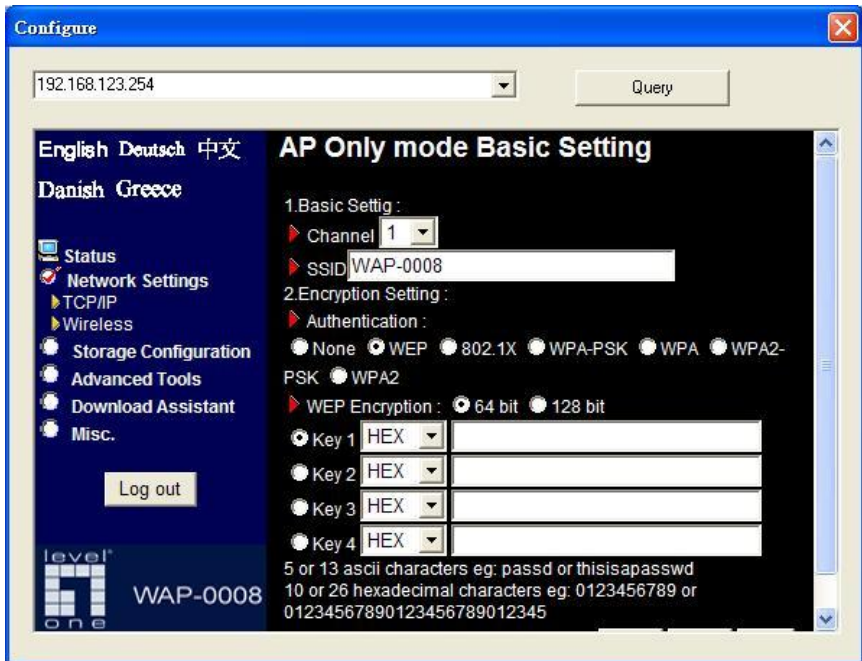
3.2.2.1 AP Only Mode

When you are in the **AP Only mode**, you can setup the basic wireless functions as below.

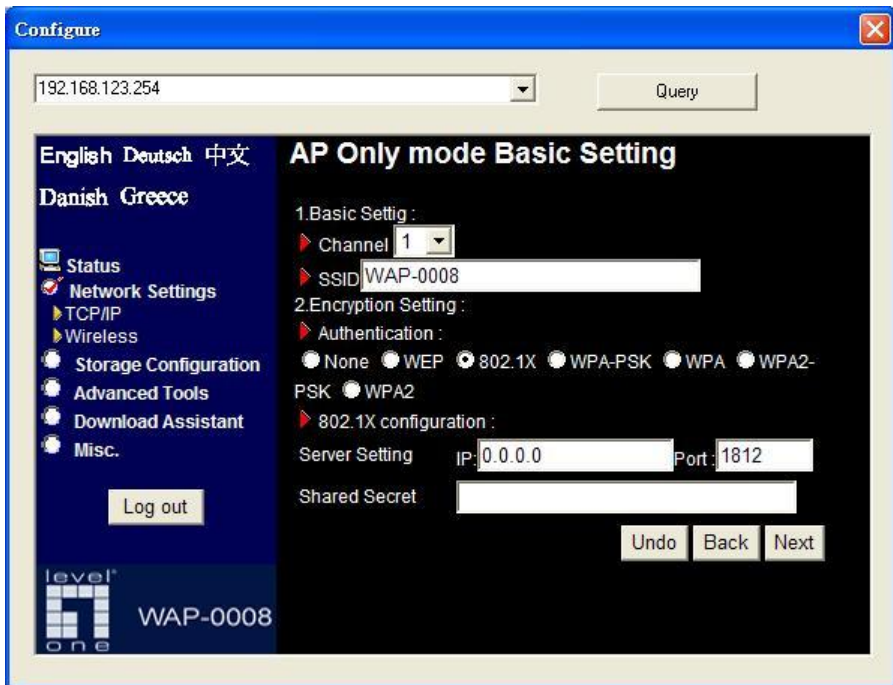


Wireless AP Setting:

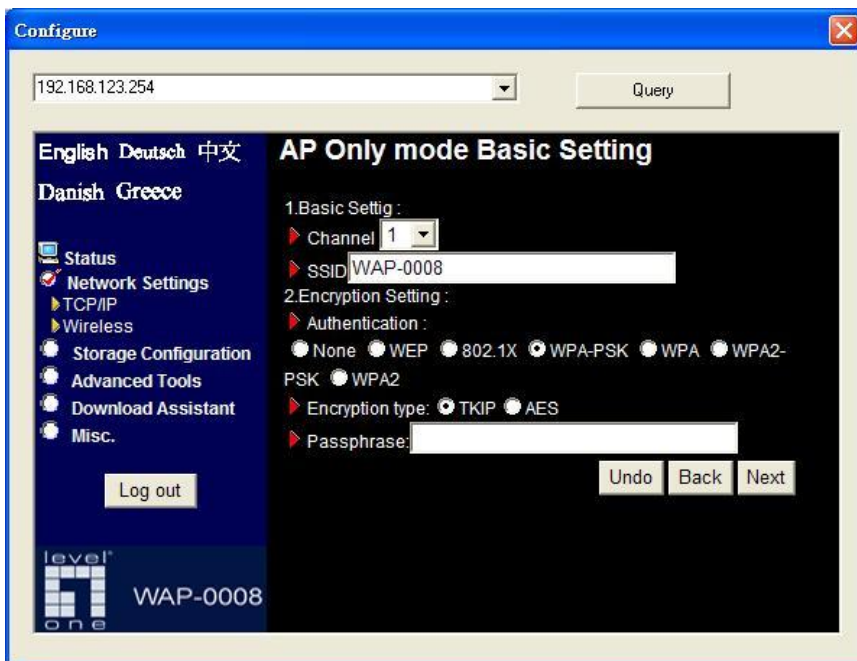
- Channel: choose the radio channel number. The default channel of Network Storage is “1”. **Please DO NOT set the same channel with your existed wireless network.**
- SSID: the SSID identifies a specific wireless LAN. Before associating with a particular wireless LAN, a station must have the same SSID as the access point. The default SSID setting is **“WAP-0008”**.
- Authentication: authentication ensures that digital data transmissions are delivered to the intended receiver. This option enables you to set the authentication method for various encryption schemes.
- WEP Encryption: select “64” or “128” bits for encryption method to protect your data by encrypting it. The WEP key can be 5(or 13) ASCII characters or 10(or 26) hexadecimal characters based on whether you select 64 bit or 128 bit WEP encryption.



- 802.1X: IEEE 802.1x authentication can be done by using an external RADIUS server. You need to input the IP address of RADIUS server and Shared Secret. Please refer to FAQ in chapter 8 to get more detailed information.



- WPA-PSK, WPA2-PSK: AP and Client need to use identical Pre-shared key (PSK). Please choose TKIP or AES for encryption type, and then input 64 Hex key (0~F) or 8~63 ASCII characters.



- WPA, WPA2: WPA applies IEEE802.1x and Extensible Authentication Protocol (EAP) to authenticate wireless clients using an external RADIUS server. Please input the IP address of RADIUS server and Shared Secret. Please refer to FAQ in chapter 8 to get more detailed information.

NOTE. This device can support WPA version 1 and version 2.

Configure

192.168.123.254

Query

English Deutsch 中文
Danish Greece

Status

Network Settings

- TCP/IP
- Wireless

Storage Configuration

Advanced Tools

Download Assistant

Misc.

Log out

level

WAP-0008

one

AP Only mode Basic Setting

1.Basic Settig :

- Channel 1
- SSID WAP-0008

2.Encryption Setting :

- Authentication :
 - None
 - WEP
 - 802.1X
 - WPA-PSK
 - WPA
 - WPA2-PSK
 - WPA2
- Shared Secret Key error!Range in 8~64.: TKIP AES

Server Setting

- IP: 0.0.0.0
- Port: 1812

Shared Secret

Undo Back Next

Advanced Setting:

The screenshot shows a 'Configure' window for a device labeled 'WAP-0008'. The window has a blue title bar and a yellow border. At the top, there is a text field containing '192.168.123.254' and a 'Query' button. Below this, there is a language selection menu with options: English, Deutsch, 中文, Danish, and Greece. The main content area is titled 'AP Only mode Advanced Setting' and contains a list of configuration options:

1. Wireless Mode : ☒ 11b/g mixed ☐ 11g only
2. Beacon interval : msec (1~1000,default 100)
3. RTS Threshold : (1~2347,default 2347)
4. Fragmentation : (256~2346,default 2346,even number only)
5. DTIM interval : (1~255,default 3)
6. Preamble Type : ☒ Long Preamble ☐ Short Preamble
7. SSID Broadcast : ☐ Disable ☒ Enable

At the bottom of the configuration area, there are three buttons: 'Undo', 'Basic Setting', and 'Next'. On the left side of the window, there is a sidebar with a 'Log out' button and a 'level one' logo.

- Wireless mode: **11b/g mixed** can let 11g or 11b computers both exist on the network, but the speed will be reduced. Select **11g only** for maximum speed, but no 11b users will be allowed on the network.
- Beacon interval: This represents the amount of time between beacon transmissions. The interval tells receiving devices on the network how long they can wait in low-power mode before waking up to handle the beacon. Beacons are packets sent by an Access Point to synchronize a wireless network. Specify a Beacon interval value between 1 and 1000. The default value is set to 100 milliseconds.

- **RTS Threshold:** The RTS threshold specifies the packet size of an RTS transmission. This helps control traffic flow through an access point, especially one with many clients. The setting value range is from **1 to 2347**, and default value is set to **2347**.
- **Fragmentation:** In a network, the maximum size or length of a fragment is determined by the protocol used to transport the data. This value should remain at its default setting of **2346**. If you experience a high packet error rate, you may slightly decrease your "Fragmentation" value within the value range of **256 to 2346, even number only**. Setting the Fragmentation value too low may result in poor performance.
- **DTIM interval:** A Delivery Traffic Indication Message (DTIM) is a countdown informing clients of the next window for listening to broadcast and multicast messages. When the Access Point has buffered broadcast or multicast messages for associated clients, it sends the next DTIM with a DTIM Interval value. AP clients hear the beacons and awaken to receive the broadcast and multicast messages. Enter a value from **1 to 255** for DTIM. The default value for DTIM interval is set to **3**.
- **Preamble Type:** The Preamble Type defines the length of the CRC (Cyclic Redundancy Check) block for communication between the Access Point and roaming wireless adapters.
- **SSID Broadcast:** **Enable** or **Disable** a SSID broadcast. When enabled, the SSID of Network Storage is sent to wireless enabled devices on the LAN. This feature is enabled by default.

Then press "**Next**" button, you could see the Wireless MAC Filtering setting.



The default setting is “**Disable MAC filtering**”, every wireless client could connect to this Network Storage. When you select “**ALL accept**”, the wireless clients with the MAC addresses you enter below will be accepted to connect to this Network Storage, the others will be rejected. When you select “**ALL Reject**”, the wireless clients with the MAC addresses you enter below will be rejected to connect to this Network Storage, the others will be accepted.

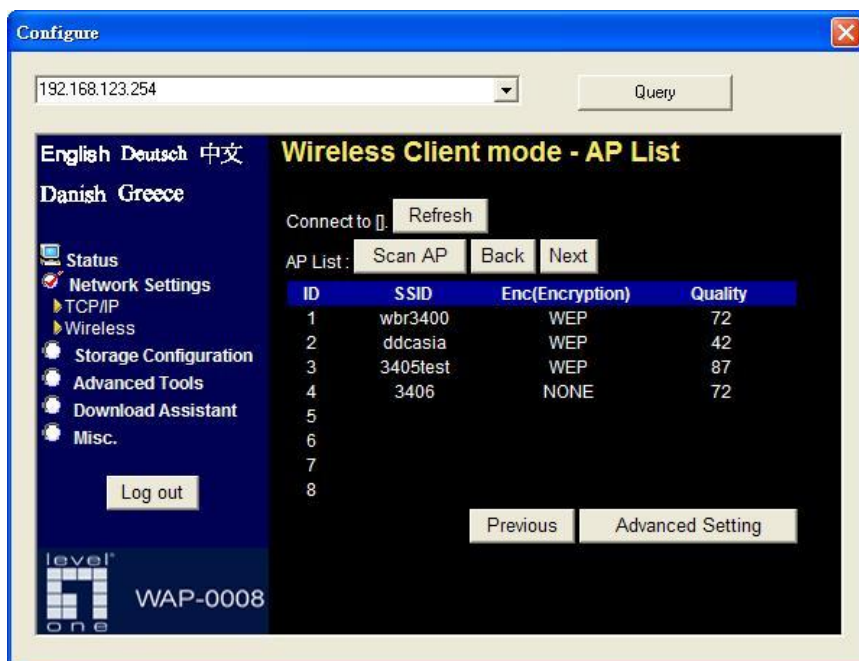
After finish configuration, press “**Next**” button to review all wireless settings. If everything is correct, then press “**Confirm**” button to save and take effect new settings.

3.2.2.2 Wireless Client Mode

Select the “**Wireless Client mode**” and click “Next” button to setup under the Wireless client mode.

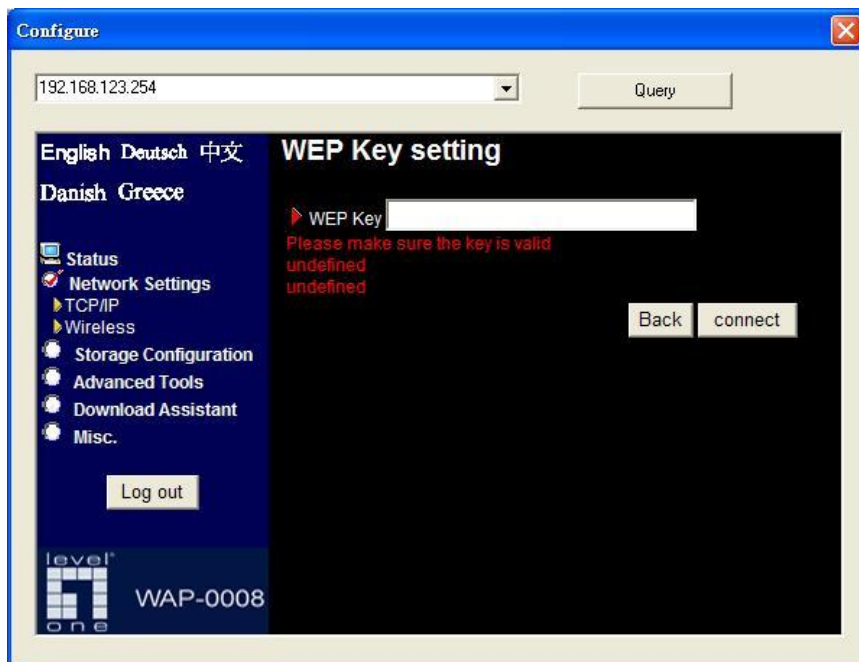
After entering the Wireless client mode setting, click the “**Scan AP**” to scan the existing AP in your environment. Then click the AP that you want to connect to.

NOTE. If Network Storage can’t find any AP in your environment, please check whether the antenna is well connected or not.

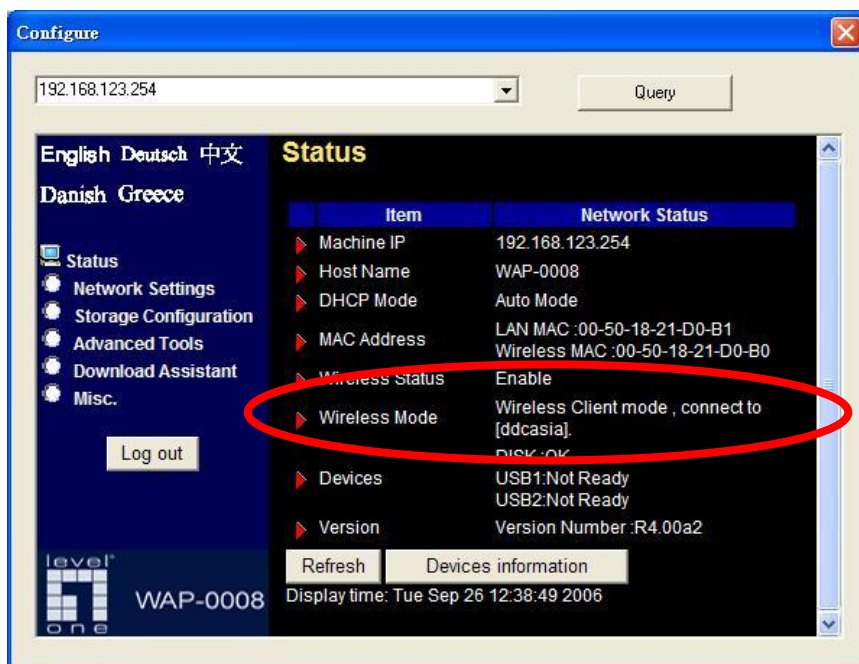


Input encryption keys if needed. Then press **“Connect”** button to connect.

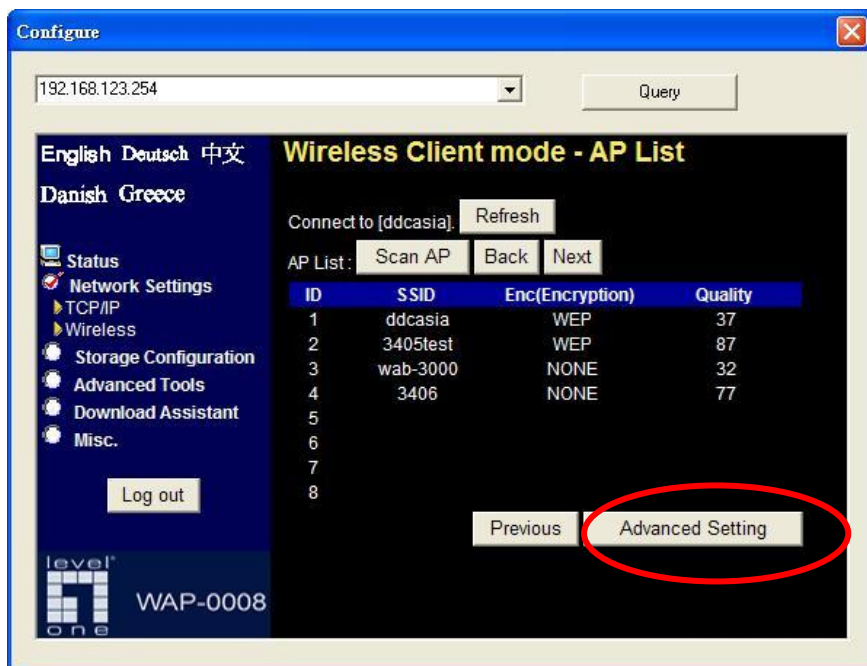
NOTE. The encryption method is decided by remote AP.



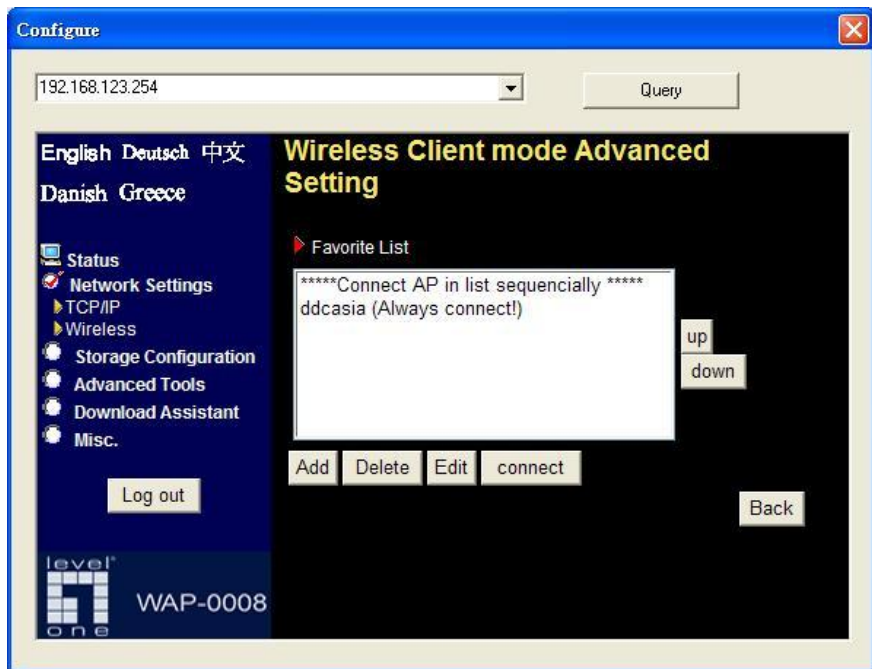
Then Network Storage will save configurations and reboot automatically.
After that, you can check the wireless status in the status page.



Besides selecting AP from available list, you can also add AP manually.
Press “**Advanced Setting**” in the wireless configuration page.



Press “**Add**” button to add a remote AP.



Input the SSID information of remote AP. You may also need to input correct encryption keys when remote AP activates encryption mechanism. Then press **“Save”** to save the configuration.



You can also modify attributes of existed AP. Go to wireless “**Advanced Setting**” page, choose the AP that you want to modify, then press “**Edit**” button.



When you finish all the modification, press “**Save**” button to save changes.

Configure

192.168.123.254

English Deutsch 中文
Danish Greece

Wireless Client mode AP Configure

1. SSID

2. Authentication ☐ None ☒ WEP ☐ WPA-PSK

4. WEP Encryption ☒ 64 bit ☐ 128 bit

<input checked="" type="radio"/> Key 1	HEX	<input type="text" value="0226272288"/>
<input type="radio"/> Key 2	HEX	<input type="text" value="0226272288"/>
<input type="radio"/> Key 3	HEX	<input type="text" value="0226272288"/>
<input type="radio"/> Key 4	HEX	<input type="text" value="0226272288"/>

5 or 13 ascii characters eg: passd or thisisapasswd
10 or 26 hexadecimal characters eg: 0123456789 or
01234567890123456789012345

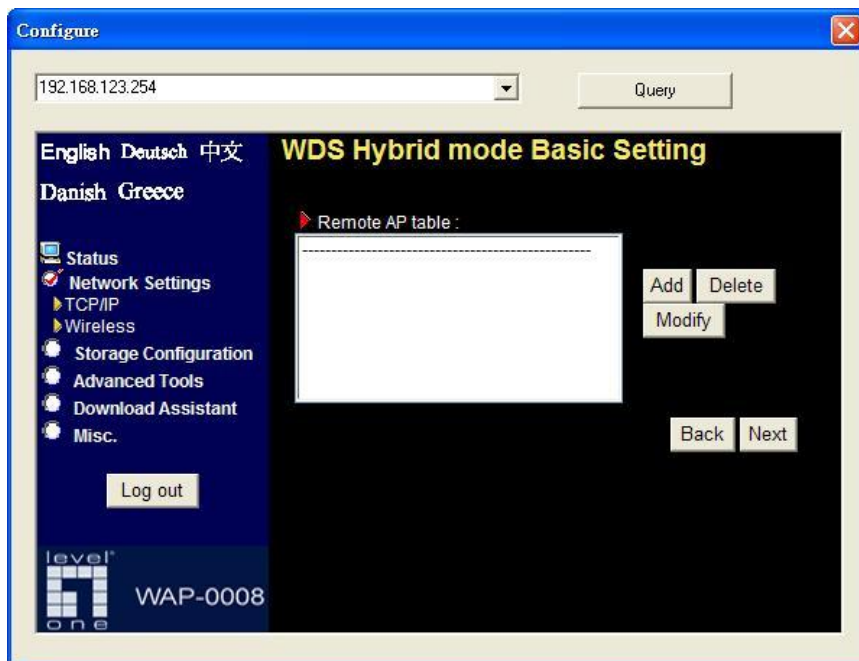
level one WAP-0008

3.2.2.3 WDS Hybrid Mode

Select the “**WDS Hybrid mode**” and click “**Next**” to set up.

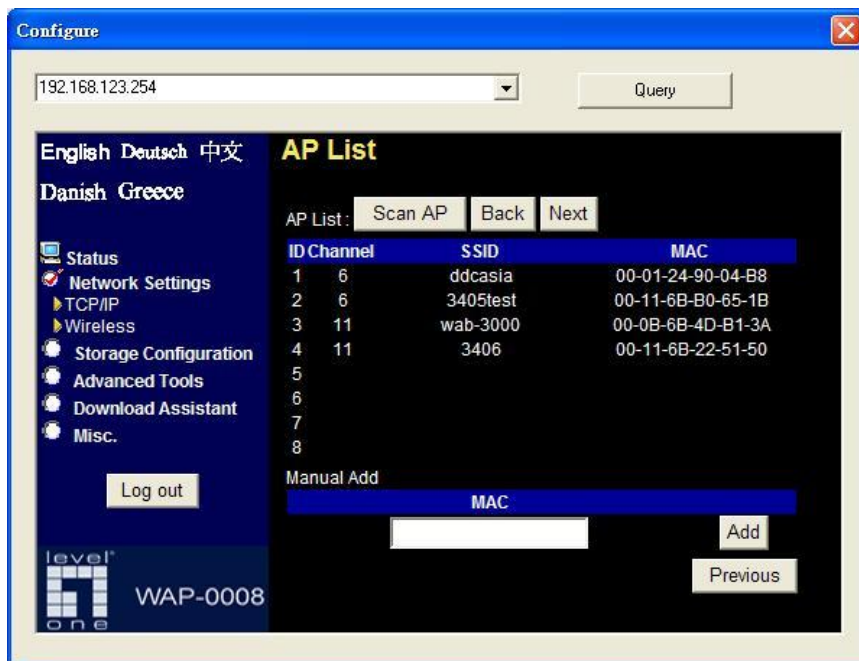


After entering the WDS Hybrid mode setting, click **“Add”** to set up.

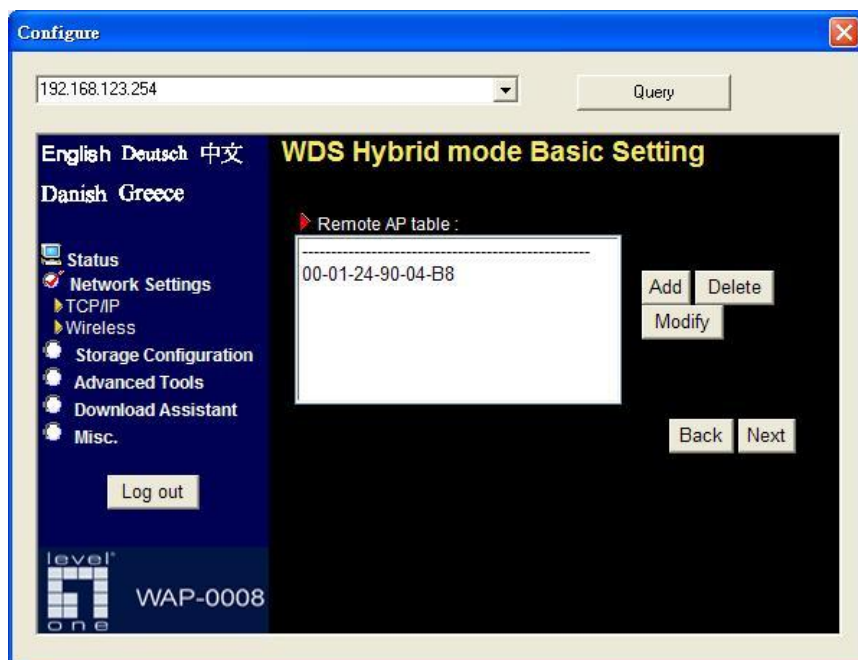


You can select the remote AP from AP list, or you can also input the MAC address of remote AP manually.

NOTE. The channel of Network Storage and remote AP must be the same.



After indicating MAC address of remote AP, press “**Next**” to continue.



Input information of wireless channel, SSID, and encryption method of Network Storage. Press “**Next**” to continue.

NOTE. The wireless channel must be same as remote AP.

The screenshot shows a web-based configuration interface titled "Configure". At the top, there is a text input field containing the IP address "192.168.123.254" and a "Query" button. Below this, the interface is divided into two main sections. On the left is a dark blue sidebar with a menu of options: "English", "Deutsch", "中文", "Danish", and "Greece" at the top; followed by "Status", "Network Settings" (with sub-items "TCP/IP" and "Wireless"), "Storage Configuration", "Advanced Tools", "Download Assistant", and "Misc.". A "Log out" button is located at the bottom of this sidebar. The main content area on the right has a black background and is titled "WDS Hybrid mode AP Basic Setting". It contains two sections: "1. Basic Setting:" with a "Channel" dropdown menu set to "1" and an "SSID" text field containing "WAP-0008"; and "2. Encryption Setting:" with an "Authentication:" label and a row of radio buttons for "None", "WEP", "802.1X", "WPA-PSK", "WPA", and "WPA2-PSK", with "WPA2-PSK" being the selected option. At the bottom right of the main area are three buttons: "Undo", "Back", and "Next". In the bottom left corner of the main area, there is a "level one" logo and the text "WAP-0008".

You can keep the original setting of this page, and then press “**Next**”.

NOTE. Please refer to 3.2.2.1 to review the meanings of this page.

The screenshot shows a web-based configuration interface for a WDS Hybrid mode AP. The window has a blue title bar labeled "Configure". At the top, there is an IP address field showing "192.168.123.254" and a "Query" button. The main content area has a dark blue background with yellow text for the title "WDS Hybrid mode AP Advanced Setting". On the left, there is a sidebar with language options (English, Deutsch, 中文, Danish, Greece) and a menu with icons for Status, Network Settings (with sub-items TCP/IP and Wireless), Storage Configuration, Advanced Tools, Download Assistant, and Misc. Below the menu is a "Log out" button and a logo for "level one" with the text "WAP-0008". The main configuration area lists seven settings: 1. Wireless Mode (radio buttons for 11b/g mixed and 11g only), 2. Beacon interval (text field with 100, range 1~1000, default 100), 3. RTS Threshold (text field with 2347, range 1~2347, default 2347), 4. Fragmentation (text field with 2346, range 256~2346, default 2346, even number only), 5. DTIM interval (text field with 3, range 1~255, default 3), 6. Preamble Type (radio buttons for Long Preamble and Short Preamble), and 7. SSID Broadcast (radio buttons for Disable and Enable). At the bottom, there are three buttons: "Undo", "Basic Setting", and "Next".

Configure

192.168.123.254 Query

English Deutsch 中文
Danish Greece

Status
Network Settings
TCP/IP
Wireless
Storage Configuration
Advanced Tools
Download Assistant
Misc.

Log out

level one WAP-0008

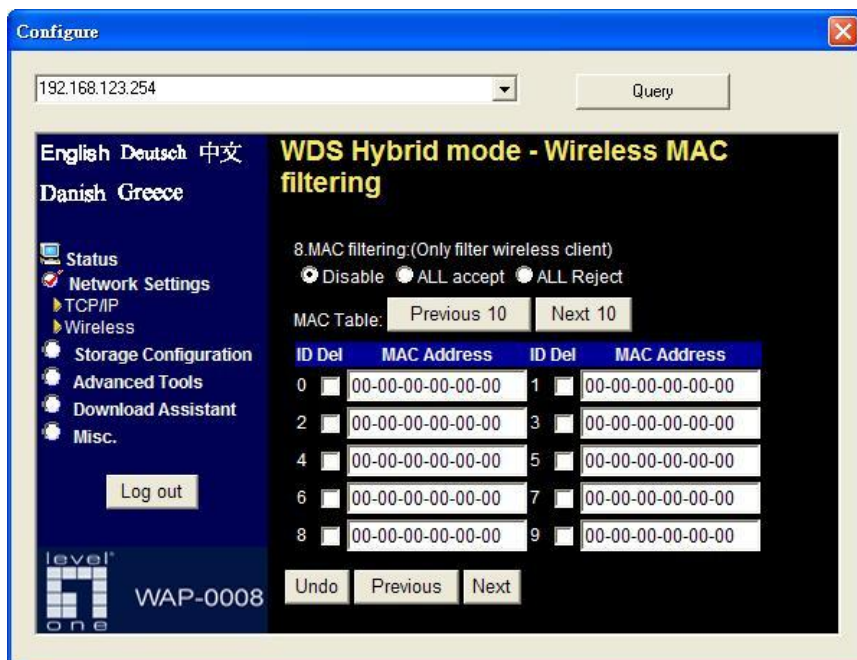
WDS Hybrid mode AP Advanced Setting

1. Wireless Mode : ☒ 11b/g mixed ☐ 11g only
2. Beacon interval : 100 msec (1~1000,default 100)
3. RTS Threshold : 2347 (1~2347,default 2347)
4. Fragmentation : 2346 (256~2346,default 2346,even number only)
5. DTIM interval : 3 (1~255,default 3)
6. Preamble Type : ☒ Long Preamble ☐ Short Preamble
7. SSID Broadcast : ☐ Disable ☒ Enable

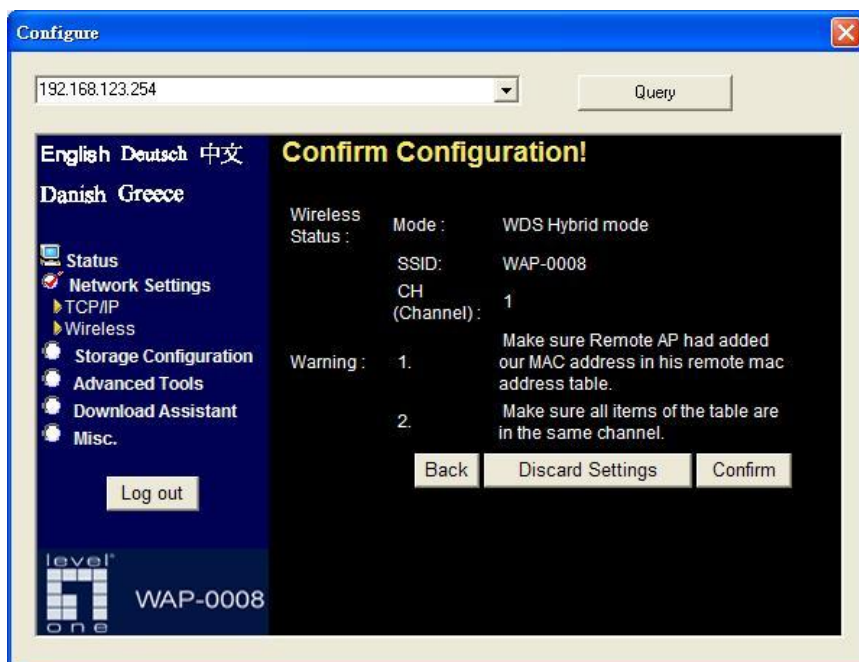
Undo Basic Setting Next

Edit wireless MAC Filtering setting, and then press “**Next**”.

NOTE. Please refer to 3.2.2.1 to review the meanings of this page.

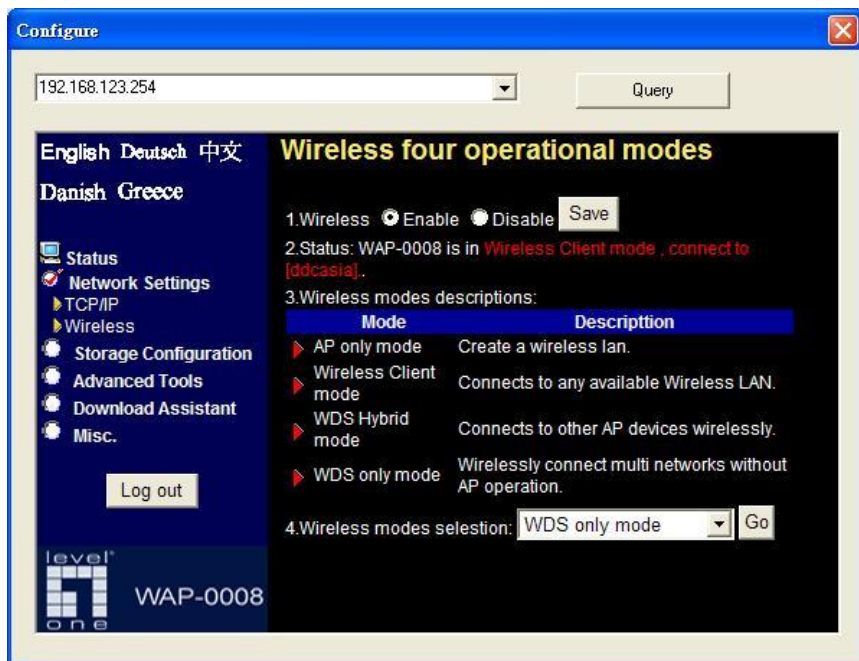


Finally, you could see the confirm page. If every setting is correct, just press **“Confirm”** to save all configurations.

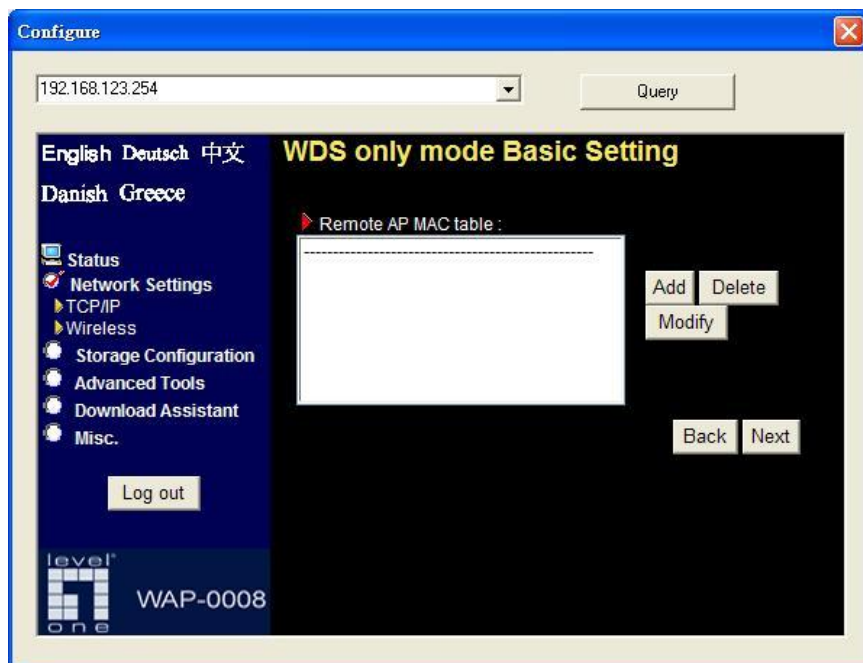


3.2.2.4 WDS Only Mode

Select the “**WDS only mode**”, and click “**Next**” to set up.



After entering the WDS Only mode setting, click “**Add**” to set up.

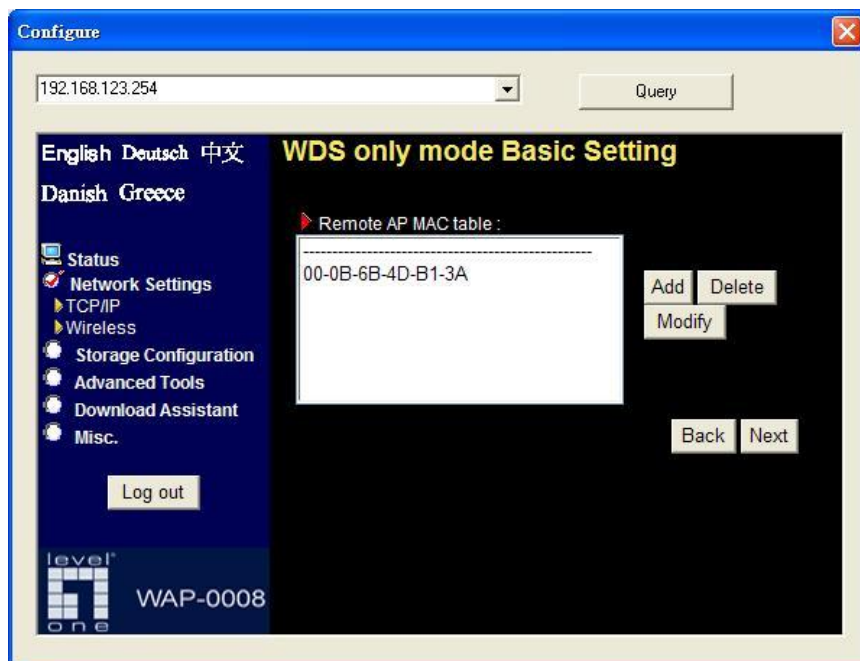


You can select the remote AP from AP list, or you can also input the MAC address of remote AP manually.

NOTE. The channel of Network Storage and remote AP must be the same.

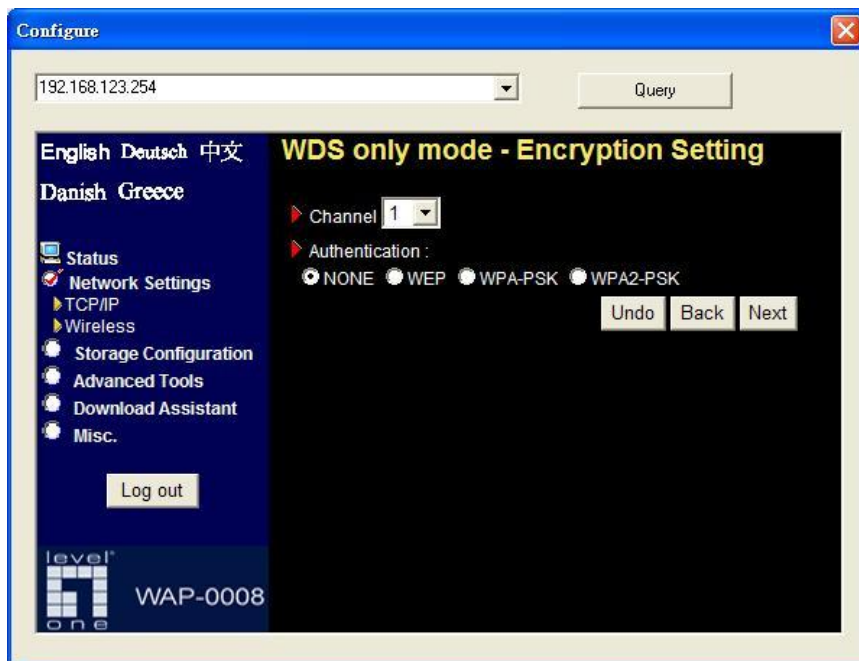


After indicating MAC address of remote AP, press “**Next**” to continue.

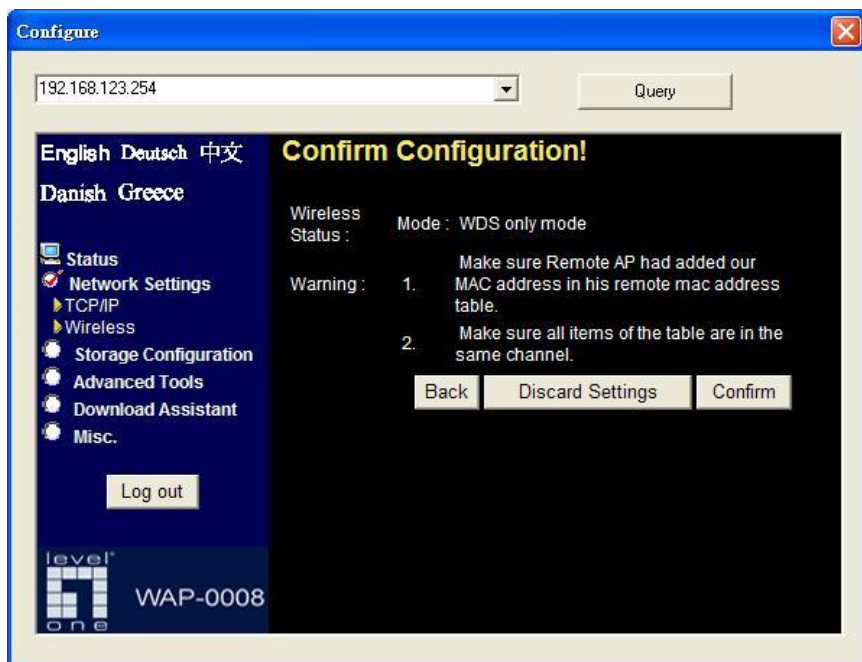


Input information of wireless channel and encryption method of Network Storage. Then press “**Next**” to continue.

NOTE. The wireless channel must be same as remote AP.



Finally, you could see the confirm page. If every setting is correct, just press **“Confirm”** to save all configurations.



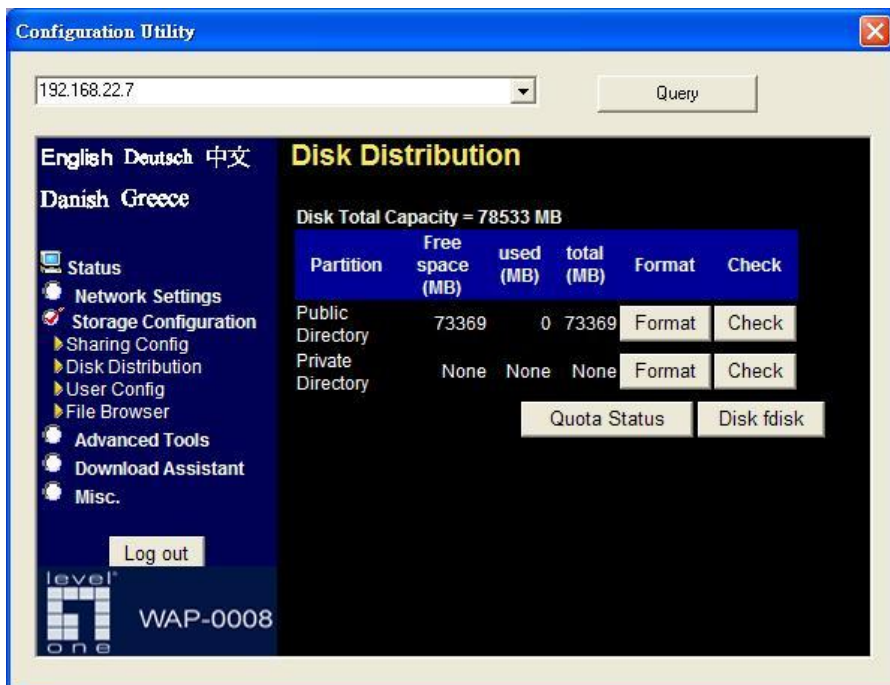
Chapter 4: Storage Configuration

In this section, you will know how to use the “**Disk Utility**” to configure the hard disk setting. Besides, this chapter will also show you how to finish configuration of **File Sharing**, and assign user access rules.

4.1 Disk Utility

Before using the hard disk, users need to format the hard disk first. Click “**Format**” button, and the Network Storage will start to format the hard disk automatically. Once finishing the format, the Network Storage will reboot automatically, and please reconnect the network in 30 seconds.

NOTE. The hard disk will be formatted as “**Ext2**” file system.

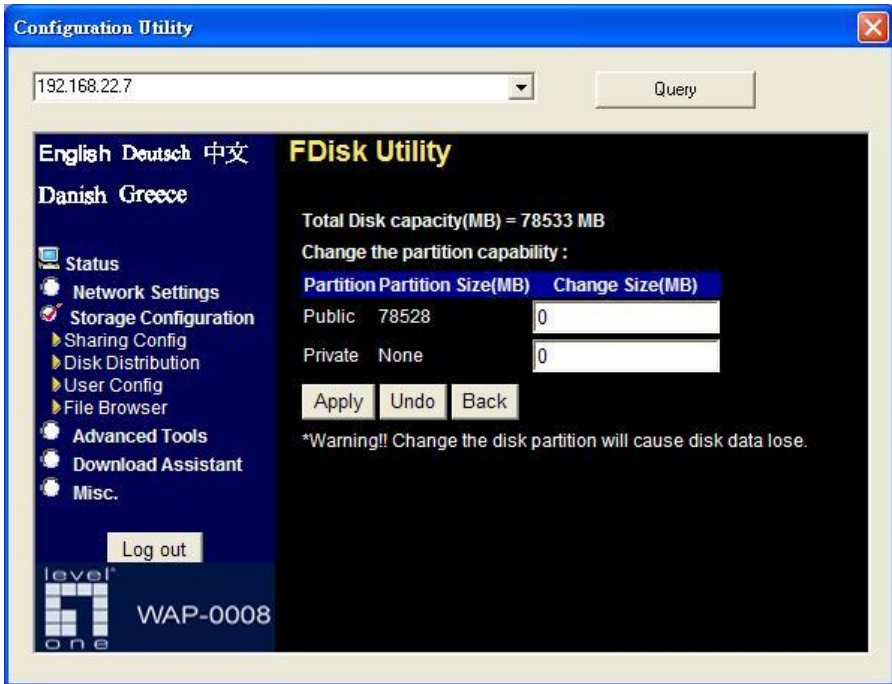


The other option is used for file checking. If you power off Network Storage before normally shut down the system, you are recommended to do this by pressing “**Check**” button. Click “**Disk fdisk**” for entering FDisk Utility to create new partition.

NOTE: Partition can only be created under **Authorization mode**.

Create a new partition

You could also format your hard disk by using **FDISK Utility**.



WARNING:

All data in the hard disk will be ERASED after pressing format button. The hard disk is formatted to Ext2 file system. It can not be connected directly to a Microsoft Windows system without reformatting to other file system that Windows system can recognize.

4.2 File Sharing

In the configuration of File Sharing, you can see the following items:

Computer Name: Host name is the identification of Network Storage when you browse it in Microsoft My Network Places.

WorkGroup: Indicate a workgroup name of Microsoft Network Places.

Server Comment: The comment will be showed when you browse it in Microsoft My Network Places.

Language: Select which language will be used for folder/file name in the hard disk. Incorrect language setting may cause folder/file name unreadable.

FTP Configuration: The FTP server is enabled by default, so you can also access Network Storage by any FTP client utility. Besides, you can also set the maximum concurrent connections of FTP service. The maximum concurrent connections of FTP are limited to 20.

Configuration Utility

192.168.22.7

Query

English Deutsch 中文

Danish Greece

Status

Network Settings

Storage Configuration

Sharing Config

Disk Distribution

User Config

File Browser

Advanced Tools

Download Assistant

Misc.

Log out

level

WAP-0008

one

Sharing Config

Storage Server Configuration :

Computer Name

WAP-0008

WorkGroup

LevelOne

Comment

samba server

Language

United States, Canada (cp437)

Save Undo

Security Level

☐ Guest Only
☒ Authorization User

Save

Quota

☒ Disable
☐ Enable

Save

FTP

☐ Disable
☒ Enable

FTP Max Connection per IP

5

FTP MAX Clients

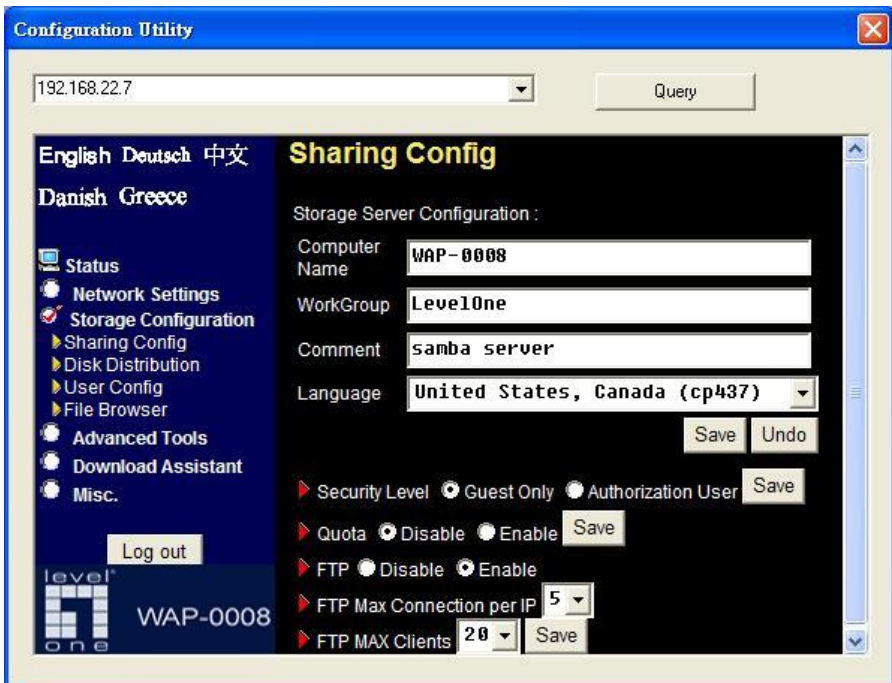
20

Save

4.3 Access Control

The Network Storage can provide two security levels of access control. One is **Guest mode**; it means anyone can access any data which has been stored in the hard disk. With Guest mode, you don't need to edit any user configuration and start to enjoy file sharing.

Note. The security level here is applied to file sharing of Microsoft Network Places and FTP service.

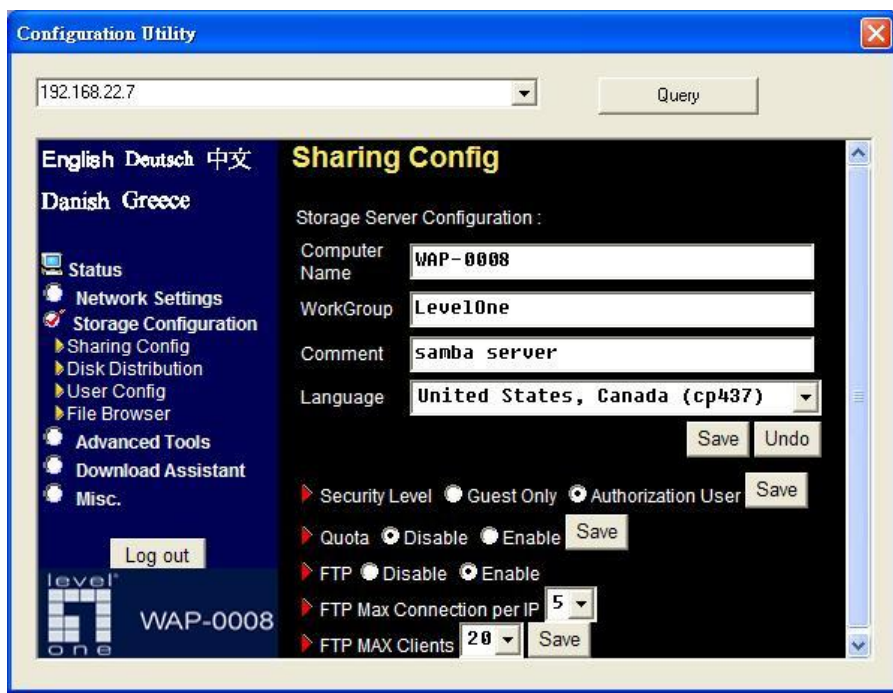


The other is **Authorization mode**, it means only authorized people can access certain folders in the hard disk. With Authorization mode, you need to edit user configuration to assign access right to privileged users. Besides, you can also assign quota limit for every user in the authorization mode.

Note. The hard disk needs to be initialized when you activate authorization mode by first time.

WARNING:

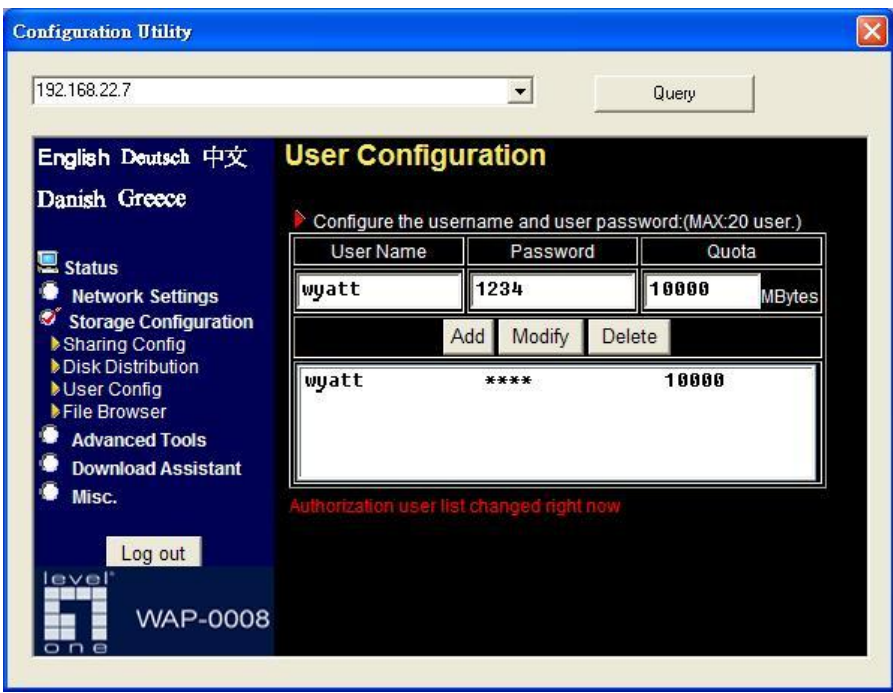
The initialization of hard disk will ERASE all data which have been stored in the hard disk.



User Configuration

With user configuration, you can add or delete user account for privileged user. After you input user name, password, and quota information, just press “Add” button to add user account.

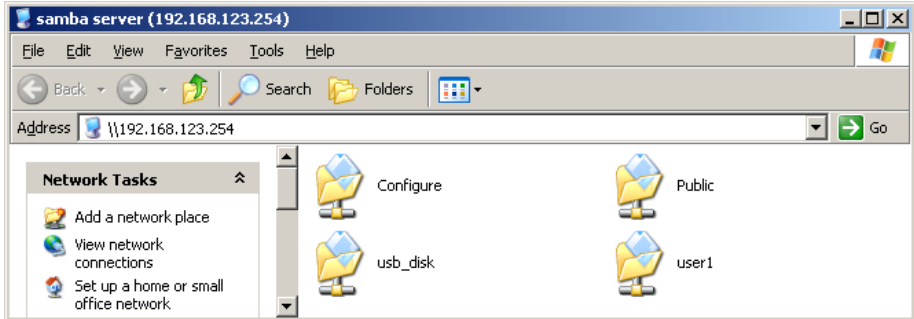
Note. The user information here is applied to file sharing of Microsoft Network Places and FTP service.



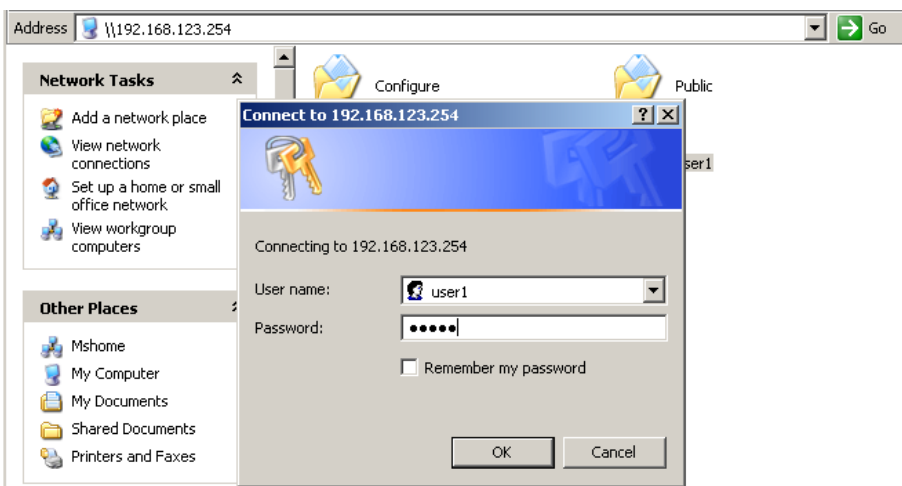
Besides, you can also check the status of used capacity for every user by entering new quota then pressing “Modify” button.

How to access folders in Authorization mode

If you have added a user account (named user1), then you will find the following folders when you browse Network Storage by My Network Places in authorization mode.



With this scenario, everyone can access data which is stored in folder **Public** and **usb_disk**. But only **user1** can access data which is stored in folder **user1**. If you try to access folder user1, an authentication window will pop-up.



4.4 File Browser

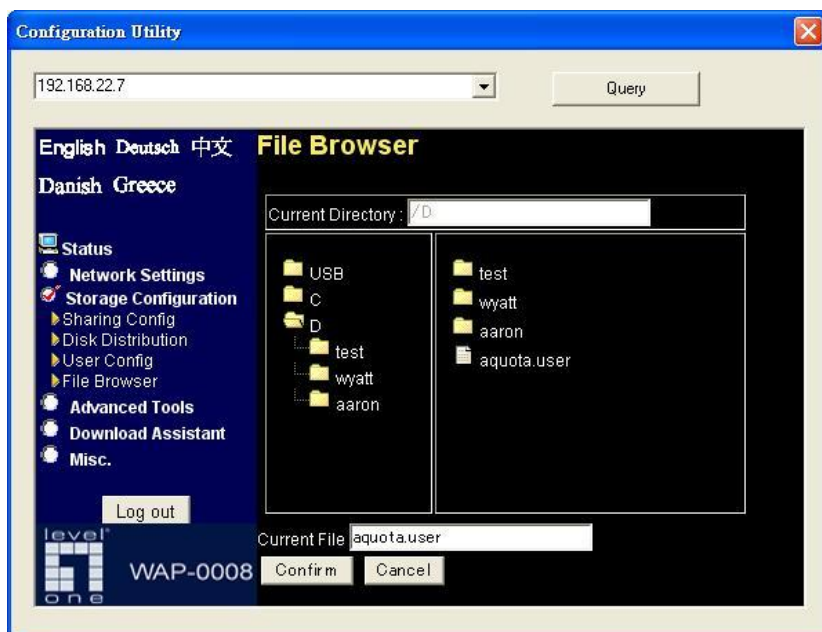
The Network Storage provides a file browser to let users rename and delete folders/files easily. Especially when users can not rename or delete folder/file via FTP or Microsoft My Network Places successfully. For an example, users may download an “unrecognized” file, such as `$#@*2$.avi` from Internet, and they can’t change the file name via My Network Places or FTP. In this case, users can correct the file name with this file browser.

Step 1: Select a folder/file that you want to change name or delete.



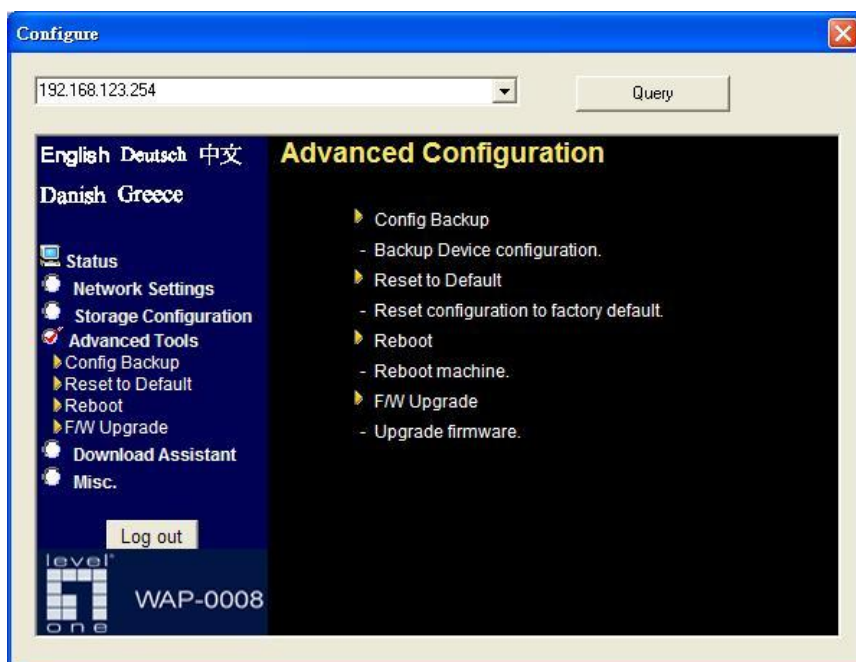
Step 2: Press the “Delete” button if you want to delete that file.

Step 3: Or press the “Rename” button if you want to rename the file name. The field of “Current File” will become editable when pressing “Rename” button. After inputting a new file name, just press “Confirm” button to finish changing.



Chapter 5: Advanced Tools

Click the **Advanced Tools** option on the left panel to display its submenus. The **Advanced Tools** menus enable you to configure the various system settings. Refer to the following sections for more details.



5.1 Backup Configuration

This option enables you to backup current settings of Network Storage.

5.2 Reset Configuration to Default

This option enables you to reset the Network Storage to its default factory settings.

5.3 Reboot

This option enables you to reboot the device.

5.4 Firmware Upgrade

This option enables you to upgrade new firmware, or restore backup configuration to this product.

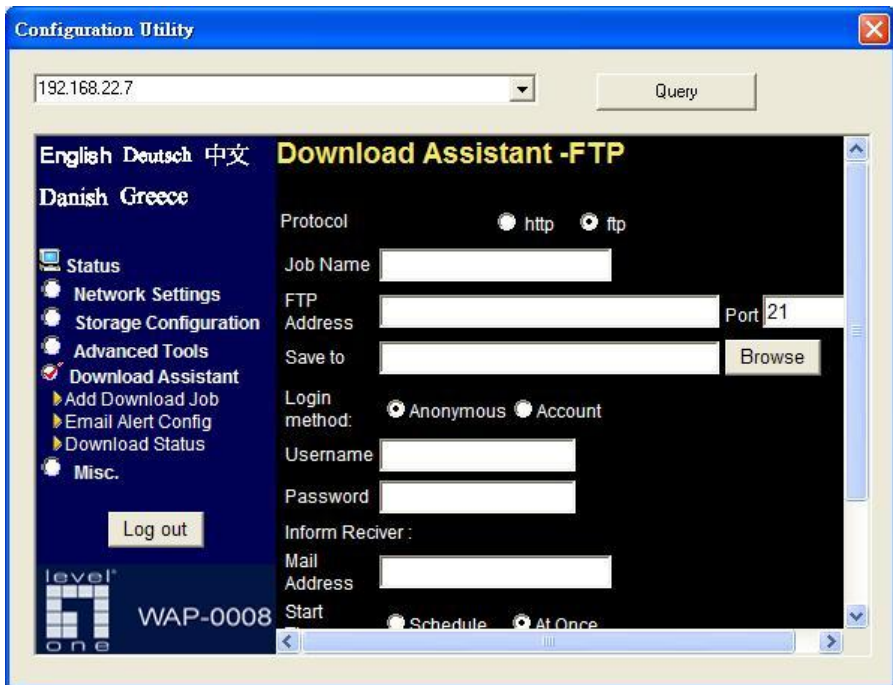


Chapter 6: Download Assistant

With Download Assistant, you can download files from remote server without using any computer. The one thing you need to do is adding a download task in the configuration page. Besides, you can also set a schedule rule to indicate which time the download task will start. As a result, the download task won't disturb your daily work, and can start automatically when you are sleeping. Additionally, the download assistant will send a mail to inform the receiver automatically when the file is downloaded completely.

6.1 FTP

This page allows you to download files from remote FTP server. Please refer to the following description.



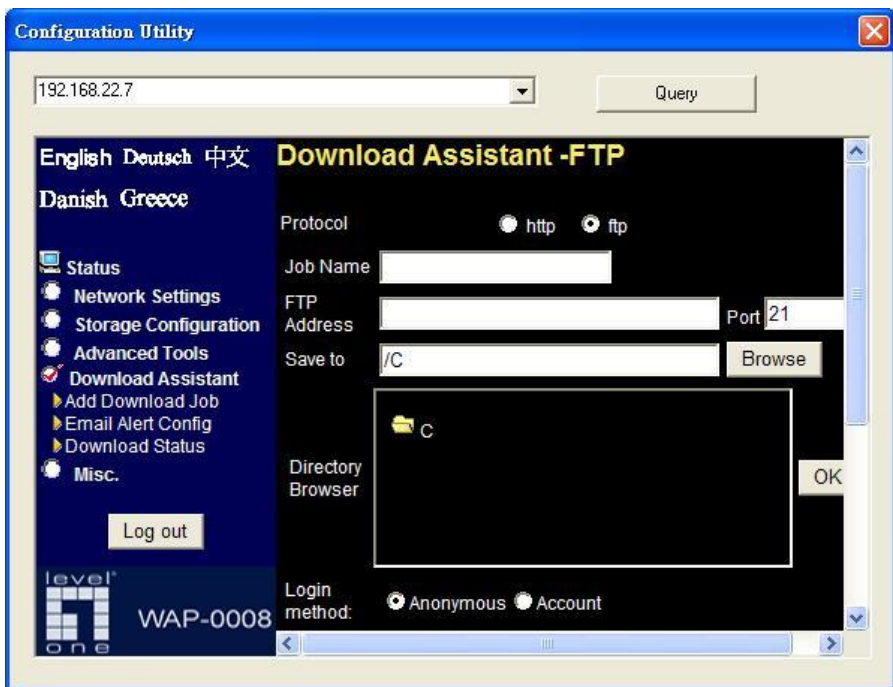
Job Name: Name of download task.

FTP Address: IP address and file path of remote FTP server.

(e.g. ftp://ftp.yahoo.com/file1.avi)

Port: Port number that remote FTP server uses.

Save To: Indicate which folder you will save the file in the hard disk. You can type the file path manually or press **Browse** button to select the destination folder. Press **OK** button when you finish the selection.



Login method: The login method is decided by remote FTP server. You can choose anonymous login or input authorized user name and password.

Inform Receiver: This option is used for mail alert. This device will send a mail to inform the receiver when the file is downloaded completely. You need to indicate the SMTP server, and mail address of receiver. Use “;” to separate different mail addresses.

Start Time: The download task can be started immediately, or assign a schedule rule. You can set the start time to midnight or other time when the network bandwidth is more available.

6.2 HTTP

This page allows you to download files from remote HTTP server. Please refer to the following description.

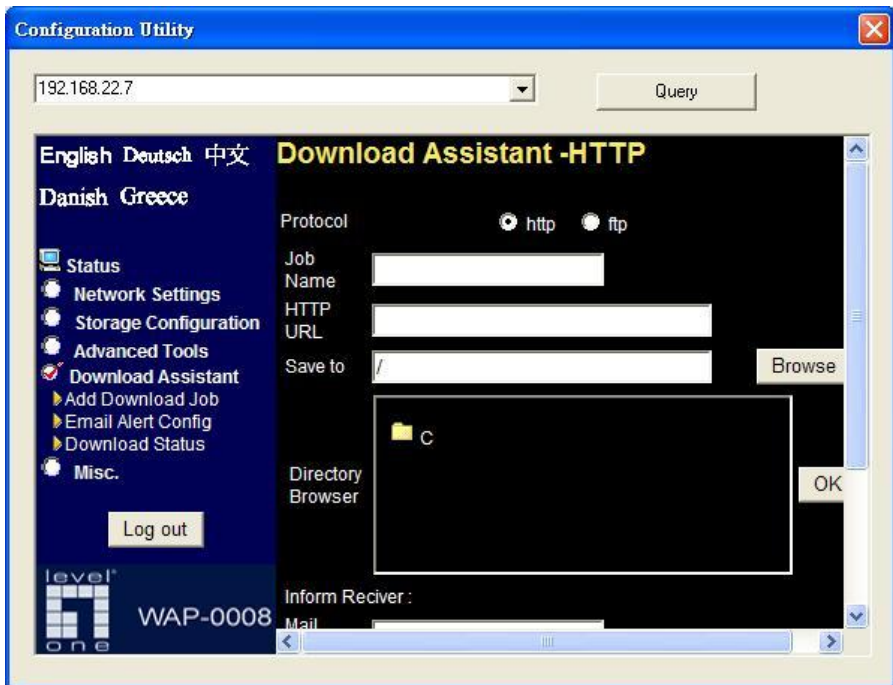
The screenshot shows a window titled "Configuration Utility" with a close button in the top right corner. Inside the window, there is a text field containing "192.168.22.7" and a "Query" button. Below this, the window is divided into two main sections. The left section has a dark blue background and contains language options: "English", "Deutsch", "中文", "Danish", and "Greece". Below these are several menu items: "Status", "Network Settings", "Storage Configuration", "Advanced Tools", "Download Assistant" (which is highlighted), "Add Download Job", "Email Alert Config", "Download Status", and "Misc.". At the bottom of this section is a "Log out" button and a small logo with the text "level one" and "WAP-0008". The right section has a black background and is titled "Download Assistant -HTTP" in yellow. It contains the following fields and controls: "Protocol" with radio buttons for "http" (selected) and "ftp"; "Job Name" with a text input field; "HTTP URL" with a text input field; "Save to" with a text input field and a "Browse" button; "Inform Reciver:" with a "Mail Address" text input field; "Start Time:" with radio buttons for "Schedule" and "At Once" (selected); "Date:" with three dropdown menus showing "7", "Nov", and "2006"; and "Time:" with two dropdown menus showing "10" and "55". At the bottom right of this section are "Save" and "Undo" buttons.

Name: Name of download task.

URL: IP address and file path of remote HTTP server.

(e.g. <http://software.yahoo.com/file1.avi>)

Save To: Indicate which folder you will save the file in the hard disk. You can type the file path manually or press **Browse** button to select the destination folder. Press **OK** button when you finish the selection.



Inform Receiver: This option is used for mail alert. This device will send a mail to inform the receiver when the file is downloaded completely. You need to indicate the SMTP server, and mail address of receiver. Use “;” to separate different mail addresses.

Start Time: The download task can be started immediately, or assign a schedule rule. You can set the start time to midnight or other time when the network bandwidth is more available.

6.3 Email Alert Configuration

The screenshot shows a web-based configuration utility titled "Configuration Utility". At the top, there is a text input field containing "192.168.22.7" and a "Query" button. Below this, the interface is split into two main sections. On the left is a dark blue sidebar with a list of menu items: "English", "Deutsch", "中文", "Danish", "Greece", "Status", "Network Settings", "Storage Configuration", "Advanced Tools", "Download Assistant" (which is expanded to show "Add Download Job", "Email Alert Config", and "Download Status"), and "Misc.". At the bottom of the sidebar is a "Log out" button and a logo for "level one" with the text "WAP-0008". The main content area on the right has a black background with the title "Download Assistant Email Alert Configuration" in yellow. It contains four text input fields labeled "Admin's E-mail Address:", "SMTP Server Address:", "Account Name:", and "Password:". Below these fields are two buttons: "Save" and "Undo".

E-mail Alert Configuration: You need to finish the configuration of E-mail server before mail alert function can be working properly.

Admin's E-mail Address: Please enter an E-mail address that will be used as the sender of e-mail alert feature.

Note. Some mail servers would refuse the mail relay service if the sender isn't on the same mail server.

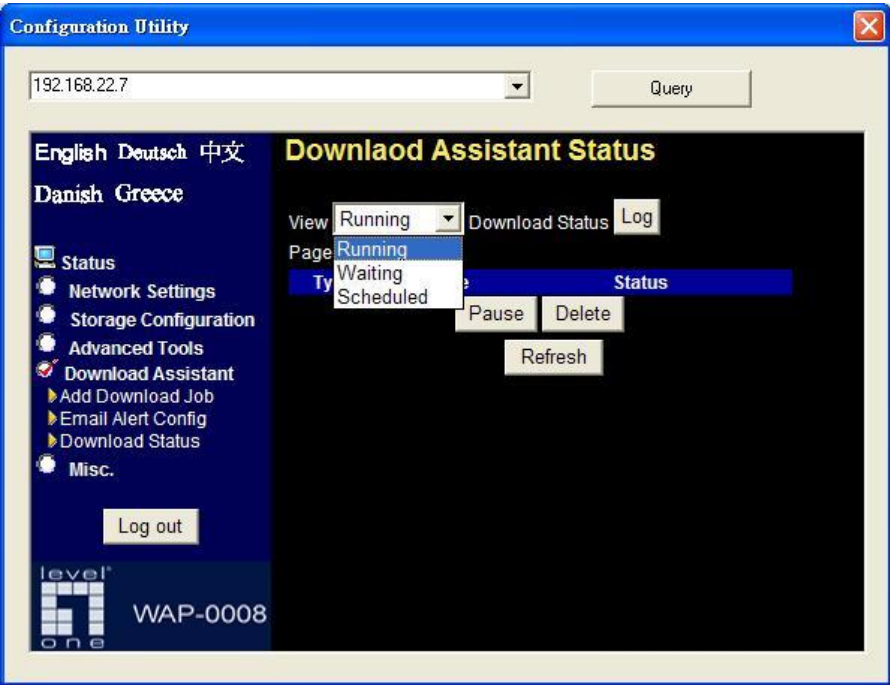
SMTP Server Address: Please enter the IP address or domain name of mail server that you want to use.

Account Name: Please enter your login name of mail server if needed.

Password: Please enter your login password of mail server if needed.

6.4 Download Status

This page displays detailed status of configured download task in Network Storage. The **Running** page contains all download tasks that are running. The **Waiting** page contains download tasks that are ready to run, but the number of current connections is over the maximum limit. So these download tasks won't be started until another connection is available. The **Scheduled** page contains download tasks that are scheduled to run.



Chapter 7: MISC

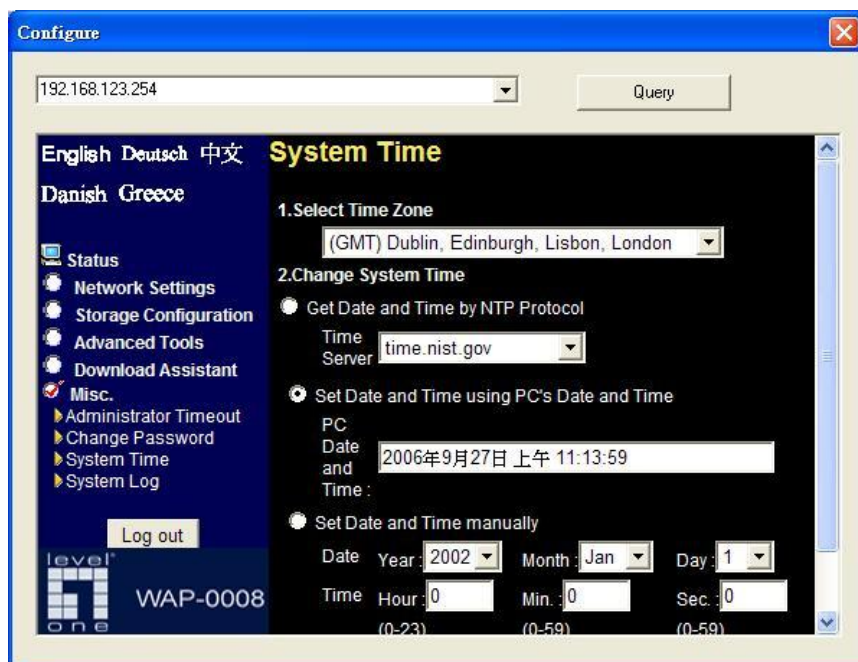
7.1 Time Setting

The **System Time** provides three options for you to select.

Get Date and Time by NTP Protocol: synchronize the date and time with Internet NTP server.

Set Date and Time using PC's Date and Time: synchronize the date and time with the computer.

Set Date and Time manually: Manually setting up the date and time.



7.2 Login Setting

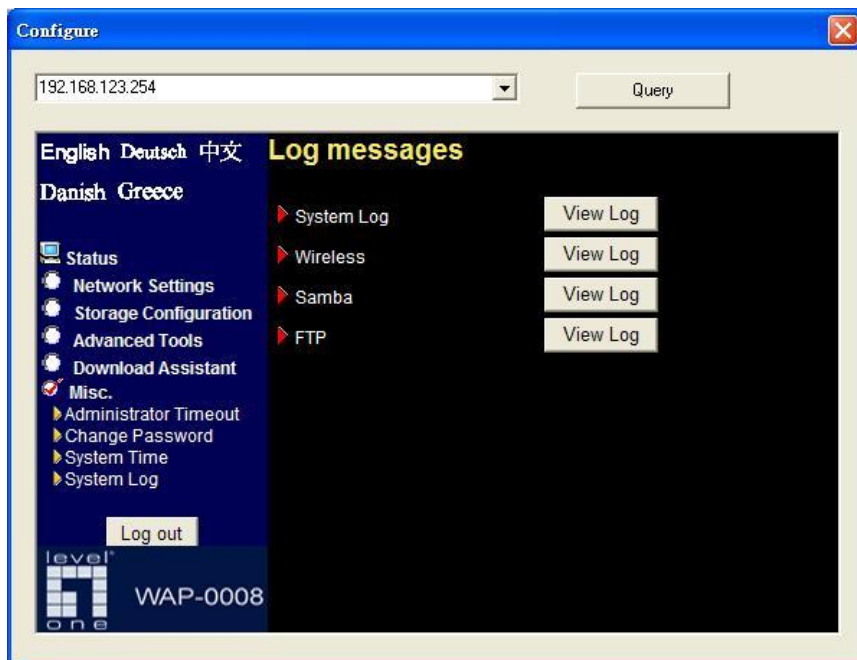
Administrator Timeout: If users login, and idles for a period of time (the default value is 600 seconds), then that user will be logged out automatically. Set this value to “0” to disable this feature.

Change Password: To change the login password, you have to enter the old password and confirm the new password twice.



7.3 System Log

Logs are useful for troubleshooting, and you can review the whole system logs here. There are four categories of logs: **System Log**, **Wireless**, **Samba**, and **FTP**.



Chapter 8: FAQ & Trouble Shooting

8.1 What can I do when I have some trouble?

1. How do I connect to Network Storage?

A: Please prepare one RJ45 cable and connect the LAN port directly. The Network Storage already supports MDI/MDIX.

2. How to “Reset settings to default”?

A: Press the buttons of “Shutdown” and “Backup” simultaneously over 6 seconds to reset the system to the factory default setting.

3. What can I do if I forget login password?

A: Please refer to question 2 above to reset setting to default. The default login password is **admin**.

4. When I login the storage of Network Storage via My Network Places, but I can not find any files of folders even if I have plugged HDD in Network Storage.

A: First, check your HDD status LED. If the hard disk is correctly connected, the HDD status LED will flash. If the LED didn't flash, maybe you forget to format the new hard disk before using it, or maybe the hard disk is not connected correctly, or maybe the hard disk is corrupted.

Note. This Network Storage supports FAT/FAT32/Ext2 file systems. If the file system of HDD is NTFS, the device just can read files and can

not copy any files to any NTFS folders.

5. No matter what I do, I can not configure Network Storage even if I setup fixed IP and can search or Ping to Network Storage.

A: Please check the Status LED or HDD LED. If normal, they will be flash. Otherwise, reset the settings to factory default and try it again.

6. I can not save the file which size is large than 2GB.

A: Please check the file system of your hard disk. This problem will occur if the file system is FAT or FAT32. Convert file system to Ext2 can solve this problem. The format utility of Network Storage will format HDD to ext2.

7. I can't access the shared folder with Microsoft Windows 98/Me.

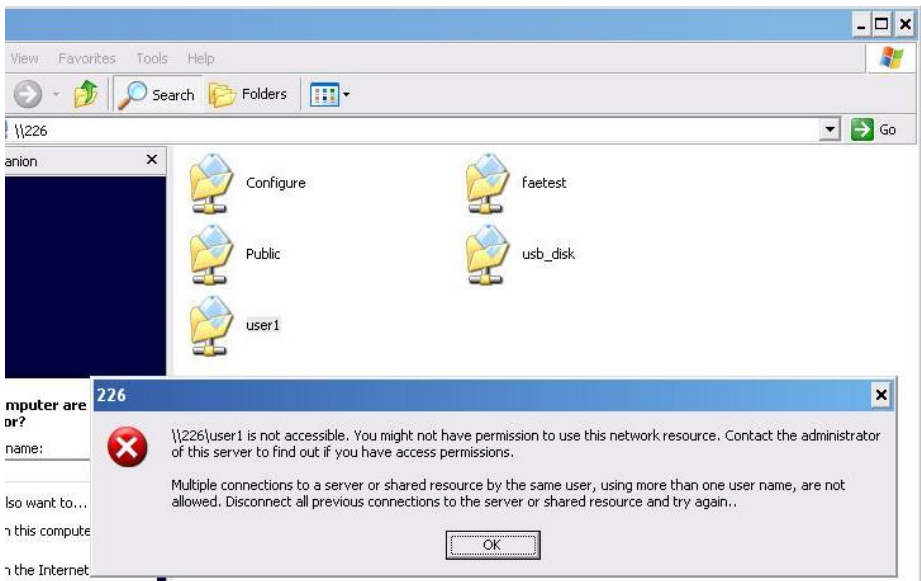
A: If you use Microsoft Windows 98/Me, and want to access the authorized folder, you **MUST** have the same account and password in the Network Storage and your computer.

8. Why do I see the wrong folder/file name in My Network Places?

A: Please select the proper language as you need.

9. Why can't I access the file from My Network Places after enabling Authorization mode?

A: Sometimes I can't access folders via My Network Places by using correct user name and password, such as shown below:



This is because Windows system caches the previous login records, so that user can not use another account to login this device. To solve this problem, please disconnect previous network drive first.



After deleting previous record, please try to login again.

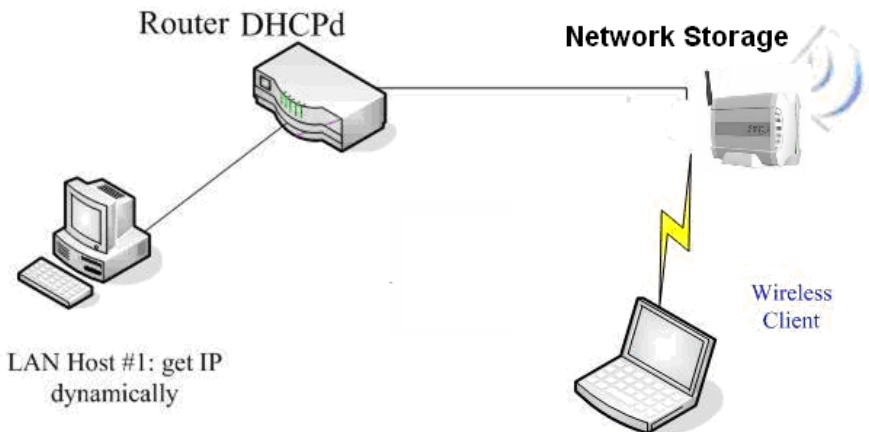
8.2 How to setup wireless function?

1. How can I use the wireless function?

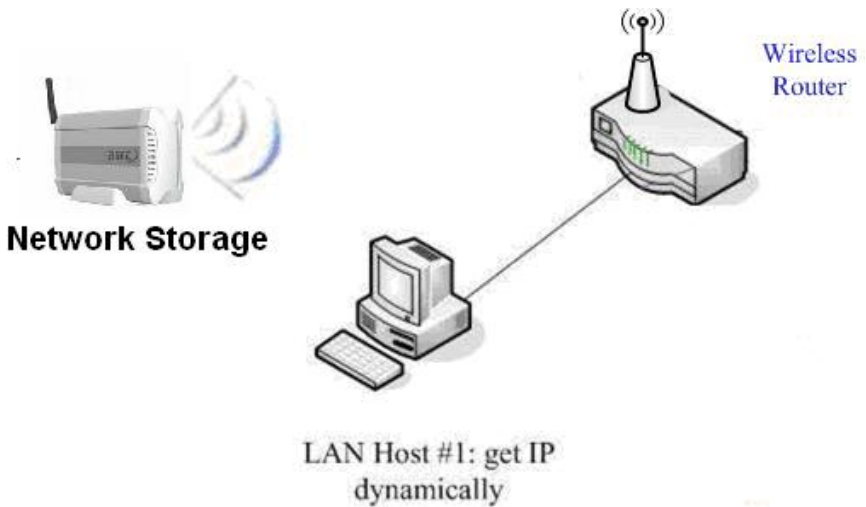
A: Generally speaking, there are four modes to setup in this device. The most common function is “AP mode”. The user can make this device as a wireless AP device as follows.

AP mode:

First, the wireless client sets up the same SSID with Network Storage and get IP address from another gateway router. Then the wireless client can associate the network or roam Internet via Network Storage.



Wireless Client Mode: First, you need to connect your computer to Network Storage via a RJ45 cable. Then use Scan AP feature of Network Storage to connect to another wireless router. After Network Storage connect to wireless router, your computer can communicate with LAN Host#1 via Network Storage.



WDS only mode: WDS→Wireless Distribution system. This device also supports this function. How to configure this in your environment? The below Figure1 is for your reference. First, check which channel you want to use. We choose channel 10 for the example. Scan other AP which channel is 10 and also supports WDS function. Second, add the wireless MAC address of Network Storage in this Wireless Router # 2. (Figure2). And use Scan AP to find the wireless which SSID is “WR-2” and join it in the list. Finally, LAN-Host #1 can find Wireless Router #2 and LAN-Host #2.

Figure 1:

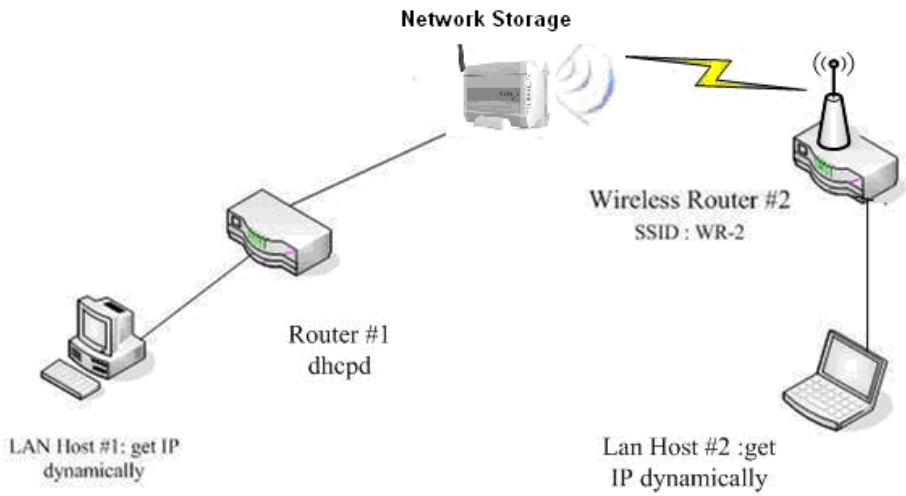
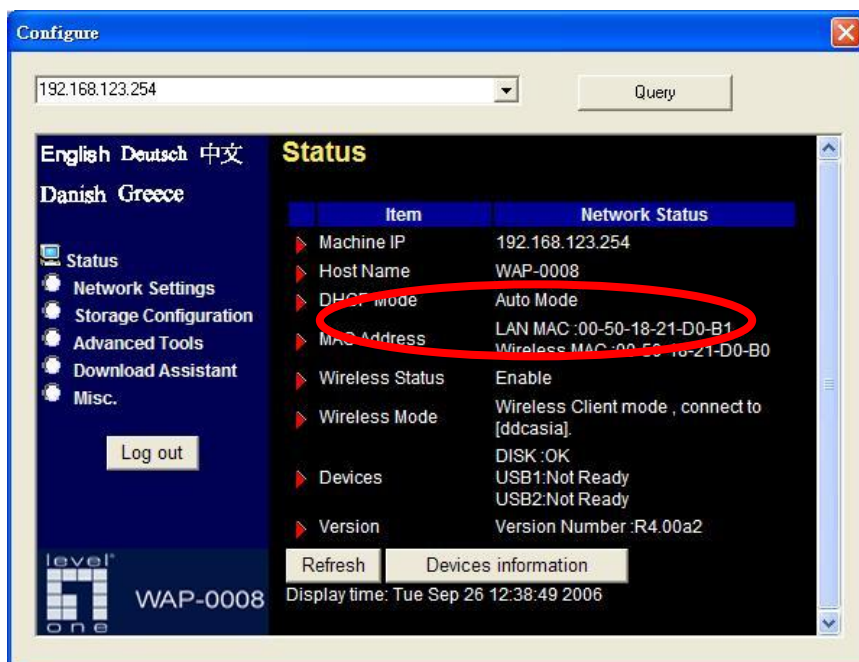
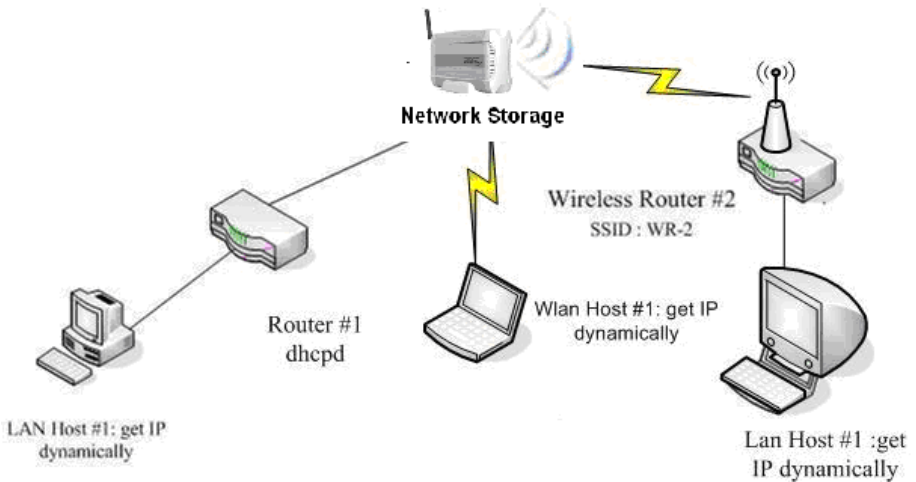


Figure 2:



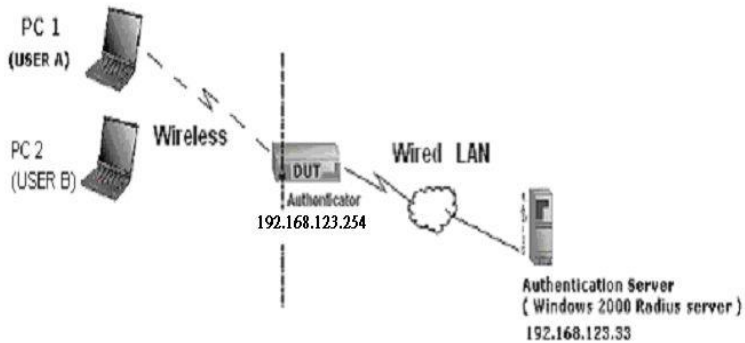
WDS Hybrid mode: This device also supports WDS and AP mode at the same time. How to configure this in your environment? The below figure is for your reference.



For the WDS setting, please refer to the above WDS only mode.

For AP setting, please refer to the AP mode.

2. How to configure 802.1x or WPA with RADIUS server?



NOTE.

Windows 2000 RADIUS server only supports PEAP after upgrade to service pack 3 and HotFix Q313664 (*You can get more information from <http://support.microsoft.com/default.aspx?scid=kb;en-us;313664>*)

DUT Configuration:

1. Enable DHCP server.
2. WAN setting: static IP address.
3. LAN IP address: 192.168.123.254/24.
4. Set RADIUS server IP.
5. Set RADIUS server shared key.
6. Configure WEP key and 802.1X setting.

The following test will use the built-in 802.1X authentication method such as EAP_TLS, PEAP_CHAPv2 (Windows XP with SP1 only), and PEAP_TLS (Windows XP with SP1 only) using the Smart Card or other Certificate of the Windows XP Professional.

■ DUT and Windows 2000 RADIUS Server Setup

1. Setup Windows 2000 RADIUS Server. We have to change authentication method to MD5_Challenge or using smart card or other certificate on RADIUS server according to the test condition.
2. Setup DUT
 - ✓ Enable the 802.1X (check the “Enable checkbox”).
 - ✓ Enter the RADIUS server IP.
 - ✓ Enter the shared key. (The key shared by the RADIUS server and DUT).
 - ✓ We will change 802.1X encryption key length to fit the variable test condition.
3. Setup Network adapter on PC
 - ✓ Choose the IEEE 802.1X as the authentication method. (Figure 2)

NOTE. Figure 2 is a setting picture of Windows XP without service pack 1. If users upgrade to service pack 1, then they can't see MD5-Challenge from EAP type list any more, but they will get a new Protected EAP (PEAP) option.

- ✓ Choose MD5-Challenge or Smart Card or other Certificate as the EAP type.
- ✓ If choose to use smart card or the certificate as the EAP type, we select to use certificate on this computer.
- ✓ We will change EAP type to fit the variable test condition.

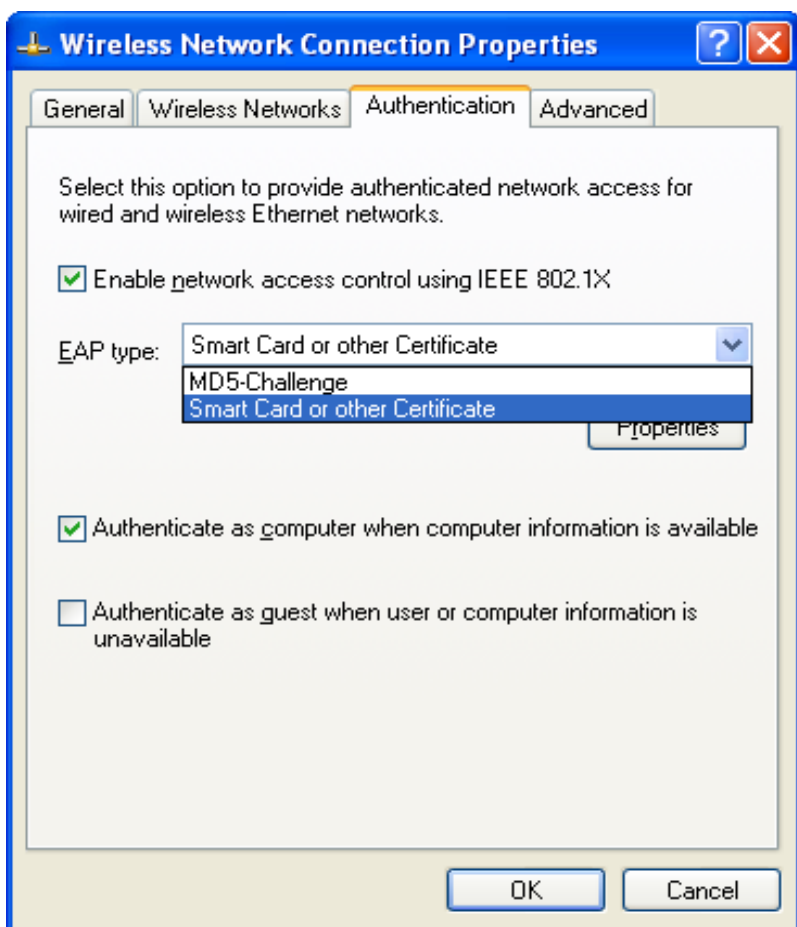


Figure 2: Enable IEEE 802.1X access control

- Windows 2000 RADIUS server Authentication testing:
 1. DUT authenticate PC1 using certificate. (PC2 follows the same test procedures.)
 2. Download and install the certificate on PC1. (Figure 3)
 3. PC1 choose the SSID of DUT as the Access Point.
 4. Set authentication type of wireless client and RADIUS server both to EAP_TLS.
 5. Disable the wireless connection and enable again.
 6. The DUT will send the user's certificate to the RADIUS server, and then send the message of authentication result to PC1. (Figure 4)
 7. Windows XP will prompt that the authentication process is success or fail and end the authentication procedure. (Figure 5)
 8. Terminate the test steps when PC1 get dynamic IP and PING remote host successfully.

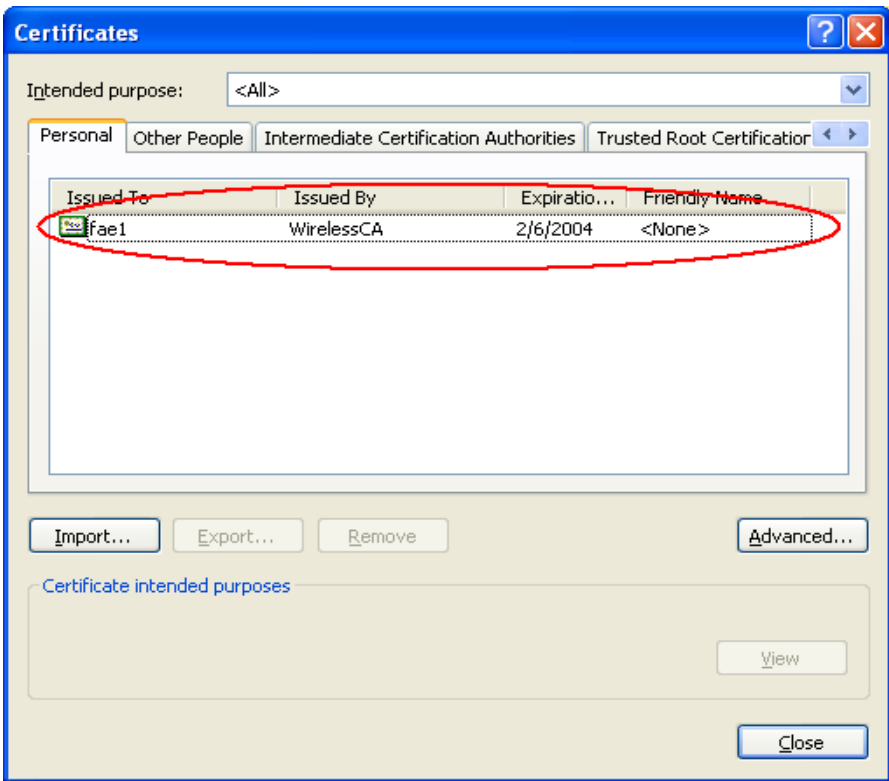


Figure 3: Certificate information on PC1

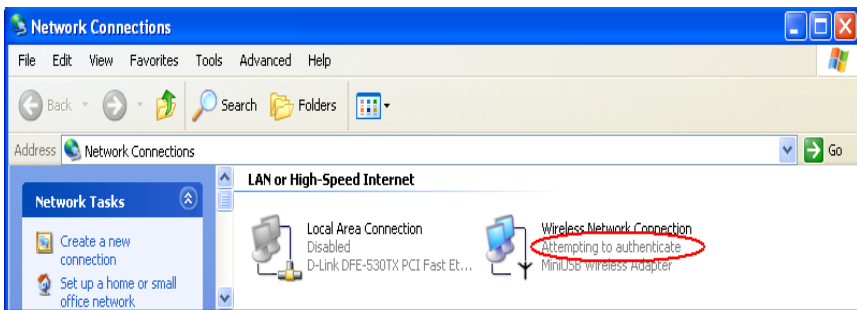


Figure 4: Authenticating

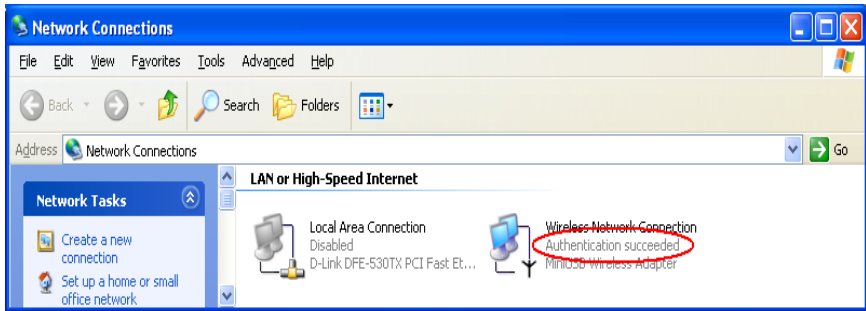


Figure 5: Authentication success

- DUT authenticate PC2 using PEAP-TLS.
 1. PC2 choose the SSID of DUT as the Access Point.
 2. Set authentication type of wireless client and RADIUS server both to PEAP_TLS.
 3. Disable the wireless connection and enable again.
 4. The DUT will send the user's certificate to the RADIUS server, and then send the message of authentication result to PC2.
 5. Windows XP will prompt that the authentication process is success or fail and end the authentication procedure.
 6. Terminate the test steps when PC2 get dynamic IP and PING remote host successfully.

8.3 How to map network drive in Windows?

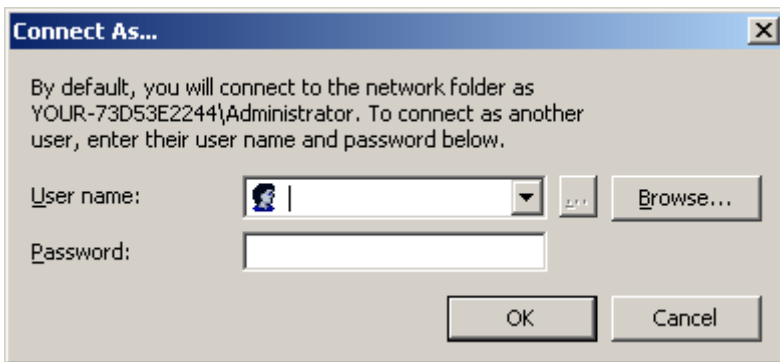
Mapping a network drive to a virtual drive in your computer can help you access that drive easily. After finishing mapping, the virtual drive will appear when you launch **My Computer** in Windows.

Step 1: Search Network Storage in Windows My Network Places. The default host name of Network Storage is **WAP-0008**.

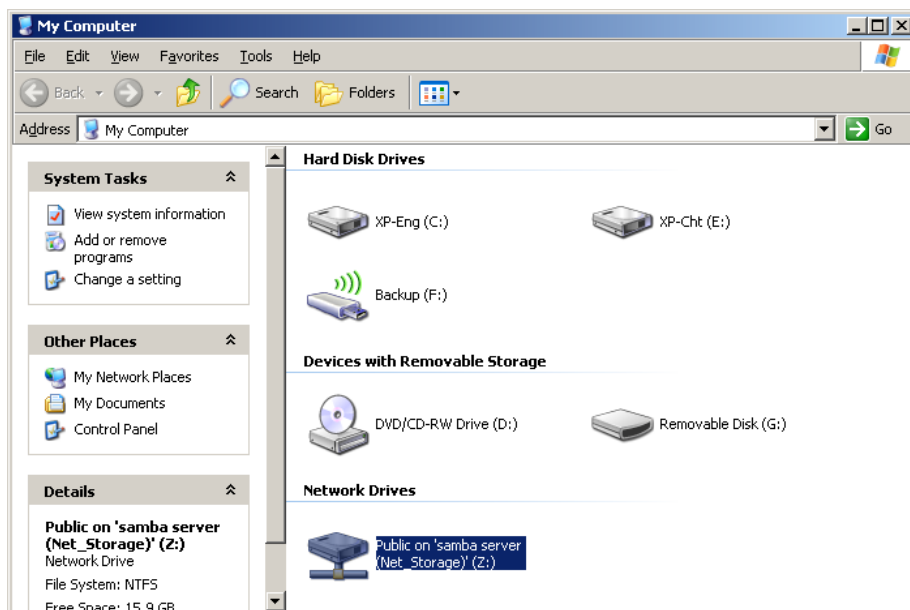
Step 2: After find the Network Storage, double click on the icon. Right click on the folder which you want to map, and choose **Map Network Drive**.

Step 3: Select the prompt of this drive that you like. Then press **Finish** button to close the dialogue window.

If the folder can only be accessed by authorized user, then you need to click “**Connect using a different user name**”, and input authorized user name and password.

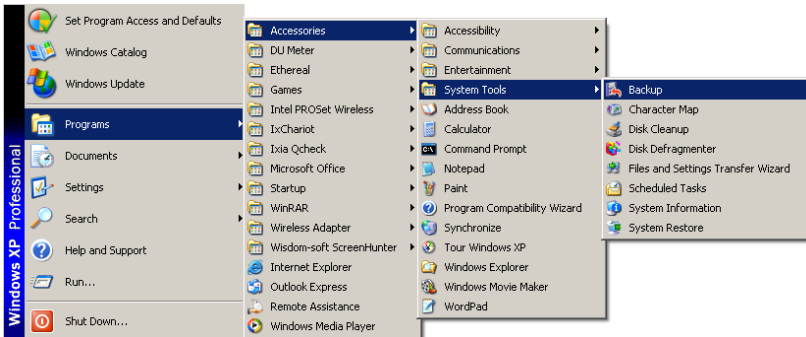


Step 4: After finish drive mapping, you can find an additional **Z** drive in **My Computer** group. Then you can access network drive via **Z** drive, and don't need to search network drive every time.



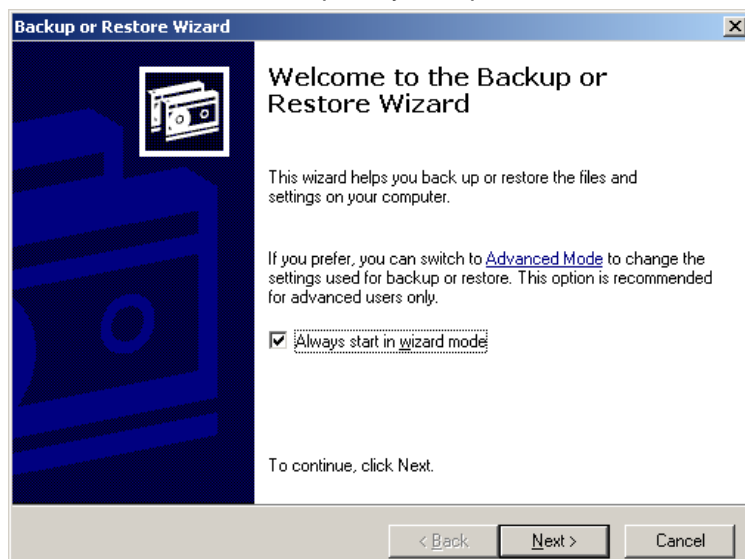
8.4 How to backup data by using Microsoft backup utility?

The backup utility is installed and ready for use if you use Windows XP Professional edition. Otherwise, if you use Windows XP Home edition, please install **Ntbackup.msi** from Windows installation CD first.

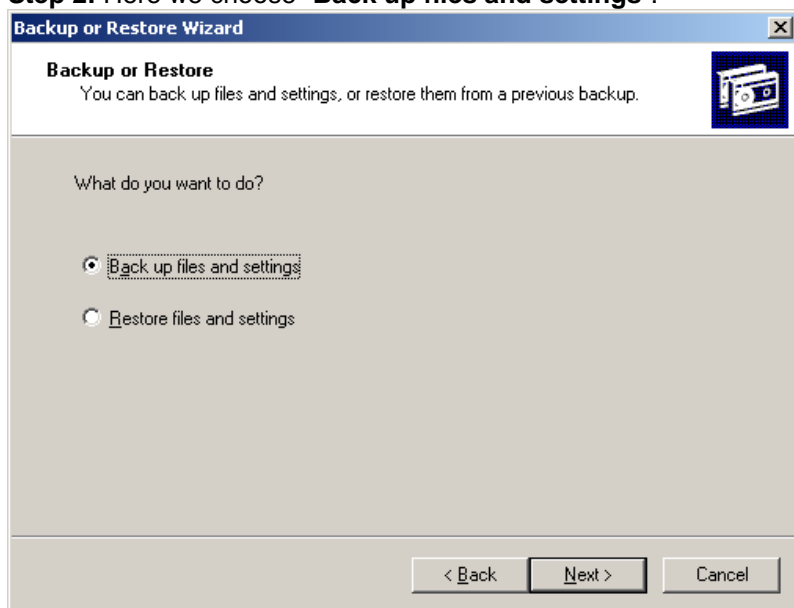


Step 1: Please refer to 8.3 to map a network drive of Network Storage first.

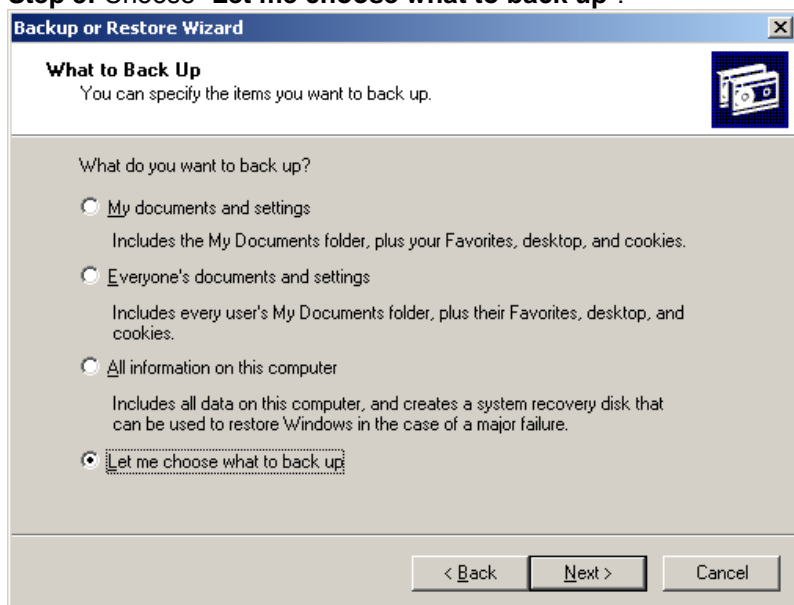
Then start Windows backup utility, and press next button to continue.



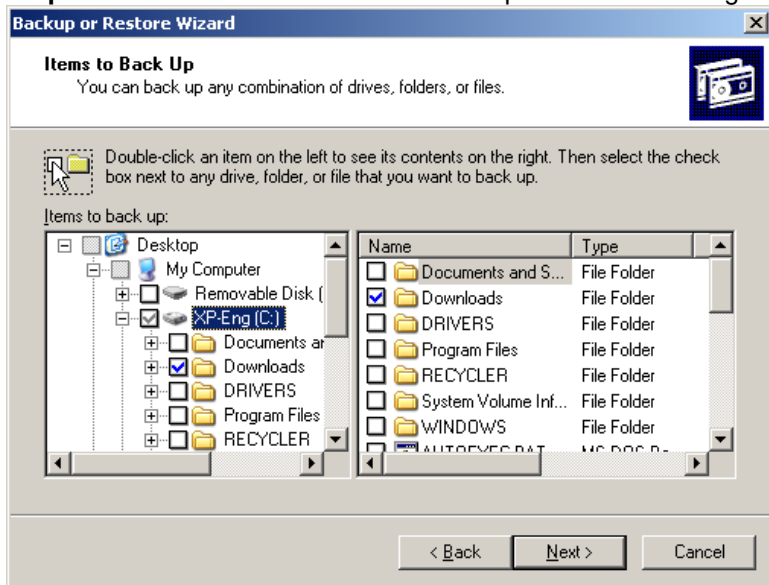
Step 2: Here we choose “**Back up files and settings**”.



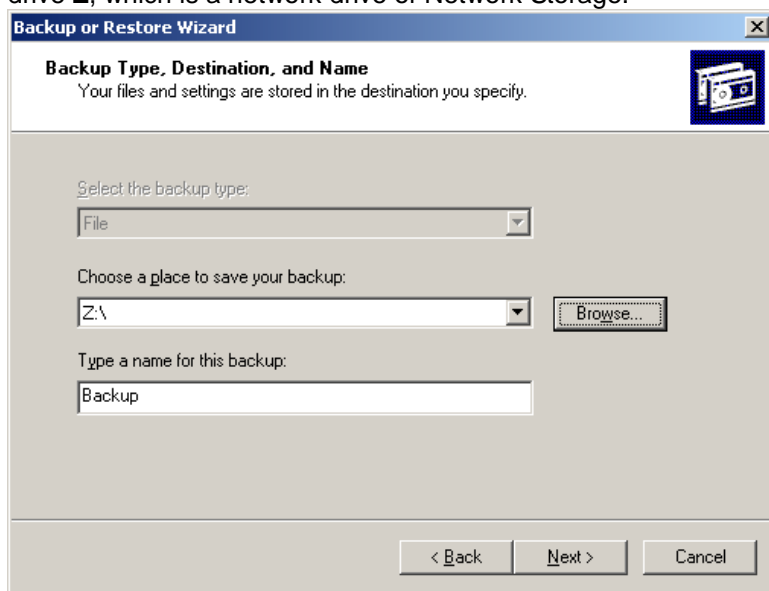
Step 3: Choose “Let me choose what to back up”.



Step 4: Choose which folder will be backup to Network Storage.



Step 5: Choose the destination that you will save files. Here we choose drive Z, which is a network drive of Network Storage.



The screenshot shows the 'Backup or Restore Wizard' window. The title bar reads 'Backup or Restore Wizard'. The main heading is 'Backup Type, Destination, and Name'. Below this, a subtitle states: 'Your files and settings are stored in the destination you specify.' There is a small icon of a tape drive in the top right corner. The main area contains three sections: 'Select the backup type:' with a dropdown menu set to 'File'; 'Choose a place to save your backup:' with a dropdown menu set to 'Z:\' and a 'Browse...' button to its right; and 'Type a name for this backup:' with a text box containing 'Backup'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Backup or Restore Wizard

Backup Type, Destination, and Name
Your files and settings are stored in the destination you specify.

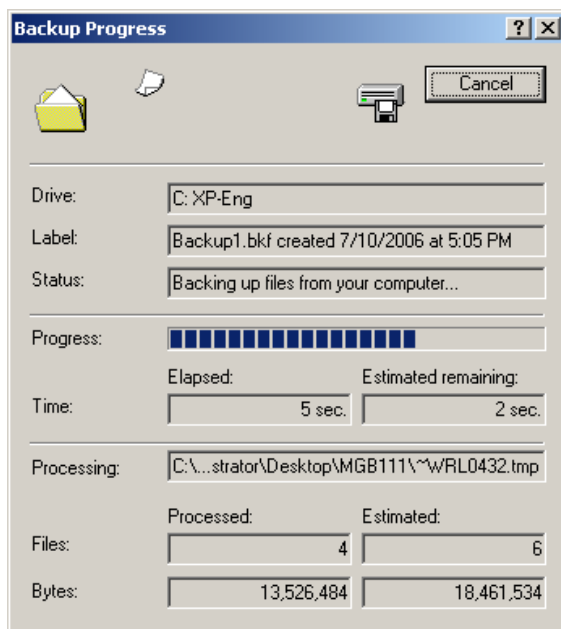
Select the backup type:
File

Choose a place to save your backup:
Z:\ Browse...

Type a name for this backup:
Backup

< Back Next > Cancel

Step 6: Finally, press **Finish** button to start backup right now. Otherwise, press **Advanced** button to set a schedule rule for this backup task.



Appendix A: Licensing Information

This product includes copyrighted third-party software licensed under the terms of the GNU General Public License. Please refer to the GNU General Public License below to check the detailed terms of this license.

The following parts of this product are subject to the GNU GPL, and those software packages are copyright by their respective authors.

- Linux-2.4.28 system kernel
- busybox_1_00_rc2
- bridge-utils 0.9.5
- dhcpcd-1.3
- ISC DHCP V2 P5
- util-linux 2.12b for fdisk application
- e2fsprogs 1.27
- mini-lpd
- samba 2.2.7a
- syslogd spread from busybox
- wireless tools
- ntpclient of NTP client implementation
- RT61apd for 802.1X application
- vsftpd-2.0.3
- quota-tools 3.13
- GNU Wget

This product incorporates open source code into the software and therefore falls under the guidelines governed by the General Public License (GPL) agreement.

Adhering to the GPL requirements, the open source code and open source license for the source code are available for free download at <http://global.level1.com>.

If you would like a copy of the GPL or other open source code in this software on a physical CD medium, LevelOne (Digital Data

Communications) offers to mail this CD to you upon request, for a price of US\$9.99 plus the cost of shipping.

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Library General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that

everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any

such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is

interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that

contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later

version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Regulatory Approvals

CE Standards

This product complies with the 99/5/EEC directives, including the following safety and EMC standards:

- EN300328-2
- EN301489-1/-17
- EN60950

CE Marking Warning

Hereby, Digital Data Communications, declares that this (Model-no.

WAP-0008) is in compliance with the essential requirements and other

relevant provisions of Directive 1999/5/EC.

The CE-Declaration of Conformity can be downloaded at:

<http://www.levelone.eu/support.php>

