

USB2.0 (Wireless) Network File Server

User's Manual

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Made in Taiwan

TABLE OF CONTENTS

ABOUT THIS GUIDE	4
1. INTRODUCTION.....	5
GENERAL FEATURES	6
PACKAGE CONTENTS	7
PRODUCT VIEW.....	8
LEDs	9
Buttons.....	10
2. INSTALLATION	11
NETWORKING APPLICATION	11
INSTALLING THE FILE SERVER	12
Connecting to the Network.....	12
Connecting to a Client Workstation.....	12
Expanding the USB Devices.....	12
USING THE FILE SERVER	13
Configuring a Dynamic IP Address.....	13
Accessing the File Server.....	16
EASY SEARCH.....	18
3. WEB CONFIGURATION.....	21
WEB CONFIGURATION UTILITY	21
CONFIGURATION - BASIC.....	23
Basic → LAN.....	23
Basic → Samba	24

Basic → Time Zone	25
CONFIGURATION - ADVANCED	26
Advanced → Account	26
Advanced → Samba	28
Advanced → LAN	29
Advanced → Wireless (for wireless model)	30
Advanced → Time Zone	32
Advanced → FTP Server	33
Advanced → Status	35
CONFIGURATION - MAINTENANCE	36
Maintenance → Firmware Upload	36
Maintenance → Configuration	37
CONFIGURATION - LOGOUT	38
4. DOWNLOADING FILES THROUGH FILE SERVER	39
ENTERING DOWNLOAD PAGE	39
DOWNLOAD SCHEDULING	41
SCHEDULE LIST	43
LOGOUT	44
5. PRODUCT SPECIFICATION	45
Standards	45
Connecting Ports	45
Buttons	45
LEDs	46
Management	46
Operating System Support	46
Environmental and Physical	46
EMI Compliance	46

ABOUT THIS GUIDE

This manual provides instructions and illustrations on how to use your USB2.0 (Wireless) Network File Server, including:

- Chapter 1, **Introduction**, provides the general information on the product.
- Chapter 2, **Installation**, describes the hardware installation procedure for the product, and how to access to the file server.
- Chapter 3, **Web Configuration**, completes the configuration using the web browser.
- Chapter 4, **Downloading Files**, helps you to set up downloading schedule.
- Chapter 5, **Product Specification**.

Please note that the illustrations or setting values in this manual are **FOR YOUR REFERENCE ONLY**. The actual settings and values depend on your system and network. If you are not sure about the respective information, please ask your network administrator or MIS staff for help.

INTRODUCTION

Congratulations on purchasing your USB2.0 (Wireless) Network File Server, the easiest and fastest way to share data, file, and resource in your network.

This entry-level file server is the value-added equipment in your network that allows you to control file-sharing needs within a small office/home office (SOHO) environment. With expandable function (through its two USB ports) in a compact form-factor, the USB2.0 (Wireless) Network File Server is ideal for sharing data, rich-media files, and for storage in a small office, remote corporate office or residential gateway environments.

General Features

- ◆ Compact-sized design.
- ◆ Compliant with USB1.1 and USB2.0.
- ◆ Provide one 10/100Mbps AutoMDIX Fast Ethernet LAN port.
- ◆ Support USB “Hot-plug” function.
- ◆ Two operating modes support: Open mode and Account mode.
- ◆ Support Auto-IP function.
- ◆ Support IP assignment for DHCP and Auto-IP.
- ◆ Support IP address filtering for Ethernet access with either DENY or ALLOW setting.
- ◆ Support external USB storage (Hard-disk, Flash-disk, CD-ROM, MO, and Micro Drive).
- ◆ Provide download assistance, making users download files without PC and schedule-able (support ftp and http).
- ◆ Support NTP (network time protocol).
- ◆ Web-based administrative program is stored in flash ROM of the file server.
- ◆ No setup necessary in Open mode.
- ◆ Firmware upgrade-able by Web-based administrative program.
- ◆ Support Windows 98/ME/NT/2000/XP and Linux SMB.
- ◆ Provide FTP Server service.
- ◆ Support UPnP for Windows XP.
- ◆ Provide an Easy-Search program for different IP domain setting.

Package Contents

Unpack the package and check all the items carefully, and be certain that you have:

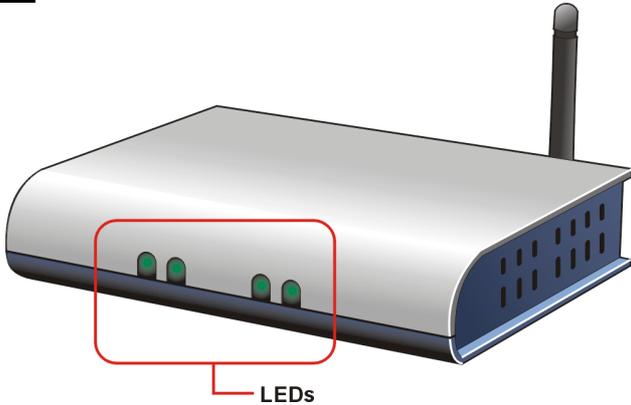
- ◆ One USB2.0 (Wireless) Network File Server.
- ◆ One AC Power Adapter suitable for your country's electric power service.
- ◆ One Quick Installation Guide.
- ◆ One Installation CD-ROM containing the manual files (PDF).

If any item contained is damaged or missing, please contact your local dealer immediately. Also, keep the box and packing materials in case you need to ship the unit in the future.

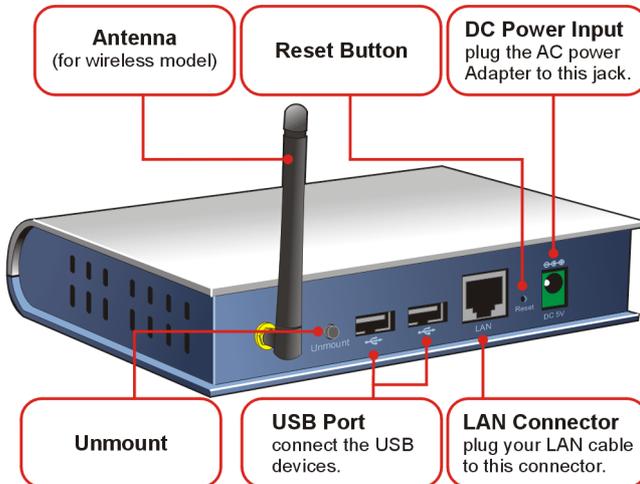
Product View

This section describes the externally visible features of the file server.

Front View



Rear View



LEDs

There are three LEDs on the front panel (four for wireless model):

LEDs	Description
Power	A steady Green light confirms that the file server is powered on.
LAN	A steady Green light confirms that the file server has a good connection to your network. When it blinks, the file server is receiving/transmitting data from/to the network.
WLAN (for wireless model only)	A steady Green light confirms that the file server has a good connection to your wireless network. When it blinks, the file server is receiving/transmitting data from/to the wireless network.
Mode	Off: No devices attached to the file server. When you are connecting a USB device to the file server, the LED starts blinking Green first, and then lights a steady Green light to indicate the installation is OK; the Red light indicates that the installation failed.

Buttons

There are two buttons on the unit:

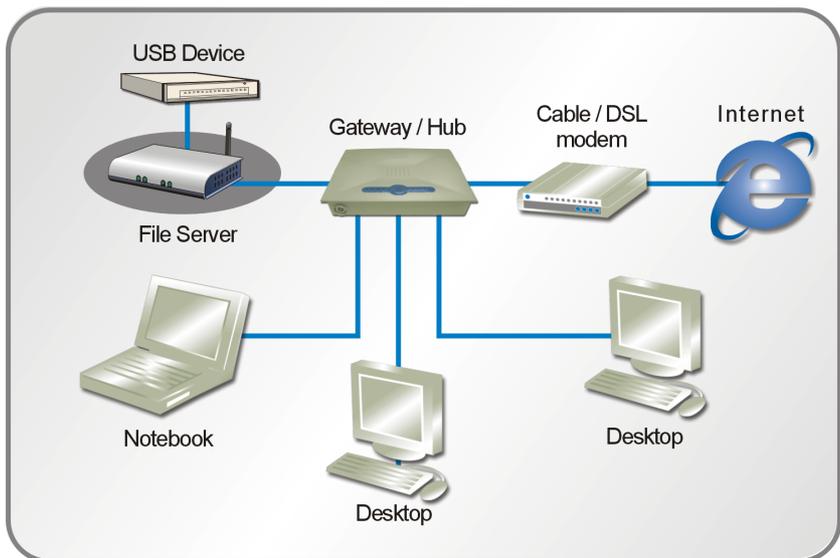
Buttons	Description
Reset	Press and hold the Reset Button for 4 seconds to reset the file server. Please NOTE that the system will resume the factory default settings after pressing this button.
Unmount	Press this button to remove the connected USB device safely. When you use the Unmount button to remove the attached USB device from the file server, press and hold the button for seconds to wait for the Red light turning on first, and it will start blinking slowly. Then, you can remove it only when the light turns off. NEVER remove the device when the red light is on.

WARNING: BEFORE REMOVING ANY USB DEVICE, YOU MUST PRESS THE "UNMOUNT BUTTON" FIRST.

INSTALLATION

Networking Application

The following diagram explains the application of your print server.



File Server in Your Network Environment

Installing the File Server

Follow these steps for a trouble-free start of file server operations with your USB2.0 (Wireless) Network File Server.

Connecting to the Network

1. Confirm proper operation of the Gateway/Hub to be connected in the network.
2. Connect the file server to the Gateway/Hub through the RJ-45 cable.
3. Connect the power adapter of the file server to the wall outlet. This will supply power to the file server immediately.

Connecting to a Client Workstation

For some reasons, you may need to connect the file server to a client workstation directly. For example, you build a direct connection between your desktop PC and the file server to configure the file server. In this event, you should set up the computer's IP address as instructions in next section.

Expanding the USB Devices

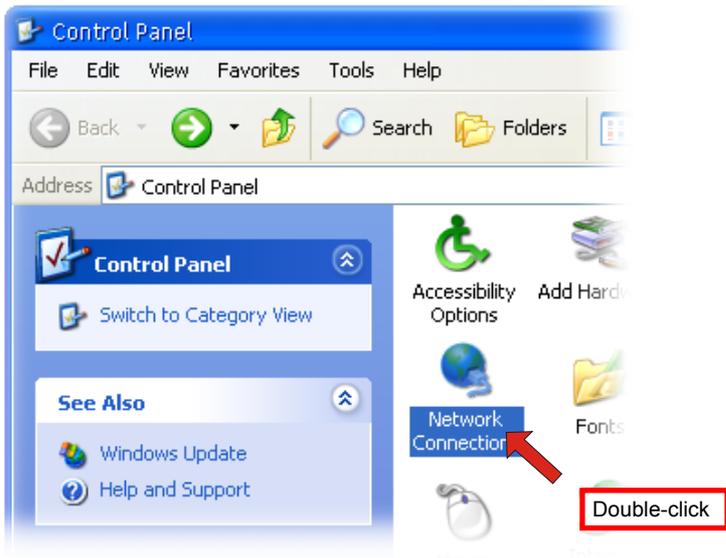
The file server provides two USB ports that allow you to expand the file server's function, such as connecting a large storage device. To connect the USB device, simply plug the USB device into one of the file server's USB ports. Alternately, you can connect the USB device through a USB cable. In addition, you can connect a USB Hub to expand the USB connection.

Using the File Server

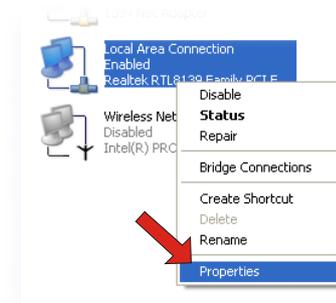
Configuring a Dynamic IP Address

When you connect your computer to the file server directly to configure the file server, you need to check the computer's IP address, and set up the IP address within the file server's IP address range.

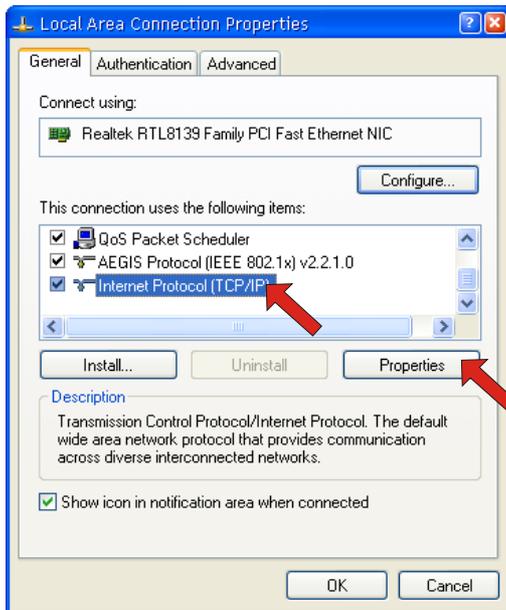
1. Click **Start** and choose **Control Panel** to open the Control Panel window.
2. Double-click the **Network Connection** icon to open the Network Connection window.



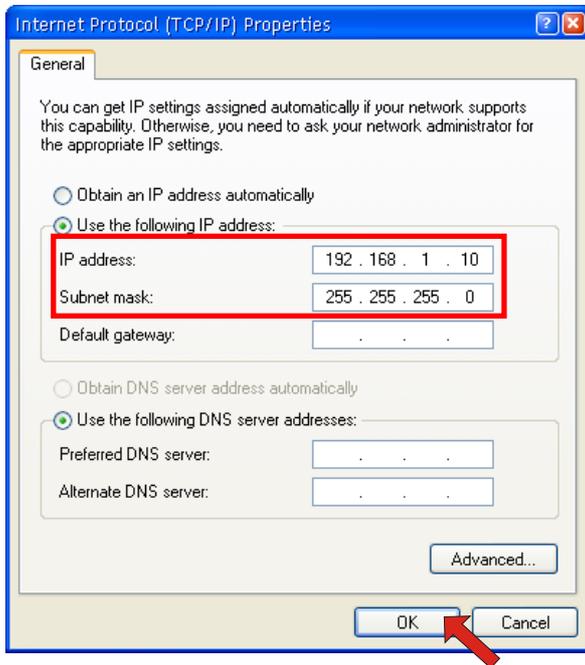
3. Right-click the Local Area Connection icon and click **Properties** from the shortcut menu.



4. When the Local Area Connection Properties window appears, choose **General** tab and select **Internet Protocol [TCP/IP]**, and then click **Properties** to bring up the Internet Protocol [TCP/IP] Properties window.



- To configure a fixed IP address, check the “**Use the following IP address**” option. Then, enter an IP address into the empty field. Suggested IP Address is **192.168.1.x** (*x* is 3~254), and suggested Subnet Mask is **255.255.255.0**.



- Click **OK** to complete the configuration.

Accessing the File Server

Since you have made the connection between your computer and the file server, and configured the computer's IP address, you can access the file server through the following steps.

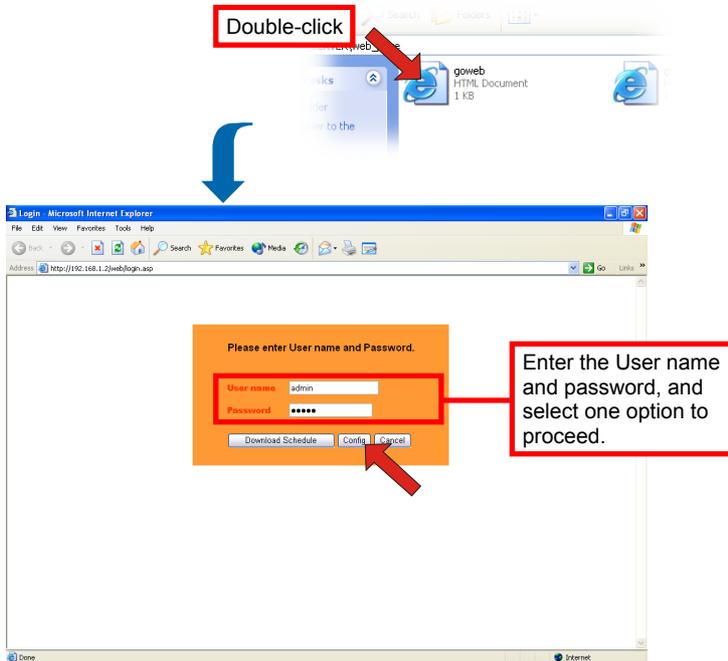
1. Click **Start** and choose **My Network Places**.



2. The file server is named as **Sambe_server**. If you connect the USB device, it also appears in the window.



3. Double-click the **web_page** shared folder, and then double-click the **goweb** item to launch your web browser and enter the web configuration utility. The login window will show as below.



Login Window of Web Configuration Utility

To enter the configuration utility, type **admin** in User name box and **admin** in Password box, and then click the **Config** button.

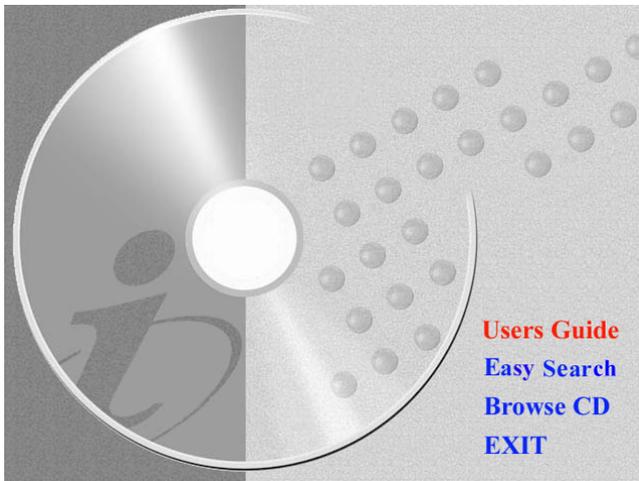
NOTE: Selecting the **Download Schedule** option allows you to enter the Download page.

Easy Search

To access and manage the file server easily, the conveniently utility **Easy Search** is provided for you in the Installation CD-ROM. **Easy Search** is a tool that allows you to set up the file server's connection.

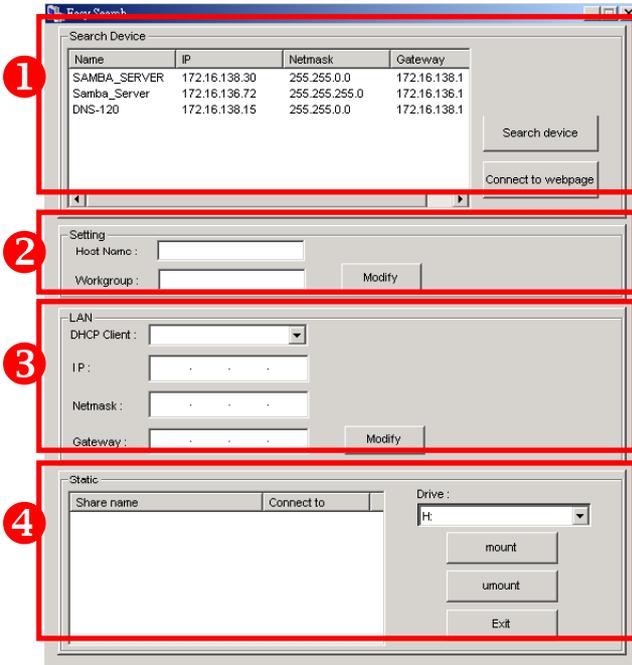
To use Easy Search:

1. Insert the Installation CD-ROM into your computer's CD-ROM drive to initiate the Auto-Run program.



Autorun Screen of Installation CD-ROM

2. Click the **Easy Search** item to launch the utility. The control panel will appear as below.



Control Panel of Easy Search

- 1** **Search Device** – when launching the utility, it will search the connected file server(s) automatically, and display the results in the list. To refresh the list, click the **Search device** button again. Clicking the **Connect to webpage** button will lead you to the web configuration utility.

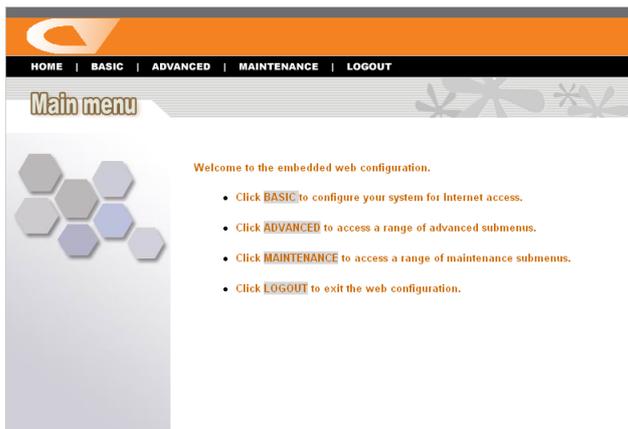
- ② **Setting** – set up the Host Name and Workgroup according to your network configuration. When you change the settings, click the **Modify** button to apply changed configuration.
- ③ **LAN** – select one file server in the device list, and you can change its settings in this field. When you change the settings, click the **Modify** button to apply changed configuration.
- ④ **Static** – when you connect the USB device to the file server, click the **mount/umount** button to attach/remove the device to your system. Click the **Exit** button to close the utility.

WEB CONFIGURATION

You can access and manage the File Server through a web browser. This chapter provides you with instructions of the Web Configuration Utility, and explains how to set up your file server with the web browser.

Web Configuration Utility

First, login the web configuration utility as described in the previous section. The Home menu will display as below.



There is a menu bar in the top of the configuration page, containing five items that allow you to set up your file server.

HOME | BASIC | ADVANCED | MAINTENANCE | LOGOUT

The Menu Bar

- **Home** – main screen of the utility, providing the brief instructions of the buttons on menu bar.
- **Basic** – allows you to configure your file server for Internet access through a step-by-step procedure.
- **Advanced** – contains more submenus that allow you to set up advanced configuration.
- **Maintenance** – provides maintenance tasks for the file server, such as upgrading firmware and reloading factory defaults.
- **Logout** – clicks to exit web configuration utility.

NOTE: *The computer's IP address must correspond with the file server's IP address in the same segment for the two devices to communicate. Extensive knowledge of LAN will be helpful in configuring the file server.*

Configuration - Basic

The **Basic** menu contains three steps that will guide you through the basic configuration for the file server. Click **Basic** in the top menu bar to start the step-by-step configuration.



The screenshot shows a web interface for configuring a file server. At the top, there is a navigation bar with links: HOME | BASIC | ADVANCED | MAINTENANCE | LOGOUT | HELP. Below this, the 'Basic' menu is displayed, with 'LAN' selected. The LAN configuration form includes the following fields:

DHCP Client	Disabled
IP Address	192.168.1.2
IP Subnet Mask	255.255.255.0
Gateway IP Address	192.168.1.1
DNS1	168.95.1.1
DNS2	

A red box highlights the DHCP Client dropdown and the IP Address, IP Subnet Mask, and Gateway IP Address fields. A red arrow points to the 'Next' button below the form.

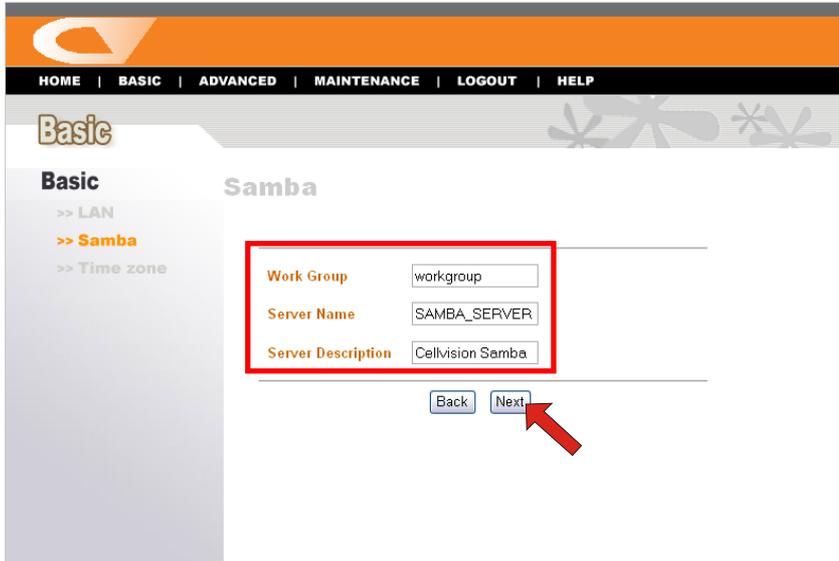
Basic Menu – LAN

Basic → LAN

The first step is to configure the LAN settings (as shown above). These options in this step display the current IP address and DHCP service of the file server, and can be modified manually. When completed, click **Next**.

Basic → Samba

This screen allows you to set up the Workgroup name for the file server. You can also change the name and description of the file server.



The screenshot shows a web interface for configuring Samba. At the top, there is a navigation bar with links: HOME | BASIC | ADVANCED | MAINTENANCE | LOGOUT | HELP. Below this, the page is titled "Basic" and "Samba". On the left, a sidebar menu shows "Basic" with sub-items: ">> LAN", ">> Samba" (highlighted in orange), and ">> Time zone". The main content area is titled "Samba" and contains a form with three input fields: "Work Group" (containing "workgroup"), "Server Name" (containing "SAMBA_SERVER"), and "Server Description" (containing "Cellvision Samba"). These three fields are enclosed in a red rectangular box. Below the form are two buttons: "Back" and "Next". A red arrow points to the "Next" button.

Basic Menu – Samba

When completed, click **Next**.

Basic → Time Zone

This screen displays the current time setting of the file server. For system management purpose, a correct time setting is critical to have accurate time stamps on the system logs.

HOME | BASIC | ADVANCED | MAINTENANCE | LOGOUT | HELP

Basic

- >> LAN
- >> Samba
- >> Time zone

Time zone

Time 8:12:29 Date 2004 / 12 / 9

Method Test

Time zone

Back Apply

Basic Menu – Time Zone

The **Method** pull-down menu allows you to set up the correct time by getting time from the computer or time server (need an Internet connection). In the **Time Zone** pull-down menu, select a time zone according to your location.

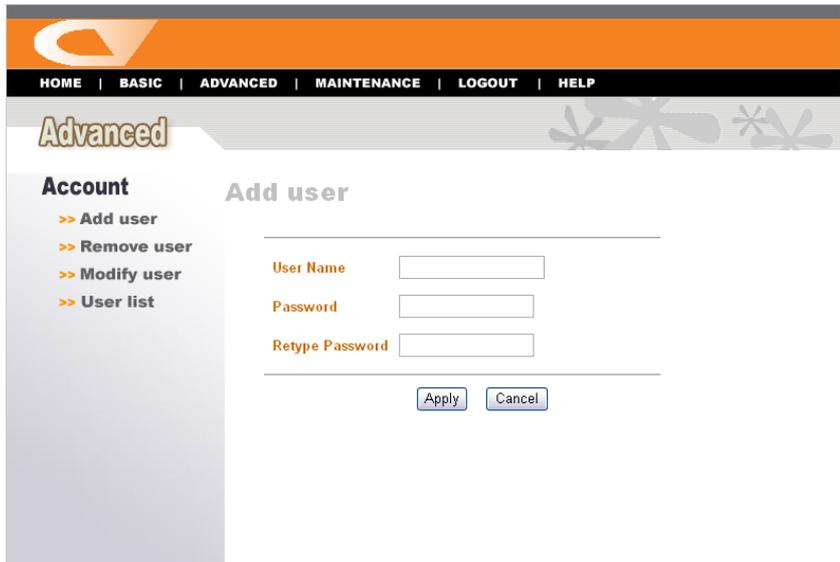
When completed, click **Apply**.

Configuration - Advanced

The **Advanced** menu contains six submenus: **Account**, **Samba**, **LAN**, **Wireless**, **Time zone**, **FTP server**, and **Status**.

Advanced → **Account**

The **Account** submenu contains the options that allow you to add/delete users. Also, you can manage the users of the file server.



The screenshot shows a web interface for configuration. At the top, there is a navigation bar with the following menu items: HOME | BASIC | **ADVANCED** | MAINTENANCE | LOGOUT | HELP. Below the navigation bar, the word "Advanced" is displayed in a large, stylized font. The main content area is titled "Account" and contains a list of options: >> Add user, >> Remove user, >> Modify user, and >> User list. The "Add user" option is selected, and the "Add user" form is displayed. The form has three input fields: "User Name", "Password", and "Retype Password". Below the input fields are two buttons: "Apply" and "Cancel".

Advanced Menu – Account

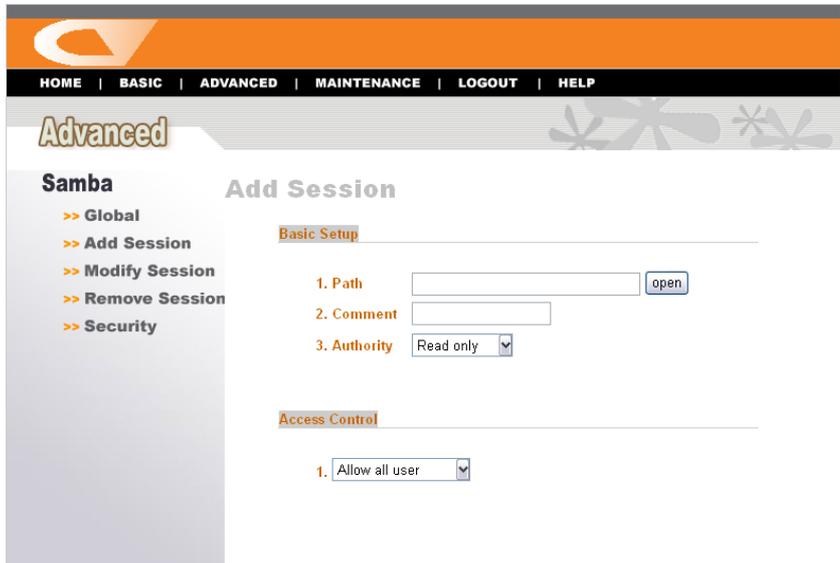
- **Add user:** You can add user of the file server by entering a name in the *User Name* box, and the corresponding password in the *Password* box. Enter the password again in the *Retype Password* box to confirm. When completed, click **Apply** to activate the user's account.
- **Remove user:** You can delete an existing user's account in this option. Check the box associated to the user you want to delete and click **Apply**.
- **Modify user:** You can change the password of an existing user's account. Select the radio button associated to the user you want to modify, and click **Apply**. Enter the original password in the *Old Password* box, and then enter a new password twice in the *New Password* and *Retype New Password* boxes. When completed, click **Apply**.
- **User list:** Click this item to display the existing users of the file server.

NOTE:

1. The file server uses four pre-defined accounts in the firmware, which cannot be used as the users' account names, including: **root, admin, ftp, and nobody**.
2. The password you entered in the *Password* box must be longer than five characters.

Advanced → Samba

The **Samba** submenu allows you to set up the Workgroup name for the file server, and change the name and description of the file server. You can also manage the session in this submenu.



The screenshot shows a web interface for Samba configuration. At the top is a navigation bar with links: HOME | BASIC | ADVANCED | MAINTENANCE | LOGOUT | HELP. Below this is a header with the word 'Advanced' in a stylized font. A left sidebar contains a 'Samba' menu with options: >> Global, >> Add Session, >> Modify Session, >> Remove Session, and >> Security. The main content area is titled 'Add Session' and is divided into two sections: 'Basic Setup' and 'Access Control'. The 'Basic Setup' section contains three fields: '1. Path' with an input box and an 'open' button, '2. Comment' with an input box, and '3. Authority' with a dropdown menu set to 'Read only'. The 'Access Control' section contains one field: '1. Allow all user' with a dropdown menu.

Advanced Menu – Samba

- **Global:** Enter the Workgroup name for the file server; and you can change the name and description of the file server
- **Add/Modify/Remove Session:** You can add/modify/remove the tasks in these relative options.
- **Security:** You can configure the security function by selecting *NO*, *Allow IP*, and *Deny IP* through the *Filter Action* pull-down menu.

Advanced → LAN

The LAN submenu displays the current IP address and DHCP service of the file server, and can be modified manually.

HOME | BASIC | **ADVANCED** | MAINTENANCE | LOGOUT | HELP

Advanced

LAN

DHCP Client	<input type="text" value="Disabled"/>
IP Address	<input type="text" value="192.168.1.2"/>
IP Subnet Mask	<input type="text" value="255.255.255.0"/>
Gateway IP Address	<input type="text" value="192.168.1.1"/>
DNS1	<input type="text" value="168.95.1.1"/>
DNS2	<input type="text"/>

Advanced Menu – LAN

Advanced → Wireless (for wireless model)

The **Wireless** submenu appears only in wireless model. If you use a wireless-enabled file server, you can configure the respective settings in this submenu.

The screenshot shows a web interface for configuring wireless settings. At the top, there is a navigation bar with links for HOME, BASIC, ADVANCED, MAINTENANCE, and LOGOUT. Below this, the 'Advanced' menu is highlighted, and the 'Wireless' submenu is selected. The main content area is titled 'Wireless Setting' and contains the following configuration options:

- Wireless:** Radio buttons for Enable and Disable.
- Connection Mode:** Radio buttons for Infrastructure and Ad-Hoc.
- SSID:** A text input field.
- Channel:** A dropdown menu with 'Auto' selected.
- Security Mode:** A dropdown menu with 'None' selected.
- Authentication:** Radio buttons for Open and Shared.
- Encryption Mode:** A dropdown menu with 'None' selected.
- Key Format:** A dropdown menu with 'HEX' selected.
- Default Key:** A dropdown menu with 'Key 1' selected.
- Key1, Key2, Key3, Key4, Pre-Shared Key:** Five text input fields for entering keys.

At the bottom right of the form, there are two buttons: 'Apply' and 'Cancel'.

Advanced Menu –Wireless

- **Settings:** In this field, set up the respective settings according to your wireless network environment, the options includes: to Enable/Disable wireless function, Connection Mode, SSID, Channel, Security Mode, Authentication, Encryption Mode, Key Format, and Default Key.
- **Site Survey:** This field displays the Available Networks. To connect one wireless network, scroll up and down in the list and highlight the desired network, and click the **Connect** button.

Advanced → Time Zone

The **Time zone** submenu displays the current time setting of the file server. For system management purpose, a correct time setting is critical to have accurate time stamps on the system logs.

Advanced

Time zone

Time 8:12:29 Date 2004 / 12 / 9

Method

Time zone

Advanced Menu – Time Zone

The **Method** pull-down menu allows you to set up the correct time by getting time from the computer or time server (need an Internet connection). In the **Time Zone** pull-down menu, select a time zone according to your location.

Advanced → FTP Server

The **FTP server** submenu contains the options that allow you to enable/disable the FTP service of the file server, as well as the relative FTP settings.

Status	Stop
Path	/home/ftp
Port	21
Max user	5
Flow	Unlimited
Idle time	2 minutes
Anonymous	Yes

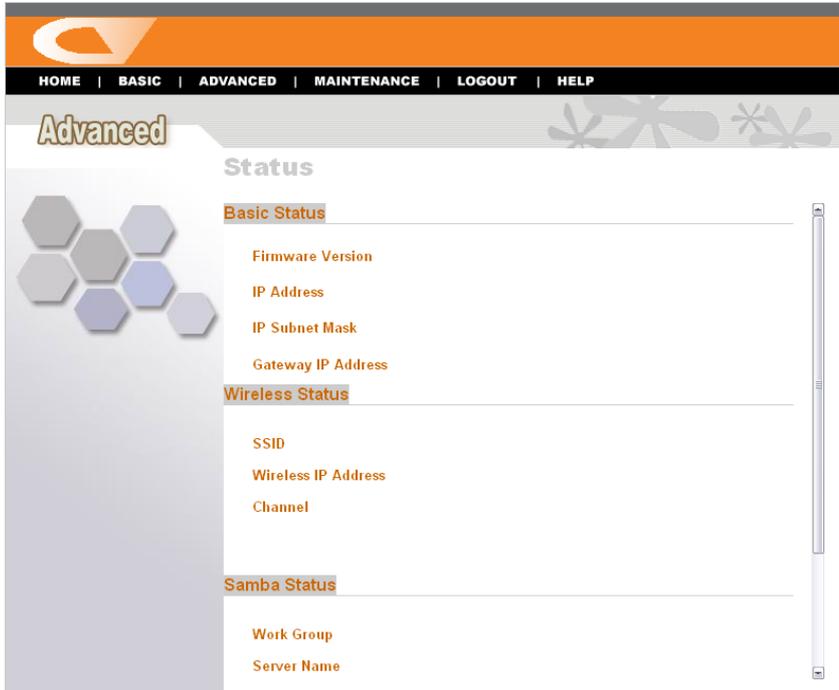
Advanced Menu – FTP Server

- **Start/Stop:** Click **Start FTP Server** to enable the FTP server of the file server. The status field displays the information of your FTP server settings. Once you enabled the FTP server, click **Stop FTP Server** to disable the service.

- **Setting:** This option contains the relative FTP server settings.
 - **Path:** Choose a destination for your FTP server.
 - **Port:** Assign a port (1~65535).
 - **Max user:** The users allowed to connect to the FTP server (1~10).
 - **Anonymous:** Choose *Yes* will allow the user connect to the FTP server anonymously.
 - **Idle time:** Set up the idle time for the FTP server (1~10 minutes).
 - **Flow:** Give limit on transmission flow of the FTP server.

Advanced → Status

The **Status** submenu contains information of the file server, including its basic status and the Samba server status.



The screenshot shows a web interface with a navigation bar at the top containing links for HOME, BASIC, ADVANCED, MAINTENANCE, LOGOUT, and HELP. The main content area is titled "Advanced" and "Status". On the left, there is a decorative graphic of several hexagons. The status information is organized into three sections: Basic Status, Wireless Status, and Samba Status. Each section lists specific system parameters.

Section	Parameter
Basic Status	Firmware Version
	IP Address
	IP Subnet Mask
	Gateway IP Address
Wireless Status	SSID
	Wireless IP Address
	Channel
Samba Status	Work Group
	Server Name

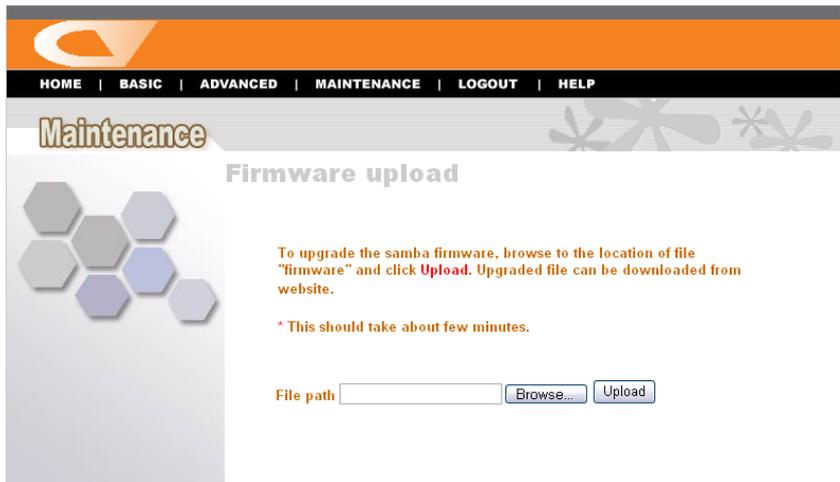
Advanced Menu – Status

Configuration - Maintenance

The **Maintenance** menu contains two submenus: **Firmware upload** and **Configuration**.

Maintenance → Firmware Upload

The **Firmware upload** submenu allows you to update the firmware of your file server once you obtained a latest version of firmware. Click **Browse** to point to the firmware file, and then click **Upload**.

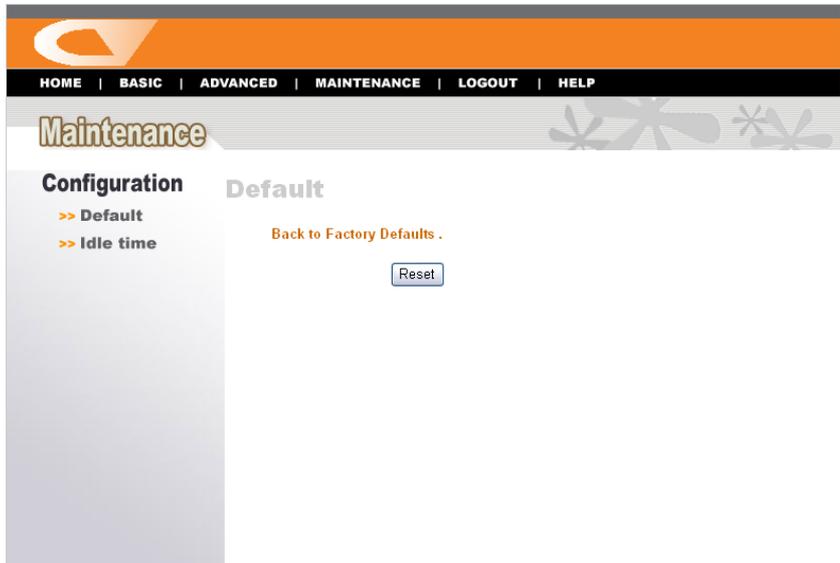


Maintenance Menu – Firmware Upload

NOTE: There is some risk when you are upgrading firmware, such as power failure. Always confirm that the file server is powered on during the procedure.

Maintenance → Configuration

The **Configuration** submenu allows you to reload the factory default settings of the file server. Also, you can set up the Idle time in this submenu.

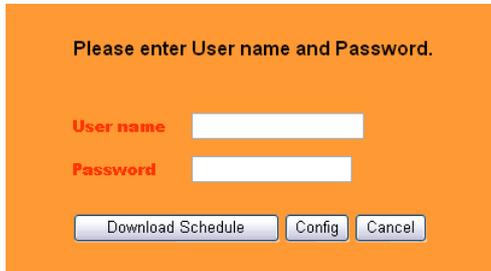


Maintenance Menu – Configuration

- **Default:** Clicking **Reset** allows you to resume the factory default settings of the file server. This function is the same as pressing the **Reset** button on the machine.
- **Idle time:** If the user does nothing within the specified time in this option, then, the system would automatically logout. The idle time must be larger than **0**.

Configuration - Logout

Click the **Logout** button to exit the web configuration utility, and it will return to the login screen of the utility.



Please enter User name and Password.

User name

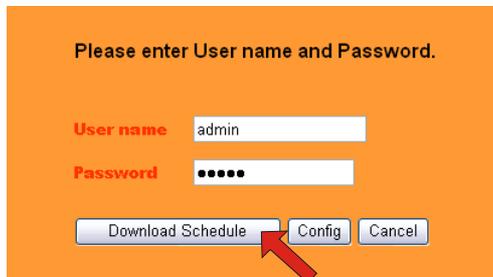
Password

You can re-login using the **admin** user name. Alternately, if you set up a new user for the file server, you can login the utility using the given user account.

DOWNLOADING FILES THROUGH FILE SERVER

Entering Download Page

1. If you are in the configuration mode, click **Logout** to exit the web configuration utility, and re-login the utility's download page by selecting the **Download Schedule** button on the login dialog box.



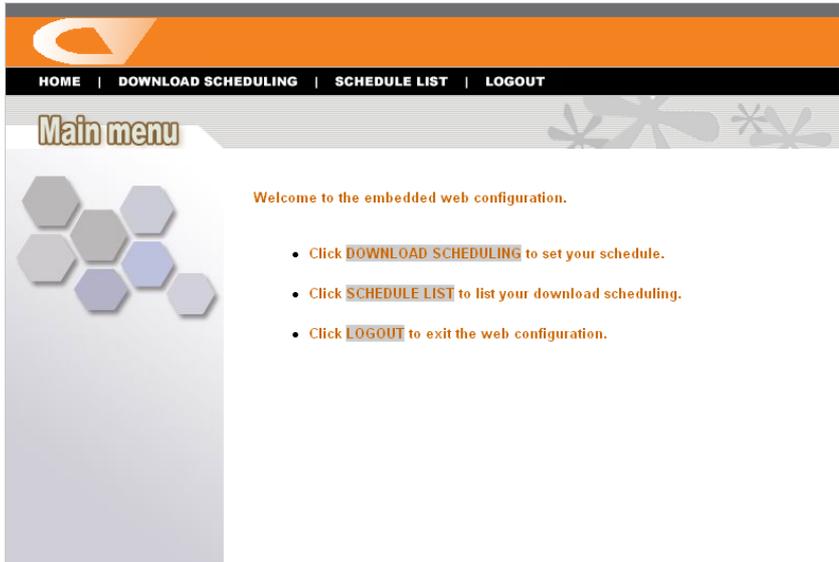
Please enter User name and Password.

User name

Password

NOTE: If the administrator has added users of the file server, the users can login the Download page with their user name and password.

2. The Main menu of Download page will display as below.



Main menu of Download Page

- **Home** – main screen of the download page, providing the brief instructions of the buttons on menu bar.
- **Download Scheduling** – clicks to set up your download schedule.
- **Schedule List** – contains the information of scheduled download tasks.
- **Logout** – clicks to exit the download page.

Download Scheduling

Click the **Download Scheduling** menu to set up your download tasks. Enter the required information in the relative fields.

Login Method	Anonymous User Name ***** Password *****
URL	http://www.test.com/index.htm Test Local File Folder
Save To	HD_a1 Open
When	Date : 2004 / 01 / 01 Time : 20 : 14
Option	<input type="checkbox"/> Overwrite (Only for download ftp or http file) <input checked="" type="radio"/> None <input type="radio"/> Every Day <input type="radio"/> Every Week MON <input type="radio"/> Every Month 01
Backup	Time : 00 : 00 <input type="checkbox"/> Backup Difference (Only for local backup)
	Apply Cancel

Setup Screen of Download Scheduling

- **Login Method:** According to the settings of target server, choose *Anonymous* or *Account* from pull-down menu. When you choose *Account*, you have to enter the correct User name and Password.
- **URL:** Enter the URL address of target server. Click **test** to test the connection.

- **Save to:** Click **open** to bring up the following window that allows you to assign the destination folder to save the downloaded files. When completed, click **OK**.



- **When:** You have to set up the start-up time to download files from the pull-down menu of the **Date** and **Time** options.
- **Option:** When the downloaded files have the same filename as the files in the destination folder, checking the **Overwrite** option will overwrite the old file in the folder.
- **Backup:** You can enable/disable the backup function of your file server by selecting **None/Every Day/Every Week/Every Month**. Or, you can setup the function to backup the different file only when local backup.

When completed, click **Apply** to save this download task to the Schedule List.

Schedule List

Click the **Schedule List** menu to display the scheduled download tasks as below.

#	Status	Del	%	Speed	Download path	Save to
1		<input type="checkbox"/>	--	--	http://www.test.com/index.htm	HD_a1/
2		<input type="checkbox"/>	--	--	http://www.hic.com/index.htm	HD_a1/

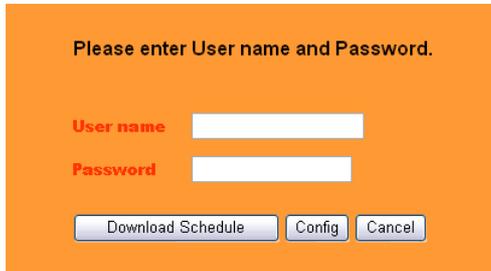
Apply Cancel Back Refresh

Scheduled Download Tasks

You can edit, delete and view these download tasks from the list. When you change the settings of selected task, click **Apply** to save the configuration. Click **Refresh** to reload the status of these tasks.

Logout

Click the **Logout** button to exit the download page, and it will return to the login screen of the utility.

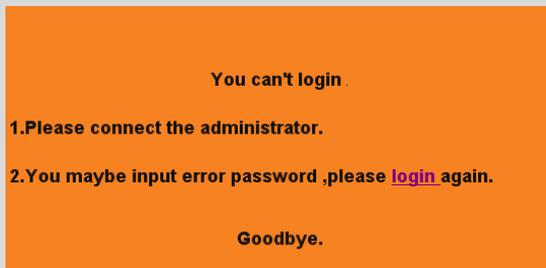


Please enter User name and Password.

User name

Password

NOTE: If you are denied to enter the Configuration Utility or Download page, the following warning message will appear on the screen. Please try to enter the correct username and password again, or contact your network administrator.



You can't login .

1.Please connect the administrator.

2.You maybe input error password ,please [login](#) again.

Goodbye.

PRODUCT SPECIFICATION

Standards

- **Network Standards:** IEEE 802.3, IEEE 802.3u.
- **Wireless LAN Standard:** IEEE 802.11b/g (for wireless model).
- **USB Interface:** USB 2.0, USB 1.1.

Connecting Ports

- One 10/100M RJ-45 connector (with AutoMDIX).
- Two USB 2.0 ports.
- One Power jack.

Buttons

- Reset Button.
- Unmount Button.

LEDs

- Power (**Green**).
- LAN (**Green**).
- Mode (**Green/Red**).
- WLAN (**Green**, for wireless model only).

Management

- Web-based administrative program
- Easy Search

Operating System Support

- Windows 98/ME/2000/XP, Windows NT.
- Linux SMB.

Environmental and Physical

- **Power Supply:** 5VDC, 2.5 Amp.
- **Operating Temperature:** 0°C to 50°C.
- **Storage Temperature:** -20°C to 50°C.
- **Humidity:** 10% to 90%, non-condensing at 30°C.

EMI Compliance

- FCC Part 15 Class B
- CE (EN55022/EN55024)
- VCCI
- LVD

NOTE :

101U/A/B/N is for Microsoft Windows English Version

101U/E is for Microsoft Windows Europe Version

101U/JP is for Microsoft Windows Japanese Version

101U/CH is for Microsoft Windows Traditional Chinese Version

101WU/A/B/N is for Microsoft Windows English Version

101WU/E is for Microsoft Windows Europe Version

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