



# VWRT510



# User Manual

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# 1 Preface


Thank you for choosing the ReadyNet VWR510 wireless router with VoIP. This product will allow you to make ATA calls using your broadband connection and provides Wi-Fi router functions.

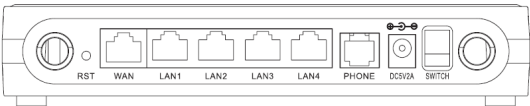
This manual provides basic information on how to install and connect the ReadyNet VWR510 wireless router with VoIP to the Internet. It also discusses the router's features and functions and how to use them correctly. Before you can connect the VWR510 to the Internet and use it, you must have a high-speed broadband connection installed.

The ReadyNet VWR510 wireless router with VoIP is a stand-alone device so no computer is required to make Internet calls. The VWR510 provides clear and reliable voice quality through the Internet, is fully compatible with SIP industry standards, and is able to interoperate with many other SIP devices and software on the market.

## 2 LED Indicators and Connectors

### 2.1 LED Indicators

Front Panel	LED	Status	Explanation
	PHONE	Blinking (Green)	Not registered.
		On (Green)	Registered
	WLAN	On (Green)	Wireless access point is ready.
		Blinking (Green)	It will blink while wireless traffic goes through.
	LAN 1/2/3/4	On (Green)	The port is connected with 100Mbps.
		Off	The port is disconnected.
		Blinking (Green)	The data is transmitting.
	WAN	On(Green)	The port is connected with 100Mbps.
		Off	The port is disconnected.
		Blinking (Green)	It will blink while transmitting data.
	POWER	On (Red)	The router is powered on and running normally.
		Off	The router is powered off.
Rear Panel	Interface	Description	

	ON/OFF	Power Switch.
	DC 5V/2A	Connector for a power adapter.
	FXS	Connect to the phone.
	WAN	Connector for accessing the Internet.
	LAN (1/2/3/4)	Connectors for local networked devices.

## 2.2 Hardware Installation

Step 1. Connect the Line port to a land line phone jack with an RJ-11 cable (standard phone cord).

Step 2. Connect the WAN port to an access point such as a modem, switch, or router with an Ethernet cable.

Step 3. Connect one of the LAN ports to your computer with an Ethernet cable.

Step 4. Connect one end of the power cord to the power port of this device. Connect the other end to the wall outlet of electricity.

Step 5. Push the ON/OFF switch to power on the router.

Step 6. Check the Power, WAN, and LAN LEDs to assure network connections.

## 3 Voice Prompt

### Voice Menu Setting Options

Code	Contents
1	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “1” and the VWR510 reports the current WAN port connection type.</p> <p>Step 3. Prompt “Please enter password”, user needs to input password with end char # if user wants to configure WAN port connection type.</p> <ul style="list-style-type: none"> <li>✧ Password in the IVR is same as the Web login. User can use phone keypad to enter password directly and the matching table is in Note 4.</li> <li>✧ For example: WEB login password is “admin”, so password in IVR is “admin” too, user inputs “23646” to access and then configure the WAN connection port.</li> </ul> <p>Step 4. Report “operation successful” if password is correct.</p> <p>Step 5. Choose the new WAN port connection type, either 1. DHCP or 2. Static.</p> <p>Step 6. Report “operation successful”, indicates user successfully made the changes.</p> <p>VWR510 will return to sound prompting “<b>please enter your option, one WAN Port .....</b>”.</p> <ul style="list-style-type: none"> <li>✧ If at any time you want to quit, press “***”.</li> </ul>

2	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “2”, and the VWRT510 reports current WAN Port IP Address.</p> <p>Step 3. Input the new WAN port IP address with the end char #.</p> <ul style="list-style-type: none"> <li>✧ Using “*” to replace “.”, user can input 192*168*20*168 to set the new IP address 192.168.20.168.</li> <li>✧ Press # key to indicate you have finished.</li> </ul> <p>Step 4. Report “operation successful” if user operation is correct.</p> <ul style="list-style-type: none"> <li>✧ If at any time you want to quit, press “***”.</li> </ul>
3	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “3”, and the VWRT510 reports the current WAN port subnet mask.</p> <p>Step 3. Input a new WAN port subnet mask with the end char #.</p> <ul style="list-style-type: none"> <li>✧ Using “*” to replace “.”, user can input 255*255*255*0 to set the new WAN port subnet mask 255.255.255.0.</li> <li>✧ Press # key to indicate you have finished.</li> </ul> <p>Step 4. Report “operation successful” if user operation is correct.</p> <ul style="list-style-type: none"> <li>✧ If at any time you want to quit, press “***”.</li> </ul>
4	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “4”, and the VWRT510 reports current gateway.</p> <p>Step 3. Input the new gateway with the end char #.</p> <ul style="list-style-type: none"> <li>✧ Using “*” to replace “.”, user can input 192*168*20*1 to set the new gateway 192.168.20.1.</li> <li>✧ Press # key to indicate you have finished.</li> </ul> <p>Step 4. Report “operation successful” if user operation is correct.</p> <ul style="list-style-type: none"> <li>✧ If at any time you want to quit, press “***”.</li> </ul>
5	<p>Step 1. Pick up phone and press “****” to start IVR</p> <p>Step 2. Choose “5”, and the VWRT510 reports current DNS</p> <p>Step 3. Input the new DNS with the end char #</p> <ul style="list-style-type: none"> <li>✧ Using “*” to replace “.”, user can input 192*168*20*1 to set the new gateway to 192.168.20.1</li> <li>✧ Press # key to indicate you have finished</li> </ul> <p>Step 4. Report “operation successful” if user operation is correct.</p> <ul style="list-style-type: none"> <li>✧ If at any time you want to quit, press “***”.</li> </ul>
6	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “6”, and the VWRT510 reports “Factory Reset”.</p> <p>Step 3. Prompt "Please enter password", inputting password is the same as in operation 1.</p> <ul style="list-style-type: none"> <li>✧ If at any time you want to quit, press “*”.</li> </ul> <p>Step 4. Prompt “operation successful” if the password is correct.</p> <p>Step 5. Press “7”, reboot to make changes effective.</p>
7	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “7”, and the VWRT510s report “Reboot”.</p> <p>Step 3. Prompt "Please enter password", inputting password is the same as in operation 1.</p> <p>Step 4. The VWRT510 will reboot if the operation is correct.</p>

<b>8</b>	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “8”, and the VWR510 reports “WAN Port Login”.</p> <p>Step 3. Prompt “Please enter password”, inputting password is the same as in operation 1.</p> <p>✧ If at any time you want to quit, press “*”.</p> <p>Step 4. Report “operation successful” if user operation is correct.</p> <p>Step 5. Prompt “1enable 2disable”, choose 1 or 2 with confirm char #.</p> <p>Step 6. Report “operation successful” if user operation is correct.</p>
<b>9</b>	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “9”, and the VWR510 reports “WEB Access Port”.</p> <p>Step 3. Prompt “Please enter password”, inputting password is the same as in operation 1.</p> <p>Step 4. Report “operation successful” if user operation is correct.</p> <p>Step 5. Report the current WEB Access Port.</p> <p>Step 6. Set the new WEB access port with end char #.</p> <p>Step 7. Report “operation successful” if user operation is correct.</p>
<b>0</b>	<p>Step 1. Pick up phone and press “****” to start IVR.</p> <p>Step 2. Choose “0”, and the VWR510 reports the current Firmware version.</p>

### Notes

- ❖ When using Voice Menu, press “\*” (star) to return to the main menu.
- ❖ If any changes are made in the IP assignment mode, please reboot the VWR510 to apply the changes.
- ❖ When entering an IP address or subnet mask, use “\*” (star) to replace “.” (dot). For example, to enter the IP address 192.168.20.159 by keypad, press 192\*168\*20\*159#, use the “#” (pound) key to indicate you have finished entering the IP address.
- ❖ When assigning an IP address in Static IP mode, you must also set the subnet mask and default gateway. If in DHCP mode, please make sure that DHCP SERVER is available in your existing broadband connection to which WAN port of VWR510 is connected.
- ❖ The default LAN port IP address of VWR510 is 192.168.11.1 and do not set the WAN port IP address of VWR510 in the same network segment of LAN port of VWR510, otherwise it may lead to the VWR510 fail to work properly.
- ❖ Enter the password by phone keypad. The matching table between number and letters is as follows:
  - To input: D, E, F, d, e, f -- press ‘3’
  - To input: G, H, I, g, h, i -- press ‘4’
  - To input: J, K, L, j, k, l -- press ‘5’
  - To input: M, N, O, m, n, o -- press ‘6’
  - To input: P, Q, R, S, p, q, r, s -- press ‘7’
  - To input: T, U, V, t, u, v -- press ‘8’
  - To input: W, X, Y, Z, w, x, y, z -- press ‘9’
  - To input all other characters in the administrator password-----press ‘0’, e.g. password is ‘admin-admin’, press ‘23646023646’

## 4 Configuring Basic Settings

### 4.1 Two-Level Management

The VWR510 supports user management. For user mode operation, please log in to the user interface Web Page. The Username is “user” and the default Password is the last 8 letters of the LAN port MAC address.

This section also explains how to set up a password for an administrator/root user and how to adjust basic/advanced settings for successfully accessing the Internet.

### 4.2 Accessing the User Interface Web Page

#### 4.2.1 From the LAN Port

Step1. Connect your computer to one of the router’s LAN ports using an Ethernet cable.

**Notice:** You may either simply set up your computer to get IP dynamically from the router or set up the IP address of the computer to be the same subnet as **the default IP address of the router, which is 192.168.11.1.**

Step 2. Open a web browser on your computer, type **http://192.168.11.1**. The following login window will open.



Step 3. To login, type in the Username and Password found on the label on the bottom of the VWR510 and click Login. (The username is “user” and the password is the last 8 characters of the LAN MAC address.)

The web page will log out after 5 minutes of no activity.

#### 4.2.2 From the WAN Port

By default, remote web login is disabled so user will need to enable remote web login and change the password through the LAN port before attempting to login from the WAN port. The remote login port is 8080.

Step 1. Make sure your PC can connect to the router’s WAN port.

Step 2. Get the IP address of the WAN port using Voice Prompt.

Step 3. Open a web browser on your computer and type <http://the IP address of WAN port: 8080>. The following login window will open.

Step 4. To login, type in the Username and Password found on the label on the bottom of the VVWRT510 and click Login. (The username is “user” and the password is the last 8 characters of the LAN MAC address.)

The web page will log out after 5 minutes of no activity.

## 4.3 Webpage

No.	Name	Description
1	Navigation bar	Click navigation bar, sub-navigation bars will appear on the second line.
2	Title	Click on the sub-navigation bars to choose a configuration page.
3	Parameter	To configure the parameters.
	Save	After every change, click this button to apply the change. After clicking Save, the red <i>Please REBOOT to make the changes effective!</i> will appear.
	Cancel	Click to cancel changes.
	Reboot	Click to reboot the router.

## 4.4 Setting Up the Time Zone

Open **Administration/Management** webpage as shown below, select the **Time Zone**, specify the **NTP server** and set the update interval in **NTP synchronization**.

## 4.5 Setting up the Internet Connection

Open the **Network/WAN** webpage as shown below and select the appropriate **IP Mode** according to the information from your ISP. There are three types offered – Static, DHCP and PPPoE.

The screenshot shows the 'Network' tab with the 'WAN' sub-tab selected. A red message at the top says 'Please REBOOT to make the changes effective!'. The 'Connection Type' dropdown is set to 'DHCP'. Below it, the 'DNS Settings' section shows 'DNS Mode' set to 'Auto', 'Primary DNS Address' as '168.126.63.1', and 'Secondary DNS Address' as '164.124.101.2'.

### 4.5.1 Static IP

You will receive a fixed public IP address or a public subnet (multiple public IP addresses) from your DSL or Cable ISP service providers. In most cases, a Cable service provider will offer a fixed public IP while a DSL service provider will offer a public subnet. If you have a public subnet, you can assign an IP address to the WAN interface.

<p>The screenshot shows the 'Static' connection type selected. Fields include: IP Address (192.168.10.233), Subnet Mask (255.255.255.0), Default Gateway (192.168.10.1), DNS Mode (Manual), Primary DNS Address (168.126.63.1), and Secondary DNS Address (164.124.101.2).</p>	<b>IP Address</b>	Type the IP address.
	<b>Subnet Mask</b>	Type the subnet mask.
	<b>Gateway IP Address</b>	Type the gateway IP address.
	<b>Primary DNS Server</b>	Type in the primary IP address for the route.
	<b>Secondary DNS Server</b>	Type in secondary IP address for necessity in the future.

### 4.5.2 DHCP

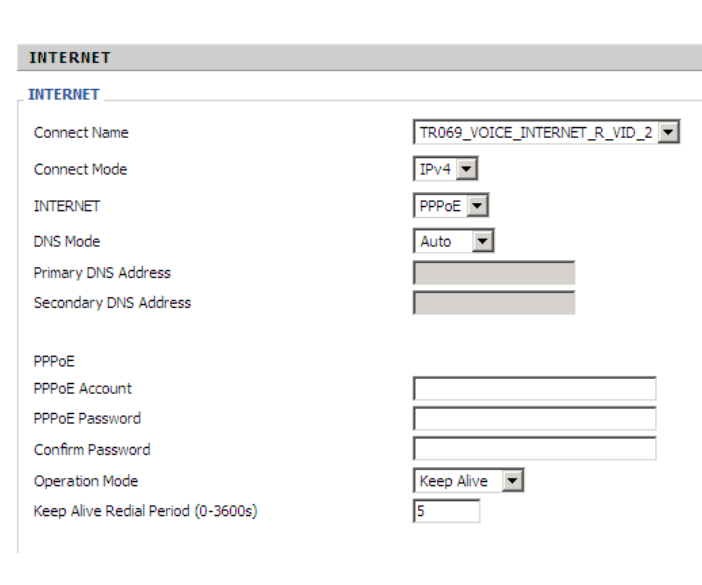
It is not necessary for you to type any IP address manually. Simply choose this type and the system will obtain the IP address automatically from the DHCP server.

<p>The screenshot shows the 'INTERNET' tab with 'Connect Mode' set to 'DHCP' and 'DNS Mode' set to 'Auto'. There are empty fields for Primary and Secondary DNS addresses. A 'Renew' button is visible under the DHCP section.</p>	<b>DNS Mode</b>	Set the DNS Mode to Auto or Manual. If user chooses Manual, fill in the primary and secondary DNS addresses.
	<b>Primary DNS Server</b>	Type in the primary IP address for the route.
	<b>Secondary DNS Server</b>	Type in secondary IP address for necessity in the future.

## 4.5.3 PPPoE

PPPoE stands for **Point-to-Point Protocol over Ethernet**. It relies on two widely accepted standards: PPP and Ethernet. It connects users through an Ethernet to the Internet with a common broadband medium, such as a single DSL line, wireless device, or cable modem. All users over the Ethernet can share a common connection.

PPPoE is often used for DSL. All local users can share one PPPoE connection for accessing the Internet. Your service provider will provide you information about user name, password, and authentication mode.

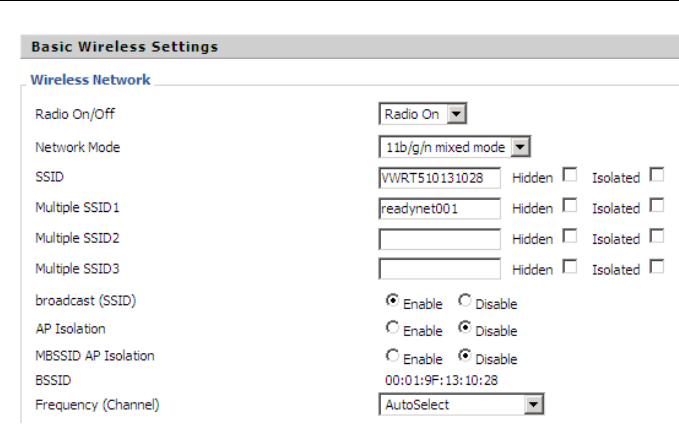
	<b>PPPoE Account</b>	Assign a specific valid user name provided by the ISP.
	<b>PPPoE Password</b>	Assign a valid password provided by the ISP.
	<b>Confirm Password</b>	Input the password again.
	<b>DNS Mode</b>	Set the DNS Mode to Auto or Manual. If Manual, fill in primary and secondary DNS addresses.
	<b>Primary DNS Server</b>	Type in the primary IP address for the route.
	<b>Secondary DNS Server</b>	Type in secondary IP address for necessity in the future.

## 4.6 Setting up the Wireless Connection

To set up the wireless connection, please follow these steps.

### 4.6.1 Enable Wireless and Set the SSID

Open the **Wireless/Basic** webpage as shown below.

	<b>Radio On/Off</b>	Press <b>RADIO OFF</b> to disable. Press <b>RADIO ON</b> to enable.
	<b>Network Mode</b>	Choose one network mode from the drop down list.
	<b>Network Name(SSSID)</b>	The name of the wireless name, it can be any text numbers or various special characters.
	<b>Multiple SSSD1-3</b>	Set more wireless network.
	<b>Frequency</b>	Choose channel frequency.

## 4.6.2 Encryption

Open the **Wireless/Security** webpage to set up encryption.

<div><b>WIFI Security Setting</b></div> <div>Select SSID</div> <div>SSID choice: <input type="text" value="VWRT510131028"/></div> <div>"VWRT510131028"</div> <div>Security Mode: <input type="text" value="WPA2PSK"/></div> <div>WPA</div> <div>WPA Algorithms: <input type="radio"/> TKIP <input type="radio"/> AES <input checked="" type="radio"/> TKIPAES</div> <div>Pass Phrase: <input type="text" value="V5101037"/></div> <div>Key Renewal Interval: <input type="text" value="3600"/> Second in Month (0 ~ 4194303)</div> <div>Access Policy</div> <div>Policy: <input type="text" value="Disable"/></div> <div>Add a Station MAC: <input type="text"/></div>	<b>SSID Choice</b>	Choose one SSID from Off-premises 1, off-premises 2 and Premises.
	<b>Security Mode</b>	Select an appropriate encryption mode for the security and privacy of your wireless data packets. Each encryption mode will bring out a different web page to offer additional configurations.

## 4.7 Register

### 4.7.1 Get a SIP Account

VWRT510 has an FXS port used for SIP calls. Before registering you will need a SIP account from your administrator or provider.

### 4.7.2 Connect

Connect the VWRT510 to the Internet.

### 4.7.3 Configure SIP from Webpage

Step 1. Open SIP Account/Line 1 webpage.

Step 2. Fill in the SIP Server domain and SIP Server address (provided by your administrator or provider into Domain Name parameter, into SIP Server

Step 3. Fill account which get from you administrator into Display Name parameter, Phone Number parameter, and Account parameter.

Step 4. Fill password which get from you administrator into Password parameter.

Step 5. Click on Save in the bottom of the webpage to save changes.

Note: If **Please REBOOT to make the changes effective!** appears, Click **Reboot** to make changes effective.

StatusNetworkWireless**SIP Account**PhoneAdministrationSecurity

Line 1SIP SettingsVoIP QoS

Please REBOOT to make the changes effective!

Basic

Basic Setup

Line Enable: Peer To Peer:

Proxy and Registration

Proxy Server: Proxy Port:

Outbound Server: Outbound Port:

Backup Outbound Server: Backup Outbound Port:

Subscriber Information

Display Name: Phone Number:

Account: Password:

Audio Configuration

Codec Setup

Audio Codec Type 1: Audio Codec Type 2:

Audio Codec Type 3: Audio Codec Type 4:

## 4.7.4 View the Register Status

To view the status, open the Status webpage. If the value is registered as follows, the VWR510 is ready to make phone calls.

The screenshot shows the VWR510 Status webpage. At the top, there is a navigation bar with tabs: Status, Network, Wireless, SIP Account, Phone, Administration, and Security. Below this, there is a sub-navigation bar with tabs: Basic and Syslog. A red message states: "Please REBOOT to make the changes effective!". The main content area is divided into two sections: "Router Information" and "Line Status".

**Router Information**

Device Model:	VWR510
WAN MAC Address:	00:01:9F:13:10:29
LAN MAC Address:	00:01:9F:13:10:28
Hardware Version:	V1.1
Firmware Version:	V3.0(201307231719)
Serial Number:	RNV5101037

**Line Status**

Line 1 Status:	Disable
----------------	---------

## 4.8 Make Call

### 4.8.1 Calling phone or extension numbers

To make a phone or extension number call:

- Both ATA and the other VoIP device (i.e., another ATA or SIP product) must have public IP addresses, or
- Both ATA and the other VoIP device must be on the same LAN using private or public IP addresses, or
- Both ATA and the other VoIP device can be connected through a router using public or private IP addresses.

To make a call, pick up the analog phone or turn on the speakerphone and input the IP address directly, ending the input with "#".

### 4.8.2 Direct IP calls

Direct IP calling allows two phones, that is, an ATA with an analog phone and another VoIP

device, to talk to each other without a SIP proxy. VoIP calls can be made between two phones if:

- a) Both ATA and the other VoIP device (i.e., another ATA or SIP product) have public IP addresses, or
- b) Both ATA and the other VoIP device are on the same LAN using private or public IP addresses, or
- c) Both ATA and the other VoIP device can be connected through a router using public or private IP addresses.

To make a direct IP call, pick up the analog phone or turn on the speakerphone and input the IP address directly, ending the input with “#”.

### **4.8.3 Call Hold**

While in conversation, press “\*77” to put the remote end on hold. Then you will hear dial tone and the remote party will hear the hold tone.

Press “\*77” again to release the hold and resume bi-directional media.

### **4.8.4 Blind Transfer**

Assuming that call Party A and Party B are in conversation and A wants to blind transfer B to C, Party A dials “\*78” to get a dial tone, dials party C’s number and immediately presses “#” (or waits 4 seconds) to dial out. Party A can then hang up.

### **4.8.5 Attended Transfer**

Assuming that call Party A and Party B are in conversation. A wants to Attend Transfer B to C.

Step 1. Party A dials “\*77” to put Party B on hold, when Party A hears the dial tone, A dials C’s number, then Party A and Party C are in conversation.

Step 2. Party A dials “\*78” to transfer to C, now B and C are in conversation.

Step 3. If the transfer is not successful, A and B are in conversation again.

### **4.8.6 Conference**

Assuming that call Party A and Party B are in conversation. A wants to add C to the conference.

Step 1. Party A dials “\*77” to place Party B on hold, when Party A hears the dial tone, A dials C’s number, then party A and party C are in conversation.

Step 2. Party A dials “\*88” to add C, now A, B and C are in conference.

# 5 Web Configuration

This chapter will guide users in configuring through the web interface.

## 5.1 Login

Step 1. Connect the LAN port of the router to your PC

Step 2. Open a web browser on your PC and type in http://192.168.11.1. The window will ask for a username and password.

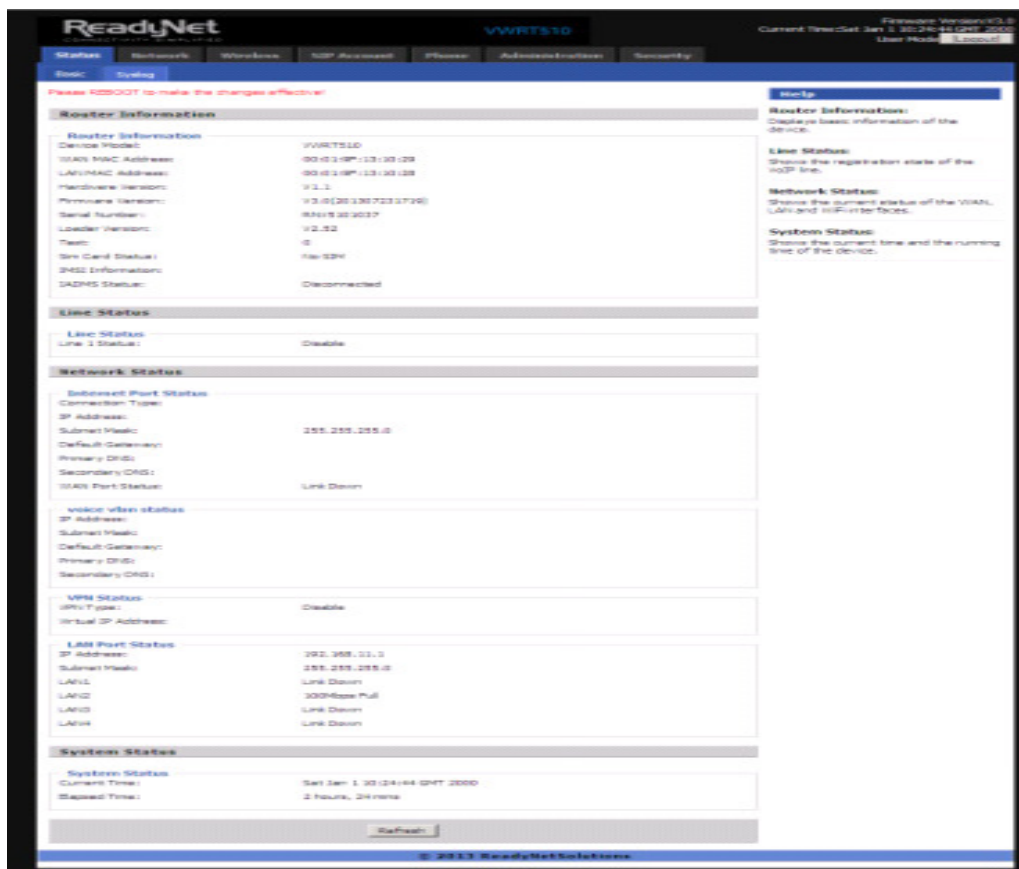
Step 3. Enter the Username and Password as indicated in the router packaging or on the router's back label.



After successful login, the webpage shows basic information about the router, such as the current WAN IP, DNS server IP, WAN port connection mode, WAN link status, wireless SSID, wireless channel and firmware version.

## 5.2 Configuring the WAN and LAN Ports

The main webpage shows status, product, network and system information. It shows the basic information of the product, such as product name, serial number, MAC address, hardware version and software version. It also shows Link Status, WAN Port Status, and LAN Port Status and current time and running time of the product.



## 5.2.1 WAN

This page allows you to set WAN configuration with different modes. Use the Connection Type drop down list to choose one WAN mode and then the corresponding page will be displayed.

### Static IP:

You will receive a fixed public IP address or a public subnet, namely multiple public IP addresses from your DSL or Cable ISP service providers. In most cases, a Cable service provider will offer a fixed public IP, while a DSL service provider will offer a public subnet. If you have a public subnet, you could assign an IP address to the WAN interface.

<div>INTERNET</div> <div>INTERNET</div> <div> Connect Name: TR069_VOICE_INTERNET_R_VID_2  Connect Mode: IPv4  INTERNET: Static  Static  IP Address: 192.168.20.132  Subnet Mask: 255.255.255.0  Default Gateway: 192.168.20.1  DNS Mode: Manual  Primary DNS Address: 192.168.20.1  Secondary DNS Address: 8.8.8.8 </div>	<b>IP Address</b>	Type the IP address
	<b>Subnet Mask</b>	Type the subnet mask
	<b>Gateway IP Address</b>	Type the gateway IP address
	<b>Primary DNS Server</b>	Type in the primary IP address for the route
	<b>Secondary DNS Server</b>	Type in secondary IP address for necessity in the future

### DHCP:

It is not necessary for you to type any IP address manually. Simply choose this type and the system will obtain the IP address automatically from DHCP server.

<div>INTERNET</div> <div>INTERNET</div> <div> Connect Name: TR069_VOICE_INTERNET_R_VID_2  Connect Mode: IPv4  INTERNET: DHCP  DNS Mode: Auto  Primary DNS Address:  Secondary DNS Address:    DHCP  DHCP Renew: Renew  DHCP Vendor (Option 60): READYNET-VWRT510 </div>	<b>DNS Mode</b>	Set the DNS Mode to Auto or Manual.  If Manual, fill in the primary and secondary DNS addresses.
	<b>Primary DNS Server</b>	Type in the primary IP address for the route.
	<b>Secondary DNS Server</b>	Type in secondary IP address for necessity in the future.

## PPPoE:

PPPoE stands for **Point-to-Point Protocol over Ethernet**. It relies on two widely accepted standards: PPP and Ethernet. It connects users through an Ethernet to the Internet with a common broadband medium, such as a single DSL line, wireless device or cable modem. All the users over the Ethernet can share a common connection.

PPPoE is mostly used by DSL modem users. All local users can share one PPPoE connection for accessing the Internet. Your service provider will provide you information about user name, password, and authentication mode.

	<b>PPPoE Account</b>	Assign a specific valid user name provided by the ISP.
	<b>PPPoE Password</b>	Assign a valid password provided by the ISP.
	<b>PPPoE Auto-Dial</b>	If or not enable PPPoE Password.
	<b>DNS Mode</b>	Set the DNS Mode to Auto or Manual. If Manual, fill in the primary and secondary DNS addresses.
	<b>Primary DNS Server</b>	Type in the primary IP address for the route.
	<b>Secondary DNS Server</b>	Type in secondary IP address for necessity in the future.

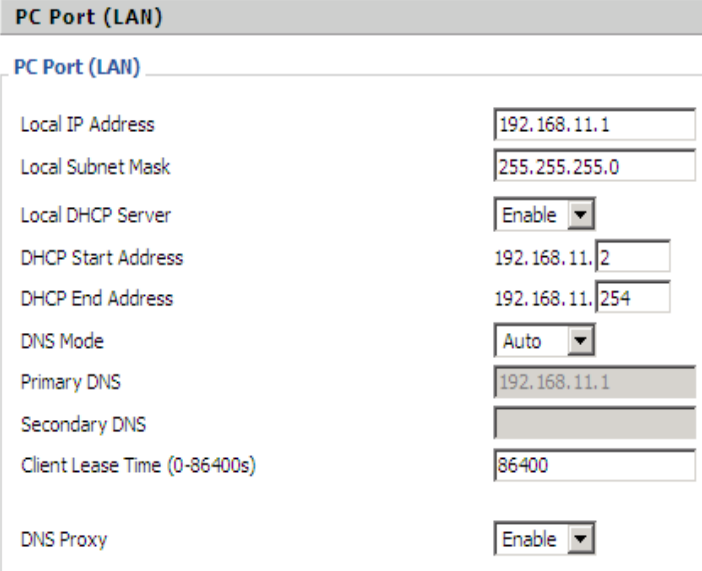
## DDNS Setting

	<b>DDNS Provider</b>	Use the drop down list to select one DDNS Provider domain.
	<b>DDNS Account</b>	Fill in the DDNS account.
	<b>DDNS Password</b>	Fill in the DDNS Password.
	<b>DDNS Name</b>	Fill in the DDNS name.

## 5.2.2 LAN

### LAN Port:


The most generic function of the router is NAT, which translates packets from public IP addresses to local IP addresses to forward the right packets to the right host and vice versa.

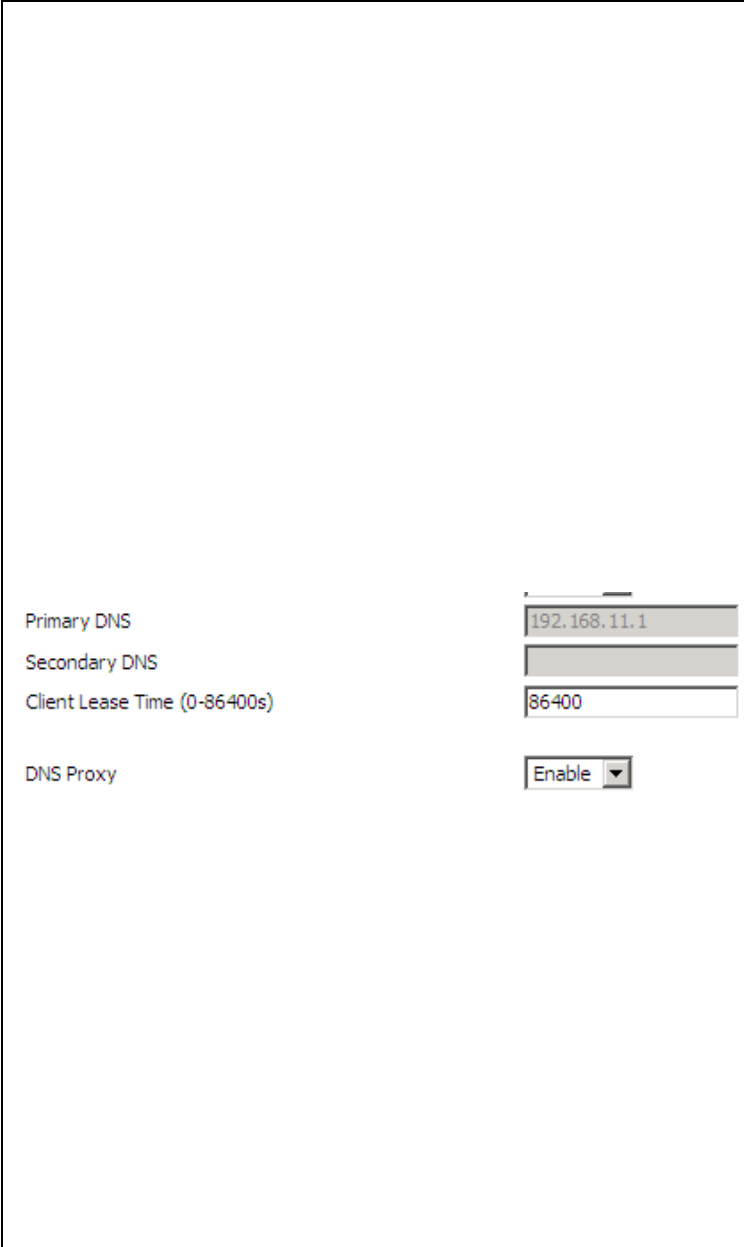
	<b>Local IP Address</b>	Type in local IP address (Default: 192.168.11.1)
	<b>Local Subnet Mask</b>	Type in an address code that determines the size of the network. (Default: 255.255.255.0/ 24)
	<b>Local DHCP Server</b>	If or not enable DHCP server.
	<b>DHCP Start/End Address</b>	The DHCP start/end address.
	<b>DNS Mode</b>	Set the DNS Mode to Auto or Manual. If Manual, fill in the primary and secondary DNS addresses.
	<b>Primary DNS Server</b>	Type in the primary IP address for the route
	<b>Secondary DNS Server</b>	Type in the secondary IP address for the route

### DHCP Server:

The router has a built-in DHCP server that assigns private IP address to each local host.

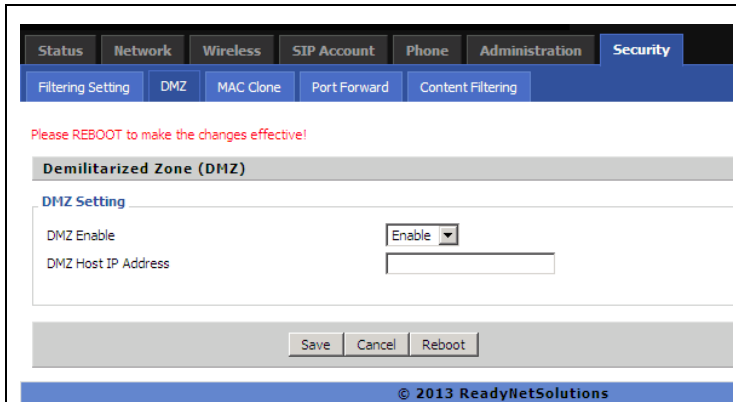
DHCP stands for Dynamic Host Configuration Protocol. The router by factory default acts as a DHCP server for your network so it automatically dispatches related IP settings to any local user configured as a DHCP client. It is highly recommended you leave the router enabled as a DHCP server if you do not have a DHCP server for your network.

	<b>Local DHCP Server</b>	To enable DHCP server.
	<b>DHCP Starting Address</b>	Enter a value of the IP address pool for the DHCP server to start with when issuing IP addresses.
	<b>DHCP Ending Address</b>	Enter a value of the IP address pool for the DHCP server to end with when issuing IP addresses.

	<b>Primary/Secondary DNS</b>	Input the primary or secondary DNS IP address.
	<b>Primary DNS</b>	You must specify a DNS server IP address here because your ISP should provide you with usually more than one DNS Server. If your ISP does not provide it, the router will automatically apply default DNS Server IP address: 202.96.134.33 to this field.
	<b>Secondary DNS</b>	You must specify a DNS server IP address here because your ISP should provide you with usually more than one DNS Server. If your ISP does not provide it, the router will automatically apply default DNS Server IP address: 202.96.128.86 to this field. If both the Primary and Secondary IP Address fields are left empty, the router will assign its own IP address to local users as a DNS proxy server and maintain a DNS cache.
	<b>Client Lease Time</b>	It allows you to set the leased time for the specified PC.
	<b>DNS Proxy</b>	If or not enable DNS proxy.

## 5.2.3 DMZ/Port Forward

### DMZ

	<b>DMZ Enable</b>	Enable DMZ
	<b>DMZ Host IP Address</b>	Enter the private IP address of the DMZ host

## Port Forward

The screenshot shows the 'Port Forward' configuration page. At the top, there are tabs for Status, Network, Wireless, SIP Account, Phone, Administration, and Security. Under the Security tab, there are sub-tabs for Filtering Setting, DMZ, MAC Clone, Port Forward, and Content Filtering. A red message says 'Please REBOOT to make the changes effective!'. Below this is a table for Port Forwarding with columns: No., Comment, IP Address, Port Range, and Protocol. There is one entry with No. 1, Comment 'ss', IP Address '192.168.11.19', Port Range '56-78', and Protocol 'TCP&UDP'. Below the table are buttons for 'Delete Selected', 'Add', and 'Edit'. Underneath is a section for 'Virtual Servers' with a similar table structure and 'Delete Selected', 'Add', and 'Edit' buttons. At the bottom, there is a copyright notice: '© 2013 ReadyNetSolutions'.

No.	Comment	IP Address	Port Range	Protocol
1	ss	192.168.11.19	56-78	TCP&UDP

No.	Comment	IP Address	Public Port	Private Port	Protocol
-----	---------	------------	-------------	--------------	----------

## 5.2.4 MAC Clone

Some ISPs will require you to register your MAC address. If you do not wish to re-register your MAC address, you can have the router clone the MAC address that is registered with your ISP. To use the Clone Address button, the computer viewing the Web-base utility screen will have the MAC address automatically entered in the Clone WAN MAC field.

The screenshot shows the 'MAC Address Clone' configuration page. It has the same top navigation as the previous page. A red message says 'Please REBOOT to make the changes effective!'. Below this is a section titled 'MAC Address Clone'. Inside, there is a 'MAC Address Clone' dropdown menu set to 'Enable', and a 'MAC Address' input field. To the right of the input field is a button labeled 'Get Current PC MAC'. At the bottom are buttons for 'Save', 'Cancel', and 'Reboot'. To the right of the screenshot, there are three steps: Step 1. Press 'Get Current PC MAC' to clone the current PC or MAC address to router's Internet port.. Step 2. Press 'Save' to save the changes. Step 3. Press Reboot to make changes effective.

Step 1. Press **Get Current PC MAC** to clone the current PC or MAC address to router's Internet port..

Step 2. Press **Save** to save the changes.

Step 3. Press Reboot to make changes effective.

## 5.2.5 Multi WAN

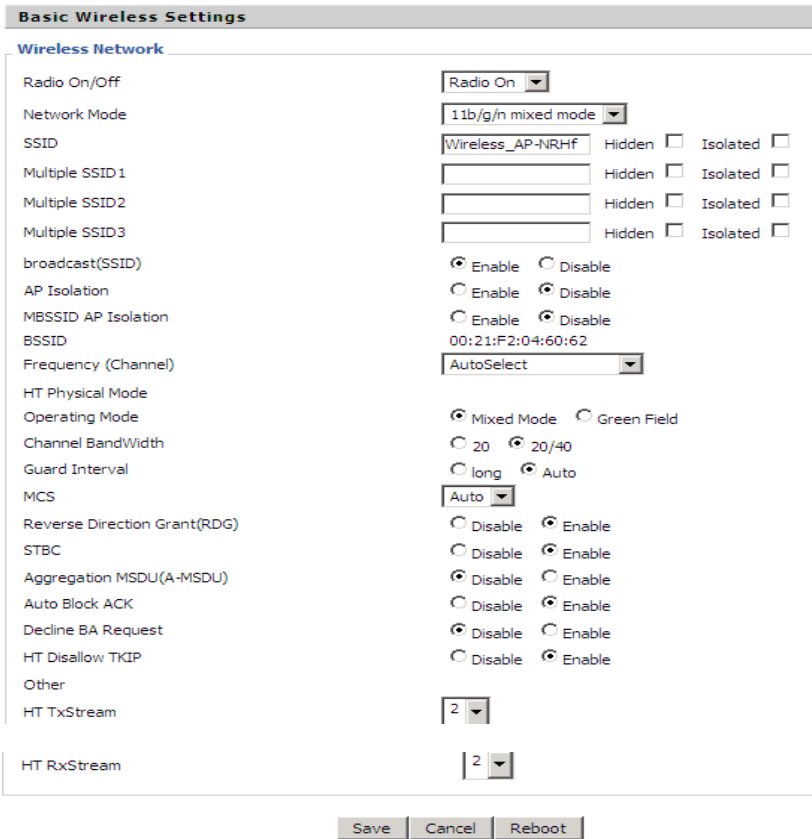
The screenshot shows the 'Multi WAN' configuration page. At the top, there are tabs for Status, Network, Wireless, SIP Account, Phone, Administration, and Security. Under the Network tab, there are sub-tabs for WAN, LAN, VPN, DDNS, Advanced, Port Settings, Multi WAN, and QoS. A red message says 'Please REBOOT to make the changes effective!'. Below this is a table with columns: Index, Name, VLAN ID, 802.1p, and Operation. There is one entry with Index 1, Name '1\_TR069\_VOICE\_INTERNET\_R \_VID\_2', VLAN ID 2, and 802.1p 0. Below the table are buttons for 'Add', 'Edit', and 'Delete'. At the bottom are buttons for 'Save', 'Cancel', and 'Reboot'. To the right of the screenshot, there is a detailed configuration form for the selected entry. It has fields for 'VLAN ID' (set to 2), '802.1p' (set to 0), 'Bridge Mode' (set to 'Route'), 'Service' (set to 'TR069\_VOICE\_INTERNET'), and 'Take VLAN tag' (set to 'Disable'). At the bottom of this form are buttons for 'Save', 'Cancel', and 'Reboot'.

Index	Name	VLAN ID	802.1p	Operation
1	1_TR069_VOICE_INTERNET_R _VID_2	2	0	Edit Delete

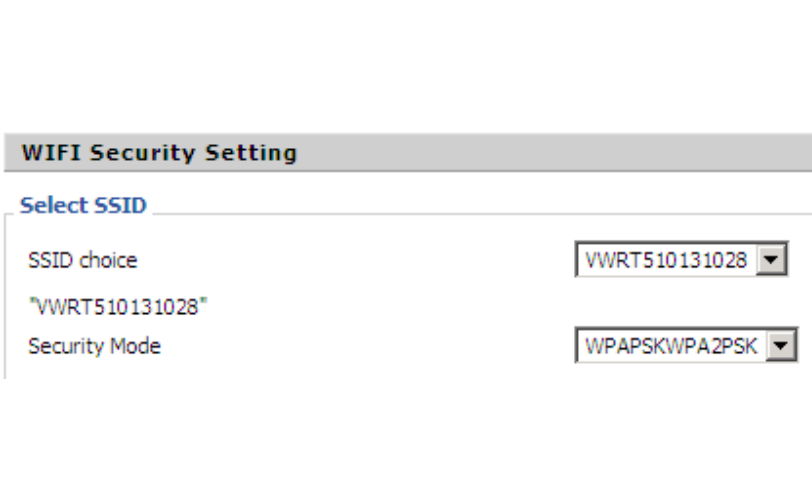
Index	Name	VLAN ID	802.1p	Operation
1	1_TR069_VOICE_INTERNET_R _VID_2	2	0	Edit Delete

## 5.3 Wireless

### 5.3.1 Basic

	<b>Radio On/Off</b>	Select Radio On to enable the wireless, select Radio Off to disable wireless.
	<b>Network Mode</b>	Choose one network mode from the five types.
	<b>SSID</b>	The name of the wireless. It can be any text numbers or various special characters. The default SSID is "VWRT510XXXXX (last 5 digits of the LAN MAC)".
	<b>Multiple SSID1-3</b>	User can set multiple SSIDs.
	<b>Broadcast (SSID)</b>	Enable SSID broadcast.

### 5.3.2 Wireless Security

	<b>SSID Choice</b>	Choose one SSID from SSID, Multiple SSID1, Multiple SSID2 and Multiple SSID3.
	<b>Security Mode</b>	Select an appropriate encryption mode to improve the security and privacy of your wireless data packets. Each encryption mode will activate a different web page to configure.

### 5.3.3 WMM

Status	Network	Wireless	SIP Account	Phone	Administration	Security
Basic	Wireless Security	WMM	WPS	Station Info		

Please REBOOT to make the changes effective!

WMM Parameters of Access Point						
	Aifsn	CWMin	CWMax	Txop	ACM	ACK Policy
AC_BE	3	15	63	0	<input type="checkbox"/>	<input type="checkbox"/>
AC_BK	7	15	1023	0	<input type="checkbox"/>	<input type="checkbox"/>
AC_VI	1	7	15	94	<input type="checkbox"/>	<input type="checkbox"/>
AC_VO	1	3	7	47	<input type="checkbox"/>	<input type="checkbox"/>

WMM Parameters of Station					
	Aifsn	CWMin	CWMax	Txop	ACM
AC_BE	3	15	1023	0	<input type="checkbox"/>
AC_BK	7	15	1023	0	<input type="checkbox"/>
AC_VI	2	7	15	94	<input type="checkbox"/>
AC_VO	2	3	7	47	<input type="checkbox"/>

Apply Cancel Close

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### 5.3.4 WPS

WPS (Wi-Fi Protected Setup) provides an easy procedure to make a network connection between a wireless station and a wireless access point (router) with the encryption of WPA and WPA2.

It is the simplest way to build a connection between wireless network clients and the router. Users do not need to select any encryption mode or type a long encryption passphrase to set up a wireless client every time. Users need only press a button on the wireless client and WPS will connect the client and router automatically.

<table border="1"> <tr> <td>Status</td> <td>Network</td> <td>Wireless</td> <td>SIP Account</td> <td>Phone</td> <td>Administration</td> <td>Security</td> </tr> <tr> <td>Basic</td> <td>Wireless Security</td> <td>WMM</td> <td>WPS</td> <td>Station Info</td> <td colspan="2"></td> </tr> </table> <p>Please REBOOT to make the changes effective!</p> <p><b>WPS Setting</b></p> <p>WPS Config</p> <p>WPS: <input type="button" value="Enable"/></p> <p><input type="button" value="Apply"/></p>	Status	Network	Wireless	SIP Account	Phone	Administration	Security	Basic	Wireless Security	WMM	WPS	Station Info			<table border="1"> <tr> <td><b>WPS</b></td> <td>Enable WPS.</td> </tr> <tr> <td><input type="button" value="Apply"/></td> <td>Press the button to apply.</td> </tr> </table>	<b>WPS</b>	Enable WPS.	<input type="button" value="Apply"/>	Press the button to apply.
Status	Network	Wireless	SIP Account	Phone	Administration	Security													
Basic	Wireless Security	WMM	WPS	Station Info															
<b>WPS</b>	Enable WPS.																		
<input type="button" value="Apply"/>	Press the button to apply.																		

## 5.3.5 Station list

Status	Network	Wireless	SIP Account	Phone	Administration	Security
Basic	Wireless Security	WMM	WPS	Station Info		

Please REBOOT to make the changes effective!

**Wireless Network**

**Wireless Network**

MAC Address	Aid	PSM	MimoPS	MCS	BW	SGI	STBC
-------------	-----	-----	--------	-----	----	-----	------

## 5.3.6 Advanced

**Advanced Wireless**

**Advanced Wireless**

BG Protection Mode	Auto
Beacon Interval	100 ms ms (range 20 - 999, default 100)
Data Beacon Rate (DTIM)	3 ms (range 1 - 255, default 3)
Fragment Threshold	2346 (range 256 - 2346, default 2346)
RTS Threshold	2347 (range 1 - 2347, default 2347)
TX Power	100 (range 1 - 100, default 100)
Short Preamble	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Short Slot	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Tx Burst	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Pkt Aggregate	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
IEEE 802.11H Support	<input type="radio"/> Enable <input checked="" type="radio"/> Disable (only in A band)
Wi-Fi Multimedia	
WMM Capable	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
APSD Capable	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
WMM Parameters	WMM Configuration
Multicast-to-Unicast Converter	
Multicast-to-Unicast	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

## 5.4 SIP Account

### 5.4.1 SIP Settings

Status	Network	Wireless	<b>SIP Account</b>	Phone	Administration	Security
Line 1	SIP Settings	VoIP QoS				

Please REBOOT to make the changes effective!

#### SIP Parameters

**SIP Parameters**

SIP T1:	<input type="text" value="500"/>	MS	Max Forward:	<input type="text" value="70"/>
SIP Reg User Agent Name:	<input type="text"/>		Max Auth:	<input type="text" value="2"/>
Mark All AVT Packets:	<input type="text" value="Enable"/>		RFC 2543 Call Hold:	<input type="text" value="Enable"/>
SRTP:	<input type="text" value="Disable"/>		SRTP Prefer Encryption :	<input type="text" value="AES_CM"/>
Service Type:	<input type="text" value="Common"/>			

#### NAT Traversal

**NAT Traversal**

NAT Traversal:	<input type="text" value="Disable"/>	STUN Server Address:	<input type="text"/>
NAT Refresh Interval (sec):	<input type="text" value="60"/>	STUN Server Port:	<input type="text" value="3478"/>

### 5.4.2 Line 1

<a href="#">Status</a> <a href="#">Networks</a> <a href="#">Wireless</a> <a href="#">SIP Account</a> <a href="#">Phone</a> <a href="#">Administration</a> <a href="#">Security</a>		
<a href="#">Line 1</a> <a href="#">SIP Settings</a> <a href="#">VoIP QoS</a>		
<p><b>Please REBOOT to make the changes effective!</b></p>		
<h3>Basic</h3> <div> <div> <b>Basic Setup</b> </div> <div> Line Enable: <input type="button" value="Disable"/> Peer To Peer: <input type="button" value="Disable"/> </div> </div> <div> <b>Proxy and Registration</b> </div> <div> <div> Proxy Server: <input type="text" value="192.168.20.1"/> </div> <div> Outbound Server: <input type="text"/> </div> <div> Backup Outbound Server: <input type="text"/> </div> <div> Proxy Port: <input type="text" value="5060"/> </div> <div> OutboundPort: <input type="text" value="5060"/> </div> <div> Backup Outbound Port: <input type="text" value="5060"/> </div> </div> <div> <b>Subscriber Information</b> </div> <div> <div> Display Name: <input type="text" value="support"/> </div> <div> Phone Number: <input type="text" value="8002"/> </div> <div> Account: <input type="text" value="8002"/> </div> <div> Password: <input type="text" value="*****"/> </div> </div>		<h3>Help</h3> <p><b>Basic</b> Set the basic information provided by your VoIP Service Provider, such as Phone Number, Account, password, SIP Proxy and so on.</p> <p><b>Audio Configuration</b> Select the audio Codec you want to use.</p> <p><b>Supplementary Service Subscription</b> Call Waiting - This call feature allows your phone to accept other incoming calls during the conversation.</p> <p><b>Advanced</b> The advanced parameters for Administrator.</p>
<h3>Audio Configuration</h3> <div> <b>Codec Setup</b> </div> <div> <div> Audio Codec Type 1: <input type="button" value="G.711A"/> </div> <div> Audio Codec Type 2: <input type="button" value="G.711A"/> </div> <div> Audio Codec Type 3: <input type="button" value="G.711A"/> </div> <div> Packet Cycle (ms): <input type="text" value="10ms"/> </div> <div> Echo Cancel: <input type="button" value="Disable"/> </div> <div> T.38 Enable: <input type="button" value="Disable"/> </div> <div> T.38 OnG Detect Enable: <input type="button" value="Disable"/> </div> <div> Audio Codec Type 4: <input type="button" value="G.711A"/> </div> <div> G.723 Coding Speed: <input type="button" value="5.3k Sps"/> </div> <div> Silence Supp: <input type="button" value="Disable"/> </div> <div> T.38 Redundancy: <input type="button" value="Disable"/> </div> </div>		
<h3>Supplementary Service Subscription</h3> <div> <b>Supplementary Services</b> </div> <div> <div> Call Waiting: <input type="button" value="Disable"/> </div> <div> MIS: Enable: <input type="button" value="Disable"/> </div> <div> DND: <input type="button" value="Disable"/> </div> <div> Net Line: <input type="text"/> </div> <div> Voice Mailbox Number: <input type="text"/> </div> </div>		
<h3>Advanced</h3> <div> <b>Advanced Setup</b> </div> <div> <div> Domain Name Type: <input type="button" value="Disable"/> </div> <div> Signal Port: <input type="text" value="5060"/> </div> <div> RPC2010 Payload (&gt;=96): <input type="text" value="1 bit"/> </div> <div> RTP Port: <input type="text" value="0"/> </div> <div> Session Refresh Time (sec): <input type="text" value="0"/> </div> <div> Prack Enable: <input type="button" value="Disable"/> </div> <div> Primary SIP Detect Interval: <input type="text" value="0"/> </div> <div> Keep alive Interval (30-60 s): <input type="text" value="15"/> </div> <div> Anonymous Call Block: <input type="button" value="Disable"/> </div> <div> Use OS Proxy In Dialog: <input type="button" value="Disable"/> </div> <div> Reg Subscribe Enable: <input type="button" value="Disable"/> </div> <div> Call Prefix: <input type="text"/> </div> <div> Hold Method: <input type="button" value="ReINVITE"/> </div> <div> Only Recv Request From Ser-ve: <input type="button" value="Disable"/> </div> <div> Server Address: <input type="text"/> </div> <div> Carry Port Information: <input type="button" value="Disable"/> </div> <div> DNF Type: <input type="button" value="Inband"/> </div> <div> Register Refresh Interval (s-ec): <input type="text" value="3600"/> </div> <div> Cancel Message Enable: <input type="button" value="Disable"/> </div> <div> Refresher: <input type="button" value="BAC"/> </div> <div> SIP OPTIONS Enable: <input type="button" value="Disable"/> </div> <div> Max Default Pst Count: <input type="text" value="3"/> </div> <div> Anonymous Call: <input type="button" value="Disable"/> </div> <div> Proxy DNS Type: <input type="button" value="A Type"/> </div> <div> VPN: <input type="button" value="Disable"/> </div> <div> User Type: <input type="button" value="IP"/> </div> <div> Request-URI User Check: <input type="button" value="Disable"/> </div> </div>		
<div> <input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Reboot"/> </div>		

## 5.4.3 VoIP QoS

Status	Network	Wireless	<b>SIP Account</b>	Phone	Administration	Security
Line 1	<b>SIP Settings</b>	VoIP QoS				

Please REBOOT to make the changes effective!

### QoS Settings

#### Layer 3 QoS

SIP QoS(0-63)	<input type="text" value="0"/>
RTP QoS(0-63)	<input type="text" value="0"/>
Data QoS(0-63)	<input type="text" value="0"/>

## 5.5 Phone

### 5.5.1 Preferences

Status	Network	Wireless	SIP Account	<b>Phone</b>	Administration	Security
Preferences	Dial Plan	Call Log				

Please REBOOT to make the changes effective!

### Preferences

#### Volume Settings

Handset Input Gain:	<input type="text" value="5"/>	Handset volume:	<input type="text" value="5"/>
Speakersphone Input Gain:	<input type="text" value="5"/>	Speaker volume:	<input type="text" value="5"/>
Ring volume:	<input type="text" value="5"/>	Speakersphone Mic Boost:	<input type="text" value="Disable"/>

#### Regional

Time Zone:	<input type="text" value="USA"/>	Max Jitter Delay (ms):	<input type="text" value="60"/>
Dial Tone:	<input type="text"/>	Ring Time (Sec):	<input type="text" value="60"/>
Busy Tone:	<input type="text"/>	Regional Ring voltage:	<input type="text" value="70"/>
Off Hook Warning Tone:	<input type="text"/>	Regional Ring Frequency:	<input type="text" value="25"/>
Ring Back Tone:	<input type="text"/>	Flash Time Min:	<input type="text" value="0.1"/>
Call Waiting Tone:	<input type="text"/>		

#### Features

All Forward:	<input type="text" value="Disable"/>	Busy Forward:	<input type="text" value="Disable"/>
No Answer Forward:	<input type="text" value="Disable"/>		

#### Call Forward

All Forward:	<input type="text"/>	Busy Forward:	<input type="text"/>
No Answer Forward:	<input type="text"/>	No Answer Timeout:	<input type="text" value="20"/>

#### Feature Code

Hold Key Code:	<input type="text" value="F77"/>	Conference Key Code:	<input type="text" value="F88"/>
Transfer Key Code:	<input type="text" value="F99"/>	DNR Key Code:	<input type="text" value="F00"/>
R Key Enable:	<input type="text" value="Disable"/>	R Key Cancel Code:	<input type="text" value="R1"/>
R Key Hold Code:	<input type="text" value="R2"/>	R Key Transfer Code:	<input type="text" value="R4"/>
R Key Conference Code:	<input type="text" value="R3"/>		

#### Feature Code

Chfd All On Code:	<input type="text"/>	Chfd All Off Code:	<input type="text"/>
Chfd Busy On Code:	<input type="text"/>	Chfd Busy Off Code:	<input type="text"/>
Chfd No Ans On Code:	<input type="text"/>	Chfd No Ans Off Code:	<input type="text"/>
DND On Code:	<input type="text"/>	DND Off Code:	<input type="text"/>

#### Miscellaneous

Auto Answer:	<input type="text" value="Disable"/>	Auto Answer by Call ID:	<input type="text" value="Create"/>
Codec Load Current:	<input type="text" value="28"/>	Impedance Matching:	<input type="text" value="US, PEK, Korea, T"/>
CD Service:	<input type="text" value="Enable"/>	Call ID Service:	<input type="text" value="Create"/>
Dial Time Out (DIT):	<input type="text" value="5"/>	Call Immediately Key:	<input type="text" value="*"/>
Auto Hookup Mode:	<input type="text" value="Enable"/>	Preferred Audio Device:	<input type="text" value="Create"/>
ICMP Ping:	<input type="text" value="Disable"/>	Escaped char enable:	<input type="text" value="Create"/>

Save Cancel Reboot

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## 5.5.2 Dial Plan

StatusNetworkWirelessSIP Account**Phone**AdministrationSecurity

PreferencesDial PlanCall Log

Please REBOOT to make the changes effective!

**Dial Plan**

**General**

Dial Plan: 

Enable

#	Line	Digit Map	Action	Move Up	Move Down	
1	Line1	8,xxx	Dial Out	▲	▼	<input type="checkbox"/>

Line

Digit Map

Action

Line1

Deny

OK

Cancel

## 5.5.3 Call Log

Redial List					
Index	NUMBER	Start Time	Duration		
1	501	08/13 09:13	00:00:01	<input type="checkbox"/>	
2	550	08/13 15:56	00:00:03	<input type="checkbox"/>	
3	550	08/13 16:00	00:00:07	<input type="checkbox"/>	
4	1001	08/13 16:12	00:00:01	<input type="checkbox"/>	
5	550	08/13 16:12	00:00:08	<input type="checkbox"/>	
6	550	08/13 16:16	00:00:10	<input type="checkbox"/>	
7	550	08/13 16:32	00:00:56	<input type="checkbox"/>	
8	550	08/13 16:38	00:00:22	<input type="checkbox"/>	
9	550	08/13 17:06	00:00:22	<input type="checkbox"/>	
10	550	08/13 17:07	00:01:01	<input type="checkbox"/>	
11	550	08/13 17:10	00:00:00	<input type="checkbox"/>	

Answered Calls					
Index	NUMBER	Start Time	Duration		
1	501	08/13 09:13	00:00:15	<input type="checkbox"/>	
2	015910695671	08/13 09:58	00:03:44	<input type="checkbox"/>	

## 5.6 Security

### 5.6.1 Filtering Setting

**Basic Settings**

**Basic Settings**  
MAC/IP/Port Filtering   
Default Policy   
The packet that don't match with any rules would be:

**IP/Port Filter Settings**  
Mac address   
Dest IP Address   
Source IP Address   
Protocol   
Dest. Port Range  -   
Src Port Range  -   
Action   
Comment   
(The maximum rule count is 32.)

**Current MAC/IP/Port filtering rules in system**

#	Mac address	Dest IP Address	Source IP Address	Protocol	Dest. Port Range	Src Port Range	Action	Comment	PktCnt
Others would be dropped.									

### 5.6.2 DMZ

**Status** **Network** **Wireless** **SIP Account** **Phone** **Administration** **Security**

**Filtering Setting** **DMZ** **MAC Clone** **Port Forward** **Content Filtering**

Please REBOOT to make the changes effective!

**Demilitarized Zone (DMZ)**

**DMZ Setting**  
DMZ Enable   
DMZ Host IP Address

## 5.6.3 MAC Clone

**MAC Address Clone**

**MAC Address Clone**

MAC Address Clone

MAC Address

## 5.6.4 Port Forward

StatusNetworkWirelessSIP AccountPhoneAdministration**Security**

Filtering SettingDMZMAC Clone**Port Forward**Content Filtering

Please REBOOT to make the changes effective!

Port Forwarding

No.	Comment	IP Address	Port Range	Protocol
1 <input type="checkbox"/>	ss	192.168.11.19	56-78	TCP&UDP

Delete SelectedAddEdit

Virtual Servers

No.	Comment	IP Address	Public Port	Private Port	Protocol
-----	---------	------------	-------------	--------------	----------

Delete SelectedAddEdit

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## 5.6.5 Content Filtering

**Webs URL Filter Settings**

**Current Webs URL Filters:**

No.	URL
-----	-----

DeleteCancel

**Add a URL Filter:**

URL: 

AddCancel

**Webs Host Filter Settings**

**Current Website Host Filters:**

No.	Host(Keyword)
-----	---------------

DeleteCancel

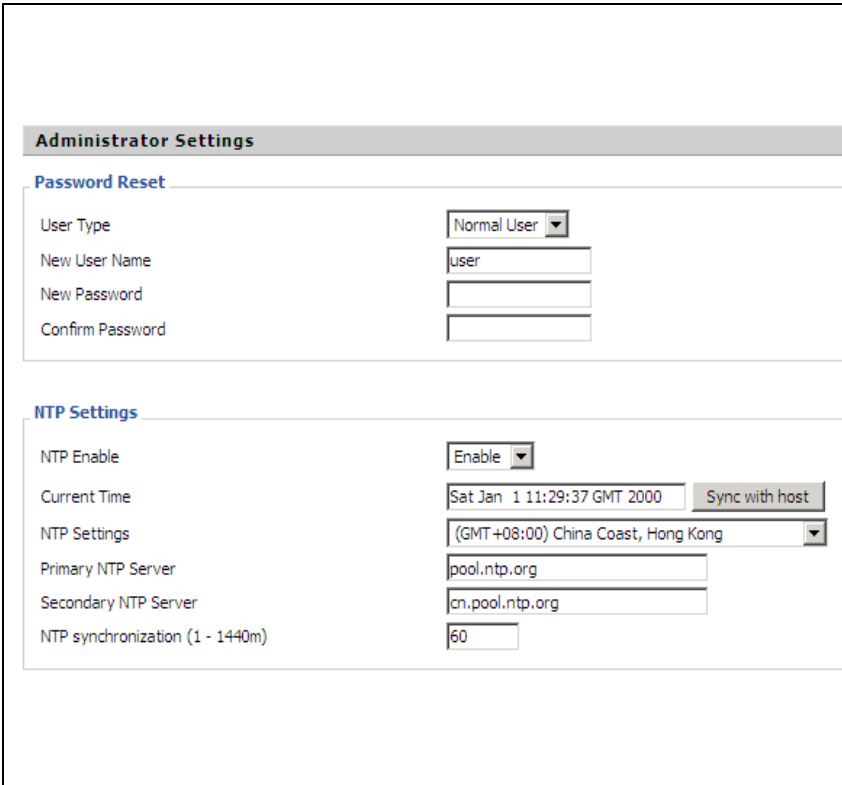
**Add a Host (keyword) Filter:**

Keyword: 

AddCancel

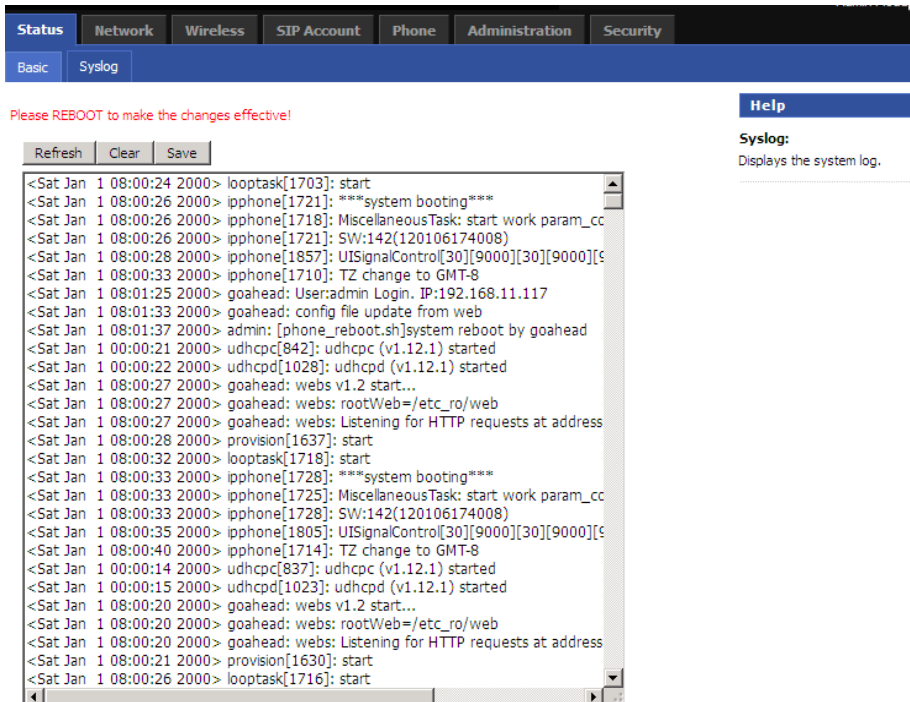
## 5.7 Administration

### 5.7.1 Management

	<b>User Type</b>	Select the user type
	<b>New User Name</b>	User can change new user name
	<b>New Password</b>	Input the new password
	<b>Confirm Password</b>	Confirm the password
	<b>NTP Enable</b>	Enable NTP
	<b>Current Time</b>	Display the current time.
	<b>NTP Settings</b>	Select the time zone.
	<b>Primary NTP Server</b>	The primary NTP server
	<b>Secondary NTP Server</b>	The secondary NTP server
	<b>NTP synchronization</b>	Set the NTP synchronization.

## 5.8 System Log

By default, the local system log is enabled. User can check the system log in **Status-->Basic**.



Please REBOOT to make the changes effective!

Help

Syslog:  
Displays the system log.

Refresh Clear Save

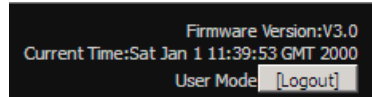
```

<Sat Jan 1 08:00:24 2000> looptask[1703]: start
<Sat Jan 1 08:00:26 2000> ipphone[1721]: ***system booting***
<Sat Jan 1 08:00:26 2000> ipphone[1718]: MiscellaneousTask: start work param_cc
<Sat Jan 1 08:00:26 2000> ipphone[1721]: SW:142(120106174008)
<Sat Jan 1 08:00:28 2000> ipphone[1857]: UISignalControl[30][9000][30][9000][9
<Sat Jan 1 08:00:33 2000> ipphone[1710]: TZ change to GMT-8
<Sat Jan 1 08:01:25 2000> goahead: User:admin Login. IP:192.168.11.117
<Sat Jan 1 08:01:33 2000> goahead: config file update from web
<Sat Jan 1 08:01:37 2000> admin: [phone_reboot.sh]system reboot by goahead
<Sat Jan 1 00:00:21 2000> udhccpc[842]: udhccpc (v1.12.1) started
<Sat Jan 1 00:00:22 2000> udhccpd[1028]: udhccpd (v1.12.1) started
<Sat Jan 1 08:00:27 2000> goahead: webs v1.2 start...
<Sat Jan 1 08:00:27 2000> goahead: webs: rootWeb=/etc_ro/web
<Sat Jan 1 08:00:27 2000> goahead: webs: Listening for HTTP requests at address
<Sat Jan 1 08:00:28 2000> provision[1637]: start
<Sat Jan 1 08:00:32 2000> looptask[1718]: start
<Sat Jan 1 08:00:33 2000> ipphone[1728]: ***system booting***
<Sat Jan 1 08:00:33 2000> ipphone[1725]: MiscellaneousTask: start work param_cc
<Sat Jan 1 08:00:33 2000> ipphone[1728]: SW:142(120106174008)
<Sat Jan 1 08:00:35 2000> ipphone[1805]: UISignalControl[30][9000][30][9000][9
<Sat Jan 1 08:00:40 2000> ipphone[1714]: TZ change to GMT-8
<Sat Jan 1 00:00:14 2000> udhccpc[837]: udhccpc (v1.12.1) started
<Sat Jan 1 00:00:15 2000> udhccpd[1023]: udhccpd (v1.12.1) started
<Sat Jan 1 08:00:20 2000> goahead: webs v1.2 start...
<Sat Jan 1 08:00:20 2000> goahead: webs: rootWeb=/etc_ro/web
<Sat Jan 1 08:00:20 2000> goahead: webs: Listening for HTTP requests at address
<Sat Jan 1 08:00:21 2000> provision[1630]: start
<Sat Jan 1 08:00:26 2000> looptask[1716]: start

```

## 5.9 Logout

Press **logout** to exit.



## 5.10 Reboot

Press the **Reboot** button to reboot VWR510.

# 6 FCC Statement

This device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices)

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

