

The FWR7302

High Speed Router

User's Guide



indoor use only

V1.0



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1 Preface

Thank you for choosing FWR7302 wireless router with VoIP. This product will allow you to make ATA call using your broadband connection, and provides Wi-Fi router function.

This manual provides basic information on how to install and connect FWR7302 wireless router with VoIP to the Internet. It also includes features and functions of wireless router with VoIP components, and how to use it correctly.

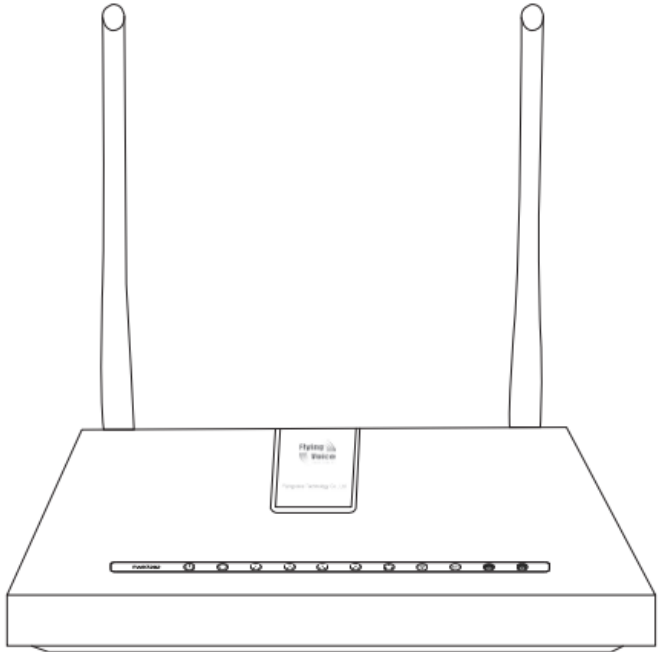
Before you can connect FWR7302 to the Internet and use it, you must have a high-speed broadband connection installed. A high-speed connection includes environments such as DSL, cable modem, and a leased line.

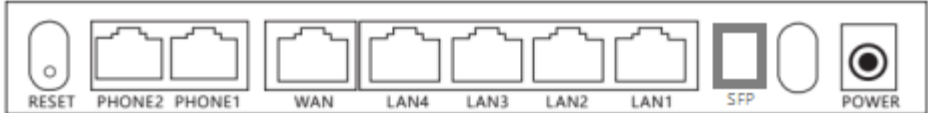
FWR7302 wireless router with VoIP is a stand-alone device, which requires no PC to make Internet calls. This product guarantees clear and reliable voice quality on Internet, which is fully compatible with SIP industry standard and able to interoperate with many other SIP devices and software on the market.

2 LED Indicators and Connectors

Before you use the high speed router, please get acquainted with the LED indicators and connectors first.

2.1 LED Indicators

Front Panel	LED	Status	Explanation
	PHONE1/2	Blinking(Green)	Not registered.
		On (Green)	Registered
	system	On (Green)	Wireless access point is ready.
		Blinking(Green)	It will blink while wireless traffic goes through.
	SFP	On	It will on when connect the SFP model
		Off	It will off when not connect the SFP model
	2.4G	Blinking(Green)	Data transfer
		On(Green)	2.4G work
		Off	2.4G disable
	5G	Blinking(Green)	Data transfer
		On(Green)	5G work
		Off	5G disable
	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
	DC 12V/1.5A	Connector for a power adapter.
	PHONE2	Connect to the phone.
	WAN	Connector for accessing the Internet.
	LAN (1/2/3/4)	Connectors for local network devices.
	SFP	Coneect to SFP model

2.2 Hardware Installation

Before starting to configure the router, you have to connect your devices correctly.

Step 1. Connect Line port to land line jack with a RJ-11 cable.

Step 2. Connect the WAN port to a modem or switch or router or Internet with an Ethernet cable.

Step 3. Connect one port of 4 LAN ports to your computer with a RJ-45 cable. This device allows you to connect 4 PCs directly.

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

3 Voice Prompt

In any circumstance, pressing the following command to enter relevant function. The following table lists command, and description.

Voice Menu Setting Options

Operation code	Contents
1	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “1”, and FWR7202 report the current WAN port connection type Step 3.Prompt "Please enter password", user need to input password with end char # if user want to configuration WAN port connection type. ✧ The password in IVR is same as the one of WEB login, user can use phone keypad to enter password directly, and the matching table is in Note
2	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “2”, and FWR7202 report current WAN Port IP Address Step 3.Input the new WAN port IP address and with the end char #, ✧ using “*” to replace “.”, user can input 192*168*20*168 to set the new IP address 192.168.20.168 ✧ press # key to indicate that you have finished Step 4.Report “operation successful” if user operation properly. ✧ Note: If you want to quit by the wayside, press “**”.
3	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “3”, and FWR7202 report current WAN port subnet mask Step 3.Input a new WAN port subnet mask and with the end char # ✧ using “*” to replace “.”, user can input 255*255*255*0 to set the new WAN port subnet mask 255.255.255.0 ✧ press # key to indicate that you have finished 3) Report “operation successful” if user operation properly. ✧ Note: If you want to quit by the wayside, press “**”.
4	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “4”, and FWR7202 report current gateway Step 3.Input the new gateway and with the end char # ✧ using “*” to replace “.”, user can input 192*168*20*1 to set the new gateway 192.168.20.1 ✧ press # (pound) key to indicate that you have finished 3) Report “operation successful” if user operation properly. ✧ Note: If you want to quit by the wayside, press “**”.
5	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “5”, and FWR7202 report current DNS Step 3.Input the new DNS and with the end char # ✧ using “*” to replace “.”, user can input 192*168*20*1 to set the new gateway 192.168.20.1 ✧ press # (pound) key to indicate that you have finished 3) Report “operation successful” if user operation properly. ✧ If you want to quit by the wayside, press “**”.

6	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “6”, and FWR7202 report “Factory Reset” Step 3.Prompt "Please enter password", the method of inputting password is the same as operation 1. ✧ If you want to quit by the wayside, press “*”. Step 4.Prompt “operation successful” if password is right and then FWR7202 will be factory setting. Step 5.Press “7” reboot to make changes effective.
7	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “7”, and FWR7202 report “Reboot” Step 3.Prompt "Please enter password", the method of inputting password is same as operation 1. Step 4.FWR7202 will reboot if password is right and operation is properly.
8	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “8”, and FWR7202 report “WAN Port Login” Step 3.Prompt "Please enter password", the method of inputting password is same as operation 1. ✧ If you want to quit by the wayside, press “*”. Step 4.Report “operation successful” if user operation properly. Step 5.Prompt “1enable 2disable”,choose 1 or 2, and with confirm char # Step 6.Report “operation successful” if user operation properly.
9	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “9”, and FWR7202 report “ WEB Access Port” Step 3.Prompt “Please enter password”, the method of inputting password is same as operation 1. Step 4.Report “operation successful” if user operation properly. Step 5.Report the current WEB Access Port Step 6.Set the new WEB access port and with end char # Step 7. Report “operation successful” if user operation properly.
0	Step 1.Pick up phone and press “****” to start IVR Step 2.Choose “0”, and FWR7202 report current Firmware version

Notice:

- ◆ When using Voice Menu, press * (star) to return the main menu.
- ◆ If any changes made in the IP assignment mode, please reboot the FWR7302 to take the setting into effect.
- ◆ When enter IP address or subnet mask, use “*” (Star) to replace “.” (Dot).

For example, to enter the IP address 192.168.20.159 by keypad, press these keys: 192*168*20*159,use the #(pound) key to indicate that you have finished entering the IP address.

- ◆ #(pound) key to indicate that you have finish entering the IP address or subnet mask
- ◆ When assigning IP address in Static IP mode, setting IP address, subnet mask and default gateway is a must. If in DHCP mode, please make sure that DHCP SERVER is available in your existing broadband connection to which WAN port of FWR7302 is connected.
- ◆ The default LAN port IP address of FWR7302 is 192.168.1.1 and do not set the WAN port IP address of FWR7302 in the same network segment of LAN port of FWR7302, otherwise it may lead to the FWR7302 fail to work properly.
- ◆ You can enter the password by phone keypad, the matching table between number and letters 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 '236460263'

4 Configuring Basic Settings

4.1 Two-Level Management

This chapter explains how to setup a password for an administrator/root user and how to adjust basic/advanced settings for accessing Internet successfully.

FWR7302 supports two-level management: administrator and user. For administrator mode operation, please type “**admin/admin**” on Username/Password and click **Login** button to configuration. While for user mode operation, please type “**user/user**” on Username/Password and click **Login** button for full configuration.

4.2 Accessing Web Page

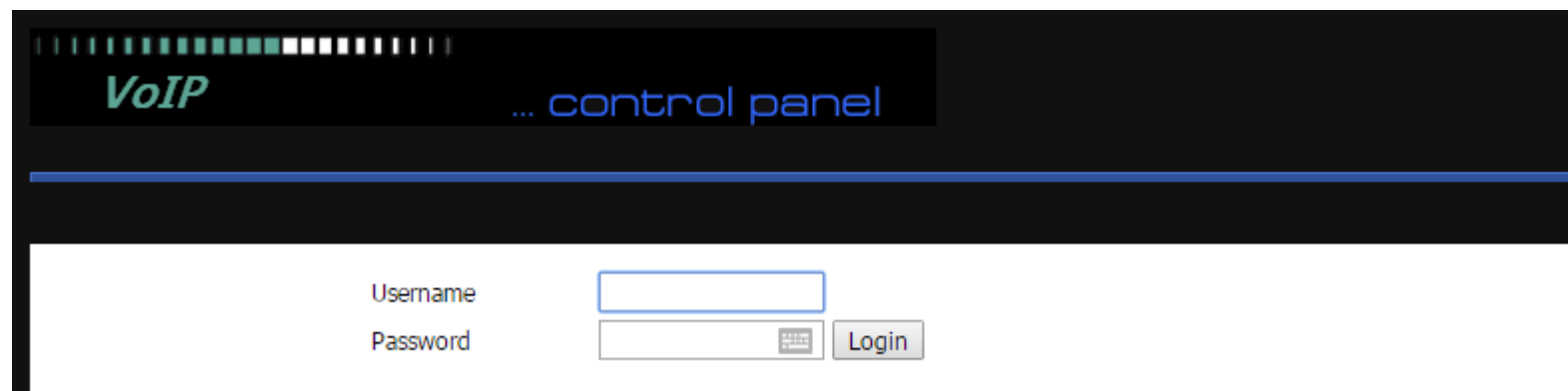
4.2.1 From LAN port

1. Make sure your PC have connected to the router's LAN port correctly.



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 router is 192.168.1.1**. For the detailed information, please refer to the later section - **Trouble shooting of the guide**.

2. Open a web browser on your PC and type **http://192.168.1.1**. The following window will be open to ask for username and password, and you can choose language.



The screenshot shows a web browser window displaying the login page for the VoIP control panel. The page has a black header with the text "VoIP" in green and "... control panel" in blue. Below the header is a white login form with two input fields: "Username" and "Password". To the right of the "Password" field is a "Login" button. The background of the page is black.

3. For administrator mode operation, please type “**admin/admin**” on Username/Password and click Login to configuration. Yet, for root user mode operation, please type “**user/user**” on Username/Password and click Login for full configuration.

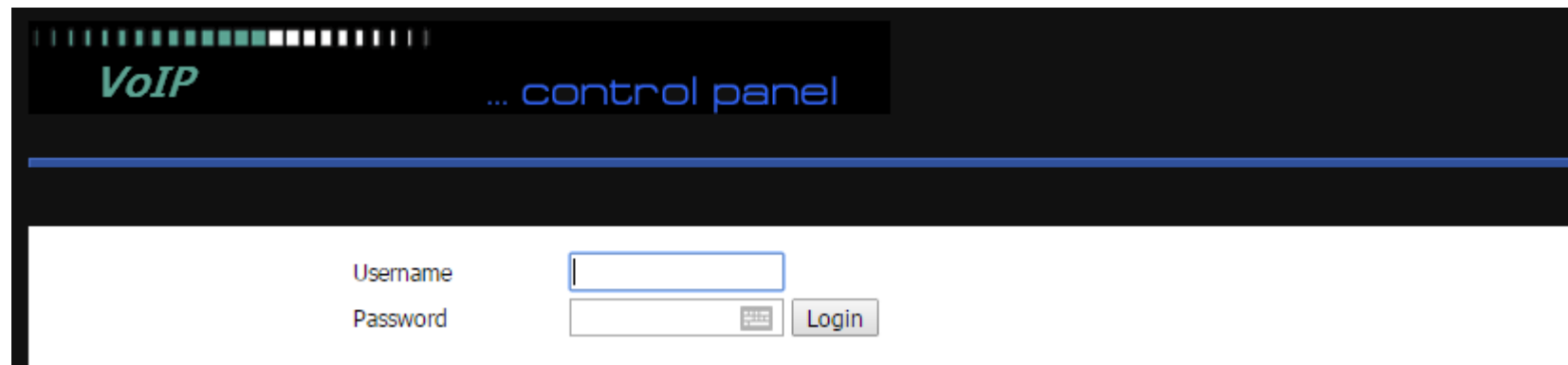


Notice: If you fail to access to the web configuration, please go to “Trouble Shooting” for detecting and solving your problem.

4. The web page can be logged out after 5 minutes without any operation.

4.2.2 From WAN port

1. Make sure your PC can connect to the router's WAN port correctly.
2. Getting the IP addresses of WAN port using Voice prompt.
3. Open a web browser on your PC and type <http://the IP address of WAN port>. The following window will be open to ask for username and password.



4. For administrator mode operation, please type “**admin/admin**” on Username/Password and click Login to configuration. Yet, for root user mode operation, please type “**user/user**” on Username/Password and click Login for full configuration.



Notice: If you fail to access to the web configuration, please go to “Trouble Shooting” for detecting and solving your problem.

5. The web page can be logged out after 5 minutes without any operation.

4.3 Webpage

No.	Name	Description
1	Navigation bar	Click navigation bar, many sub-navigation bar will appear in the place 2
2	Title	Click sub-navigation bar to choose one configuration page
3	Parameter	To configuration the parameters
	Save	◆ Every time making some changes, user should press this button to confirm the changes. ◆ After pressing the button, the red <i>Please REBOOT to make the changes effective!</i> will appear to notice rebooting.
	Cancel	To cancel the changes.
	Reboot	Press it to reboot the router

4.4 Setting up the Time Zone

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

Time/Date Setting

NTP Settings

NTP Enable

Enable

Option 42

Disable

Current Time

2016 - 02 - 24 . 21 : 40 : 13

Sync with host

Sync with host

NTP Settings

(GMT+08:00) China Coast, Hong Kong

Primary NTP Server

clock.fmt.he.net

Secondary NTP Server

cn.pool.ntp.org

NTP synchronization(1 - 1440min)

60

4.5 Setting up the Internet Connection

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

VoIP

... control panel

Firmware Version V3

Current Time 2016-02-24 21:40

Admin Mode [Logout] [Reboot]

Status

Network

Wireless

SIP

FXS1

FXS2

Security

Application

Administration

WAN

LTE

LAN

VPN

Port Forward

DMZ

DDNS

QoS

MAC Clone

Port Setting

Routing

Advance

INTERNET

WAN

WAN IP Mode

DHCP

DHCP Server

LAN Connection Mode

NAT

DNS Mode

Auto

Primary DNS

Secondary DNS

Save

Cancel

Reboot

Help

WAN IP Mode:

Static IP - Set the IP Address, Subnet Mask and Default Gateway that you have gotten from you ISP provider.

DHCP - You will get an IP Address, Subnet Mask and Default Gateway from some DHCP Server.

PPPoE - Set the PPPoE Account and PPPoE Password that you have gotten from your ISP provider.

4.5.1 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.

WAN
LTE
LAN
VPN
Port Forward
DMZ
DDNS
QoS
MAC Clone
Po

INTERNET

WAN

WAN IP Mode

Static

LAN Connection Mode

NAT

Static

IP Address

172.29.171.63

Subnet Mask

255.255.255.128

Default Gateway

172.29.171.1

DNS Mode

Manual

Primary DNS

123.123.123.123

Secondary DNS

123.123.123.124

IP Address

Type the IP address

Subnet Mask

Type the subnet mask

Gateway IP Address

Type the gateway IP address

Primary DNS Server

Type in the primary IP address for the route

Secondary DNS Server

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 DHCP server.

The page 16 of 60
Revision time: 2016-02-24 18:00

WAN

LTE

LAN

VPN

Port Forward

DMZ

DDNS

QoS

MAC Clone

Port S

INTERNET

WAN

WAN IP Mode

DHCP

DHCP Server

LAN Connection Mode

NAT

DNS Mode

Auto

Primary DNS

123.123.123.123

Secondary DNS

123.123.123.124

Save

Cancel

Reboot

- DNS Mode

Set the DNS Mode from Auto and Manual, If user choose manual, you should fill the primary DNS address and Secondary DNS address into Primary DNS Address and Secondary DNS Address.
- Primary DNS Server

Type in the primary IP address for the route
- Secondary DNS Server

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 the users over the Ethernet can share a common connection.

PPPoE is used for most of 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.

WANLTELANVPNPort ForwardDMZDDNSQoSMAC ClonePort Setting INTERNET WAN WAN IP Mode PPPoE LAN Connection Mode NAT DNS Mode Auto Primary DNS 123.123.123.123 Secondary DNS 123.123.123.124 PPPoE PPPoE Account 4567321092 PPPoE Password Confirm Password Service Name Leave empty to autodetect Operation Mode Keep Alive Keep Alive Redial Period(0-3600s) 5		PPPoE Account Assign a specific valid user name provided by the ISP PPPoE Password Assign a valid password provided by the ISP Confirm Password Input the password again DNS Mode Set the DNS Mode from Auto and Manual, If user choose manual, you should fill the primary DNS address and Secondary DNS address into Primary DNS Address and Secondary DNS Address. Primary DNS Server Type in the primary IP address for the route Secondary DNS Server Type in secondary IP address for necessity in the future
--	--	---

4.5.4 LTE

LTE Setting Basic Setting LTE Modem Enable Enable 4G Connection Type Auto APN CMNET Dial Number *99*1# Username Password	LTE Modem Enable If open the 4G connection 4GConnection Type 4G connection type ,auto or manual APN Access Point Name Dial Number LTE connection dia numberl Username Auth username Password Auth password
--	--

Internet Setting Internet connection Auto ▼ Lock Cell Disable ▼	Internet Connection Here you can choose use 3G, 4G or auto mode Lock Cell Lock cell function
Binding Set Status Binding Success SIM Bind Unbind The remaining number of unlock 3	Status PIN code bind status SIM bind Input the SIM bind code The remaining number of unlock Warning of the operation error time, should less than 3
Modify the PIN Old PIN number New PIN number Confirm PIN Modify	Old PIN number Input the old PIN number New PIN number Input the new PIN number Confirm PIN Confirm the PIN

When LTE connected successfully,return the Status page,you can check the link status and the ip address obtained from the ISP.

LTE Status	
LTE Status	
Sim Card Status	SIM Active
IMEI Code	866154021962517
Hardware Model	SIMCOM_SIM7100C
Software Version	4534B06SIM7100C
Signal Strength	
Service Providers	UNICOM
Connection Status	Connected
Data Rate	Up 0 kbit/s Down 0 kbit/s
Send/Recived	2.828 KB / 1.346 KB

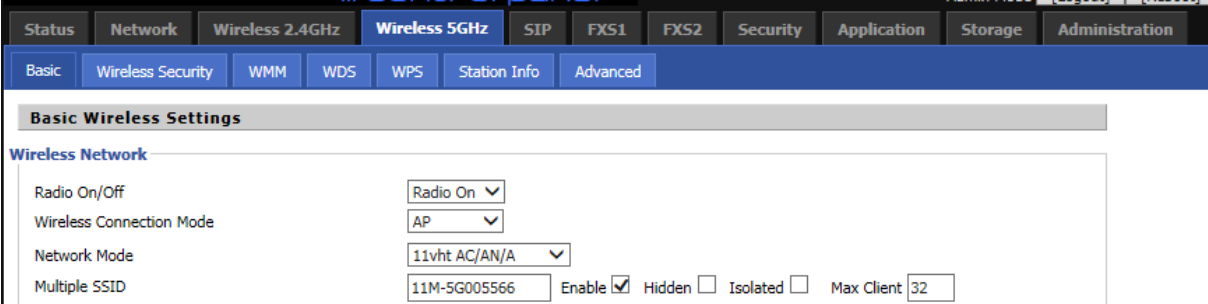
Network Status	
Internet Port Status	
Connection Type	DHCPoLTE
IP Address	10.10.139.111
Subnet Mask	255.255.255.224
Default Gateway	10.10.139.97
Primary DNS	123.123.123.123
Secondary DNS	123.123.123.124
WAN Port Status	Link Down

4.6 Setting up the Wireless Connection

To set up the wireless connection, please skip the following steps.

4.6.1 Enable Wireless and Setting SSID

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



Radio On/Off

Click the button to enable or disable wireless.

Press **RADIO OFF** to disable wireless.

Press **RADIO ON** to enable wireless.

Network Mode

Choose one network mode from the drop down list.

Network

The name of the wireless name, it can be any text numbers or various special characters.

Nmae(SSSID)

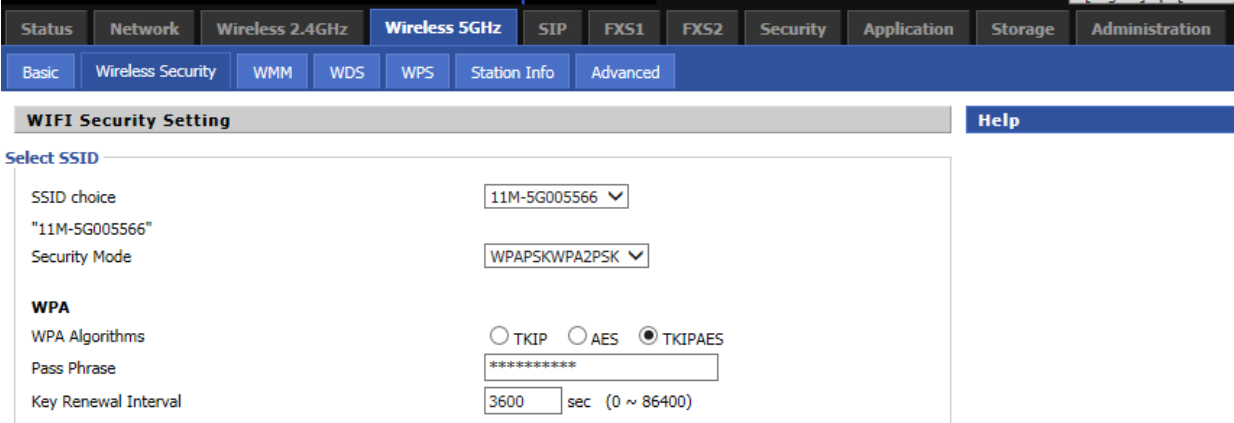
Multiple SSSD1-3

Set more wireless network.

Frequency	Choose channel frequency.
-----------	---------------------------

4.6.2 Encryption

Open **Wireless/Security** webpage to set the encryption of routers.

	SSID Choice	Choose one SSID from Off-premises 1, off-premises 2 and Premises.
	Security Mode	Select an appropriate encryption mode to improve the security and privacy of your wireless data packets. Each encryption mode will bring out different web page and ask you to offer additional configuration.

4.7 Register

4.7.1 Get the Accounts

FWR7302 have 2 phone port, you can use it to make SIP call, and before registering, you should get the SIP account from you administrator or provider.

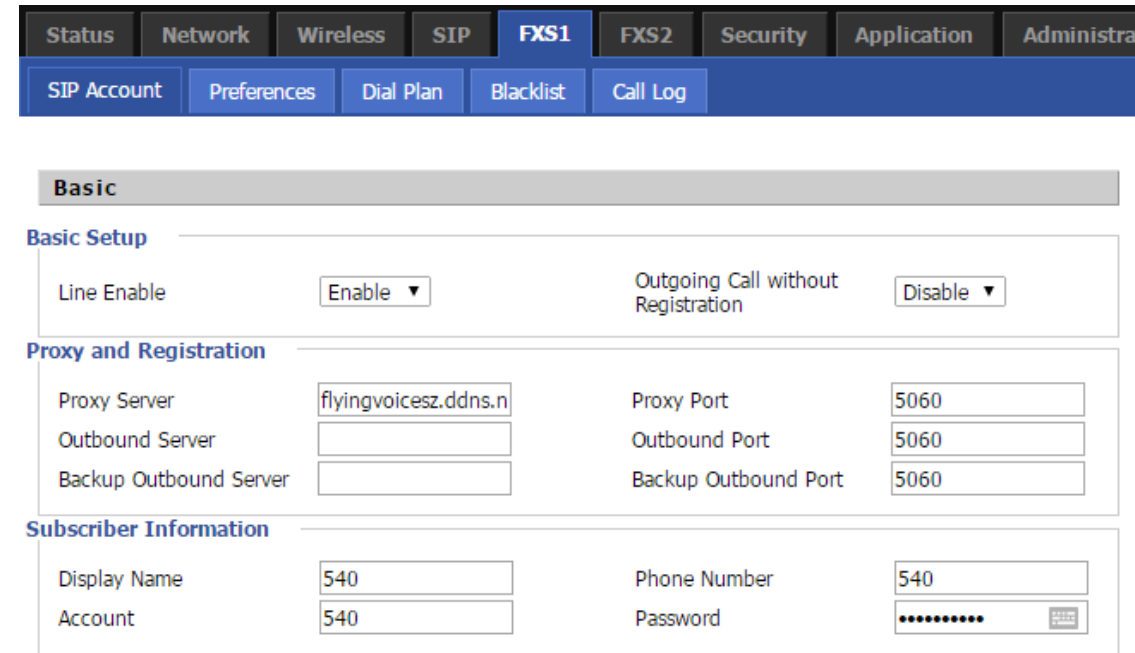
4.7.2 Connections

Connect FWR7302 to the Internet properly

4.7.3 Configuration SIP from Webpage

- Step 1. Open **SIP Account/Line 1** webpage, as the picture in the right side.
- Step 2. Fill the SIP Server domain and SIP Server address (which get from you 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. Press **Save** button in the bottom of the webpage to save changes.

Note: if there is *Please REBOOT to make the changes effective!*, please press **Reboot** button to make changes effective.



The screenshot shows the 'SIP Account' configuration page for 'FXS1'. The page has a top navigation bar with tabs: Status, Network, Wireless, SIP, FXS1 (selected), FXS2, Security, Application, and Administration. Below this is a sub-navigation bar with tabs: SIP Account (selected), Preferences, Dial Plan, Blacklist, and Call Log. The main content area is titled 'Basic' and contains three sections: 'Basic Setup', 'Proxy and Registration', and 'Subscriber Information'. In 'Basic Setup', 'Line Enable' is set to 'Enable' and 'Outgoing Call without Registration' is set to 'Disable'. In 'Proxy and Registration', 'Proxy Server' is 'flyingvoicesz.ddns.n', 'Proxy Port' is '5060', 'Outbound Server' is empty, 'Outbound Port' is '5060', 'Backup Outbound Server' is empty, and 'Backup Outbound Port' is '5060'. In 'Subscriber Information', 'Display Name' is '540', 'Phone Number' is '540', 'Account' is '540', and 'Password' is masked with dots.

4.7.4 View the Register Status

To view the status, please open Status webpage and view the value of register status. The value is registered like the following picture which means FWR7302 have registered normally and you can make calls.

Status

Network

Wireless

SIP

FXS1

FXS2

Security

Application

Administration

Basic

LAN Host

Syslog

Product Information

Product Information

Product Name	FWR7302
Internet(WAN) MAC Address	00:21:F2:31:34:79
PC(LAN) MAC Address	00:21:F2:31:34:78
Hardware Version	V1.1
Loader Version	V3.01(Nov 25 2015 17:34:06)
Firmware Version	V3.10(201602240227)
Serial Number	TEST000001

LTE Status

Sim Card Status	SIM Active
IMEI Code	866154021962517
Hardware Model	SIMCOM_SIM7100C
Software Version	4534B06SIM7100C
Signal Strength	

Help

Product Information:

It shows the basic inform product.

Line Status:

It shows the registration line.

Network Status:

It shows the information Port,WIFI and PC port.

System Status:

It shows the current time running time of the prod

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

To make a call, first pick up the analog phone or turn on the speakerphone on the analog phone, input the IP address directly, end 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 other SIP products) have public IP addresses, or
- b) Both ATA and the other VoIP device (i.e., another ATA or other SIP products) are on the same LAN using private or public IP addresses, or
- c) Both ATA and the other VoIP device (i.e., another ATA or other SIP products) can be connected through a router using public or private IP addresses.

To make a direct IP call, first pick up the analog phone or turn on the speakerphone on the analog phone, Input the IP address directly, with the end “#”.

4.8.3 Call Hold

While in conversation, pressing the “*77” to put the remote end on hold, then you will hear the dial tone and the remote party will hear hold tone at the same time.

Pressing the “*77” again to release the previously hold state and resume the bi-directional media.

4.8.4 Blind Transfer

Assuming that call party A and party B are in conversation. A wants to Blind Transfer B to C:

Step 1. Party A dials “*78” to get a dial tone, then dials party C’s number, and then press immediately key # (or wait for 4 seconds) to dial out.

Step 2. A can hang up.

4.8.5 Attended Transfer

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

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

Step 2. Party A dial “*78” to transfer to C, then B and C now in conversation.

Step 3. If the transfer doesn’t success, then A and B in conversation again.

4.8.6 Conference

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

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

Step 2. Party A dial “*88” to add C, then A, B and C now in conference.

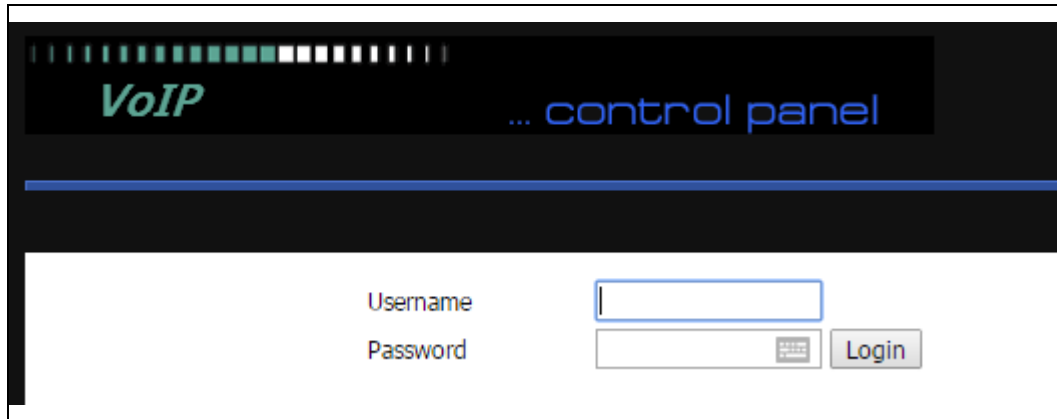
5 Web Configuration

This chapter will guide users to execute advanced (full) configuration through admin mode operation.

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://192.168.1.1**. The window will ask for typing username and password. And you can choose language, too.



The screenshot shows a web browser window with a dark header. The header contains the text "VoIP" in green and "... control panel" in blue. Below the header is a horizontal blue line. Underneath the line, there are two input fields: "Username" and "Password". To the right of the "Password" field is a "Login" button. The background of the page is white.

When login successfully, the webpage shows the 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 F/W version

Step 3. Please type **"admin/admin"** on Username/Password for administration operation. Now, the Main Screen will appear like below.

Status

Network

Wireless

SIP

FXS1

FXS2

Security

Application

Administration

Basic

LAN Host

Syslog

Product Information

Product Information

Product Name	FWR7302
Internet(WAN) MAC Address	00:21:F2:31:34:79
PC(LAN) MAC Address	00:21:F2:31:34:78
Hardware Version	V1.1
Loader Version	V3.01(Nov 25 2015 17:34:06)
Firmware Version	V3.10(201602240227)
Serial Number	TEST000001

LTE Status

Sim Card Status	SIM Active
IMEI Code	866154021962517
Hardware Model	SIMCOM_SIM7100C
Software Version	4534B06SIM7100C
Signal Strength	

Help

Product Information:

It shows the basic inform product.

Line Status:

It shows the registration line.

Network Status:

It shows the information Port,WIFI and PC port.

System Status:

It shows the current time running time of the prod

5.2 Status

This webpage shows the status information about **product information, Network and system.**

It shows the basic information of the product, such as product name, serial number, MAC address, hardware version and software version.

It also shows the information of Link Status, WAN Port Status, and LAN Port Status.

And it shows the current time and the running time of the product.

The picture in the right side is the FWR7302's Status webpage.

LTE Status

running time

LTE Status

Sim Card Status	SIM Active
IMEI Code	866154021962517
Hardware Model	SIMCOM_SIM7100C
Software Version	4534B06SIM7100C
Signal Strength	
Service Providers	UNICOM
Connection Status	Connected
Data Rate	Up 0 kbit/s Down 0 kbit/s
Send/Recived	11.464 KB / 5.452 KB

SIP Account Status

SIP Account Status

FXS 1 SIP Account Status	Registered 540
Primary Server	183.13.123.192
Backup Server	0.0.0.0
FXS 2 SIP Account Status	Disable
Primary Server	0.0.0.0
Backup Server	0.0.0.0

5.3 Network&Security

You can configuration the WAN port, LAN port, DDNS, Multi WAN,DMZ, MAC Clone,Port Forward and so on in these two bars.

5.3.1 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.

WAN LTE LAN VPN Port Forward DMZ DDNS QoS			
INTERNET			
WAN			
WAN IP Mode	Static ▼	IP Address	Type the IP address
LAN Connection Mode	NAT ▼	Subnet Mask	Type the subnet mask
Static		Gateway IP	Type the gateway IP address
IP Address	10.20.34.131	Address	
Subnet Mask	255.255.255.248	Primary DNS	Type in the primary IP address for the route
Default Gateway	10.20.34.129	Server	
DNS Mode	Manual ▼	Secondary DNS	Type in secondary IP address for necessity in the
Primary DNS	123.123.123.123	Server	future
Secondary DNS	123.123.123.124		

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.

Status

Network

Wireless

SIP

FXS1

FXS2

Security

Application

WAN

LTE

LAN

VPN

Port Forward

DMZ

DDNS

QoS

MAC Clone

Port

INTERNET

WAN

WAN IP Mode

DHCP

DHCP Server

LAN Connection Mode

NAT

DNS Mode

Manual

Primary DNS

Secondary DNS

DNS Mode

Primary DNS Server

Secondary DNS Server

Set the DNS Mode from Auto and Manual,

If user choose manual, you should fill the primary DNS address and Secondary DNS address into Primary DNS Address and Secondary DNS Address.

Type in the primary IP address for the route

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 used for most of 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.

WAN LTE LAN VPN Port Forward DMZ DDNS QoS MAC Clone Port INTERNET WAN WAN IP Mode PPPoE LAN Connection Mode NAT DNS Mode Auto Primary DNS Secondary DNS PPPoE PPPoE Account 4346789738 PPPoE Password Confirm Password Service Name Leave empty to autodetect Operation Mode Keep Alive Keep Alive Redial Period(0-3600s) 5	PPPoE Account PPPoE Password PPPoE Auto-Dial DNS Mode Primary DNS Server Secondary DNS Server	Assign a specific valid user name provided by the ISP Assign a valid password provided by the ISP If or not enable PPPoE Password. Set the DNS Mode from Auto and Manual, If user choose manual, you should fill the primary DNS address and Secondary DNS address into Primary DNS Address and Secondary DNS Address. Type in the primary IP address for the route Type in secondary IP address for necessity in the future
---	---	---

DDNS Setting

DDNS Settings DDNS Provider dyndns.org DDNS Account DDNS Password DDNS Name	DDNS Provider DDNS Account DDNS Password DDNS Name	Use the drop down list to select one DDNS Provider domain Fill in the DDNS account. Fill in the DDNS Password. Fill in the DDNS name.
--	--	---

5.3.2 LAN

LAN Port:

The most generic function of router is NAT. What NAT does is to translate the packets from public IP address to local IP address to forward the right packets to the right host and vice versa.

PC Port(LAN) PC Port(LAN) Local IP Address 192.168.1.1 Local Subnet Mask 255.255.255.0 Local DHCP Server Enable DHCP Start Address 192.168.1.2 DHCP End Address 192.168.1.254 DNS Mode Auto Primary DNS 202.96.134.133 Secondary DNS 8.8.8.8 Client Lease Time(0-86400s) 86400 DNS Proxy Disable	Local IP Address Local Subnet Mask Local DHCP Server	Type in local IP address for connecting to a local private network (Default: 192.168.1.1) Type in an address code that determines the size of the network. (Default: 255.255.255.0/ 24) If or not enable DHCP server.
---	---	--

DHCP Server:

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 a DHCP server for your network so it automatically dispatch related IP settings to any local user configured as a DHCP client. It is highly recommended that you leave the router enabled as a DHCP server if you do not have a DHCP server for your network.

Local IP Address 192.168.11.1 Local Subnet Mask 255.255.255.0 Local DHCP Server Enable DHCP Start Address 192.168.11.2 DHCP End Address 192.168.11.254 DNS Mode Auto Primary DNS 192.168.11.1	Local DHCP Server DHCP Starting Address DHCP Ending	If or not enable DHCP server. Enter a value of the IP address pool for the DHCP server to start with when issuing IP addresses. If the LAN Interface IP Enter a value of the IP address pool for the DHCP server to end
---	--	--

	Address	with when issuing IP addresses.
	Primary/Secondary DNS	Input the primary or secondary DNS IP address.
	Primary DNS	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.
	Secondary DNS	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.
	Client Lease Time	It allows you to set the leased time for the specified PC.

5.3.3 DMZ/Port Forward

DMZ

WANLTELANVPNPort ForwardDMZDDNSQoSMAC ClonePort Setting

Demilitarized Zone (DMZ)

DMZ Setting

DMZ Enable

Enable

DMZ Host IP Address

Get Current PC IP

DMZ Enable	If or not enable DMZ.
DMZ Host IP Address	Enter the private IP address of the DMZ host

Port Forward

WAN	LTE	LAN	VPN	Port Forward	DMZ	DDNS	QoS	MAC Clone	Port Setting	Routing	Advance
Port Forwarding											
No.	Comment			IP Address	Port Range		Protocol				
Delete Selected Add Edit											
Virtual Servers											
No.	Comment			IP Address	Public Port	Private Port	Protocol				
Delete Selected Add Edit											
Virtual Servers											
Comment											
IP Address											
Public Port											
Private Port											
Protocol				TCP&UDP ▼							
(The maximum rule count is 32)											
Apply Cancel											

5.3.4 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.

WAN
LTE
LAN
VPN
Port Forward
DMZ
DDNS
QoS
MAC Clone
Port Setting

MAC Address Clone

MAC Address Clone

Enable

MAC Address

Get Current PC MAC

- Step 1.Press

Clone Address

 button to clone the currently PC MAC address to router's Internet port.
- Step 2.Press

Save

 button to save the changes
- Step 3.Press

Cancel

 button to make changes effective

5.3.5 Multi WAN

WAN
LTE
LAN
VPN
Port Forward
DMZ
DDNS
QoS
MAC Clone
Port Setting
Rout

INTERNET

LAN

Connect Name

1_MANAGEMENT_VOICE_INTERNET_R_VID
Delete Connect

Service

1_MANAGEMENT_VOICE_INTERNET_R_VID
New Connection

IP Protocol Version

IPv4

WAN IP Mode

DHCP

DHCP Server

NAT Enable

Enable

VLAN Mode

Disable

VLAN ID

1

(1-4094)

DNS Mode

Auto

Primary DNS

Secondary DNS

DHCP

Note: Muti-wan only used in WAN connection mode,not in LTE mode

5.4 Wireless 5G

5.4.1 Basic

	Field Name	Description
	Radio on/off	Select “Radio Off” to disable wireless. Select “Radio on”to enable wireless.
Basic Wireless Settings Wireless Network Radio On/Off Radio On Network Mode 11vht AC/AN/A SSID Wireless_AP_5G Hidden ☐ Isolated ☐ Max Client 16 Multiple SSID1 Hidden ☐ Isolated ☐ Max Client 16 Multiple SSID2 Hidden ☐ Isolated ☐ Max Client 16 Multiple SSID3 Hidden ☐ Isolated ☐ Max Client 16 broadcast(SSID) ☒ Enable ☐ Disable AP Isolation ☐ Enable ☒ Disable MBSSID AP Isolation ☐ Enable ☒ Disable BSSID 00:0C:FE:00:11:20 Frequency (Channel) 5220MHz (Channel 44) HT Physical Mode ☒ Mixed Mode ☐ Green Field Operating Mode ☐ 20 ☒ 20/40 Channel BandWidth ☐ Long ☒ Auto MCS Auto Reverse Direction Grant(RDG) ☐ Disable ☒ Enable Extension Channel 5240MHz (Channel 48) STBC ☐ Disable ☒ Enable Aggregation MSDU(A-MSDU) ☒ Disable ☐ Enable Auto Block ACK ☐ Disable ☒ Enable Decline BA Request ☒ Disable ☐ Enable HT Disallow TKIP ☐ Disable ☒ Enable 20/40 Coexistence ☐ Disable ☒ Enable HT LDPC ☒ Disable ☐ Enable VHT Option ☒ 20/40 ☐ 80 VHT BandWidth ☒ Disable ☐ Enable VHT STBC ☒ Disable ☐ Enable VHT Short GI ☒ Disable ☐ Enable VHT BW Signaling ☒ Disable ☐ Static ☐ Dynamic VHT LDPC ☒ Disable ☐ Enable Other 2 HT TxStream 2 HT RxStream 2	Network Mode	Choose one network mode from the drop down 11a/n mixed mode 11b/g mixed mode 11b only 11g only 11b/g/n mixed mode 11a only 11a/n mixed mode 11vht AC/AN/A 11vht AC/AN list
	SSID	It is the basic identity of wireless LAN. SSID can be any alphanumeric or a combination of special characters. It will appear in the wireless network access list.
	Multiple SSID1~SSID3	G802 supports multiple SSIDs.
	Hidden	After the item is checked, the SSID is no longer displayed in the search for the Wi-Fi wireless network connection list
	Broadcast(SSID)	After initial State opening, the device broadcasts the SSID of the router to wireless network
	AP Isolation	If AP isolation is enabled, the clients of the AP cannot access each other.
	MBSSID AP Isolation	AP isolation among the devices which are not belong to this AP and along to, when the option is enabled, the devices which do not belong to this AP cannot access the devices which are within the AP.
	BSSID	A group of wireless stations and a WLAN access point (AP) consists of a basic access device (BSS), each computer in the BSS must be configured with the same BSSID, that is, the wireless AP logo.
	Frequency (Channel)	You can select Auto Select and channel 1/2/3/4/5/6/7/8/9/10/11.

	HT Physical Mode Operating Mode	1. Mixed Mode: In this mode, the previous wireless card can recognize and connect to the Pre-N AP, but the throughput will be affected 2. Green Field: high throughput can be achieved, but it will affect backward compatibility, and security of the system
	Channel Bandwidth	Select channel bandwidth, default is 20MHz and 20/40MHz.
	Guard Interval	The default is automatic, in order to achieve good BER performance, you must set the appropriate guard interval
	MCS	Position control signal, options are 0 to 32, the default is automatic
	Reverse Direction (RDG)	You can choose to enable or disable this privilege
	STBC	
	VHT Bandwidth	
	VHT STBC	
	VHT Short GI	
	VHT BW Signaling	
	VHT LDPC	

5.4.2 Wireless Security

Status	Network	Wireless	Wireless 5G	SIP	FXS1	FXS2	Security	Applicati
Basic	Wireless Security	WMM	WDS	WPS	Station Info	Advanced		
Please REBOOT to make the changes effective!								
WIFI Security Setting								
Select SSID SSID choice Wireless_AP_5G "Wireless_AP_5G" Security Mode WPA-PSK WPA WPA Algorithms ☒ TKIP ☐ AES ☐ TKIPAES Pass Phrase 12345678 Key Renewal Interval 3600 Second in Month (0 ~ 4194303) Access policy Policy Disable Add a station MAC								
Field Name		Description						
SSID Choice		Choose one SSID from SSID, Multiple SSID1, Multiple SSID2 and Multiple SSID3.						
Security Mode		Select an appropriate encryption mode to improve the security and privacy of your wireless data packets. Each encryption mode will bring out different web page and ask you to offer additional configuration.						

5.4.3 WMM

Basic	Wireless Security	WMM	WDS	WPS	Station Info	Advanced
WMM Parameters of Access Point						
	Aifsn	CWMin	CWMax	Txop	ACM	AckPolicy
AC_BE	3	15 ▼	63 ▼	0	☐	☐
AC_BK	7	15 ▼	1023 ▼	0	☐	☐
AC_VI	1	7 ▼	15 ▼	94	☐	☐
AC_VO	1	3 ▼	7 ▼	47	☐	☐

5.4.4 WPS

WPS (**Wi-Fi Protected Setup**) provides easy procedure to make network connection between wireless station and wireless access point (vigor router) with the encryption of WPA and WPA2.
It is the simplest way to build connection between wireless network clients and vigor router. Users do not need to select any encryption mode and type any long encryption passphrase to setup a wireless client every time. He/she only needs to press a button on wireless client, and WPS will connect for client and router automatically.

StatusNetworkWirelessSIPFXS1FXS2SecurityApplicationAdministr

BasicWireless SecurityWMMWDSWPSStation InfoAdvanced

WPS Setting

WPS Config

WPS Enable

Apply

WPS

If or not enable WPS.

Apply

Press the button to apply.

5.4.5 Station list

StatusNetworkWireless 2.4GHzWireless 5GHzSIPFXS1FXS2SecurityApplicationStorageAdministration

BasicWireless SecurityWMMWDSWPSStation InfoAdvanced

Wireless Status

Help

Wireless Status

Current ChannelChannel 36

11M-5G00556660:03:47:00:55:6A

Wireless Network

Wireless Network

MAC AddressAidPSMMimoPSMCSBWSGISTBC

5.4.6 Advanced

Advanced Wireless

Advanced Wireless

BG Protection Mode	Auto
Beacon Interval	100 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	☒ Enable ☐ Disable
Short Slot	☒ Enable ☐ Disable
Tx Burst	☒ Enable ☐ Disable
Pkt Aggregate	☒ Enable ☐ Disable
IEEE 802.11H Support	☐ Enable ☒ Disable (only in A band)
Wi-Fi Multimedia	
WMM Capable	☒ Enable ☐ Disable
APSD Capable	☐ Enable ☒ Disable
WMM Parameters	WMM Configuration
Multicast-to-Unicast Converter	
Multicast-to-Unicast	☐ Enable ☒ Disable

5.5 SIP Account

5.5.1 SIP Settings

Status	Network	Wireless	SIP	FXS1	FXS2	Security	Application	Administration																																								
SIP Settings VoIP QoS																																																
SIP Parameters SIP Parameters <table> <tr> <td>SIP T1</td> <td>500</td> <td>ms</td> <td>Max Forward</td> <td>70</td> </tr> <tr> <td>SIP User Agent Name</td> <td></td> <td></td> <td>Max Auth</td> <td>2</td> </tr> <tr> <td>Reg Retry Intvl</td> <td>30</td> <td>sec</td> <td>Reg Retry Long Intvl</td> <td>1200</td> </tr> <tr> <td>Mark All AVT Packets</td> <td>Enable</td> <td></td> <td>RFC 2543 Call Hold</td> <td>Enable</td> </tr> <tr> <td>SRTP</td> <td>Disable</td> <td></td> <td>SRTP Prefer Encryption</td> <td>AES_CM</td> </tr> <tr> <td>Service Type</td> <td>Common</td> <td></td> <td>DNS Refresh Timer</td> <td>0</td> </tr> </table> Response Status Code Handling <table> <tr> <td>Retry Reg RSC</td> <td></td> </tr> </table> NAT Traversal <table> <tr> <td>NAT Traversal</td> <td>Disable</td> <td>STUN Server Address</td> <td></td> </tr> <tr> <td>NAT Refresh Interval(sec)</td> <td>60</td> <td>STUN Server Port</td> <td></td> </tr> </table>									SIP T1	500	ms	Max Forward	70	SIP User Agent Name			Max Auth	2	Reg Retry Intvl	30	sec	Reg Retry Long Intvl	1200	Mark All AVT Packets	Enable		RFC 2543 Call Hold	Enable	SRTP	Disable		SRTP Prefer Encryption	AES_CM	Service Type	Common		DNS Refresh Timer	0	Retry Reg RSC		NAT Traversal	Disable	STUN Server Address		NAT Refresh Interval(sec)	60	STUN Server Port	
SIP T1	500	ms	Max Forward	70																																												
SIP User Agent Name			Max Auth	2																																												
Reg Retry Intvl	30	sec	Reg Retry Long Intvl	1200																																												
Mark All AVT Packets	Enable		RFC 2543 Call Hold	Enable																																												
SRTP	Disable		SRTP Prefer Encryption	AES_CM																																												
Service Type	Common		DNS Refresh Timer	0																																												
Retry Reg RSC																																																
NAT Traversal	Disable	STUN Server Address																																														
NAT Refresh Interval(sec)	60	STUN Server Port																																														

Help

SIP Parameters
These parameters are used for SIP registration.

NAT Traversal
It is helpful for NAT.

5.5.2 FXS

Status	Network	Wireless	SIP	FXS1	FXS2	Security	Application	Administration
SIP Account Preferences Dial Plan Blacklist Call Log								
Basic Line Enable Enable ▼ Outgoing Call without Registration Disable ▼ Proxy and Registration Proxy Server 540 Outbound Server Backup Outbound Server Proxy Port 5060 Outbound Port 5060 Backup Outbound Port 5060 Subscriber Information Display Name 540 Account 540 Phone Number 540 Password Audio Configuration Audio Codec Type 1 G.711U ▼ Audio Codec Type 2 G.711A ▼ Audio Codec Type 3 G.729 ▼ Audio Codec Type 4 G.722 ▼ Audio Codec Type 5 G.723 ▼								

Help

Basic:

Set the basic your VoIP Se Phone Numb SIP Proxy an

Audio Confi

Select the au use.

Supplemen Subscriptio

Call Waiting your phone t calls during t

Advanced:

The Advance Administrator

5.5.3 VOIP QoS Setting

Status	Network	Wireless	SIP	FXS1	FXS2	Security	Application	Administration
SIP Settings VoIP QoS								
QoS Settings								
Layer 3 QoS								
SIP QoS(0-63)		46						
RTP QoS(0-63)		46						
Save Cancel Reboot								

5.6 Phone

5.6.1 Dial Plan

Status
Network
Wireless
SIP
FXS1
FXS2
Security
Application
Administration

SIP Account
Preferences
Dial Plan
Blacklist
Call Log

Dial Plan

General

Dial Plan Enable ▾
Unmatched Policy Accept ▾

No.	FXS	Digit Map	Action	Move Up	Move Down	
1	FXS 1	100xx	Dial Out	⬆	⬇	☐
2	FXS 1	11[03459]	Dial Out	⬆	⬇	☐
3	FXS 1	111xx	Dial Out	⬆	⬇	☐
4	FXS 1	12[02]	Dial Out	⬆	⬇	☐
5	FXS 1	121xx	Dial Out	⬆	⬇	☐
6	FXS 1	123xx	Dial Out	⬆	⬇	☐
7	FXS 1	12530	Dial Out	⬆	⬇	☐

Help

Dial Plan:
Controls how calls will be dialed on this line. It can add Prefix to Matched Number and remove Digits by setting Dial Cuts.

1. '0 1 2 3 4 5 6 7 8 9 * #' : Legal characters.
2. 'x' : Lowercase letter x stands for one legal character.
3. '[sequence]' : To match one character from sequence. For example: [0-9] : match one digit from 0 to 9; [23-5*] : match one character from 2 or 3 or 4 or 5 or *.
4. 'x.' : Match to x, xx, xxx, xxxx, ... ; For example?01.'can match'0'?01'?011'?011111?.
5. '<'dialed':substituted'>' : Replace dialed with substituted. For example?'<#:23%>xx<#:23%>',

5.6.2 Phonebook

Phonebook Upload && Download

Phonebook Upload && Download

Local File: 浏览...

upload CSVdownload CSV

Blacklist Upload && Download

Blacklist Upload && Download

Local File: 浏览...

upload CSVdownload CSV

Phonebook

Index	Name	Number	Ring	
EditAddDeleteMove to blacklist				

Blacklist

5.6.3 Call Log

Redial List				
Index	NUMBER	Start Time	Duration	☐
1	501	08/13 09:13	00:00:01	☐
2	550	08/13 15:56	00:00:03	☐
3	550	08/13 16:00	00:00:07	☐
4	1001	08/13 16:12	00:00:01	☐
5	550	08/13 16:12	00:00:08	☐
6	550	08/13 16:16	00:00:10	☐
7	550	08/13 16:32	00:00:56	☐
8	550	08/13 16:38	00:00:22	☐
9	550	08/13 17:06	00:00:22	☐
10	550	08/13 17:07	00:01:01	☐
11	550	08/13 17:10	00:00:00	☐
Answered Calls				
Index	NUMBER	Start Time	Duration	☐
1	501	08/13 09:13	00:00:15	☐
2	015910695671	08/13 09:58	00:03:44	☐

5.7 Security

5.7.1 Filtering Setting

Basic Settings

Basic Settings

MAC/IP/Port Filtering

Disable

Default Policy

Drop

The packet that don't match with any rules would be:

Save

Cancel

IP/Port Filter Settings

Mac address

Dest IP Address

Source IP Address

Protocol

NONE

Dest. Port Range

-

Src Port Range

-

Action

Drop

Comment

(The maximum rule count is 32.)

Save

Cancel

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.									

5.7.2 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	Enable ▼
DMZ Host IP Address	

5.7.3 MAC Clone

MAC Address Clone

MAC Address Clone

MAC Address Clone	Enable ▼
MAC Address	Get Current PC MAC

5.7.4 Port Forward

StatusNetworkWirelessSIPFXS1FXS2SecurityApplicationAdministration

WANLTELANVPNPort ForwardDMZDDNSQoSMAC ClonePort SettingRoutingAdvance

Please REBOOT to make the changes effective!

Port Forwarding				
No.	Comment	IP Address	Port Range	Protocol
Delete SelectedAddEdit				

Virtual Servers

No.	Comment	IP Address	Public Port	Private Port	Protocol
1 ☐	http	192.168.4.55	5000	80	TCP&UDP
Delete SelectedAddEdit					

5.7.5 Content Filtering

Webs URL Filter Settings

Current Webs URL Filters:

No.	URL

Add a URL Filter:

URL:

Webs Host Filter Settings

Current Website Host Filters:

No.	Host(Keyword)

Add a Host (keyword) Filter:

Keyword:

5.8 Administration

5.8.1 Mnagement

Status	Network	Wireless	SIP	FXS1	FXS2	Security	Application	Administration
Management	Firmware Upgrade	Scheduled Tasks	Certificates	Provision	SNMP	TR069	Diagnosis	Operating Mode

Please REBOOT to make the changes effective!

Save Config File

Config File Upload && Download

Local File

选择文件

未选择任何文件

Upload

Download

Administrator Settings

Password Reset

User Type

Admin User ▼

New User Name

superadmin

New Password

Confirm Password

(The maximum length is 25)

Language

Language

English ▼

VPN Access

Help

NTP Settings:

Time Zone - Choose the time zone you are in and Summer Time (Daylight Saving Time) period. The router can use local time or UTC time.

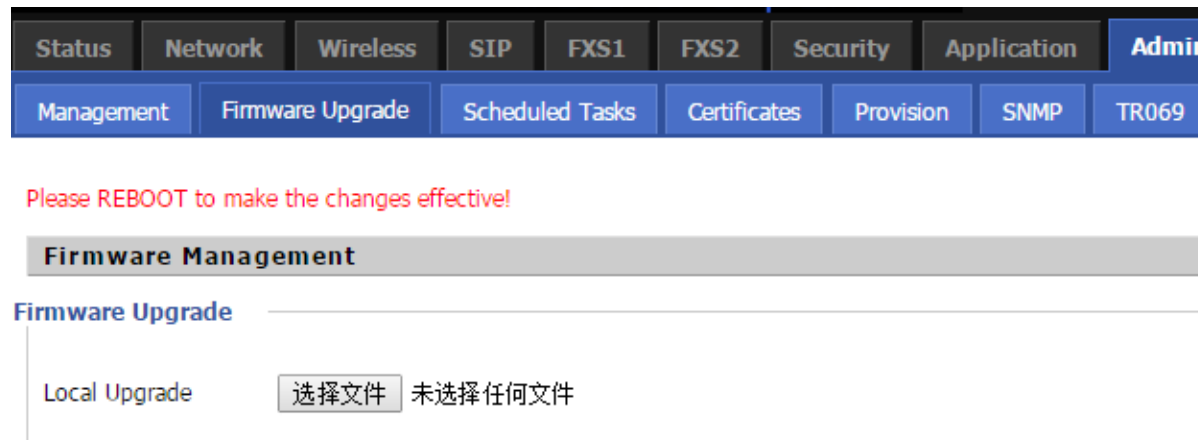
Administrator Settings:

Web Access - Enable or Disable the login function from WAN interface and set the login port that is used for http request.

Factory Defaults Setting:

Factory Default Lock - Enable the lock function. When you press the RST button or restore settings to factory state, the router will reboot without restoring the current settings.

5.8.2 Firmware Upgrade



- 1) Choose upgrade file type from **Image File** and **Dial Rule**
- 2) Press to browser file.
- 3) Press to start upgrading.

5.8.3 Provision

Please refer to the provision user manual to test provision.

Status	Network	Wireless	SIP	FXS1	FXS2	Security	Application	Administration
Management	Firmware Upgrade	Scheduled Tasks	Certificates	Provision	SNMP	TR069	Diagnosis	Open

Please REBOOT to make the changes effective!

Provision

Configuration Profile

Provision Enable	Disable ▼
Resync On Reset	Enable ▼
Resync Random Delay(sec)	40
Resync Periodic(sec)	3600
Resync Error Retry Delay(sec)	3600
Forced Resync Delay(sec)	14400
Resync After Upgrade	Enable ▼
Resync From SIP	Disable ▼
Option 66	Enable ▼
Option 67	Disable ▼
Config File Name	\$(MA)
User Agent	
Profile Rule	

Firmware Upgrade

Help

Provision:

Provision allows resync to a spec on a TFTP server which use HTTP

5.8.4 SNMP

Status
Network
Wireless
SIP
FXS1
FXS2
Security
Application
Administration

Management
Firmware Upgrade
Scheduled Tasks
Certificates
Provision
SNMP
TR069
Diagnosis
Op

Please REBOOT to make the changes effective!

SNMP Configuration

SNMP Configuration

SNMP Service	Disable ▼
Trap Server Address	192.168.10.78
Read Community Name	public
Write Community Name	private
Trap Community	trap
Trap period interval(sec)	1800

Help

SNMP Config
Allow the device to be managed by the Manager with the Manager IP.

5.8.5 TR069

Status

Network

Wireless

SIP

FXS1

FXS2

Security

Application

Administration

Management

Firmware Upgrade

Scheduled Tasks

Certificates

Provision

SNMP

TR069

Diagnosis

Operating Mode

Please REBOOT to make the changes effective!

TR069 Configuration

ACS

TR069 Enable

Disable ▾

CWMP

Enable ▾

ACS URL

User Name

TEST000001

Password

.....

Periodic Inform Enable

Enable ▾

Periodic Inform Interval

600

Connect Request

User Name

TEST

Password

.....

Help

TR069 Configuration:

Allow the device to be managed the ACS server which is set in the URL.

5.9 System Log

If you enable the system log in **Status/syslog** webpage, you can view the system log in this webpage.

Status

Network

Wireless

SIP

FXS1

FXS2

Security

Application

Administration

Basic

LAN Host

Syslog

Refresh

Clear

Save

Manufacturer: FLYINGVOICE
ProductClass: FWR 7302
SerialNumber: TEST000001
BuildTime: 201602240227
IP: 192.168.4.1:8008
HWVer: V1.1
SWVer: V3.10

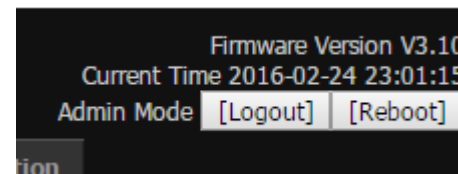
```

<Wed Feb 24 12:41:36 2016> superadmin: 29889 superadm 1732 S /bin/sh /sbin/linkchange.sh
<Wed Feb 24 12:41:41 2016> watchdog[753]: warn:restart ipphone for pcount(26->1)
<Wed Feb 24 12:41:41 2016> ipphone[31004]: ***system booting***
<Wed Feb 24 12:41:41 2016> ipphone[31004]: SW:142(120106174008)
<Wed Feb 24 12:41:43 2016> ipphone[31116]: UISignalControl[30][9000][30][9000][9000]
<Wed Feb 24 12:41:43 2016> ipphone[30842]: Wan If usb0 ip Change :0.0.0.0 -> 10.20.39.136
<Wed Feb 24 12:41:43 2016> ipphone[31004]: Local SIP Addr:10.20.39.136
<Wed Feb 24 12:41:43 2016> ipphone[31004]: Start Init Sip Stack...
<Wed Feb 24 12:41:43 2016> ipphone[31004]: SIP all register client init
<Wed Feb 24 12:41:43 2016> ipphone[31004]: SIP0(Disable) Contact:10.20.39.136:5060
<Wed Feb 24 12:41:43 2016> ipphone[31004]: SIP1(Disable) Contact:10.20.39.136:5061
<Wed Feb 24 12:41:43 2016> ipphone[31004]: Init Sip Stack Success
<Wed Feb 24 12:41:44 2016> ipphone[31001]: Start Register Client ...
<Wed Feb 24 12:41:48 2016> ipphone[30842]: TZ change to GMT-8
<Wed Feb 24 12:42:31 2016> dnsmasq[5893]: reading /etc/resolv.conf
<Wed Feb 24 12:42:31 2016> dnsmasq[5893]: using nameserver 123.123.123.124#53
<Wed Feb 24 12:42:31 2016> dnsmasq[5893]: using nameserver 123.123.123.123#53
<Wed Feb 24 04:34:18 2016> chat[3163]: Can't get terminal parameters: Inappropriate ioctl for device...
<Wed Feb 24 04:34:51 2016> LinkStatus: WAN Link Down
<Wed Feb 24 04:34:51 2016> LinkStatus: LAN1 Link Down

```

5.10 Logout

Press the **logout** button to logout, and then the login window will appear.



5.11 Reboot

Press the **Reboot** button to reboot FWR7302.

6 Trouble shooting of the guide

6.1 Setting your PC gets IP automatically

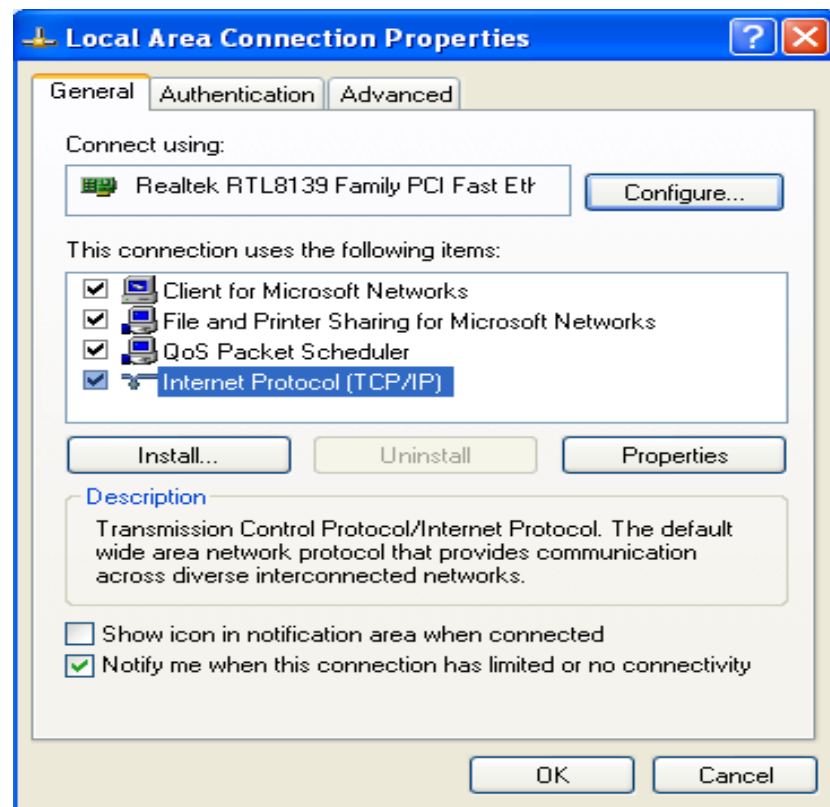
Following are the process of setting your PC gets IP automatically

Step 1. Click the “begin”

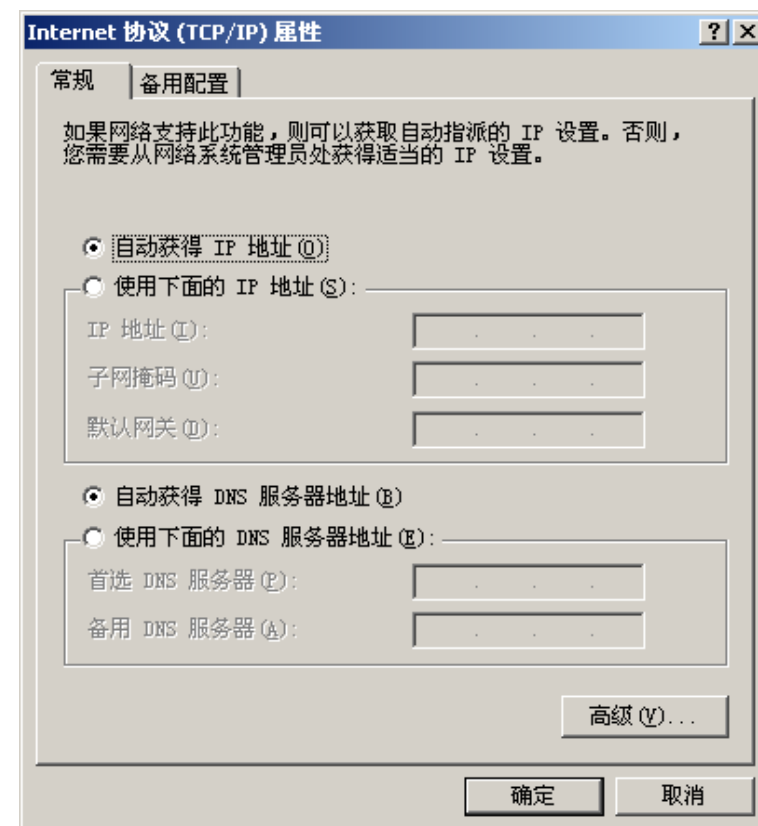
Step 2. Select “control panel”, then double click “network connections” in the “control panel”

Step 3. Right clicks the “network connection” that your PC uses, select “attribute” and you can see the interface as picture 1:

Step 4. Select “Internet Protocol (TCP/IP)”, click “attribute” button, and you can see the interface as following Picture 2 and you should click the “Get IP address automatically”.



Picture 1



Picture 2

6.2 Can not connect to the configuration Website

Solution:

Check if the Ethernet cable is properly connected, then

Check if the URL is right wrote, the format of URL is: **http:// the IP address: 8080**, 8080 must be added, then

Check if the version of IE is IE8, or use other browser such as Firefox or Mozilla, then

Contact your administrator, supplier, or ITSP for more information or assistance.

6.3 Forget the Password

If user changed the password and then forgot, you can not access to the configuration website.

Solution:

To factory default: press reset button 10s.

7 Statement

FCC Radiation Exposure Statement

FlyingVoice Technology Ltd. Declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference 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)

FCC Radiation Exposure Statement

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.

Indoor use only