

# POTS in a BOX<sup>™</sup> CDS-9070 LTE VoIP Dual Band Wi-Fi Router User Manual V1.0





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1 Preface

Thank you for choosing CDS-9070 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 CDS-9070 wireless router with VoIP to the Internet. It also includes

features and functions of LTE connection, wireless router with VoIP components, and how to use it correctly.

Before you can connect CDS-9070 to the Internet and use it, you must have a high-speed broadband connection installed. A high-speed

connection includes environments such as DSL, LTE wireless network, cable modem, and a leased line.

CDS-9070 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.

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## **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
		On (GREEN)	The router is powered on (External Power) and running normally.
	PWR	On Blinking (GREEN)	The router is powered on (Internal Power - BAT) and running normally.
		OFF	The router is powered off.
	CVC	On (GREEN)	System OK
	SYS	On (RED)	System Fault (SW or HW)
		On (GREEN)	Battery Charged
	BATTERY	On Blinking (GREEN)	Battery Charging
		Red	Battery Low or not connected
	Phone 1/2	On (GREEN)	Registered
	Priorie 1/2	OFF	Not Registered
CDS-9070  CDS-90	WPS	OFF	Not Registered
		On (GREEN)	Active for Key registration
	WLAN Client	OFF	Non active for Key registration
		On (GREEN)	Wireless Client Connected
		On Blinking (GREEN)	Wireless traffic (Data)
	WLAN AP	OFF	The Wireless Client is powered off or not connected
		On (GREEN)	Wireless AP ready
		On Blinking (GREEN)	Wireless traffic (Data)
		OFF	The Wireless AP is powered off
	WAN ETH	On (GREEN)	Connected (Registered)
		On Blinking (GREEN)	Connected (Data)
		OFF	Disconnected
	LTE SVC	On (GREEN)	Connected (Registered)
		On Blinking (GREEN)	Connected (Data)
	RSSI	OFF	Disconnected
	N33I	On (GREEN)	Strong

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	On Blinking (GREEN)	Medium
	On (RED)	Weak
CELL DCD	On (GREEN)	LTE
	On Blinking (GREEN)	3G
CINA	Off	No Service
SIM	On (GREEN)	SIM Accepted

Rear Panel	Interface	Description
O O O O O O O O O O O O O O O O O O O	DC	Connector for a power adapter.
LTE MAIN WI-FI LTE DIV	WAN	Connector for accessing the Internet.
WPS RESET WAN LAN1 LAN2 LAN3 LAN4 PHONE 1 PHONE 2 VDC 7-30	LAN1/2/3/4	Connectors for local networked devices.



## 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 Interactive Voice Response

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

#### **Voice Menu Setting Options**

<b>Operation code</b>	Contents
	Step 1.Pick up phone and press "****" to start IVR
1	Step 2.Choose "1", and CDS-9070 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.
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "2", and CDS-9070 report current WAN Port IP Address
	Step 3.Input the new WAN port IP address and with the end char #,
2	♦ using "*" to replace ".", user can input 192*168*20*168 to set the new IP address 192.168.20.168
	Step 4.Report "operation successful" if user operation properly.
	Note: If you want to quit by the wayside, press "**".
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "3", and CDS-9070 report current WAN port subnet mask
	Step 3.Input a new WAN port subnet mask and with the end char #
3	♦ using "*" to replace ".", user can input 255*255*255*0 to set the new WAN port subnet mask
	255.255.255.0
	3) Report "operation successful" if user operation properly.
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "4", and CDS-9070 report current gateway
	Step 3.Input the new gateway and with the end char #
4	♦ using "*" to replace ".", user can input 192*168*20*1 to set the new gateway 192.168.20.1
	3) Report "operation successful" if user operation properly.
	♦ Note: If you want to quit by the wayside, press "**".
	Step 1.Pick up phone and press "****" to start IVR
5	Step 2.Choose "5", and CDS-9070 report current DNS
	Step 3.Input the new DNS and with the end char #
	\$\diamonum  using "*" to replace ".", user can input 192*168*20*1 to set the new gateway 192.168.20.1
	3) Report "operation successful" if user operation properly.
	♦ If you want to quit by the wayside, press "**".

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	Step 1.Pick up phone and press "****" to start IVR
6	Step 2.Choose "6", and CDS-9070 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 CDS-9070 will be factory setting.
	Step 5.Press "7" reboot to make changes effective.
	Step 1.Pick up phone and press "****" to start IVR
7	Step 2.Choose "7", and CDS-9070 report "Reboot"
	Step 3.Prompt "Please enter password", the method of inputting password is same as operation 1.
	Step 4.CDS-9070 will reboot if password is right and operation is properly.
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "8", and CDS-9070 report "WAN Port Login"
8	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.
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "9", and CDS-9070 report "WEB Access Port"
9	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 CDS-9070 report current Firmware version

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#### **Notice:**

- When using Voice Menu, press \* (star) to return the main menu.
- ♦ If any changes made in the IP assignment mode, please reboot the CDS-9070 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 CDS-9070 is connected.
- ◆ The default LAN port IP address of CDS-9070 is 192.168.1.1 and do not set the WAN port IP address of CDS-9070 in the same network segment of LAN port of CDS-9070, otherwise it may lead to the CDS-9070 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, I -- 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 Administrator Management

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

CDS-9070 supports two-level management: administrator and user. For administrator mode operation, please type "admin/Password1" on Username/Password and click Login button to configuration.

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## 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.** 

 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.



3. For administrator mode operation, please type "admin/Password1" on Username/Password and click Login to configuration.



**Notice**: If you fail to access to the web configuration, please go to "Trouble Shooting" for detecting and solving your problems.

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.
- Getting the IP addresses of WAN port using Voice prompt.

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Open a web browser on your PC and type <a href="http://the">http://the</a> 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/Password1" on Username/Password and click Login to configuration.

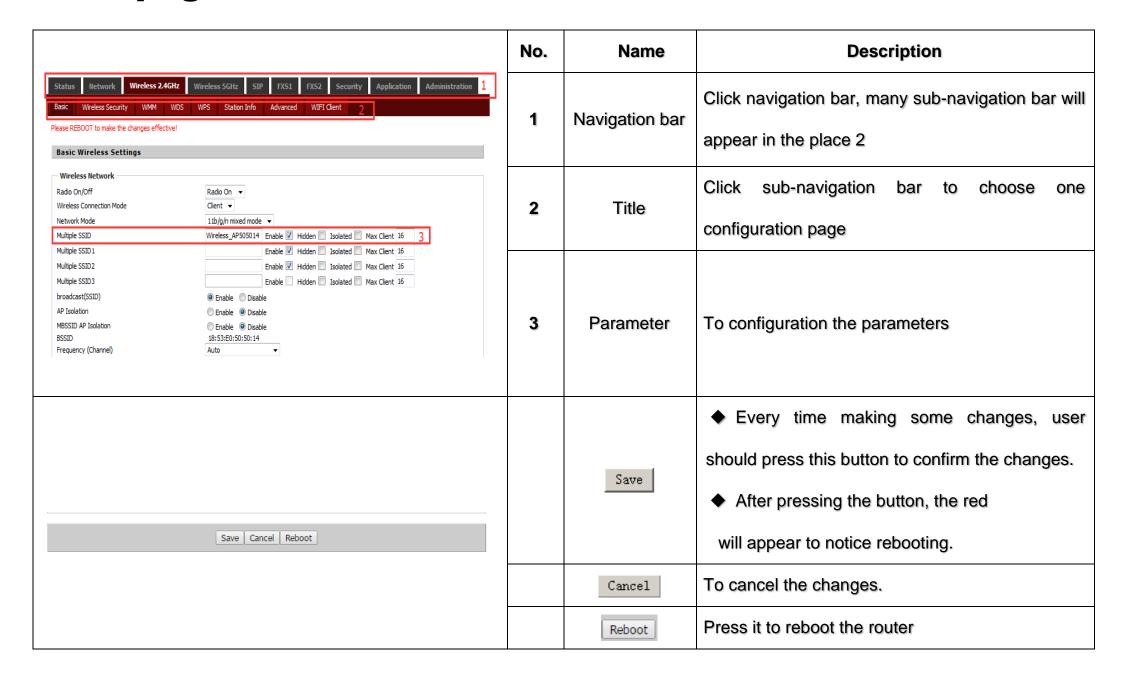


**Notice**: If you fail to access to the web configuration, please go to "Trouble Shooting" for detecting and solving your problem.

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



## 4.3 Webpage





## 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**.

Settings	
NTP Enable	Enable ▼
Option 42	Disable ▼
Current Time	2016 - 09 - 18 . 22 : 46 : 49
Sync with host	Sync with host
NTP Settings	(GMT-05:00) Eastern Time
Primary NTP Server	0.pool.ntp.org
Secondary NTP Server	
NTP synchronization(1 - 1440min)	60

## 4.5 Setting up the Internet/WAN Connection

Open the **Network/WAN** webpage as shown below; please select the appropriate **IP Mode** according to the information from your ISP.

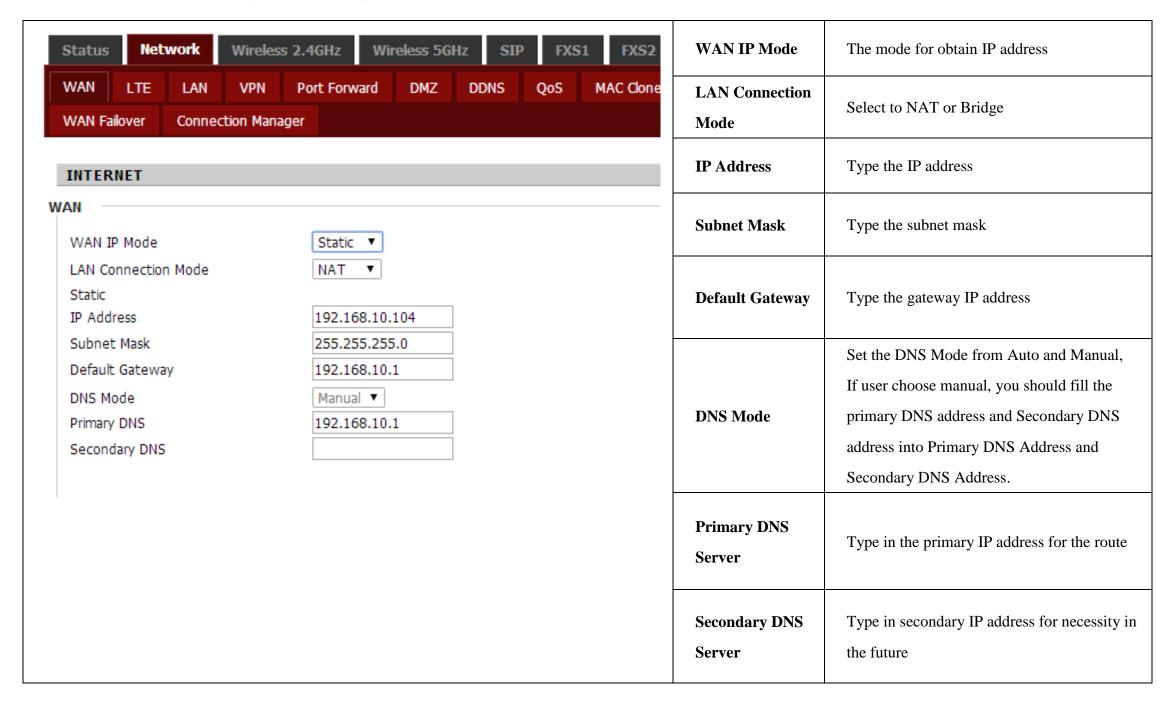
There are three types offered in this page, which are Static, DHCP and PPPoE.

#### 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



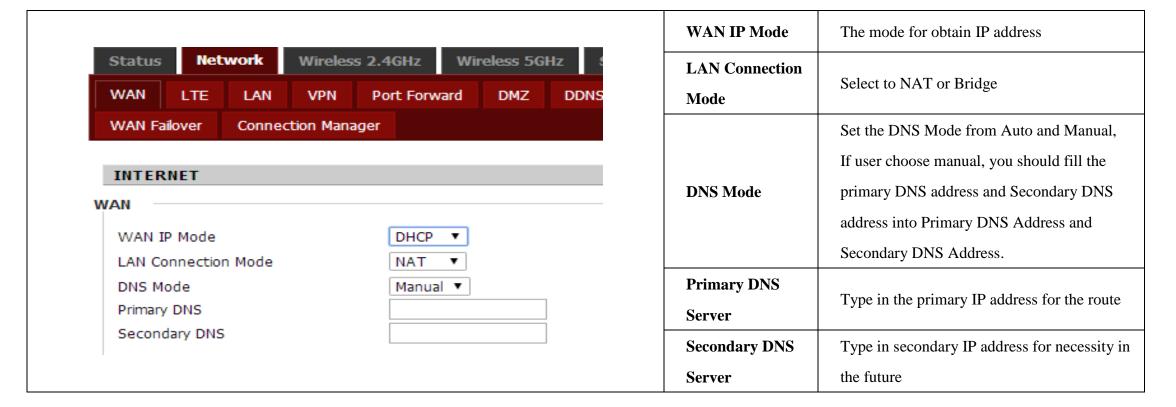
have a public subnet, you could assign an IP address to the WAN interface.





#### 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.



#### 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.



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Mode  The mode for obtain IP address  LAN  Connection Select to NAT or Bridge  Mode	
Connection Select to NAT or Bridge	
Mode	
Set the DNS Mode from Auto and Manual,	
Status Network Wireless 2.4GHz Wireless 5GHz SIP FXS1 FX! DNS Mode  If user choose manual, you should fill the primary DNS Mode	S
WAN LTE LAN VPN Port Forward DMZ DDNS QoS MAC CK	S
WAN Failover Connection Manager Address and Secondary DNS Address.	
Primary DNS Type in the primary IP address for the route  Server	
Secondary Secondary	
Type in secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the following secondary IP address for necessity in the future by the fo	æ
DNS Mode  Primary DNS  Assign a specific valid user name provided by the ISE	
Primary DNS Secondary DNS Account  Assign a specific valid user name provided by the ISF Account	
РРРоЕ	
PPPoE Account Password Password  Assign a valid password provided by the ISP	
PPPoE Password Confirm Password Confirm	
Service Name  Leave empty to autodetect  Password  Input the password again	
Operation Mode Keep Alive Redial Period(0-3600s)  Keep Alive  Service Name  The destination of PPPoE server, Leave empty to auto detect.	1
Operation	
Mode Select to Keep Alive, On Demand or Manual	
Keep Alive	
Redial	
Period(0-3600 The interval time for redialing up	
s)	

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## 4.6 Setting up the Internet/LTE Connection

#### 4.6.1 LTE

	LTE Modem	Select to Disable, Auto Connect and
Status Network Wireless 2.4GHz Wireless 5GHz SIP FXS1 FXS2	Enable	Always Connect.
WAN LTE LAN VPN Port Forward DMZ DDNS QoS MAC Clone WAN Failover Connection Manager	GSM Call Enable	Enable GSM voice call
LTE Setting  Basic Setting  LTE Modem Enable  Always Connect ▼	4G Connection Type	4G connection type ,auto or manual
GSM Call Enable	APN	Access Point Name
APN Broadband  Dial Number *99***1#  Username	Dial Number	LTE connection dial number
Password	Username	Auth username
	Password	Auth password
Internet Setting  Internet connection  Auto ▼	Internet Connection	Here you can choose use 3G, 4G or auto mode
Lock status Cell Unlock  Targeted Scell ID  Lock Cell Disable ▼	Lock Cell	Lock cell function
	Status	PIN code bind status
ding Set	SIM bind	Input the SIM bind code
tatus Binding Success  IM Bind he remaining number of unlock 3	The remaining number of unlock	Warning of the operation error time, should less than 3



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

LTE Status		
TE Status		
SIM Status	SIM Active	
IMEI Code	014339000022554	
IMSI Code	310410718976505	
ICCID	89014103277189765055	
Hardware Model	SIMCOM_SIM7100A	
Software Version	4534B03SIM7100A	
Signal Strength	atil	
RSS1	-69 dBm	
Subscriber Number	UNKNOWN	
Service Provider	AT&T	
Service Type	LTE	
registration status	registered, home network	
Connection Status	Connected	
Frequency	BAND2 U:1850-1910MHz D:1930-1990MHz	
Channel	750	
RSRQ	-72	
Data Rate	Up 0 kbit/s Down 0 kbit/s	
Send/Recived	5.008 KB / 2.1014 KB	
IP Address	10.33.192.170	
Subnet Mask	255.255.255.252	

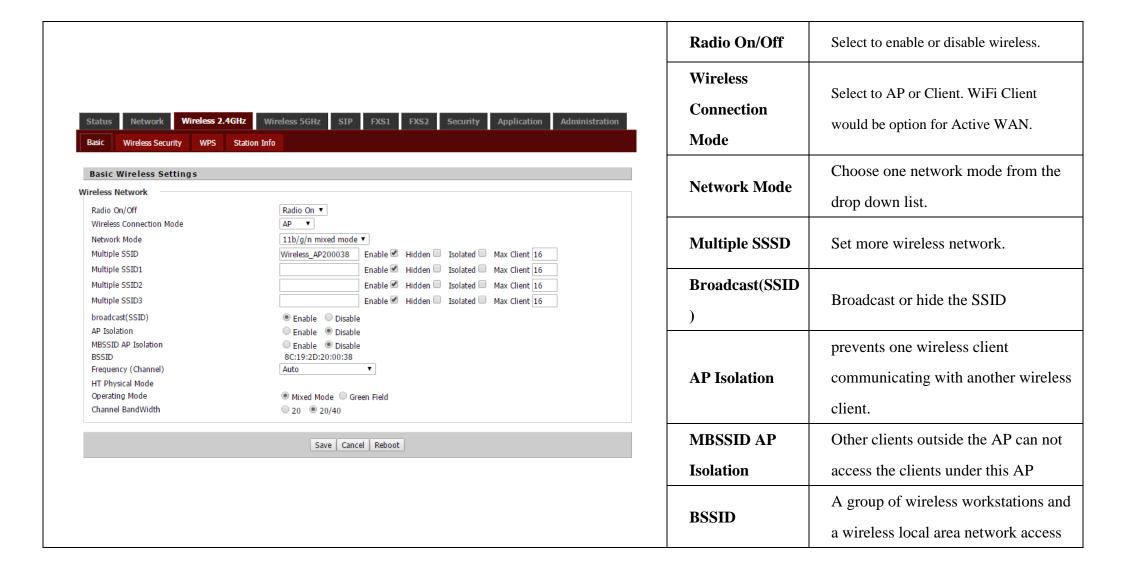


## 4.7 Setting up the Wireless Connection

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

#### 4.7.1 Enable Wireless and Setting SSID

Open 2.4G (5G) /Basic webpage as shown below





Status Network Wireless 2.46	GHz <b>Wireless 5GHz</b> SIP FXS1 FXS2 Security Application Administration	Frequency HT Physical	point (AP) form a basic access device (BSS), each computer in the BSS must be configured with the same BSSID.  Choose channel frequency.  In HT (High Throughput) Physical mode setting allow for control of the
Basic Wireless Security WPS	Station Info	Mode	802.11n wireless environment.
Basic Wireless Settings  Wireless Network  Radio On/Off Wireless Connection Mode Network Mode Multiple SSID Multiple SSID1 Multiple SSID2 Multiple SSID3 broadcast(SSID) AP Isolation MBSSID AP Isolation BSSID Frequency (Channel) HT Physical Mode Operating Mode	Radio On  AP  I1vht AC/AN/A  Wireless_5G200038 Enable Hidden Isolated Max Client 16 Enable Disable Enable Disable Enable Disable Enable Disable SC:19:2D:20:00:3C Auto   Mixed Mode Green Field	Operating Mode	Mixed Mode: In this mode packets are transmitted with a preamble compatible with the legacy 802.11a/g, the rest of the packet has a new format. Green Field: In this mode high throughput packets are transmitted without a legacy compatible part.
Channel BandWidth Extension Channel	② 20 ◎ 20/40 Auto ▼	Channel	20 Channel Width = 20 MHz
VHT Option VHT BandWidth	© 20/40	BandWidth	20/40 Channel Width = 20/40 MHz
	Save Cancel Reboot	Extension Channel(5GHz Only)	Auto to choose extension channel frequency.
		VHT Option(5GHz Only)	With IEEE 802.11ac standard, very-high-throughput can be configured to operate on the 5 GHz frequency band.
		VHT BandWidth(5G Hz Only)	20/40 Channel Width = 20/40 MHz 80 Channel Width = 80 MHz



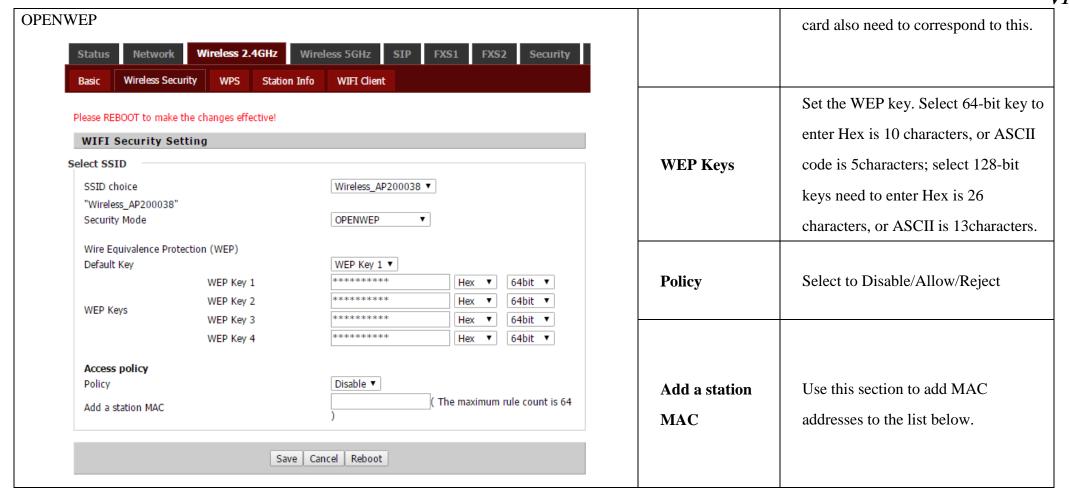
## 4.7.2 Encryption

Open 2.4G (5G)/Security webpage to set the encryption of routers.

WAP-PSK/WAP2-PSK/WAPPSKWAP2PSK  Status Network Wireless 2.4GHz Wireless 5GHz SIP FXS1 FXS2 Security  Basic Wireless Security WPS Station Info	SSID Choice	Choose one SSID from Off-premises 1, off-premises 2 and Premises.
WIFI Security Setting  Select SSID  SSID choice  "Wireless_AP200038"  Security Mode  WPA-PSK  WPA  WPA  WPA  WPA Algorithms  Pass Phrase	Security Mode	Unless one of these encryption modes is selected, wireless transmissions to and from your wireless network can be easily intercepted and interpreted by unauthorized users.
Key Renewal Interval  Access policy Policy  Add a station MAC  Save Cancel Reboot  Save Cancel Reboot	WPA Algorithms	TKIP (Temporal Key Integrity Protocol) provides per-packet key generation and is based on WEP.  AES (Advanced Encryption Standard) is a very secure block based encryption. With the "TKIP and AES" option, the router negotiates the cipher type with the client, and uses AES when available.
	Pass Phrase	Security password
	Key Renewal Interval	The amount of time before the group key used for broadcast and multicast data is changed.
	Default Key	Select one of the four WEP keys, the key settings on the client network



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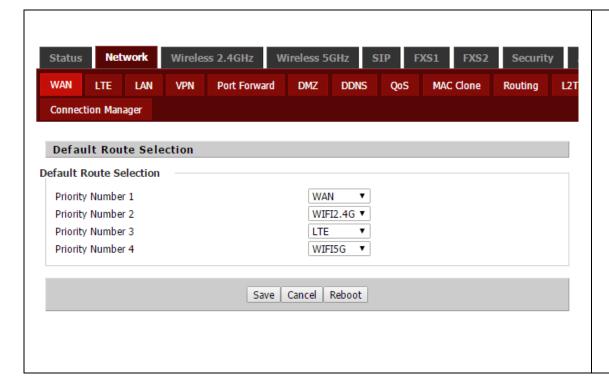




## 4.8 Setting up WAN Failover

#### 4.8.1 WAN Failover List

WAN Failover works in multiple outbound links to assure that you maintain Internet connectivity if a loss of connectivity occurs on one of your WAN connections. If one of your ISP links goes down, WAN Failover will automatically route all traffic over the other WAN(s) until service is restored.

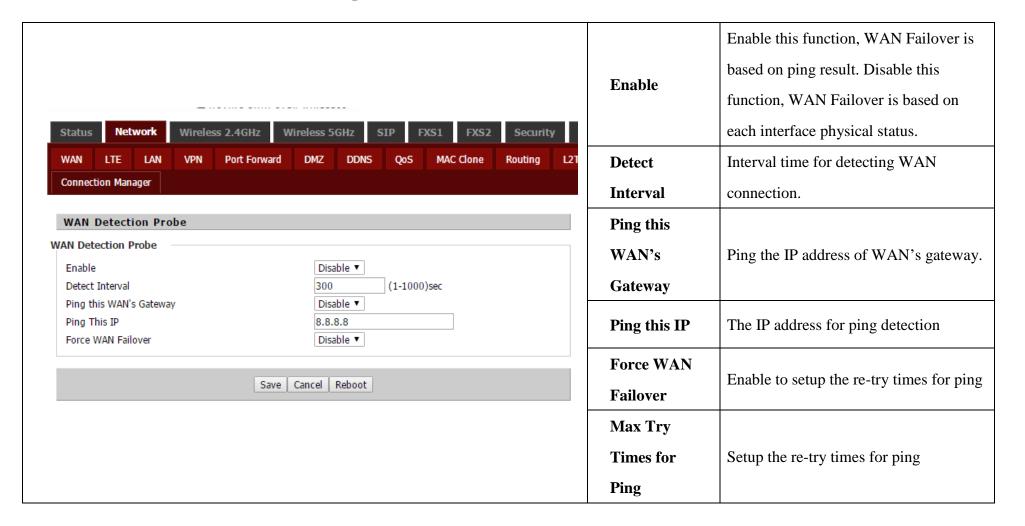


CDS-9070 allows failover of the default route to WAN interfaces. This part of settings allows ranking each WAN interface in order of preferred usage for the default route. The default route will always be set to the highest-priority connected WAN interface. The assignment changes as WAN interfaces connect or disconnect from the current network.

Default Route Selection support WAN/ WiFi 2.4G/ LTE and WiFi 5.0G. WAN Failover list switch over from Number1 (highest priority) to Number 4 (lowest priority).



## **4.8.2 Connection Manager**





## 4.9 Register

#### 4.9.1 Get the Accounts

CDS-9070 have 2 phone ports, you can use it to make SIP call, and before registering, you should get the SIP account from you administrator or provider.

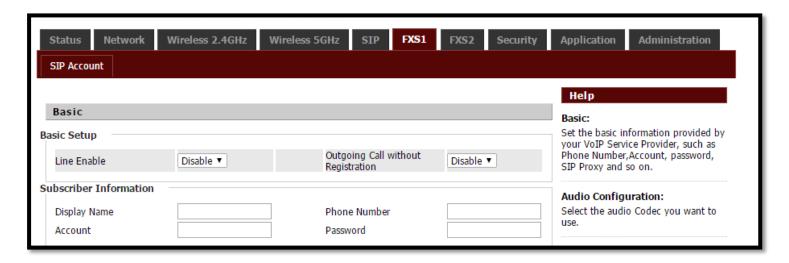
#### 4.9.2 Connections

Connect CDS-9070 to the Internet properly

## 4.9.3 Configuration SIP from Webpage

- Step 1. Open SIP Account/Line 1 webpage, as the picture in the right side.
- Step 2. Fill account which get from you administrator into Display Name parameter, Phone Number parameter, and Account parameter.
- Step 3.Fill password which get from you administrator into Password parameter.
- Step 4.Press \_\_\_\_\_ 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.





## **4.9.4 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 CDS-9070 have registered normally and you can make calls.

SIP Account Status				
Registered 627				
192.168.10.1				
192.168.10.1				
Disable				
0.0.0.0				
0.0.0.0				
	192.168.10.1 192.168.10.1 Disable 0.0.0.0			

DATAREMOTE

4.10 Make Call

4.10.1 Calling phone or extension numbers

To make a phone or extension number call:

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 call, first pick up the analog phone or turn on the speakerphone on the analog phone, input the IP address directly, end with #.

4.10.2 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

"#".



#### 4.10.3 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.

#### 4.10.4 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.

#### 4.10.5 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.

#### 4.10.6 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.

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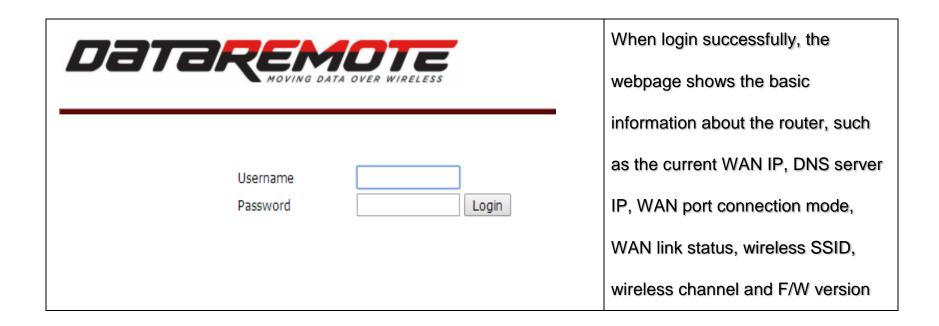
## **5 Web Configuration**

This chapter will guide users to execute 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.



Step 3.Please type "admin/Password1" on Username/Password for administration operation. Now, the Main Screen will appear like below.

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## 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 CDS-9070's Status webpage.

Internet(WAN) MAC Address	8C:19:2D:20:00:99				
PC(LAN) MAC Address	8C:19:2D:20:00:98				
Hardware Version	V2.2				
Loader Version	V3.14(Aug 10 2016 17:31:23)				
Firmware Version	V3.10(201608181846)				
Serial Number	501629				
LTE Status					
E Status					
SIM Status	SIM Active				
IMEI Code	014339000022554				
IMSI Code	310410718976505				
ICCID	89014103277189765055				
Hardware Model	SIMCOM_SIM7100A				
Software Version	4534B03SIM7100A				
Signal Strength	all				
RSSI	-69 <mark>d</mark> Bm				
Subscriber Number	UNKNOWN				
Service Provider	AT&T				
Service Type	LTE				
registration status	registered, home network				
Connection Status	Connected				
Frequency	BAND2 U:1850-1910MHz D:1930-1990MHz				
Channel	750				
RSRQ	-72				
Data Rate	Up 0 kbit/s Down 0 kbit/s				
Send/Recived	5.008 KB / 2.1014 KB				
IP Address	10.33.192.170				
Subnet Mask	255.255.255.252				



#### 5.3 Network

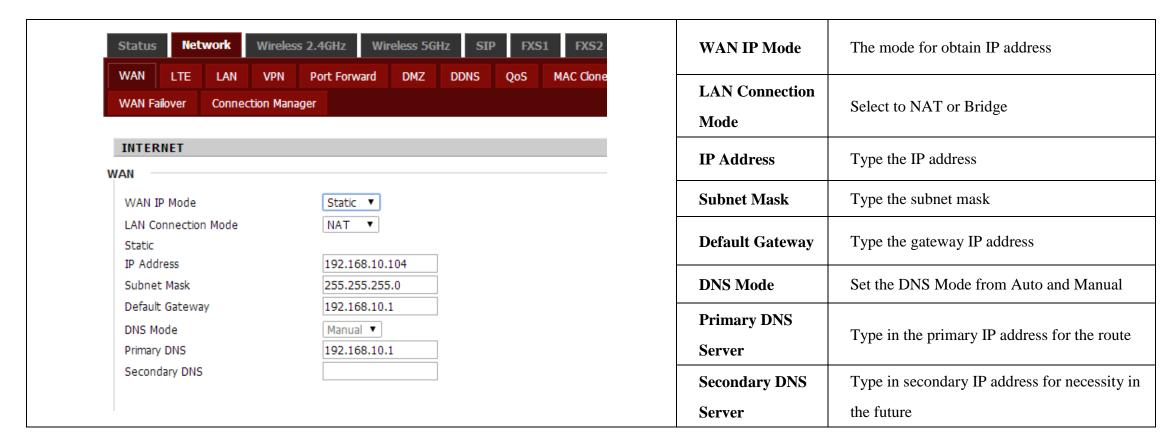
You can configuration the WAN port, LAN port, DDNS, Multi WAN, DMZ, MAC Clone, Port Forward and so on in these two bars.

#### 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.





#### 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.

					WAN IP Mode	The mode for obtain IP address
Status Netwo	wireles	s 2.4GHz Wi	reless 5GI	lz s	LAN Connection	
WAN LTE I	LAN VPN	Port Forward	DMZ	DDNS	Mode	Select to NAT or Bridge
WAN Failover Connection Manager				Set the DNS Mode from Auto and Manual,		
				If user choose manual, you should fill the		
INTERNET			DNS Mode	primary DNS address and Secondary DNS		
VAN		(au a				address into Primary DNS Address and
WAN IP Mode LAN Connection M	ode	DHCP ▼				Secondary DNS Address.
DNS Mode		Manual ▼			Primary DNS	
Primary DNS					Server	Type in the primary IP address for the route
Secondary DNS		Secondary DNS	Type in secondary IP address for necessity in			
					Server	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.



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	WAN IP	The mode for obtain IP address		
	Mode			
	LAN			
	Connection	Select to NAT or Bridge		
	Mode			
		Set the DNS Mode from Auto and Manual,		
Status Network Wireless 2.4GHz Wireless 5GHz SIP FXS1	FX:	If user choose manual, you should fill the primary DNS		
	DNS Mode	address and Secondary DNS address into Primary DNS		
WAN Failover Connection Manager		Address and Secondary DNS Address.		
INTERNET	Primary DNS Server	Type in the primary IP address for the route		
WAN IP Mode PPPoE ▼	Secondary			
LAN Connection Mode NAT ▼	DNS Server	Type in secondary IP address for necessity in the future		
DNS Mode Auto ▼	PPPoE			
Primary DNS Secondary DNS	Account	Assign a specific valid user name provided by the ISP		
PPPoE	PPPoE			
PPPoE Account test	Password	Assign a valid password provided by the ISP		
PPPoE Password  Confirm Password  •••••••••	Confirm			
Service Name	Password	Input the password again		
Leave empty to autodetect  Operation Mode  Keep Alive ▼  Keep Alive Redial Period(0-3600s)  5	Service Name	The destination of PPPoE server, Leave empty to auto detect.		
	Operation	Calantin Varia Al'ara On Danisa de Managa		
	Mode	Select to Keep Alive, On Demand or Manual		
	Keep Alive			
	Redial			
	Period(0-3600	The interval time for redialing up		
	s)			

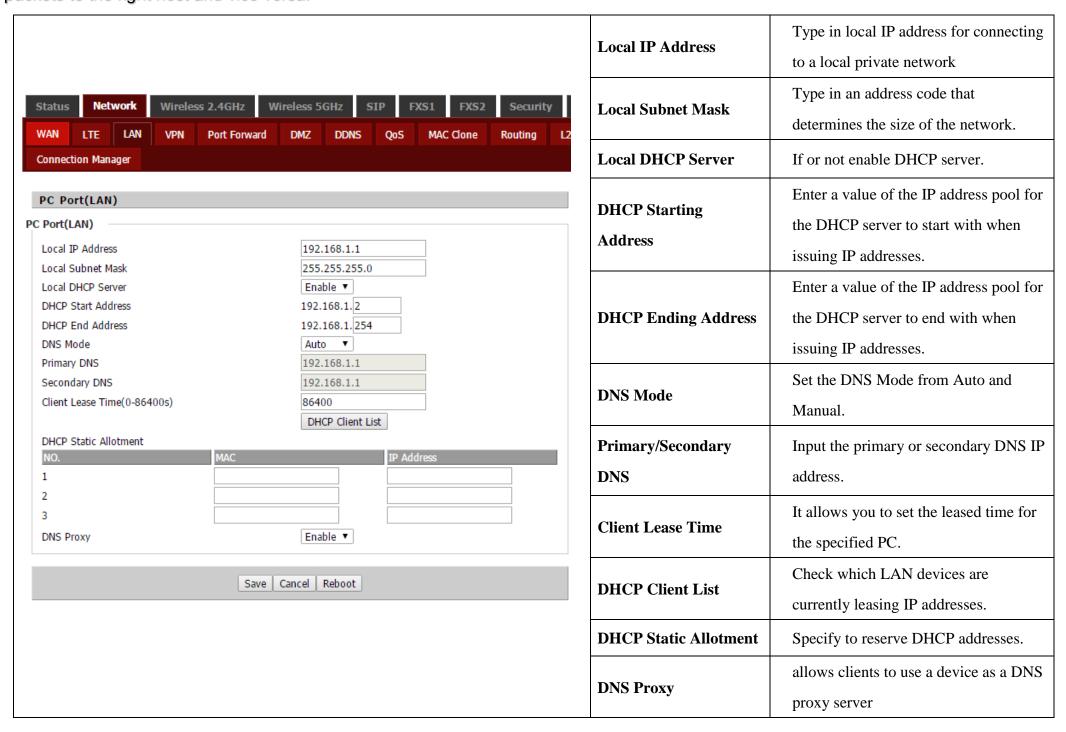
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#### 5.3.2 LAN

#### **LAN Port:**

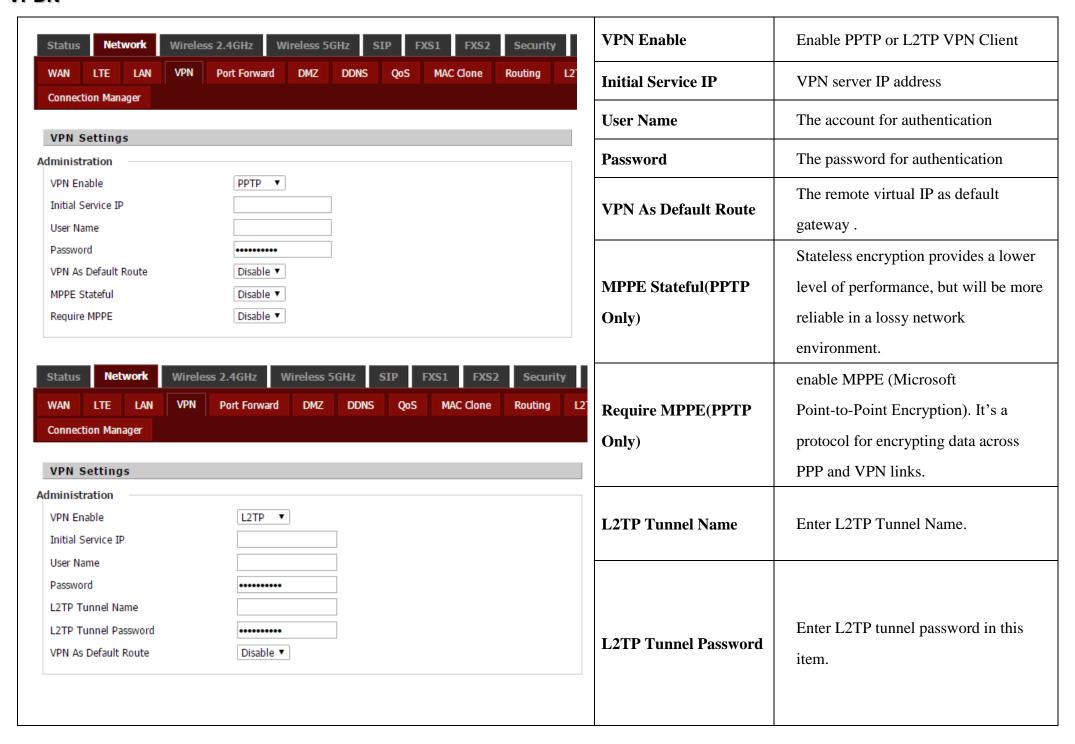
The most generic function of router is NAT. What NAT does is to translate the packets from public IP address to local IP address to forward the right packets to the right host and vice versa.





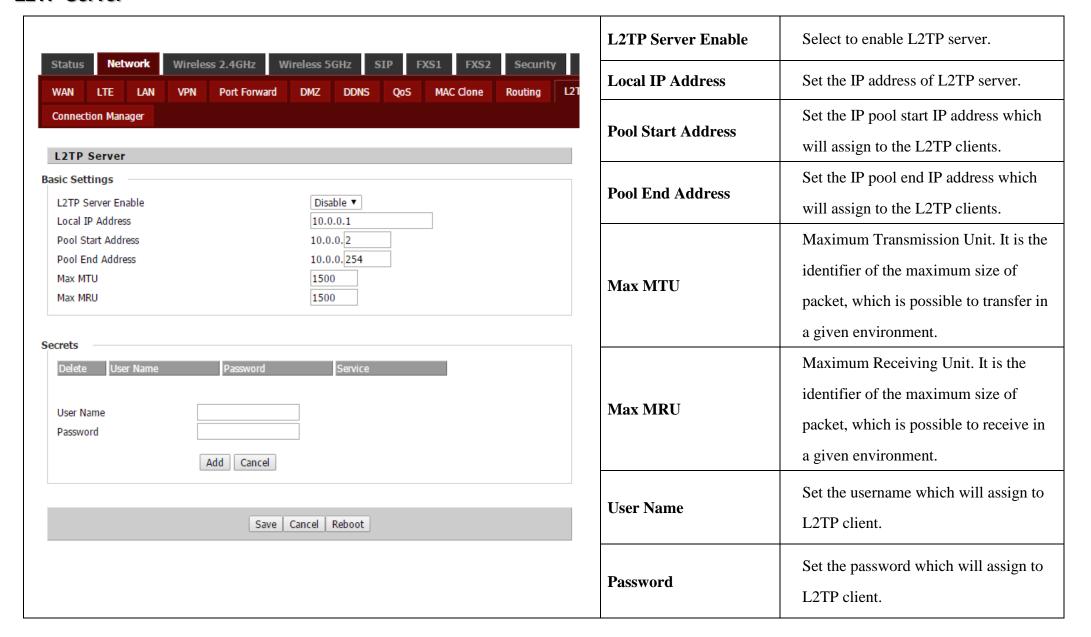
### **5.3.3 VPN/L2TP**

#### **VPDN**



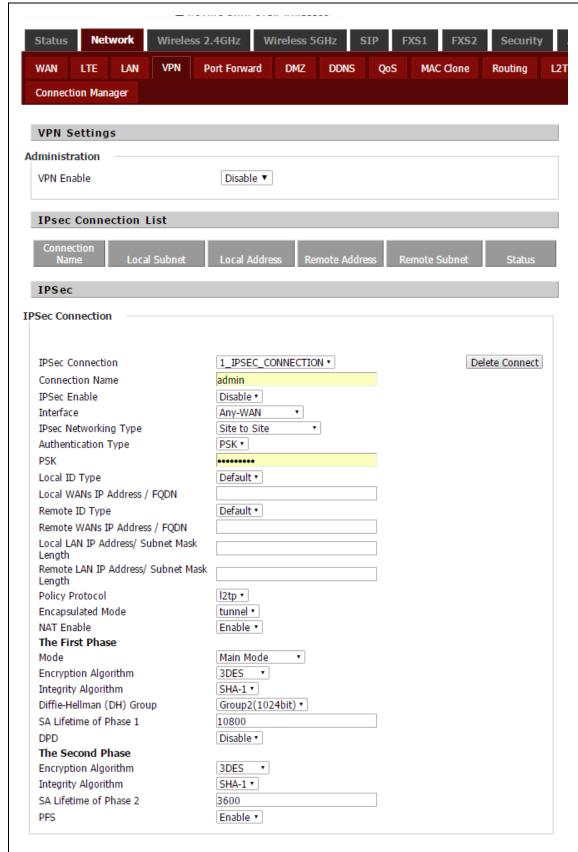


#### **L2TP Server**





#### **IPsec Connection**



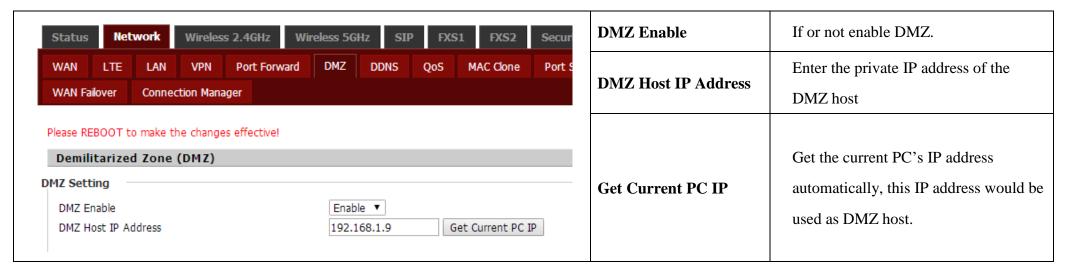
<b>IPSec Connection List</b>	The connection status of IPSec VPN
<b>IPSec Connection</b>	Select the specify VPN
<b>Connection Name</b>	The name of this IPSec VPN
IPSec Enable	Select to enable or disable IPSec VPN
Interface	Select the interface for encryption
IPSec Networking Type	The connection type of networking
Authentication Type	The authentication method of IPSec VPN
PSK	The secret of IPSec VPN
Local ID Type	Select the local ID type for IKE negotiation
Local WANs IP	Local IP address or domain name for
Address/FQDN	IKE negotiation
Remote ID Type	Select the remote ID type for IKE negotiation
Remote WANs IP	the address of remote side IPSec VPN
Address/FQDN	server
Local LAN IP Address/ Subnet Mask Length	IPSec local protected subnet's address.
Remote LAN IP Address/ Subnet Mask Length	IPSec remote protected subnet's address.
Policy Protocol	The policy protocol for encryption

<b>Encapsulated Mode</b>	Select the security protocols
	Enable NAT Traversal for IPSec. This
NAT Enable	item must be enabled when router
	under NAT environment.
	Select from "Main" and "aggressive"
Mode	for the IKE negotiation mode in phase
	1.
T	Select Encryption Algorithm to be
<b>Encryption Algorithm</b>	used in IKE negotiation.
<b>.</b>	Select Integrity Algorithm to be used
Integrity Algorithm	in IKE negotiation.
Diffie-Hellman (DH)	Select Diffie-Hellman Group to be
Group	used in key negotiation phase 1.
SA Lifetime of Phase 1	Set the lifetime in IKE negotiation.
	Set the interval after which DPD is
DPD Time Interval(s)	triggered if no IPSec protected packets
	is received from the peer.
DPD Timeout(s)	Set the timeout of DPD packets.
	Select Encryption Algorithm to be
<b>Encryption Algorithm</b>	used in IPSec SA negotiation.
T	Select Integrity Algorithm to be used
Integrity Algorithm	in IPSec SA negotiation.
GA 742 4 2 2 2 2	Set the lifetime in IPSec SA
SA Lifetime of Phase 2	negotiation
<u> </u>	<u> </u>
	Enable or disable PFS. (Perfect
PFS	Enable or disable PFS. (Perfect Forward Secrecy)PFS will ensure the



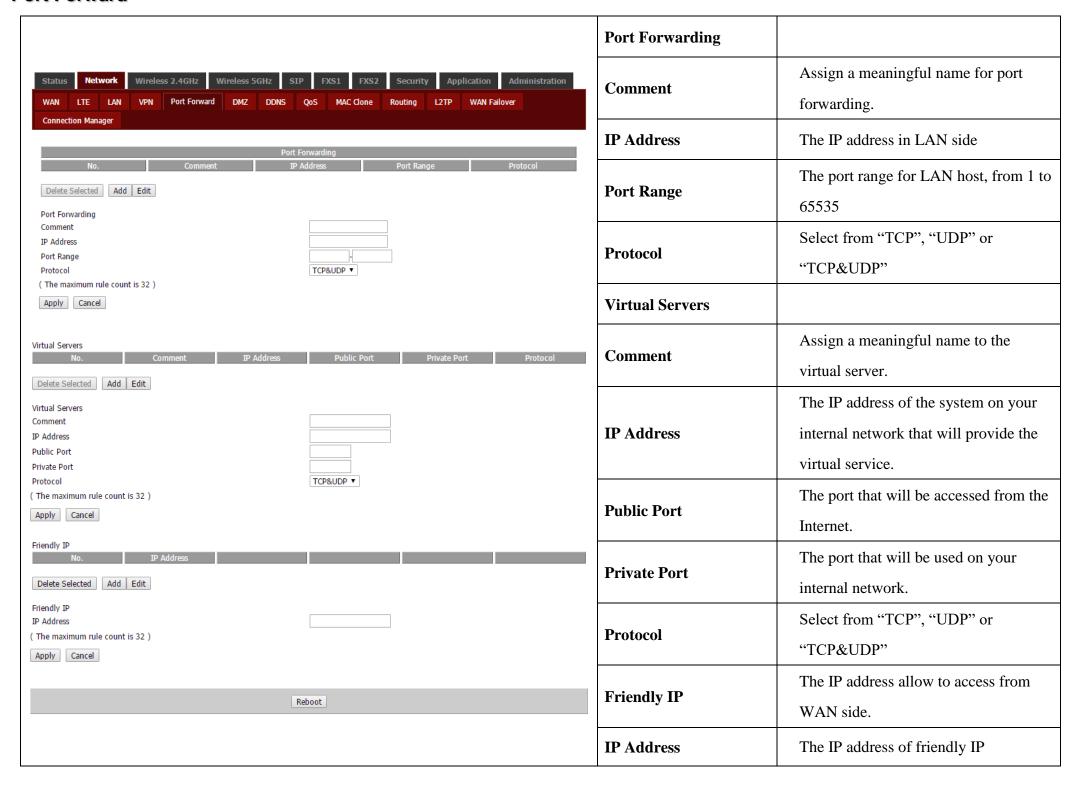
### 5.3.4 DMZ/Port Forward

#### **DMZ**



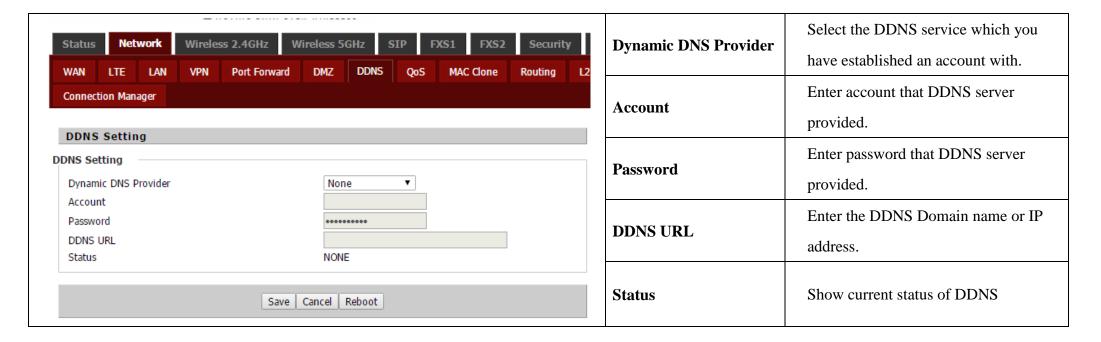


#### **Port Forward**

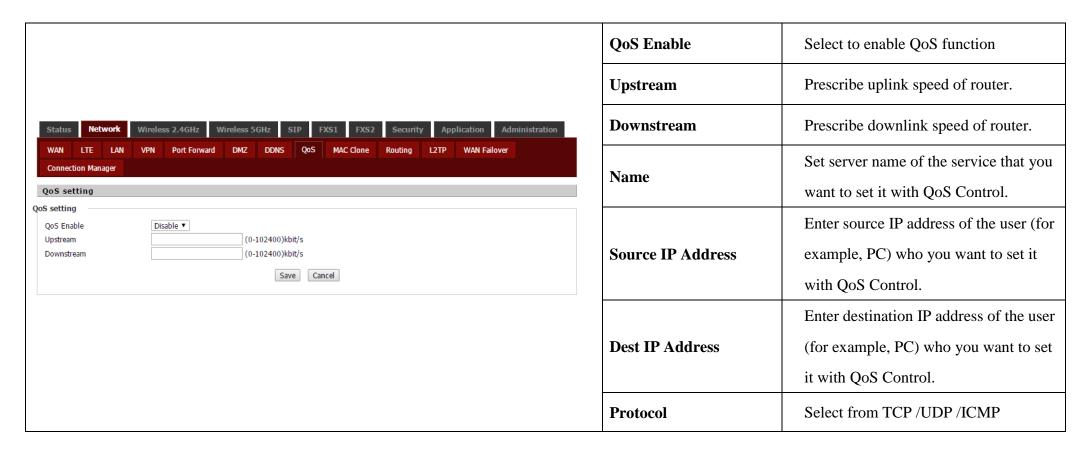




### 5.3.5 **DDNS**



### 5.3.6 QoS



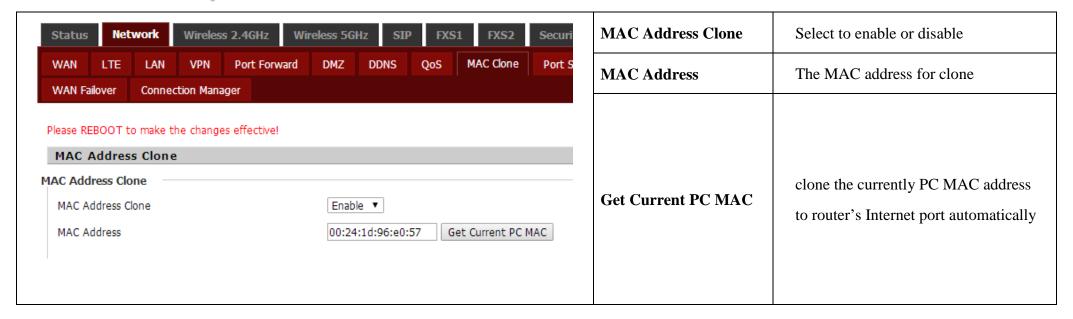


			Source port range of the service that
		Src.Port Range	you want to set it with QoS Control.
			Destination port number of the service
		<b>Dst.Port Range</b>	that you want to set it with QoS
			Control.
		Physical Port	Select from WAN/LAN
	Condition Action		set the Differentiated Services Code
Src.IP Dst.IP Name Address Address	Src.Port Dst.Port Physical Remark Remark Remark Remark Protocol Range Range Port DSCP 802.1p VLAN ID DSCP 802.1p VLAN_ID Priority Drop Limit	DSCP	Point (DSCP) values in Quality of
Classifier Settings	Delete Selected Add		Service (QoS)
Name Condition			802.1p is an IEEE standard that
Source IP Address Dest IP Address		902 1m	describes mechanisms to prioritize
Protocol Physical Port		802.1p	traffic and perform dynamic multicast
DSCP 802.1p			filtering.
VLAN ID  Action			When configuring a VLAN tag-based
Remark DSCP Remark 802.1p		VLAN ID	QoS policy map, the router applies the
Remark VLAN_ID Priority Drop	▼	VLAN ID	policy to one Ethernet port and only to
Rate Limit	● Yes ● No (1-102400)kbit/s		the VLANs on that particular port.
	Save Cancel	Remark DSCP	Remark DSCP Tag
		Remark 802.1p	Remark 802.1p Tag
		Remark VLAN_ID	Remark VLAN_ID Tag
		D	Select from voice (VO), video (VI),
		Priority	best effort (BE), and background (BK)
		Drop	Select to Drop or not drop the packet
		Rate Limit	Limit the speed of this rule



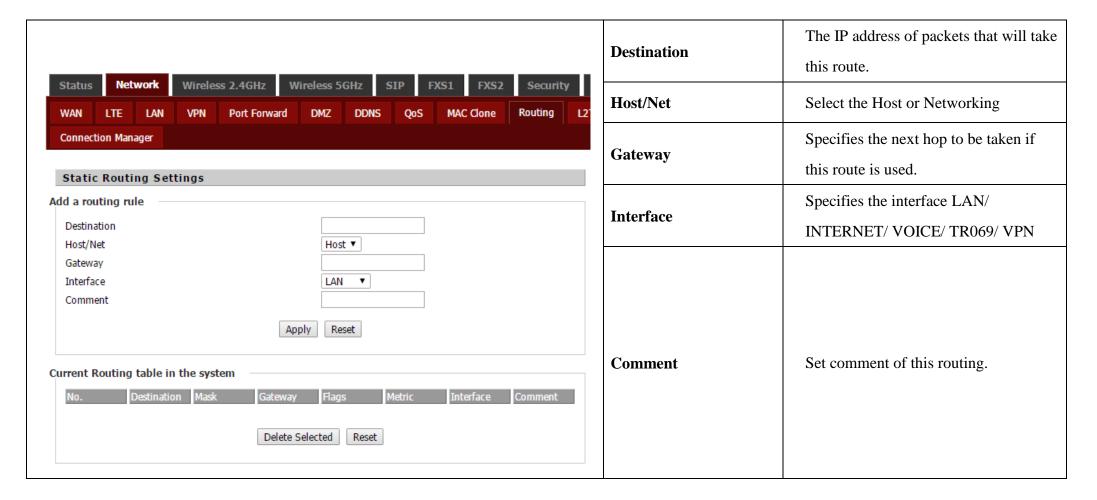
### 5.3.7 MAC Clone

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.





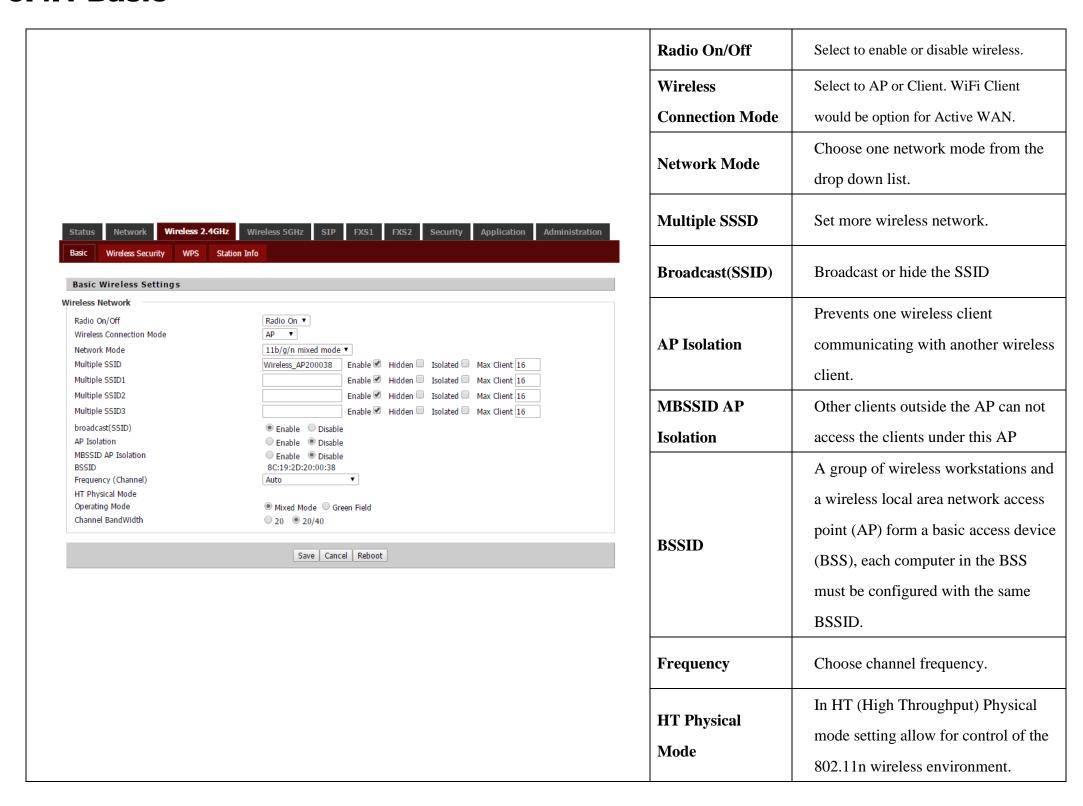
## **5.3.8 Routing**



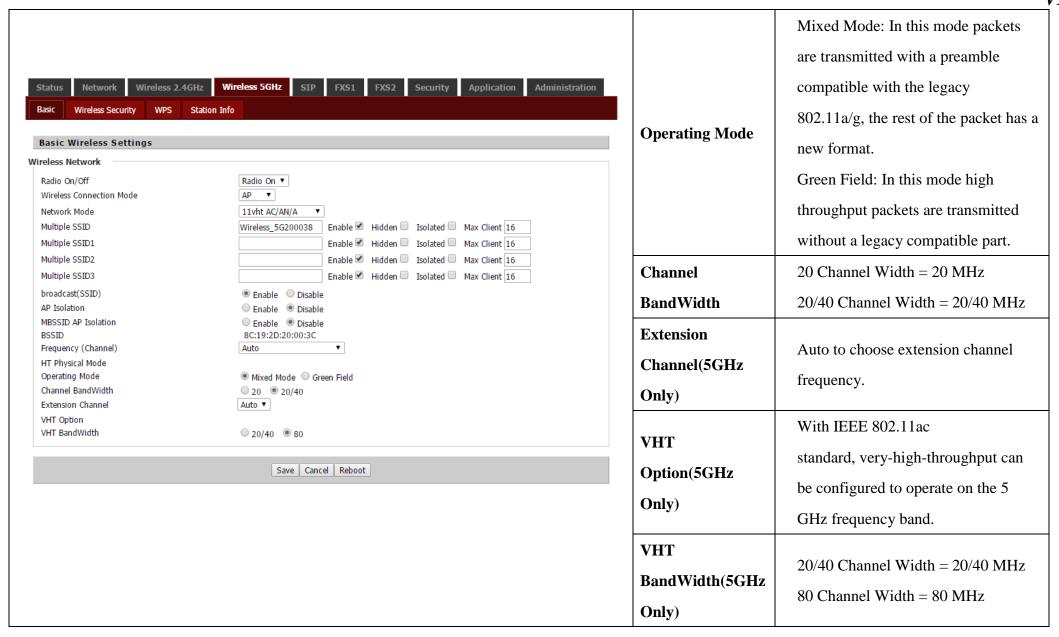


## **5.4 Wireless**

#### **5.4.1 Basic**







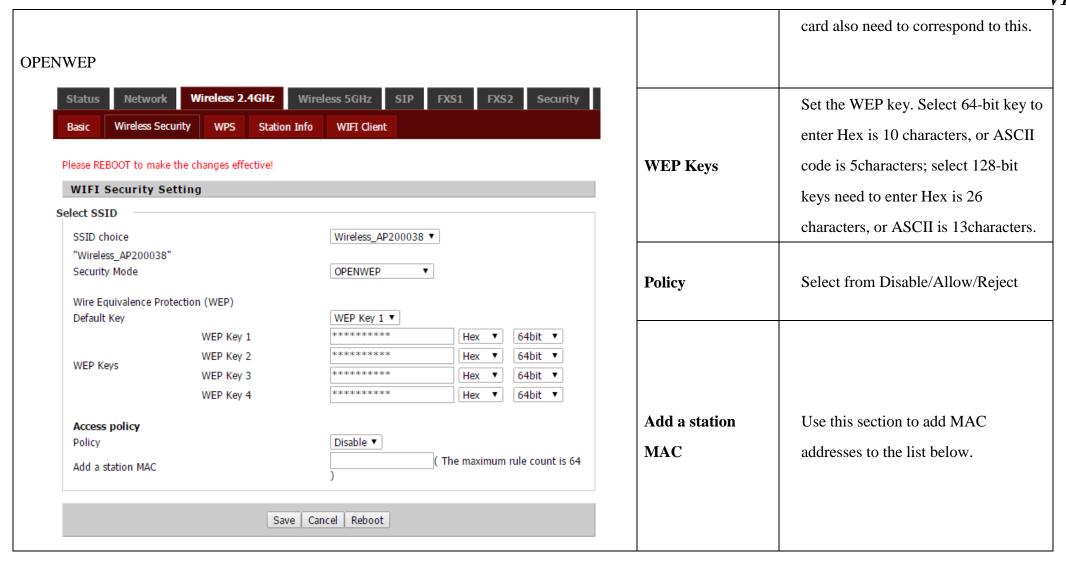


# **5.4.2 Security**

Open 2.4G (5G)/Security webpage to set the encryption of routers.

	SSID	) Choice	Choose one SSID from Off-premises  1, off-premises 2 and Premises.
WAP-PSK/WAP2-PSK/WAPPSKWAP2PSK  Status Network Wireless 2.4GHz Wireless 5GHz SIP FX  Basic Wireless Security WPS Station Info  WIFI Security Setting  Select SSID	S1 FXS2 Security Secur	rity Mode	Unless one of these encryption modes is selected, wireless transmissions to and from your wireless network can be easily intercepted and interpreted by unauthorized users.
Pass Phrase  Key Renewal Interval  Access policy  Policy  Policy  ********  3600 sec (0 ~ 864)  Disable ▼	WPA  we maximum rule count is 64	A Algorithms	TKIP (Temporal Key Integrity  Protocol) provides per-packet key generation and is based on WEP.  AES (Advanced Encryption  Standard) is a very secure block based encryption. With the "TKIP and AES" option, the router negotiates the cipher type with the client, and uses AES when available.
	Pass 1	Phrase	Security password
	Key I	Renewal val	The amount of time before the group key used for broadcast and multicast data is changed.
	Defau	ult Key	Select one of the four WEP keys, the key settings on the client network



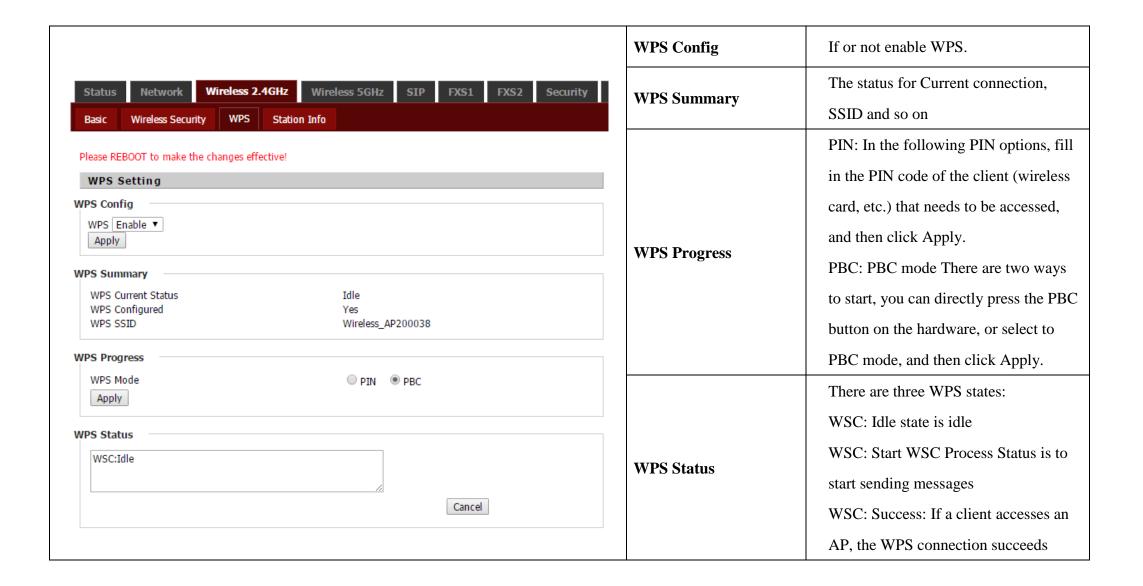


### **5.4.3 WPS**

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.

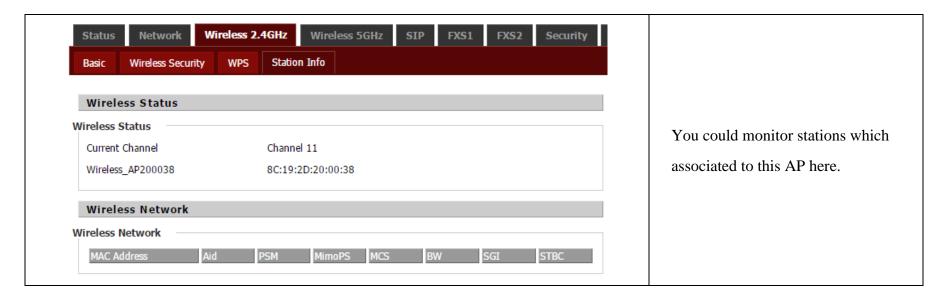
It is the simplest way to build connection between wireless network clients and vigor router. Users do not need to select any encryption mode and type any long encryption passphrase to setup a wireless client every time. He/she only needs to press a button on wireless client, and WPS will connect for client and router automatically. Press button less than 5s for 2.4G, press button between 5 to 10s for 5.0G.





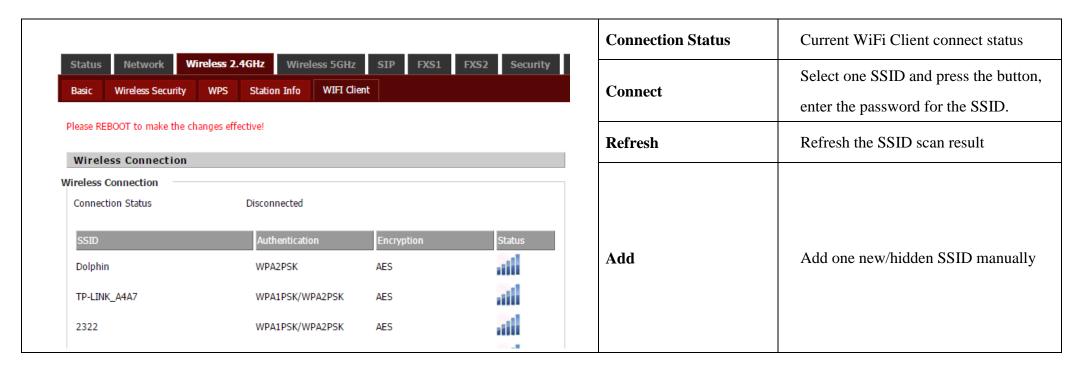


### 5.4.4 Station list



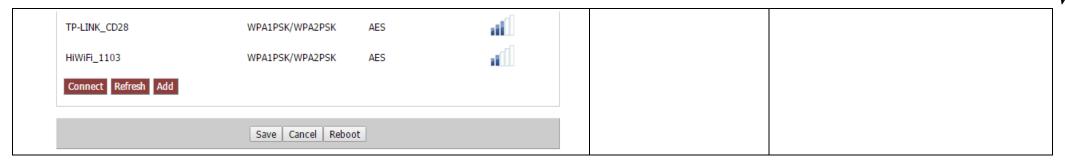
### **5.4.5 Client**

Enable WiFi Client would be one option for WAN Failover, select as the default route.





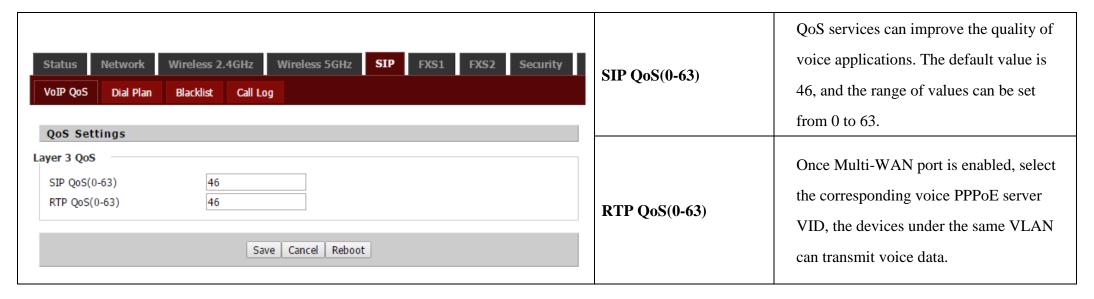
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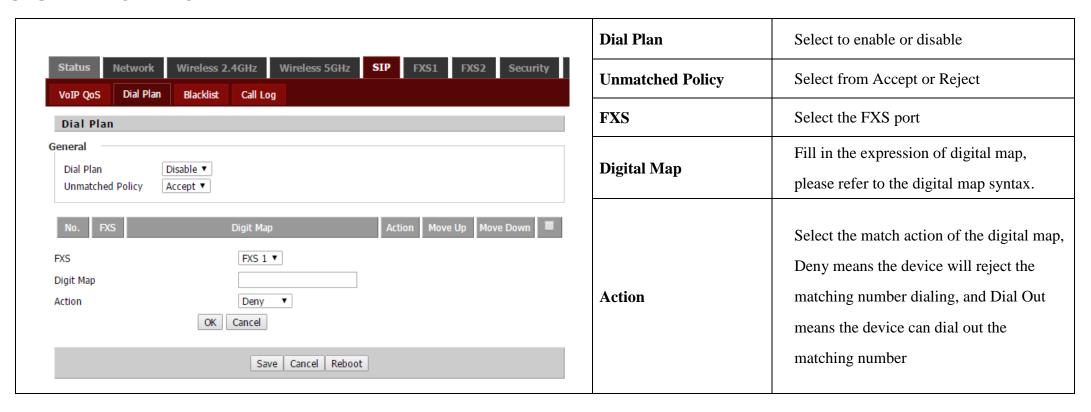


## 5.5 Phone

### **5.5.1 VoIP QoS**

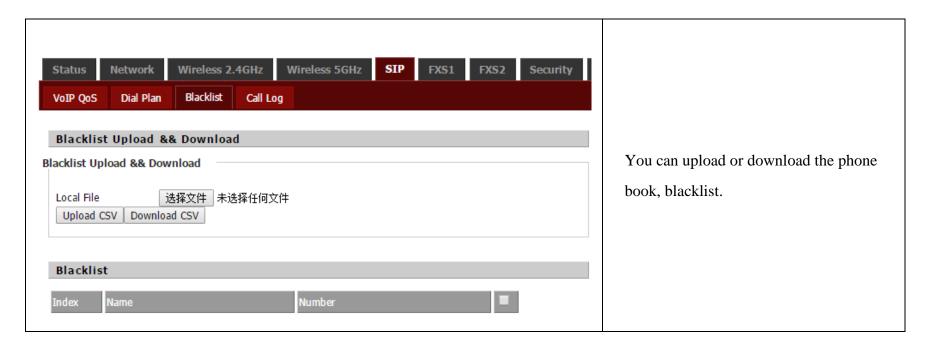


### 5.5.2 Dial Plan





### 5.5.3 Blacklist



## **5.5.4 Call Log**





# **5.6 SIP Account**

### 5.6.1 FXS1/2 SIP Account

		Line Enable	Select to enable or disable Line
Status Network Wireless 2.4GHz Wireless SIP Account	s 5GHz SIP FXS1 FXS2 Security	Outgoing Call without Registration	Select to enable or disable this function
		Display Name	The display name of this SIP number
Basic Setup		Phone Number	The phone number provided by SIP
Line Enable Disable ▼	Outgoing Call without Registration  Disable ▼		server
Subscriber Information	Registration	Account	The account provided by SIP server for
Display Name	Phone Number	Account	authentication
Account	Password		The password provided by SIP server for
		Password	authentication

## **5.6.2 FXS1/2 Audio Configuration**

				Audio Codec Type	Select the appropriate encoding
				G.723 Coding Speed	Select from 5.3kbps or 6.3kbps
Audio Configuratio Codec Setup  Audio Codec Type 1	G.711U ▼	Audio Codec Type 2	G.711A ▼	Packet Cycle(ms)	Set the RTP packetization period. The default configuration is 20ms
Audio Codec Type 3 Audio Codec Type 5	G.729 ▼ G.723 ▼	Audio Codec Type 4 Audio Codec Type 6	G.722 ▼ G726-32 ▼	Silence Supp	Mute enable
G.723 Coding Speed Silence Supp	5.3k bps ▼ Disable ▼	Packet Cycle(ms) Echo Cancel	20 ▼ Enable ▼	Echo Cancel	Echo Cancellation is enabled by default
Auto Gain Control Codec Priority	Disable ▼ Remote ▼	Use First Matching Vocoder in 200OK SDP Packet Cycle Follows Remote SDP	Disable ▼ Disable ▼	Auto Gain Control	Used to automatically adjust the speech level of an audio signal to a predetermined value.
				<b>Use First Matching</b>	Select to enable or disable

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FAX Configuration				Vocoder in 200OK SDP	
FAX Mode T.38 CNG Detect Enable gpmd attribute Enable	T.38 ▼  Disable ▼  Disable ▼	ByPass Attribute Value T.38 CED Detect Enable T.38 Redundancy	fax/modem ▼  Enable ▼  Disable ▼	Codec Priority	Select from local or remote
Max Fax Rate	14400 <b>▼</b>	1.50 Redundancy		Packet Cycle Follows Remote SDP	Select to enable or disable
				FAX Mode	Select from T.30/ T.38/ ByPass
				ByPass Attribute Value	Select from fax/modem or
					X-fax/X-modem
				T.38 CNG Detect Enable	Select to enable or disable
				T.38 CED Detect Enable	Select to enable or disable
				gpmd attribute Enable	Select to enable or disable
				T.38 Redundancy	Select to enable or disable
				Max Fax Rate	Select from 14400/ 9600/ 4800



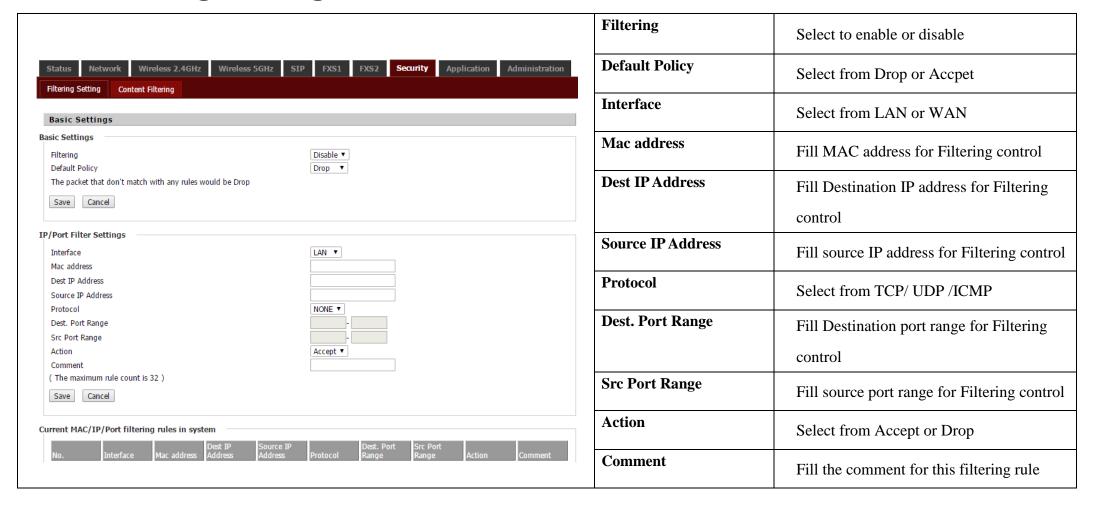
# **5.6.3 FXS1/2 Supplementary Service Subscription**

				Call Waiting	Select to enable or disable
				Hot Line	Fill in the hotline number. After the
					subscriber is set up successfully, the
Supplementary Serv	vice Subscription				hotline number will be automatically
Supplementary Services	rice Subscription				dialed immediately after off-hook
Call Waiting MWI Enable	Enable ▼	Hot Line Voice Mailbox Numbers		MWI Enable	Enable WMI (Message Waiting
MWI Subscribe Enable	Disable ▼	VMWI Serv	Enable ▼		Indication), enable this function if you
DND	Disable ▼				want to use voicemail
Speed Dial				Voice Mailbox Numbers	Fill in the voicemail code provided by
Speed Dial 2		Speed Dial 3			your ISP
Speed Dial 4 Speed Dial 6 Speed Dial 8		Speed Dial 5 Speed Dial 7 Speed Dial 9		MWI Subscribe Enable	Select to enable or disable
Speed Diai 6		Speed Dial 9		VMWI Serv	Select to enable or disable
				DND	After nable this option, any phone call
					can not be dialed in, default is disable.
				Speed Dial	Pre-set the phone number for Fast call



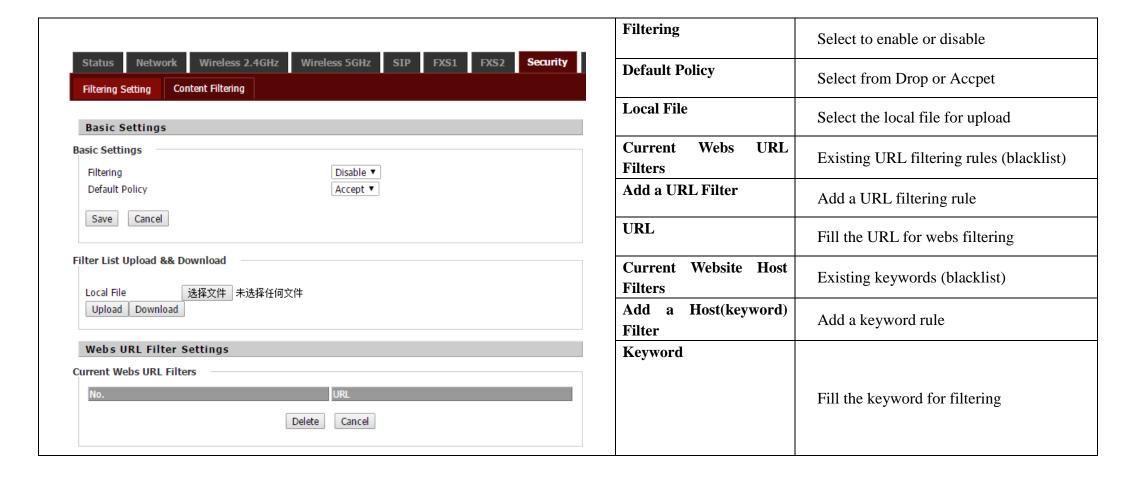
# **5.7 Security**

## **5.7.1 Filtering Setting**





## **5.7.2 Content Filtering**





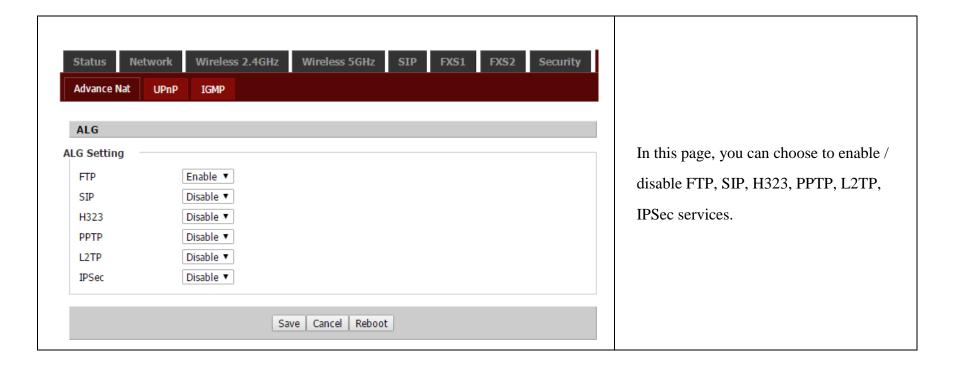
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Add a URL Filter  URL  ( The maximum rule count is 16 )  Add Cancel	
Webs Host Filter Settings	
No. Keyword  Delete Cancel	
add a Host(keyword) Filter	
( The maximum rule count is 16 )  Add Cancel	
Reboot	



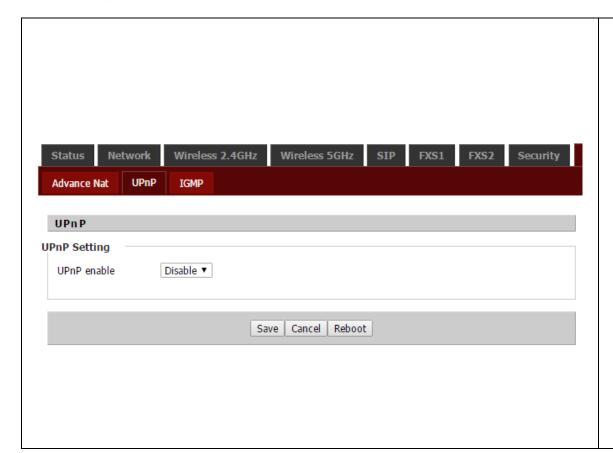
# **5.8 Application**

## **5.8.1 Advance Nat**



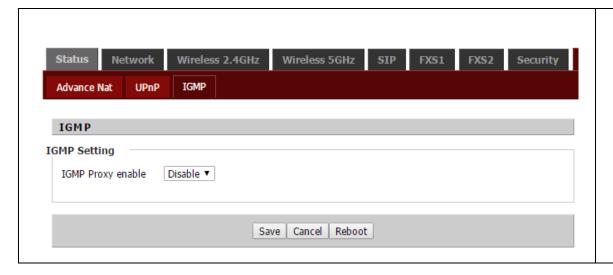


#### 5.8.2 UPnP



UPnP (Universal Plug and Play) supports null-setting for networking, can automatically find a variety of networked devices. When UPnP is enabled, UPnP-enabled devices are allowed to dynamically access the network, obtain IP addresses, and transmit performance information. If you have DHCP and DNS servers on your network, you can automatically obtain DHCP and DNS services. UPnP-enabled devices can be automatically disconnected from the network without affecting the device or other devices on the network.

## 5.8.3 IGMP



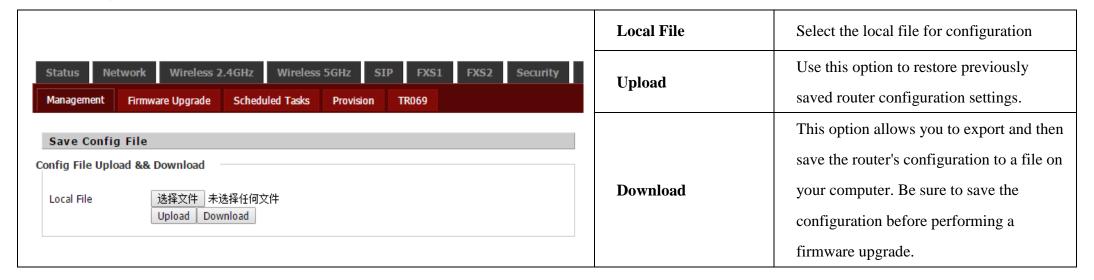
Multicast has the function of sending the same data to multiple devices. An IP host uses the IGMP (Internet Group Management Protocol ) to report multicast group memberships to send data to neighboring routers, and the multicast router uses IGMP to discover which hosts belong to the same multicast group.



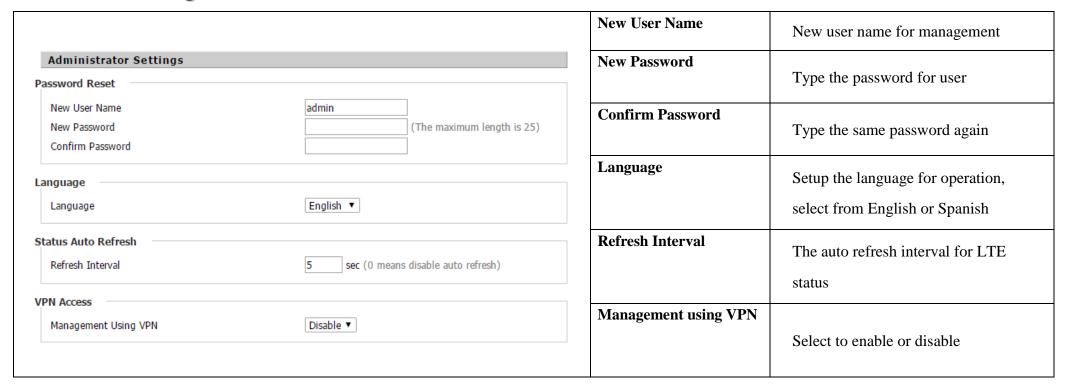
## **5.9 Administration**

## 5.9.1 Management

#### **Save Config File**



#### **Administrator Settings**



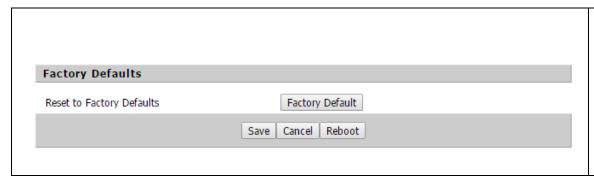
Web Access		Remote Web Login	Allow host remote access from Active
Remote Web Login Local Web Port	Enable ▼ 80		WAN
Web Port	80	Local Web Port	Enter the HTTP port number for
Web Idle Timeout(0 - 60min) Allowed Remote IP(IP1;IP2;)	0.0.0.0		accessing from local side
		Web Port	Enter the HTTP port number for
			accessing from remote side
		Web Idle Timeout(0 -60min)	Timeout for web idle activity
		Allowed Remote	Allow the host with specified IP
		IP(IP1;IP2;)	address to access from webpage.

## **Time/Date Settings**

		NTP Enable	Select this option if you want to
			synchronize the router's clock to a
Time/Date Setting			Network Time Server over the
NTP Settings			Internet.
NTP Enable Option 42	Enable ▼  Disable ▼	Option 42	Obtain NTP Server via DHCP Server
Current Time	2016 - 10 - 10 . 03 : 20 : 15	Current Time	Displays the time currently maintained
Sync with host	Sync with host		by the router.
NTP Settings	(GMT-05:00) Eastern Time ▼	Sync with host	Synchronize with your current host's
Primary NTP Server Secondary NTP Server	0.pool.ntp.org		system time
NTP synchronization(1 - 1440min)	60	NTP Settings	Select your local time zone from pull
			down menu.
		Primary NTP Server	Type the primary Network Time
			Server for synchronization.
		Secondary NTP Server	Type the secondary Network Time
			Server for synchronization.
		NTP synchronization(1 -1440min)	Interval time for NTP synchronization.



#### **Reset to Factory Default**



This option restores all configuration settings back to the settings that were in effect at the time the router was shipped from the factory. Any settings that have not been saved will be lost.

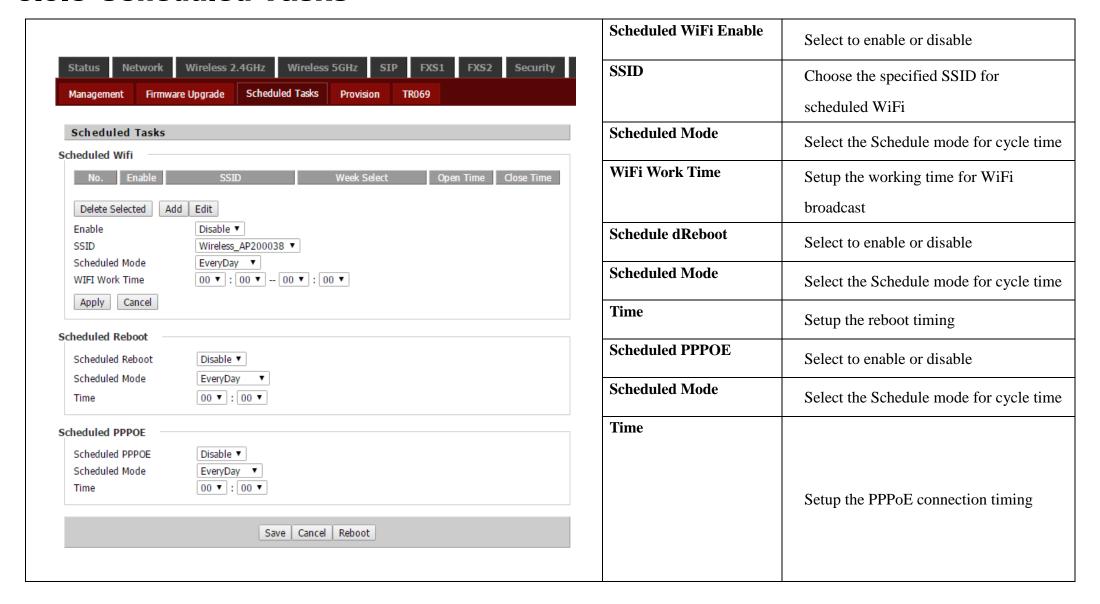
## **5.9.2 Firmware Upgrade**



Once you have a firmware update on your computer, use this option to browse for the file and then upload the information into the router.



### 5.9.3 Scheduled Tasks





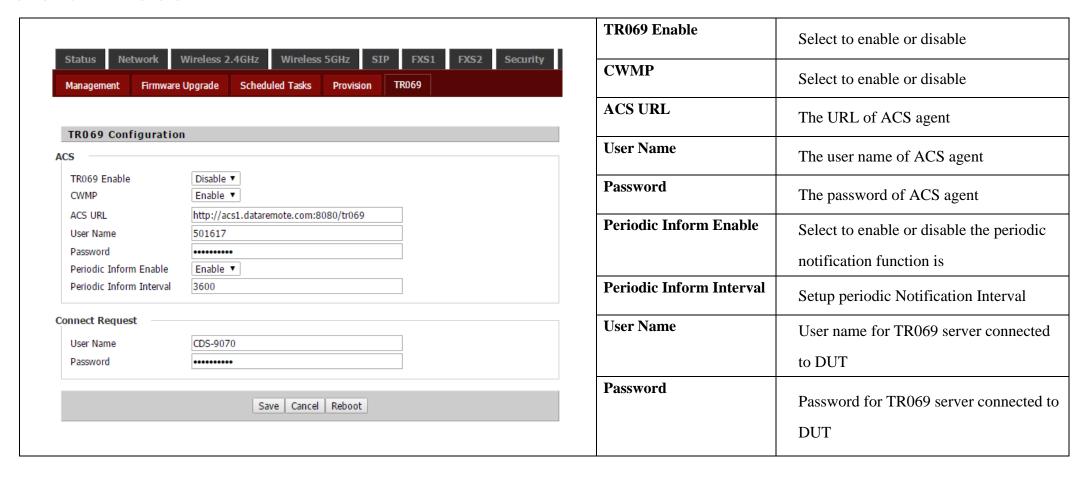
## 5.9.4 Provision

Please refer to the provision user manual to test provision.

		Provision Enable	Select to enable or disable
		Resync On Reset	Enable or disable DIV378 Resync after
			rebooting
		Resync Random	Setup the maximum delay for request
Status Network Wireless 2.4GHz Wi	reless 5GHz SIP FXS1 FXS2 Security	Delay(sec)	synchronization
Management Firmware Upgrade Scheduled T	asks Provision TR069	Resync Periodic(sec)	If the last resynchronization is
Provision			unsuccessful, after the "Rsync Retry
Configuration Profile			Delay Error" time, after "time, the
Provision Enable Resync On Reset	Disable ▼ Enable ▼		device will retry the resynchronization
Resync Random Delay(sec) Resync Periodic(sec)	40 3600	Resync Error Retry Delay(sec)	Set the timed resynchronization
Resync Error Retry Delay(sec) Forced Resync Delay(sec)	3600 14400	Forced Resync	If it is time to re-sync, but the device is
Resync After Upgrade Resync From SIP	Enable ▼ Disable ▼	Delay(sec)	busy, in this case, the device will wait
Option 66	Enable ▼		for some time, the longest is "forced
Option 67 Config File Name	Disable ▼ \$(MA)		resynchronization delay", the default is
User Agent	\(\psi_{\text{track}}\)		14400s, time after the device will be
Profile Rule	http://prv1.dataremote.com:69/config/\$(MA)?mac=\$(MA		forced to re-sync.
Firmware Upgrade		Resync After Upgrade	After the resynchronization, enable or
Upgrade Enable Upgrade Error Retry Delay(sec)	Enable ▼ 3600		disable the firmware update function
Upgrade Rule		Resync From SIP	Select to enable or disable resync from
			SIP
Save	Cancel Reboot	Option 66	Specifies the TFTP (Simple File
		•	
		Option 67	Transfer Protocol) server address
		Option o/	Specifies the startup file name
		Config File Name	Configure the file name

	User Agent	The name of user agent
	Profile Rule	The URL of the configuration file
		Note that the specified file path is
		relative to the root directory of the
		TFTP server
	Upgrade Enable	Select to enable or disable
	Upgrade Error Retry Delay(sec)	Interval time for retry upgrade firmware
	Doing (see)	if error happen
	Upgrade Rule	The path of firmware located

### 5.9.5 TR069

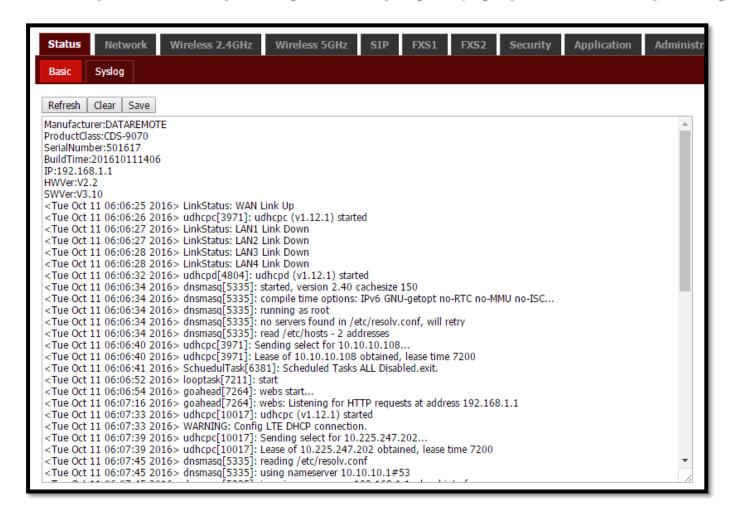


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# 5.10 System Log

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





## **5.10.1 Logout**

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

Firmware Version V3.10 Current Time 2016-10-10 04:36:26 Admin Mode [Logout] [Reboot]

## **5.10.2 Reboot**

Press the Reboot button to reboot CDS-9070.

Firmware Version V3.10
Current Time 2016-10-10 04:36:26
Admin Mode [Logout] [Reboot]



# 6 Trouble shooting of the guide

# **6.1 Setting your PC gets IP automatically**

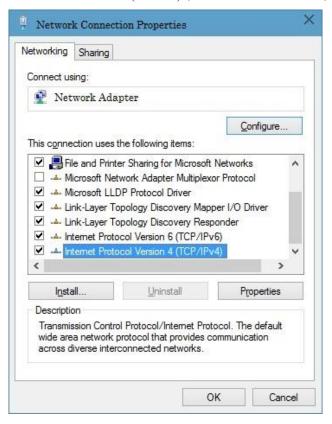
Following are the process of setting your PC gets IP automatically

Step 1.Click the "begin"

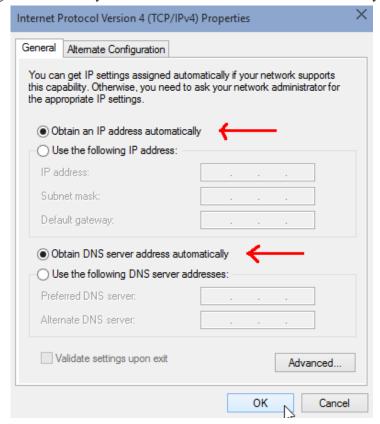
Step 2.Select "control panel", then double click "network connections" in the "control panel"

**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.

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DATAREMOTE

7 Statement

**FCC Interference Statement** 

DataRemote Incorporated. Declares that this device is in compliance with the essential requirements.

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 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, many 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 transmitter must not be co-located or operating in conjunction with any other antenna or

transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

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#### **FCC Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

