

# User Manual

## IP622C/IP622CWP

### V1.0

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# 1 Introduction

## 1.1 Thanks for Purchasing IP622C/IP622CWP

Thank you for purchasing IP622C/IP622CWP. The IP622C/IP622CWP which has 2 lines is a full-featured VoIP (Voice over Internet Protocol) phone that provides voice communication over an IP network.

This phone functions not only much like a traditional phone, allowing to place and receive calls and enjoy other features that traditional phone has, but also it own many data services which you could not expect from traditional telephone.

The IP622C/IP622CWP provides two Ethernet ports for connecting another device to the local area network.

This guide will help you easily use the various features and services available on your phone.

## 1.2 Package Contents

Your package includes the following:

- ◆ One IP622C/IP622CWP IP Phone Unit
- ◆ Handset and handset cord
- ◆ One universal power adapter
- ◆ One Ethernet cable
- ◆ Wall-mounting screw pack

## 2 Installing

### 2.1 Assembling the Phone and Connecting to the Network

- 1) Plug one end of the coiled phone cord into the left side of the phone base.
- 2) Plug the other end of the handset cord into the jack at the bottom of the handset.
- 3) If you are using an external power source, push the power cord into the power supply, and plug the power supply into the phone base unit.

**Note: Use only the power supply that came with the phone.**

- 4) Plug the Ethernet cable into **Internet port** in the rear side of the base station. Plug the other end of the Ethernet cable into your already prepared network connection.

### 2.2 Mounting the Phone to the Wall

- 1) Complete the assembly instructions.
- 2) Attach two appropriate screws to the wall. Leave 1/4 distance from the wall. This allows you to slide the mounting brackets on to the screws.  
Push down slightly to lock the phone in place.

### 2.3 Turning on the Phone

This section assumes that the correct connections have been made.

- 1) Check whether the Internet port is well connected.
- 2) Plug the AC power adapter into the electrical outlet.  
**Note: Use only the adapter that came with the phone.**
- 3) The LCD will firstly display “**Welcome**” and all of the lights on the phone will flash.
- 4) Next, the LCD display “**Initializing Network**”.
- 5) After the sequence, the phone will display date & time, lines status for the phone, and IP622C/IP622CWP is started normally.

**Notice: If the phone does not provide this screen, re-confirm installation and connections. If these are incorrect, try unplugging the phone and plugging it back in again. If you still don't see the display, then contact your Phone Administrator or service provider.**

## 2.4 Connect to the Internet

You can connect the FIP11/FIP11W/FIP11WL to the Internet via wired and via wireless.

### 2.4.1 Via Wired

Step 1. Check FIP11/FIP11W/FIP11WL have powered on correctly.

Step 2. Plug the Ethernet cable into **Internet port** in the rear side of the base station. Plug the other end of the Ethernet cable into your already prepared network connection.

Step 3. After the sequence, the IP Address of Internet port will appear at the bottom of the LCD.

### 2.4.2 Via Wireless (Only for IP622CWP)

You can configuration wireless from LCD menu and from webpage.

**From LCD menu:**

Step 1. Press the  button, and then select **13 Wireless** using the **UP and DOWN button**.

Step 2. Choose **2 Wireless Connection** and you can view the wireless then FIP11/FIP11W/FIP11WL can connect to.

Step 3. Highlight one network using the **UP and DOWN button**, and press the **softkey button under link** to connect.

Note: If the Wi-Fi need authentication, choose the authentication and fill in the password.

Step 4. Press the **softkey button under ok** to confirm connecting.

Step 5. If the AP has connected, the

**From webpage:**

Step 1. Login the web and then open



wireless icon in LCD will display linked.

**Network/Wireless** webpage.





#### Wireless Settings

##### Wireless Settings

Country Region	<input type="text" value="EU(1-13)"/>
Internet Connection Type	<input type="text" value="Automatic Configuration - DHCP"/>
DNS Type	<input type="text" value="Auto"/>
Primary DNS	<input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>
Second DNS	<input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>

#### Wireless Connection

##### Wireless Connection

Connection Status	Disconnected		
SSID	Authentication	Encryption	Status
FLYINGVOICE_IP542N	WPAPSK	AES	
Wireless_AP081658	WPAPSK	AES	
BJ_JRHY	WPA1PSK/WPA2PSK	AES	
t-broadF2F9	WPA1PSK/WPA2PSK	AES	

Step 2. Highlight one Wi-Fi and the example:

words will get larger, following is one

SSID	Authentication	Encryption
anyway	OPEN	NONE
E3CALL_SZ	WPA1PSK/WPA2PSK	TKIP/AES
T	home	TKIP/AES

Connect Refresh

Step 3. Press the **Connect** button to connect to the E3CALL\_SZ.

Step 4. If the Wi-Fi needs authentication, choose the authentication and fill in the password, then choose the **OK** button to connect.

SSID	Authentication	Encryption
anyway	OPEN	NONE
E3CALL_SZ	WPA1PSK/WPA2PSK	TKIP/AES
T	home	TKIP/AES

Authentication: WPAPSK

Encryption:  TKIP  AES

Password:

OK Cancel

Step 5. If the AP has connected, then the connection status will change like the following picture and the wireless icon will display as linked.

**Wireless Connection**

Connection Status: Connected (AP: E3CALL\_SZ[00:21:F2:01:37:31])

# 3 Get Familiar with IP622C/IP622CWP

## 3.1 Front Panel

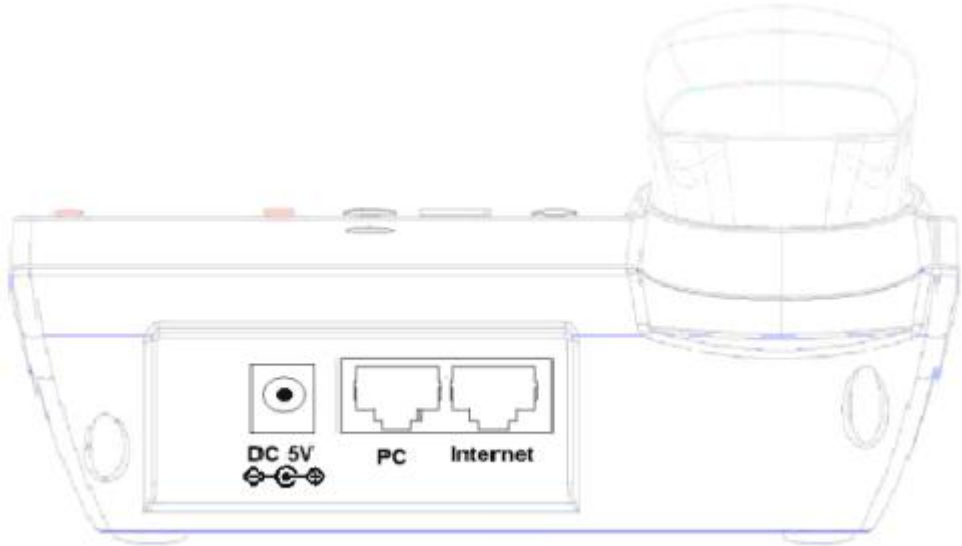
Front Panel		No.	Part Name	Description of function
	1	Handset top cradle	For the placement of handset (Receiver end)	
			Hook switch	For hang-up and hang-off of handset
			Cradle latch	To prevent the handset from dropping when it is wall-mounted.
			Handset bottom cradle	For the placement of handset (Transmitter end)
			Handset cord port	RJ-11 jack on the left side of the IP phone
			Headset wire port	RJ-11 jack on the bottom of the handset
			Headset	To mount mouthpiece and earpiece on the single handle.
		2	LCD screen	The LCD screen is for displaying your settings, such as phone number, line status and so on.
		3	Multi-Functional Key	These keys can be used as speed dial, BLF, shortcut key, pick up and call park.
		4	Line Keys	<b>In standby:</b> These keys are used as line keys; you can press the line button to select the corresponding line, and then user can make call or do other functions. The LEDs under the keys used to display the status of each extension, please refer to <b>3.3 LCD indicator</b>

Picture 1



	<b>5</b>	Soft keys	These keys are used as soft keys. These can be used for item selection or control on the LCD screen. The softkey' function depends on their corresponding content displayed on the LCD at that time.
	<b>6</b>	Menu	Press it to access to menu items: such as phonebook, multi-functional key, and call history and so on.
	<b>7</b>	UP	To scroll up or turn up the volume
	<b>8</b>	DOWN	To scroll down or turn down the volume
	<b>9</b>	Hold	The Hold key is used to hold the current call, press it again to release the hold function.
	<b>10</b>	Redial	The Redial key is used to redial the last dialed number automatically.
	<b>11</b>	Mute/Del	<ul style="list-style-type: none"> <li>✧ During an active call, press it to mute the current call.</li> <li>✧ When input text, press it to delete a digit or number.</li> </ul>
	<b>12</b>	Headset	Press it to use headset.
	<b>13</b>	Handsfree	Press it to use Handsfree
	<b>14</b>	MSG	✧ The LED is to indicate call and voicemail status. Please refer to <b>3.3 LCD indicator</b>
	<b>15</b>	Numeric Keypad	Enters numeric digits for initiating a call or for entering configuration information.

## 3.2 Rear Panel

Rear Panel	Part Name	Description of function
	Headset	Headset console, connect to headset(This is on the right side of the phone.)
	DC 5V	Power port
	PC	Connects to a PC.
	Internet	Connects to the Ethernet switch, router or Internet.



## 3.3 LEDs Indicator

### IP622C LED

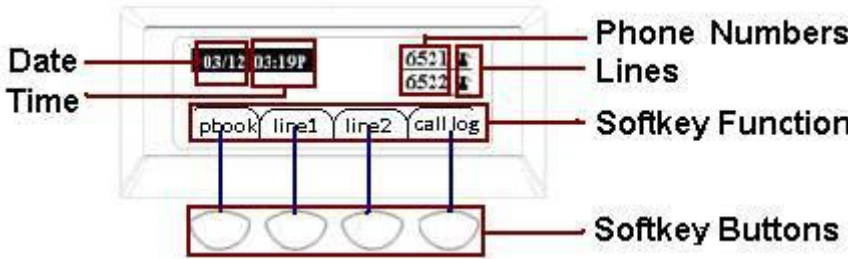


LED	Color	Status	Description
MSG	○	OFF	Power off or Phone is standby
	●	Red	In use
	●	Blink Red	Have a new call or Voice MSG or is updating

### IP622CWP LED

LED	Color	Status	Description
MSG	○	OFF	Power off or Phone is standby
	●	Red	In use
	●	Blink Red	Have a new call or Voice MSG or is updating
VoIP Lines 1/2	○	OFF	Line Disable
	●	Blink(Red)	Unregister

		Green	Register
		RED	In use

### 3.4 Get Familiar with LCD

LCD	Name	Description of function
 <p>The diagram shows an LCD screen with the following elements: <ul style="list-style-type: none"> <li><b>Date:</b> 03/12</li> <li><b>Time:</b> 03:19P</li> <li><b>Phone Numbers:</b> 6521 and 6522, each with a status icon.</li> <li><b>Softkey Functions:</b> pbook, line1, line2, call_log.</li> <li><b>Softkey Buttons:</b> Four physical buttons below the screen, connected to the softkey functions by blue lines.</li> </ul> </p>	<b>Date</b>	To display the current date. Date format is mm/dd
	<b>Time</b>	To display the current time. Time format is mm:ss (A or P)
	<b>Phone Numbers</b>	To display the phone number of lines.
	<b>Lines</b>	To display the status of lines. The icon  means unregistered. The icon  mean registered.
	<b>Softkey Function</b>	To display the current softkey function.
	<b>Softkey Buttons</b>	You can use the softkey button to highlight the item displayed on the LCD screen and then configuration. One button directs to one softkey function, the blue line in the left picture displays the corresponding relationship.

# 4 Menu

User can use **MENU**, **soft key** and **MUTE/DEL** button to browse, modify and configure the phonebook, multi-functional keys, network, accounts, factory default and so on.

## 4.1 Items

The table below lists Menu items which IP622C/IP622CWP included:

Main menu (LCD display)	Menu Items (LCD display)	Submenu Items (LCD display)	Explanation
1Phonebook	1.1NewEntry		User can view, add, edit, and delete phonebook by using the four softkey. User can also make call, and send text message directly using the four softkey. The Max records are 500.
2 Multi-Functional Key(need password)	2.1Exp Key 1		To configure the function of multi-functional keys.
	2.2Exp Key 2		
	2.3Exp Key 3		
	2.4Exp Key 4		
	2.5Exp Key 5		
	2.6Exp Key 6		
	2.7Exp Key 7		
	2.8Exp Key 8		
	2.9Exp Key 9		
	2.10Exp Key 10		
3Call History	3.1RedialList		To list the latest 60 records of called call, answered call and missed calls.
	3.2Answered Calls		
	3.3Missed Calls		
4Text Message	4.1SEND		User can send message according to prompt.
	4.2RecivedBox		To list the latest 100 records of received message and sent message.
	4.3SendBox		
5BlackList	5.1NewEntry		To configure the blacklist, max record is 100.
6Preferences	6.1Language		To select the language on phone's LCD.
	6.2Call Waiting		To enable or disable call waiting.
	6.3Auto Answer		To enable or disable auto answer.
	6.4Preferred Audio Device		To select the preferred audio device.
7Ring Tone	7.1Bell Type1		Choose the ring tone from Bell Type1- Bell Type10.

	7.2Bell Type2		
	7.3Bell Type3		
	7.4Bell Type4		
	7.5Bell Type5		
	7.6Bell Type6		
	7.7Bell Type7		
	7.8Bell Type8		
	7.9Bell Type9		
	7.1Bell Type10		
8Volume Setting			Press up or down key to turn up or turn down volume.
9Accounts (need password)	9.1Line 1	9.1.1Line Enable	To enable/disable line1.
		9.1.2Password	To set password of line1.
		9.1.3Account	To set account of line1.
		9.1.4Display Name	To set display name of line1.
		9.1.5Phone Number	To set the phone number of line1.
		9.1.6SIP Proxy Server	To set the SIP server IP address of line 1.
		9.1.7SIP Proxy Port	To set the SIP server port of line1.
		9.1.8Outbound Server	To set the outbound proxy IP address or domain name of line1.
		9.1.9Outbound Server Port	To set the outbound proxy port of line1.
		9.1.10Backup Outbound Server	To set the backup outbound proxy IP address or domain name of line 1.
		9.1.11Backup Outbound Port	To set the backup outbound proxy port of line1.
		9.2Line 2	Same to 9.1
10Call Forward	10.1CFWD All		To set the destination phone number of CFWD AllNumber
	10.2CFWD When Busy		To set the destination phone number of CFWD Busy Number
	10.3CFWD When No Answer		To set the destination phone number of CFWD No AnsNumber
11Time/Date	11.1Time(H:m:s)		
	11.2Date(m/d/y)		
12Voice Mail (Need password)	12.1Line 1	12.1.1MWI Enable	To enable or disable voice mail of line1
		12.1.2Voice Mail Number	To set the voice mail number of line1.
		12.2Line 2	Same to 12.1
13Network	13.1WAN Connection Type		To view the current Internet port's connection type, or to change the Internet port connection type from Static, DHCP and PPPoE.
	13.2CurrentIP		To view the current Internet port IP address, or to change the Internet port IP address.
	13.3CurrentNetmask		To view the Current Netmask, or to change the Current Netmask.
	13.4CurrentGateway		To view the Current Gateway, or to change the Current Gateway.
	13.5Primary DNS		To view the primary DNS, or to change the primary DNS.

	13.6Secondary DNS		To view the secondary DNS, or to change the secondary DNS.
	13.7Enable WAN Login		To enable or disable user login webpage from Internet port.
	13.8Web Port		To view the Web Port, or to change the Web Port.
	13.9SIP QoS		To view the SIP QoS, or to change the SIP QoS.
	13.1RTP QoS		To view the RTP QoS, or to change the RTP QoS.
	13.11Data QoS		To view the Data QoS, or to change the Data QoS.
	13.12VLAN Tag		To enable or disable VLAN Tag
	13.13VLANID		To view the VLANID, or to change the VLANID.
	13.14802.1p Priority		To view the802.1p Priority, or to change the802.1p Priority.
14Product Info	14.1Product Name		To view the current information of Product Name, Software Version, Hardware Version, MAC Address and serial number.
	14.2Software Version		
	14.3Hardware Version		
	14.4MAC Address		
	14.5Serial Number		
15Status	15.1Intenet Port Status		To view the current information about the status of Internet port, VPN and registration.
	15.2VPN Status		
	15.3Registration Status		
16Reboot			To reboot IP622C/IP622CWP.
17Factory Default			To set IP622C/IP622CWP factory default.(Need password)
18Set Password			To reset password. The password of LCD is same as the one of Webpage. Default is admin.
19LCD Contrast			To view and change the contrast of LCD.
20Login/Logout			Press it to logout LCD. Press <b>20Login/Logout</b> to erase memory, and then user should input password when user access to <b>9Accounts</b> again.

## 4.2 How to configuration from Menu

- 1) When the phone is on-hook, press the **MENU** button to enter Main menu.
- 2) Use the **Numeric Keypad** to input the digit or character
- 3) Press the **abc softkey button** to change the input method between digit, capital letter and small letter.
- 4) Use the **up** and **down button** to scroll up and scroll down. Configuration the item or sub-item according to the prompt.
- 5) Press the **ok softkey button** to confirm.
- 6) Press the **save softkey button** to save changes.
- 7) Press **MUTE/DEL** button or **delChr softkey button** to delete one digit or a character.

- 8) Press the **cancel softkey button** to cancel changes and back to the up level.
- 9) The password which need when access to Accounts item is the same as the one of admin mode when login Web, default is admin.

# 5 Using Basic Phone Function

## 5.1 Using the Handset/ Speakerphone/ Headset

### 5.1.1 Using the Handset

To place and answer calls using the handset, simply lift the handset.

### 5.1.2 Using the Speakerphone

To place and answer calls using the speaker, press the **speaker** button. The green light behind the button will illuminate.

### 5.1.3 Using the Headset

To place and answer calls using the speaker, press the **headset** button. The green light behind the button will illuminate.

## 5.2 Making Telephone Call

### 5.2.1 Place a Call

You can place a call by:

Step 1. Lifting the handset and dialing phone number, followed by the # or wait 5 seconds, IP622C/IP622CWP will dial out the phone number.

Step 2. Connect the headset, press the headset button and dial phone number, followed by the # or wait 5 seconds, IP622C/IP622CWP will dial out the phone number.

Step 3. Press the speaker button and dial phone number, followed by the # or wait 5 seconds, IP622C/IP622CWP will dial out the phone number.

### 5.2.2 Using Redial Button

To redial the last number called:

Lift the handset or press speakerphone or press headset, and then press the **redial** button; the number will be automatically dialed.



### 5.2.3 Dialing from Phonebook

#### Adding a phonebook

Below are the steps to add a phonebook in menu, User can also add phonebooks from your PC using IP622C/IP622CWP Web Interface.

Step 1. Press **MENU** button access to the menu items, and use the softkey button to choose **1.Phonebook**

Step 2. Add one phonebook according to the prompt, press the **abc softkey button** to change the input method between digit, capital letter and small letter.

#### Using phonebook:

Press **MENU** button to access to the menu items, and use the softkey button to choose **1.Phonebook**, and then highlight the phonebook you want to call, press the **dial softkey button** to make call immediately.

### 5.2.4 Dialing from Call History

Press **MENU** button access to the menu items, and use the **up** and **down button** to choose **3.CallHistory**, and then highlight the phone number you want to call, press the **dial softkey button** to dial immediately.

### 5.2.5 Using Speed Dial

#### Add a speed dial:

Below are the steps to add a speed dial from menu, User can also set speed dial from your PC using IP622C/IP622CWP Web Interface.

Step 1. Press **MENU** button access to the menu items, and use the **up** and **down button** to choose **2. Multi-Function Key**

Step 2. Configuration one **Multi-Function Key** to speed dial according to the prompt.

#### Making speed dial:

Press the Multi-Function Key corresponding to speed dial to make call immediately.

## 5.2.6 Using Dial Plan

### Adding one dial plan:

Step 1. Open **Phone/Dial Plan** webpage

Step 2. Add one dial plan, user can refer to 7.7.3 Dial Plan

### Using dial plan to make call:

Dial the phone number according to one dial plan.

## 5.2.7 Using Hot Line

Add the hot line from **SIP Account/Line1/2** webpage, **Supplementary Service Subscription** column, below is one example:

Step 1. Open **SIP Account/Account1/2** webpage, **Supplementary Service Subscription** column

Step 2. Fill in the hot line number, user can also add the delayed time.

Example 1: Hot Line  set the hot line number is 511.

Example 2: Hot Line  set the hot line number is 511 and delayed time is 4 seconds.

## 5.2.8 Answering a Telephone Call

When a call is incoming, the associated MSG button will flash and the phone will ring.

### You can receive the call by:

Step 1. Pressing the corresponding line button or

Step 2. Pressing the speakerphone, or

Step 3. Lifting the handset, or

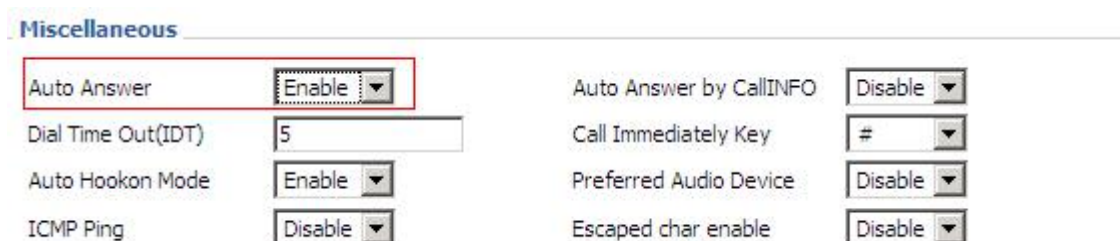
Step 4. Using the headset, or

Step 5. Auto-answer: if auto-answer is enabled, IP622C/IP622CWP will answer the phone automatically when there is a call incoming

**Enable auto-answer:** press **MENU** button to access to the menu items, then use the **up** and **down button** to choose **6Reference**, set auto-answer

enable according to the prompt.

**Notice:** user can also enable auto-answer in **Phone/Preference** webpage, **miscellaneous** column.



Miscellaneous

Auto Answer	Enable	Auto Answer by CallINFO	Disable
Dial Time Out(IDT)	5	Call Immediately Key	#
Auto Hookon Mode	Enable	Preferred Audio Device	Disable
ICMP Ping	Disable	Escaped char enable	Disable

## 5.3 Adjusting Call Volume

**From menu:**

Step 1.Press **Menu** button, and then choose **volume**.

Step 2.Press **up** and **down button** to turn up or turn down volume.

**Using multi-function key:**

Step 1.Choose two multi-function key (assuming the two multi-function keys are Exp Key 1 and Exp Key 2), and configure as following:



Current Key Board Basic Board

Key	Type	Mode	Line	Phone Number	Pickup Code
Exp Key 1	Shortcut Key	Volume+			
Exp Key 2	Shortcut Key	Volume-			

Step 2.Press **Save Settings** to save changes and user can see the corresponding LED is solid green.

Step 3.Press the **Exp Key1** button to turn up volume, press the **Exp Key 2** button to turn down volume.

## 5.4 Black List

If user added a black list, IP622C/IP622CWP will forbid the phone number incoming.

**Adding a black list:**

There are two ways to add black list, one is from menu, and the other is from your PC to use IP622C/IP622CWP's webpage.

**From menu:**

Step 1.Press **Menu** button, and then choose **5black list**.

Step 2.Choose **NewEntry**, and then add one black list according to the prompt.

**From Webpage:**

Step 1.Login the web, open **Phone/Phonebook** webpage, **Black List** column.

Step 2.Refer to the **7.6.4.1 Black List** to add blacklist.

## 5.5 Muting a Call

During an active call, pressing the **MUTE/DEL** button to mute the handset, headset or speakerphone.

This function prevents the person on the active call from hearing what you or someone else in the room is saying; the light behind the button will illuminate on (green).

To cancel the Mute function, please press the **MUTE/DEL** button again and the light behind the button will illuminate off.

## 5.6 Placing a Call on Hold

**When IP622C/IP622CWP is during one active call:**

Step 1.Pressing the **hold** button to put the active call on hold, then you will hear a dial tone, the remote party will hear the hold music

Step 2.User can input the phone number to make call

Step 3.Pressing the **hold** button again to release the previously Hold state and resume the bi-directional media.

## 5.7 Three Way Conference Calls

Step 1.To initiate a conference call, press the **HOLD** button during an active call and the first call is placed on hold, and you will hear a dial tone.

Step 2.Dial the second person's telephone number.

Step 3. After the second person answers the call, press **conf softkey button** to start the conference call; all three parties will be participating in a conference call.

Note: If you hang up firstly, the other two parties will be disconnected; if one party hangs up firstly, you can go on talking with the other party.

## 5.8 Attended Transfer

You call the person to whom you are transferring the call and speak to them before transferring the call:

Step 1. To initiate a transfer; press the **HOLD** button during an active call. This places the first call on hold and you will hear a dial tone.

Step 2. Dial the second person's telephone number.

Step 3. When the second person answers, you can have a private conversation with the second person without the first person hearing it.

Step 4. To connect the call to the second person, press the **xfer softkey button** to complete the transfer. You will be disconnected from the call.

Step 5. If you hang up during the call with the second person before pressing **xfer softkey button**, the transfer is not completed; this only ends the call with the second person, and you can press the **HOLD** button to continue the first call.

## 5.9 Unattended Transfer

You can transfer an active call to a third party without announcement.

Step 1. To initiate an unattended (blind) transfer; press the **xfer softkey button** during an active call. The first call is placed on hold and you will hear a dial tone.

Step 2. Now dial the second person's telephone number with immediately ending char "#", IP622C/IP622CWP will transfer phone automatically and you will be disconnected from the call.

## 5.10 Forwarding Calls

You can forward all calls, forward calls when the phone is busy or forward calls when there is no answer.

Below are the steps to configure call forward from menu. You can also set call forwarding options from your PC using the IP Phone Web Interface.

### **From menu:**

Step 1. Press the **MENU** button.

Step 2. Select **10Call Forward** and choose one type of call forwarding.

- CFWD All—Forwards all calls to a single number immediately when there is an incoming call.
- CFWD When Busy—Forwards all calls to another number when the phone is busy.
- CFWD When No Answer—Forwards calls to another number if there's no answer at your phone.

Step 3. Enable the CFWD and fill in the call forwarding number.

Step 4. Press the **save softkey button** to save changes.

## **5.11 Call Waiting**

Before using call waiting, you should enable it firstly, and default is enabling.

### **During an active call:**

Step 1. If call waiting is enabled, call waiting alerts you with ringing if there is another call is incoming, and the associate MSG LED will change to red blinking, press the line key of the second call to answer the second call with the first call holding, pressing the line button of the first call to back to the first call with the second call holding.

Step 2. If the call waiting is off, new calls would be rejecting and the new caller will hear busy tone when you are on another call.

### **Enable Call Waiting:**

You can turn call waiting on or off from menu in **Menu/6References** item.

And user can also enable call waiting by using your PC to open **SIP Account/Line 1/2** webpage, **Supplementary Service Subscription** column.

## **5.12 Ending a Call**

To end a handset call, hang up the handset.

To end a speakerphone call, press the speaker button.

To end a headset call, press the headset button.

## 5.13 Viewing and Returning Missed Calls

The LCD screen on your IP phone will notify you like the following picture if a call came in that was unanswered.



### To return a missed call:

- If the LCD screen shows a missed call:

Step 1. Press the **softkey button under miss** to view the call.

Step 2. Press the **softkey button under dial** to return the missed call.

- If the LCD screen does not show a missed call, you can return a call from the Missed Call list:

Step 1. Press the **Menu** button.

Step 2. Then select **3Call History**.

Step 3. Then select **Missed Calls**.

Step 4. Choose the call you want to return and press Dial.

### To view a list of all missed calls:

- If the LCD screen shows a missed call, press the **softkey button under miss** to view a list of missed calls.

- If the LCD screen does not show a missed call:

Step 1. Press the **Menu** button.

Step 2. Then select **3Call History**.

Step 3. Then select **Missed Calls**.

## 5.14 Text Message

### 5.14.1 Sending Message

Step 1. Press **Menu** button, and then choose **4 Text Message** by using the **up button** or the **down button**.

Step 2. Press the **select softkey button** to enter to **1 SEND** item.

Step 3. Press the **select softkey button** to edit message.

**Note:** When inputting text, use the **abc softkey button** to change the input method among numbers, capital and lowercase English letters, **abc** stands lower case, **ABC** stands capital letter, and **123** stands digit\*

Step 4. Press the **ok softkey button** to input **receivers' phone number**.

**Notice:** IP622C/IP622CWP support group mails, user can send one message to 10 friends or family one a time;

Press the **ok softkey button** to access to configuration the next receiver's phone number;

You can select one number in phonebook by pressing the **pbook softkey button**.

If user has configuration the phone numbers which you want to send, press the **ok softkey button** twice to access to the next item (**Sender number**).

Step 5. Set Sender phone number, default is line1's phone number.

Step 6. Press the **select softkey button** to start sending message.

### 5.14.2 Reading Message

Step 1. Press **Menu** button, and then choose **4 Text Message** by using the **up button** or the **down button**.

Step 2. Press the **select softkey button** to enter to **2 Recived Box** item or **Send Box** item.

**Notice:** In Received Box are messages have received from others including new messages and old messages. The ones in Sent Box are messages have sent out.



Step 3. Press the **select softkey button** to access to the next item. Choose the message you want to read by using the **up** button or the **down** button.

# 6 Using Advanced Phone Functions

## 6.1 Speed Dial

### Creating Speed Dial:

Following are the steps to creating speed dials in webpage; you can also creating it from LCD Menu.

Step 1. Access to web, and then open **Phone/Multi-Functional Key** webpage

Step 2. Then configures one Exp key to speed dial, and then choose the line and fill in the phone number. The following picture is a setting example:

Key	Type	Mode	Line	Expansion	Pickup Code
Exp Key 1	Speed Dial		Auto	111	
Exp Key 2	Speed Dial		Line 2	112	

Step 3. Press **Save** button to save changes and then press **Reboot** button to make changes effective.

### Using Speed Dials:

Step 1. Press the configured Exp Key 1 to call 111 or press Exp Key 2 to call 112 immediately.

## 6.2 MSG

Voice Mail service must be available on your network to use this feature.

### 6.2.1 Enable and configuration MSG

There are two ways to enable MSG, one is from menu, and the other is from your PC to use IP622C/IP622CWP's webpage.

#### From Menu:

Step 1. Press **Menu** button to enter menu items and then choose **12Voice Mail**

Step 2. Highlight the line you want to configure, and then select it

Step 3. And then use the **softkey buttons** to configure it according to the prompt (Enable MWI and enter the voice mail number)

Step 4. Press the **save softkey button** to save the changes

### From Webpage:

Step 1. Login Web, open **SIP Account Line 1/2 webpage**, go to **Supplementary Service Subscription** column.

Step 2. Enable **MWI Enable** and fill in the **Voice Mailbox Numbers** (get the number from your phone administrator), below is a settings example based on Asterisk.



The screenshot shows a web interface titled "Supplementary Service Subscription". Under the heading "Supplementary Services", there are four settings:

Call Waiting	Enable	Hot Line	
MWI Enable	Enable	Voice Mailbox Numbers	*97

Step 3. Press  button to save changes, then the notice **Please REBOOT to make the changes effective!** will appear, press  button to make changes effective.

## 6.2.2 Using MSG

To access your voice mail box, press the **Voice Mailbox Numbers dial**.

Then user can listen to the new voice mail or old voice mail or reply voice mail according to the voice prompt.

## 6.3 Changing the LCD Screen Contrast

Step 1. Press the **Menu** button, scroll to **19LCD Contrast**, and press the **Select softkey button** to access.

Step 2. Use the **up** and **down buttons** to adjust the screen contrast. Press the **Up** button to increase the contrast. Press the **Down** button to decrease the contrast.

Step 3. Press the **save softkey button** to save.

## 6.4 Changing Your Ring Tone

To change a ring tone:

Step 1.Press the **Menu** button.

Step 2.Select 7 **Ring Tone**.

Step 3.Use the **up** and **down buttons** to highlight the ring tone. Press the **select softkey button** to choose the highlighted ring tone.

## 6.5 Setting Your Phone's Date and Time

The date and time for your phone normally come from the phone server. However, if you need to change some date and time parameters, you can follow these steps:

Step 1.Press the **Menu** button, select **11Time/Date**.

Step 2.Choose **date** to adjust date; enter the date in the following format: **mm/dd/yy**.

Step 3.Choose **time** to adjust time; enter the time in the following format: **hh/mm/ss**.

Step 4.Press the **ok softkey button** to save the changes.

## 6.6 Rebooting Your Phone

This setting is to configure and troubleshoot the network. You should not change these settings unless directed to by your Administrator as this can negatively affect your phone's function.

### To reboot your phone:

Step 1.Press the **Menu** button.

Step 2.Scroll to **16Reboot**; press the **select softkey button** to access to reboot item.

Step 3.Then a notice "**Confirm System Reboot**" will appear, press the **ok softkey button** to confirm rebooting.

## 6.7 Factory default

There are three ways to make factory default: in menu and using web GUI. You should not change these settings unless directed to by your Administrator as this can negatively affect your phone's function.

### In menu:

Press **Menu** button and choose **17 Factory Reset**, user is required to input the password, then a notice will appear, press the **ok softkey button** to continue.

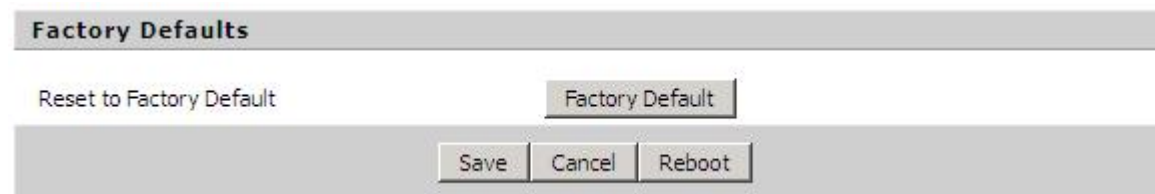
### **In menu:**

Press **#\*06#** on the phone and select **4 Factory Reset**, then there is a notice inform you to confirm the performance, enter **yes(937)**, then phone will be factory default.

### **Using Website:**

Step 1. Access to website, open **Administration/Management** webpage;

Step 2. Press the **factory default** button at the bottom of the webpage;



Step 3. Waiting about 5 seconds, the red notice **Please REBOOT to make the changes effective!** will appear, and then press **Reboot** button to reboot IP622C/IP622CWP.

**Notice:** If you choose factory default, you will return the phone to the original factory settings and will erase all current settings, including the directory and call logs.

# 7 CONFIGURATION

## 7.1 Web-based Configuration

This section will show you how to configure your IP622C/IP622CWP using the web-based configuration interface. The default network settings are the following:

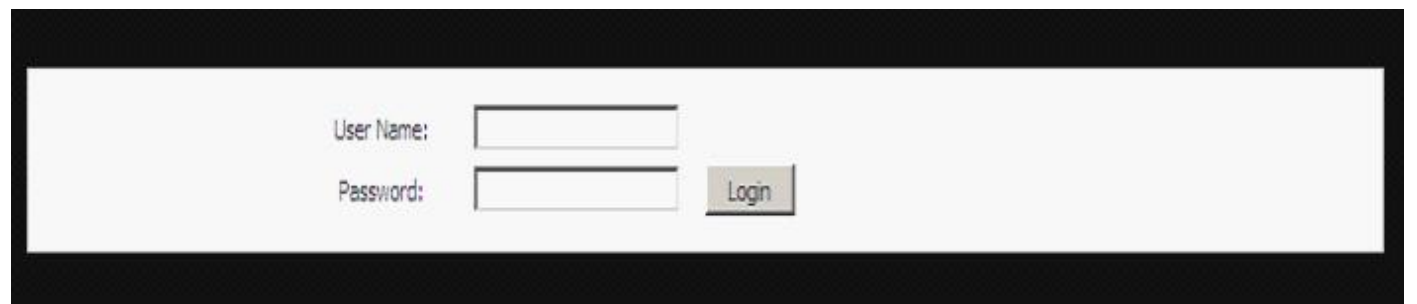
Default Internet Connection Type: **DHCP**

Default PC Port Connection Type: **Bridge**

Default user name and password of admin mode  
**admin, admin**

Default user name and password of user mode:  
**user,user**

Web Idle Timeout: **5 min**



The image shows a screenshot of a web-based configuration interface. It features a login form with two input fields: "User Name:" and "Password:". To the right of the "Password:" field is a "Login" button. The entire form is enclosed in a light gray box with a black border.

## 7.2 Login

To access the phone through a web browser

Step 1. Setup IP622C/IP622CWP correctly

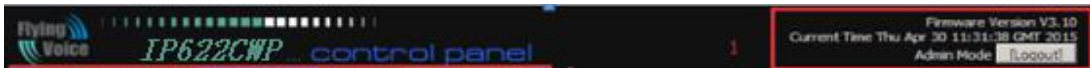
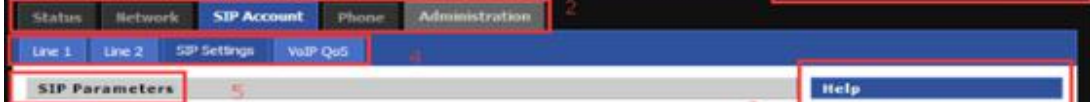



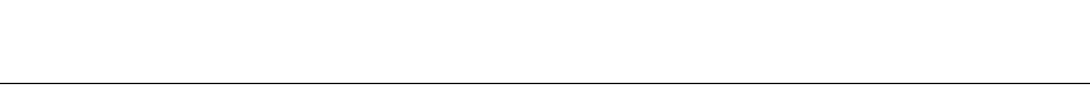
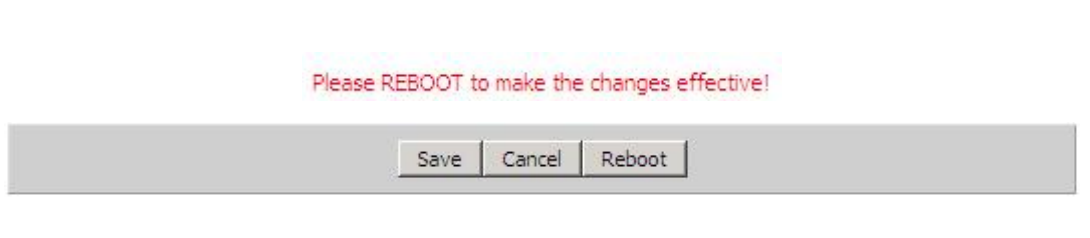
Step 2. You can press menu key -->15 status->Internet Port Status-->IP Address on the LCD screen.

Step 3. Enter “**http://Internet IP Address**” in the address field of the browser.

Step 4. Type “**admin**” or “**user**” for the User Name, and input the password click on the **Login** button to access the configuration page.

There are two levels of web configuration: one “user” ID level that can view just some portion in the web, and the other “admin” ID level that can view and configure all settings in the web-based configuration interface.

## 7.3 Webpage

	No.	Name	Description
	1	main information	Display the firmware version, DSP version, Current Time, and administration mode. Press <b>Logout</b> button to logout.
	2	navigation bar	Click navigation bar, many sub-navigation bar will appear in the place 4.
	3	Help	Display the main information for configuration; user can get help from it directly.
	4	sub-navigation bar	Click sub-navigation bar to enter to configuration webpage
	5	configuration title	The configuration title
	6	configuration bars	The configuration bars
		Save	<ul style="list-style-type: none"> <li>◆ Every time making some changes, user should press the button to confirm and save the changes.</li> <li>◆ After pressing the button, the red <b>Please REBOOT to make the changes effective!</b> will appear to notice user to reboot.</li> </ul>

	<input type="button" value="Cancel"/>	To cancel the changes.
	<input type="button" value="Reboot"/>	Press it to reboot IP622C/IP622CWP



## 7.4 Status

### 7.4.1 Basic

This webpage displays the basic status of your IP622C/IP622CWP, including the information about product information, SIP account status, network status, VPN status, PC port status and system status.

Click **Refresh** button to refresh the status.

The screenshot shows the 'Status' page of the IP622CWP control panel. The page is titled 'IP622CWP control panel' and includes a navigation menu with tabs for 'Status', 'Network', 'SIP Account', 'Phone', and 'Administration'. The 'Status' tab is active, and the 'Basic' sub-tab is selected. The page displays several sections of information:

- Product Information:** A table listing product details such as Product Name (IP622CWP), Internet(WAN) MAC Address (00:21:F2:08:9C:59), PC(LAN) MAC Address (00:21:F2:08:9C:58), Hardware Version (V1.2), Loader Version (V2.57), Firmware Version (V3.10(201504230018)), and Serial Number (FLY4814C000298).
- Line Status:** A table showing the registration state of each line: Line 1 Status is 'Registered 621' and Line 2 Status is 'Disable'.
- Network Status:** A table showing network configuration: Connection Type (DHCP), IP Address (192.168.10.117), Subnet Mask (255.255.255.0), Default Gateway (192.168.10.1), Primary DNS (192.168.10.1), Secondary DNS, WAN Port Status (10Mbps Half), and WIFI Port Status (Connected (AP: FLYINGVOICE\_IP542N)).
- VPN Status:** A table showing VPN configuration: VPN Type (Disable), Initial Service IP, and Virtual IP Address.
- PC Port Status:** A table showing PC port configuration: IP Address (192.168.2.1).

On the right side of the page, there is a 'Help' section with a 'Product Information:' link and a 'System Status:' link. The 'System Status:' link is highlighted, indicating it is the current view. The 'System Status:' section shows the current time (2015-05-13 10:35:29) and the running time of the product.

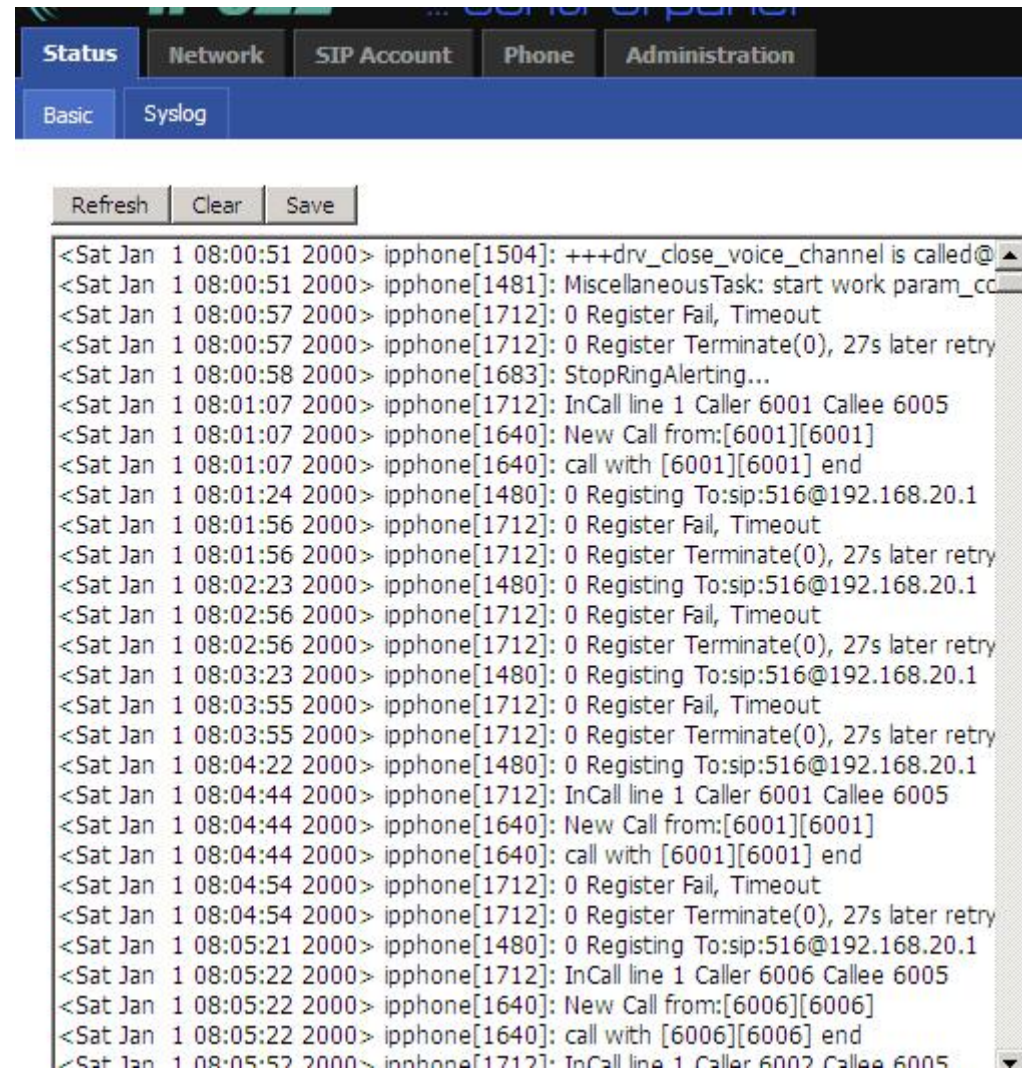
## 7.4.2 Syslog

This page displays the log of system.

User can press **Clear** button to clear all information.

Click **Refresh** button to refresh syslog.

Click **Save** to save the system log to your local PC.



Refresh Clear Save

```
<Sat Jan 1 08:00:51 2000> ipphone[1504]: +++drv_close_voice_channel is called@
<Sat Jan 1 08:00:51 2000> ipphone[1481]: MiscellaneousTask: start work param_cc
<Sat Jan 1 08:00:57 2000> ipphone[1712]: 0 Register Fail, Timeout
<Sat Jan 1 08:00:57 2000> ipphone[1712]: 0 Register Terminate(0), 27s later retry
<Sat Jan 1 08:00:58 2000> ipphone[1683]: StopRingAlerting...
<Sat Jan 1 08:01:07 2000> ipphone[1712]: InCall line 1 Caller 6001 Callee 6005
<Sat Jan 1 08:01:07 2000> ipphone[1640]: New Call from:[6001][6001]
<Sat Jan 1 08:01:07 2000> ipphone[1640]: call with [6001][6001] end
<Sat Jan 1 08:01:24 2000> ipphone[1480]: 0 Registering To:sip:516@192.168.20.1
<Sat Jan 1 08:01:56 2000> ipphone[1712]: 0 Register Fail, Timeout
<Sat Jan 1 08:01:56 2000> ipphone[1712]: 0 Register Terminate(0), 27s later retry
<Sat Jan 1 08:02:23 2000> ipphone[1480]: 0 Registering To:sip:516@192.168.20.1
<Sat Jan 1 08:02:56 2000> ipphone[1712]: 0 Register Fail, Timeout
<Sat Jan 1 08:02:56 2000> ipphone[1712]: 0 Register Terminate(0), 27s later retry
<Sat Jan 1 08:03:23 2000> ipphone[1480]: 0 Registering To:sip:516@192.168.20.1
<Sat Jan 1 08:03:55 2000> ipphone[1712]: 0 Register Fail, Timeout
<Sat Jan 1 08:03:55 2000> ipphone[1712]: 0 Register Terminate(0), 27s later retry
<Sat Jan 1 08:04:22 2000> ipphone[1480]: 0 Registering To:sip:516@192.168.20.1
<Sat Jan 1 08:04:44 2000> ipphone[1712]: InCall line 1 Caller 6001 Callee 6005
<Sat Jan 1 08:04:44 2000> ipphone[1640]: New Call from:[6001][6001]
<Sat Jan 1 08:04:44 2000> ipphone[1640]: call with [6001][6001] end
<Sat Jan 1 08:04:54 2000> ipphone[1712]: 0 Register Fail, Timeout
<Sat Jan 1 08:04:54 2000> ipphone[1712]: 0 Register Terminate(0), 27s later retry
<Sat Jan 1 08:05:21 2000> ipphone[1480]: 0 Registering To:sip:516@192.168.20.1
<Sat Jan 1 08:05:22 2000> ipphone[1712]: InCall line 1 Caller 6006 Callee 6005
<Sat Jan 1 08:05:22 2000> ipphone[1640]: New Call from:[6006][6006]
<Sat Jan 1 08:05:22 2000> ipphone[1640]: call with [6006][6006] end
<Sat Jan 1 08:05:52 2000> ipphone[1712]: InCall line 1 Caller 6002 Callee 6005
```

## 7.5 SIP Account



### 7.5.1 SIP Settings

#### 7.5.1.1 SIP Parameters

**SIP Parameters**

**SIP Parameters**

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

#### 7.5.1.2 NAT Traversal

Webpage	Field Name	Description
	NAT Traversal	If or not enable NAT. IP622C/IP622CWP supports STUN traversal, choose “STUN” in the “NAT Traversal Mode” if you want traverse NAT/Firewall.
	STUN Server IP	STUN server IP address, default is stun.fwdnet.net
	NAT Refresh Interval (sec)	The interval to refresh
	STUN Server Port	STUN port

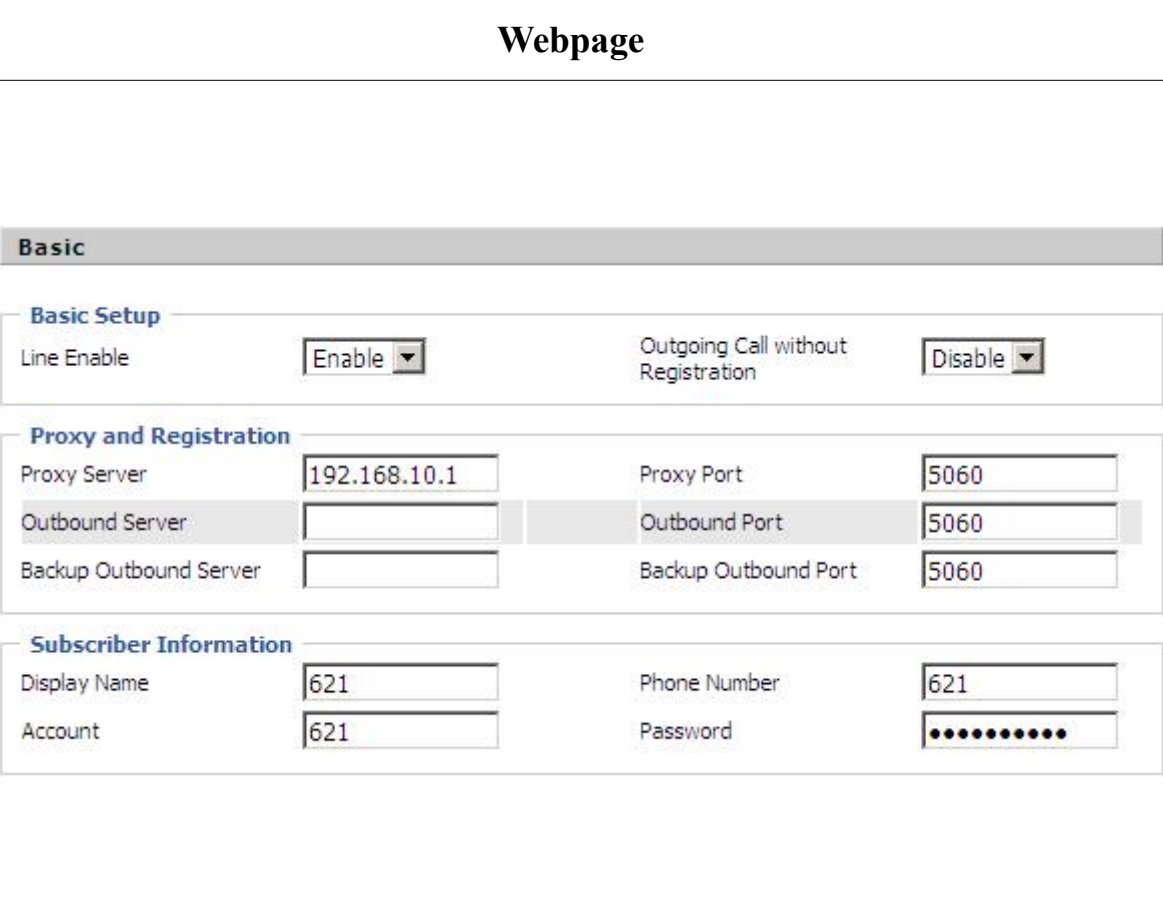
### 7.5.2 Line1

In this webpage, users can configuration the information about SIP account line1, including the following 4 parts: Basic, Audio Configuration, Supplementary Service Subscription and Advanced.

Following is the description about that.

### 7.5.2.1 Basic

Set the basic information provided by your VOIP Service Provider, such as Phone Number, Account, password, SIP Proxy and so on.

Webpage	Field Name	Description
 <p>The screenshot shows a configuration page with three main sections: 'Basic Setup' with 'Line Enable' (Enable) and 'Outgoing Call without Registration' (Disable); 'Proxy and Registration' with fields for Proxy Server (192.168.10.1), Proxy Port (5060), Outbound Server, Outbound Port (5060), Backup Outbound Server, and Backup Outbound Port (5060); and 'Subscriber Information' with fields for Display Name (621), Phone Number (621), Account (621), and Password (masked).</p>	Line Enable	If or not enable Line1
	Outgoing Call without Registration	<p>If or not enable PEER to PEER</p> <ul style="list-style-type: none"> <li>◆ If enable, Line1 will not send register request to SIP server;</li> <li>◆ In System Status, SIP-1 Status is Registered; SIP-1 can make call out, but others can not call SIP-1.</li> </ul>
	Proxy Server	The domain or IP address of SIP Server
	Proxy Port	The port which SIP Server supports for VOIP service, default is 5060
	Outbound server	Outbound server IP or domain name
	Outbound Port	Outbound server's Service port
	Backup Outbound Server	Backup Outbound server IP or domain name.
	Display Name	The number will display in callee
	Phone Number	Number of telephone provided by SIP server
	Account	SIP account provided by SIP server
	Password	SIP password provided by SIP server

### 7.5.2.2 Audio Configuration

Select the audio Codec you want to use.

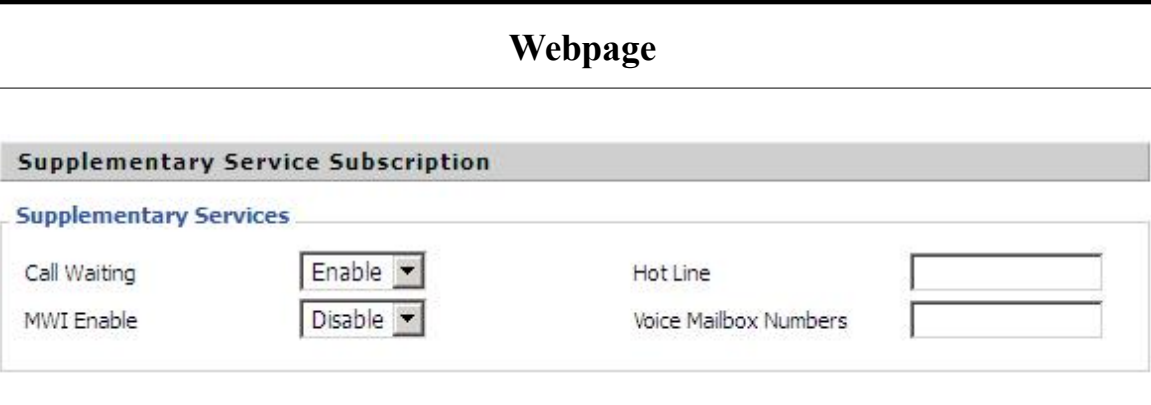
Webpage	Field Name	Description
	Audio Codec Type1	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
	Audio Codec Type2	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
	Audio Codec	Choose the audio codec type from G.711U,

Audio Configuration	
<b>Codec Setup</b>	
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
G.723 Coding Speed	5.3k bps
Packet Cycle(ms)	20ms
Silence Supp	Disable
Echo Cancel	Enable

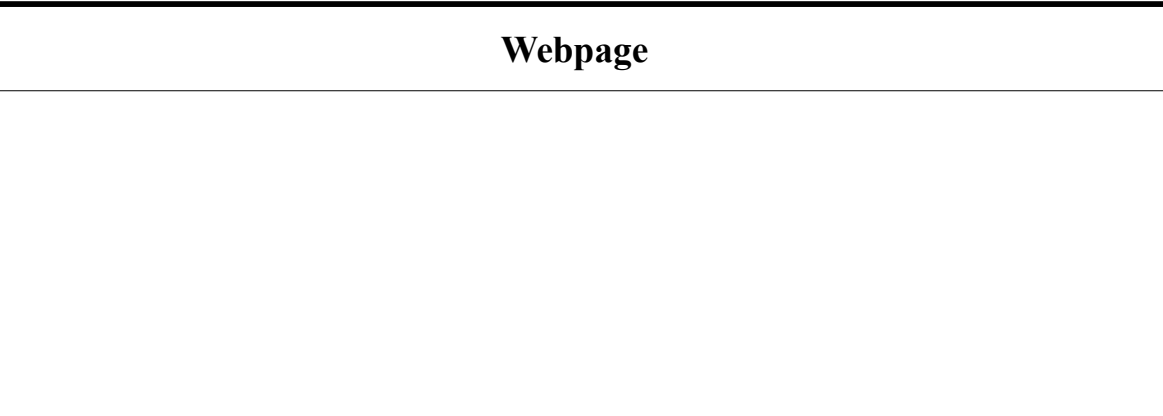
  

Type3	G.711A, G.722, G.729, G.723
Audio Codec Type4	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
Audio Codec Type5	Choose the audio codec type from G.711U, G.711A, G.722, G.729, G.723
G.723 Coding Speed	Choose the speed of G.723 from 5.3kbps and 6.3kbps
Packet Cycle	The RTP packet cycle time
Silence Supp Enable	If or not enable silence
Echo Cancel	If or not enable echo cancel,default is enable.

### 7.5.2.3 Supplementary Service Subscription

Webpage	Field Name	Description
	Call Waiting	If or not enable Call waiting.
	Hot Line	Fill in the hot line number. Pickup handset or press speaker/headset button, IP622C/IP622CWP will dial out the hot line number automatically.
	MWI Enable	If or not enable MWI (message waiting indicate).
	Voice Mailbox Numbers	Fill in the voice mailbox phone number

### 7.5.2.4 Advanced

Webpage	Field Name	Description
	Domain name Type	If or not use domain name in the SIP URI
	Carry Port Information	If or not carry Port information in the SIP URI.
	Signal Port	The local port of SIP protocol, default is 5060
	DTMF Type	Choose the DTMF type from IN_band, RFC2833 and SIP INFO.
	RFC2833	User can use the default setting

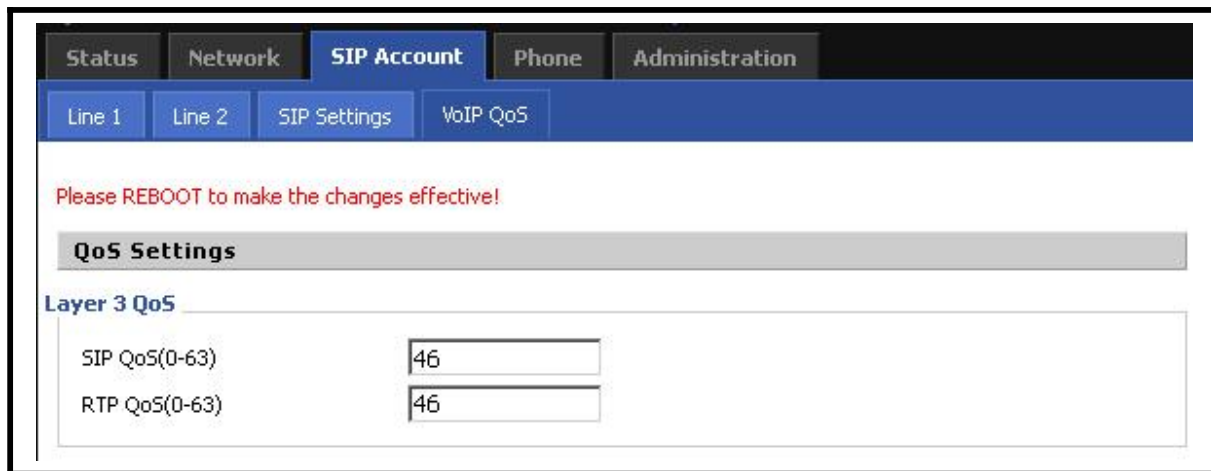
Advanced		Field Name	Description
<b>SIP Advanced Setup</b> Domain Name Type: Enable Signal Port: 5060 RFC2833 Payload(>=96): 101 Caller ID Header: FROM Session Refresh Time(sec): 0 SIP 100REL Enable: Disable Initial Reg With Authorization: Disable NAT Keep-alive Interval(10-60s): 15 Anonymous Call Block: Disable Use OB Proxy In Dialog: Disable Dial Prefix: <input type="text"/> Hold Method: ReINVITE Only Recv Request From Server: Disable SIP Received Detection: Disable SIP Encrypt Type: Disable Country Code: <input type="text"/> Tel URL: Disable		Payload (>=96)	
Carry Port Information: Disable DTMF Type: RFC2833 Register Refresh Interval (sec): 3600 Remove Last Reg: Disable Refresher: UAC SIP OPTIONS Enable: Disable Reply 182 On Call Waiting: Disable Anonymous Call: Disable Proxy DNS Type: A Type Reg Subscribe Enable: Disable User Type: IP Request-URI User Check: Disable Server Address: <input type="text"/> VPN: Disable RTP Encrypt Type: Disable Remove Country Code: Disable		Register Refresh Interval	The interval between two normal Register messages. You can use the default setting.
		RTP Port	Set the port to send RTP. IP Phone will select one idle port for RTP if you set "0", otherwise use the value user set.
		Cancel Message Enable	When you set enable, an unregistered message will be sent before registration, while you set disable, unregistered message will not be sent before registration. You should set the option for different Proxy.
		Prack Enable	If or not enable prack.
		SIP OPTIONS Enable	If this option enable, IP Phone will send SIP-PING to Server periodically instead of sending hello packet. The send interval is Keep-alive interval.
		Keep-alive interval (10-60s)	The interval that IP Phone will send an empty packet to Proxy.
		Anonymous Call	If or not enable anonymous call.
		Anonymous Call Block	If or not enable anonymous call block.
		Proxy DNS Type	Set the proxy DNS type.
		Use OB Proxy In Dialog	If or not enable OB Proxy in dialog.
		VPN	If or not enable VPN.
		Dial Prefix	The prefix added before the number user dials.
		User Type	Select the user type, options are IP and Phone.
		Only Recv Request From Server	If or not enable only receive request from SIP server.
		Request-URI User Check	If or not enable request-uri user check.
		Hold Method	Select hold method, options are ReINVITE and Info.

### 7.5.3 Line2

The parameters of Line2 are same as Line1 except the value of **Line Enable**.

### 7.5.4 VoIP QoS

Webpage	Field Name	Description
---------	------------	-------------

	SIP/RTP/ Qos	Default is 0, user can set from 0~63.
--	--------------	---------------------------------------

## 7.6 Network

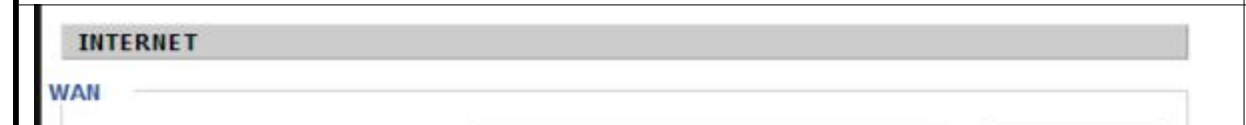
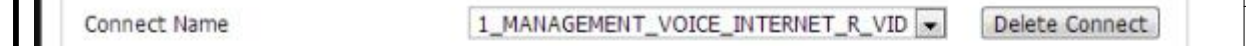





### 7.6.1 Basic

User can configure the parameters of Internet Port, PC port and Network Address Server Settings (DHCP). The details are as follows:

#### 7.6.1.1 Internet Port (WAN)

##### Static:

In static mode, user should fill in the values of IP Address, Subnet Mask, Default Gateway, Primary DNS and Second DNS got from your administrator.

Webpage	Field Name	Description
	Connect Name	This parameter is the WAN port service mode, user can set the parameters in Multi WAN page.
	Connect mode	Connection mode, it si IPv4.
	Internet	Choose Static IP.
	IP Address	The IP address of Internet port
	Subnet Mask	The subnet mask of Internet port.
	Default Gateway	The default gateway of Internet port.
		

	Primary DNS	The primary DNS of Internet port.
	Second DNS	The second DNS of Internet port.

## DHCP:

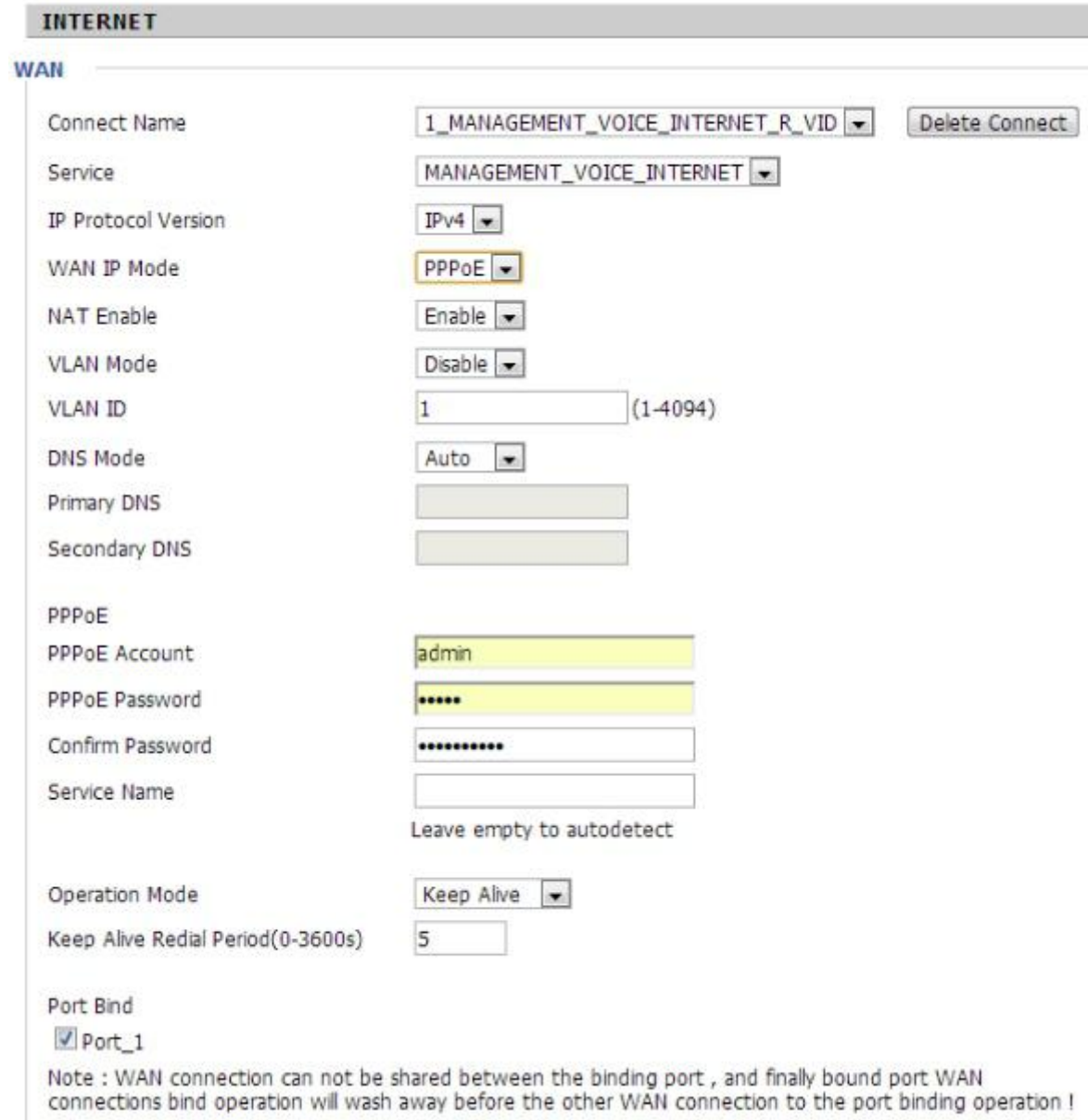
In DHCP mode, IP phone is a DHCP client.

IP phone will get the IP Address, Subnet Mask and Default Gateway from the DHCP server.

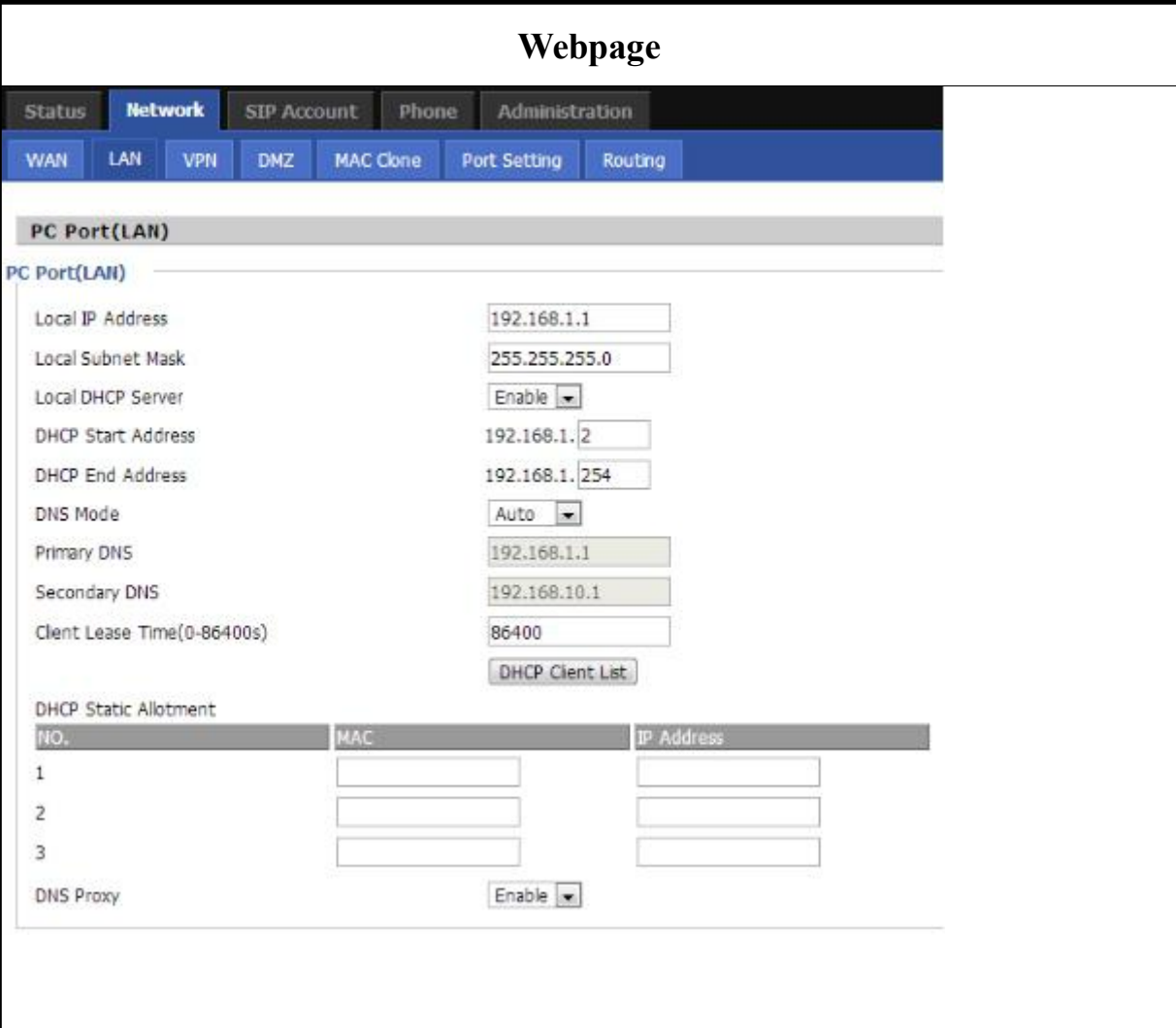
Webpage	Field Name	Description
	Internet	Choose Automatic Configuration-DHCP.
	DNS Mode	Choose DNS type from Manual and Automatic ◆In Manual: user should set the Primary DNS and Second DNS manually. ◆In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.
	Primary DNS	The primary DNS of Internet port.
	Secondary DNS	The secondary DNS of Internet port.
	DHCP Renew	Renew the DHCP.
	DHCP Vendor	Specify the DHCP vendor field.




## PPPoE:

Webpage	Field Name	Description
 <p><b>INTERNET</b></p> <p><b>WAN</b></p> <p>Connect Name: 1_MANAGEMENT_VOICE_INTERNET_R_VID [Delete Connect]</p> <p>Service: MANAGEMENT_VOICE_INTERNET</p> <p>IP Protocol Version: IPv4</p> <p>WAN IP Mode: <b>PPPoE</b></p> <p>NAT Enable: Enable</p> <p>VLAN Mode: Disable</p> <p>VLAN ID: 1 (1-4094)</p> <p>DNS Mode: Auto</p> <p>Primary DNS: [ ]</p> <p>Secondary DNS: [ ]</p> <p>PPPoE</p> <p>PPPoE Account: admin</p> <p>PPPoE Password: [ ]</p> <p>Confirm Password: [ ]</p> <p>Service Name: [ ]</p> <p>Leave empty to autodetect</p> <p>Operation Mode: Keep Alive</p> <p>Keep Alive Redial Period(0-3600s): 5</p> <p>Port Bind</p> <p><input checked="" type="checkbox"/> Port_1</p> <p>Note : WAN connection can not be shared between the binding port , and finally bound port WAN connections bind operation will wash away before the other WAN connection to the port binding operation !</p>	Internet	Choose PPPoE.
	DNS Mode	Choose DNS type from Manual and Automatic ◆ In Manual: user should set the Primary DNS and Second DNS manually. ◆ In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.
	Primary DNS	The primary DNS of Internet port.
	Secondary DNS	The secondary DNS of Internet port.
	PPPoE Account	Fill in the PPPoE account which user gets from Internet Service Provider
	PPPoE Password	Fill in the PPPoE account which user gets from Internet Service Provider
	Confirm Password	Fill in the PPPoE password again.
	Operation Mode	Select operation mode, options are Keep Alive, On demand and Manual. ◆ When the mode is Keep Alive, user need specify the keep alive redial period, arranges are 0~3600s, default is 5min. ◆ When the mode is on demand, user need specify the on demand idle time, arranges are 0~60min, default is 5min. ◆ When the mode is manual, user need not to input this.

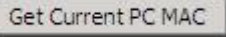
## 7.6.1.2 PC Port (LAN)


Webpage	Field Name	Description
 <p>The screenshot shows the 'PC Port(LAN)' configuration page. It includes fields for 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 (192.168.1.1), Secondary DNS (192.168.10.1), Client Lease Time (86400), and a DHCP Client List button. Below these is a table for DHCP Static Allotment with columns for NO., MAC, and IP Address, and a DNS Proxy (Enable) dropdown.</p>	Local IP address	Set the IP address of PC port. Efficient when user choose NAT.
	Local Subnet Mask	Set the subnet mask of PC port. Efficient when user choose NAT.
	Local DHCP server	If or not enable DHCP server.
	DHCP Start Address	This is the start IP address assigned by the DHCP server.
	DHCP End Address	This is the end IP address assigned by the DHCP server.
	DNS Mode	Choose DNS type from Manual and Automatic ◆ In Manual: user should set the Primary DNS and Second DNS manually. ◆ In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.
	Primary DNS	The primary DNS.
	Secondary DNS	The secondary DNS.
	Client Lease Time (0-86400s)	The DHCP Client lease time, measured in seconds, default is 86400s.
	DNS Proxy	If or not enable DNS proxy.

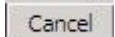
## 7.6.2 MAC Address Clone

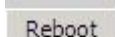
Webpage	Description
 <p>The screenshot shows the 'MAC Address Clone' configuration page. It features a 'MAC Address Clone' checkbox that is checked and set to 'Enable'. Below it is a 'MAC Address' text field and a 'Get Current PC MAC' button.</p>	<p>MAC is the hardware address of network equipment. Sometimes, network providers may bind network account with the network equipment's MAC address. So you may not pass the provider's authentication when you use a new IP622C/IP622CWP. In this case, you can use MAC Clone to copy your PC's MAC address to IP622C/IP622CWP's Internet port.</p> <p>MAC is an important parameter for network equipments, so you should make sure that the MAC is right, in order to prevent to make IP622C/IP622CWP unusable.</p>

You can login IP622C/IP622CWP's Web via PC port if you are incautious to make it wrong. And then cloning the right MAC or resume the default settings.

Step 1 Press  button to get the PC's MAC address

Step 2 Press  to save the changes

Step 3. Press  to cancel MAC address clone.









Step 4. Press  to reboot IP622C/IP622CWP.

### 7.6.3 Wireless (Only for IP622CWP)

Page

**Wireless Connection**



**Wireless Connection**  
Connection Status: Connected (AP: FLYINGVOICE\_IP542N)

SSID	Authentication	Encryption	Status
FLYINGVOICE_IP542N	WPAPSK	AES	 
FLYINGVOICE_WORKS	WPAPSK	AES	
Wireless_AP07F310	WPAPSK	AES	
TP-LINK_16290C	WPA1PSK/WPA2PSK	AES	
0xE6ADA4E5B9BFE5918AE4BD8DE5B8	WPA1PSK/WPA2PSK	AES	
TPX830L_2.4G	WPAPSK	AES	
mobifu2	WPA2PSK	AES	

Authentication:

Encryption:  TKIP  AES

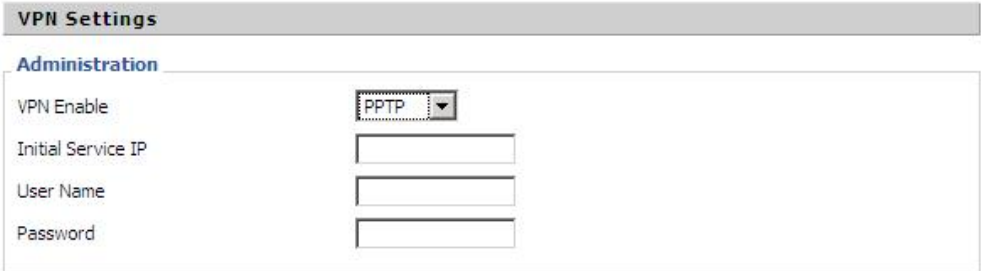
Password:

Field Name	Description
Connection Status	Show the current connect status.
SSID	All the SSID name of AP that you can search
Authentication	Wireless encryption type of AP
Encryption	ENcryption type of AP
Status	Show the status of AP  Stand for the phone have connect to AP  Stand for the the strength Wireless signal
Authentication	Wireless encryption type
ENcryption	ENcryption
<input type="button" value="OK"/>	Click to connect
<input type="button" value="Cancel"/>	Cancel the connect

	Password	Input the password of the device you need to connect.
--	----------	---

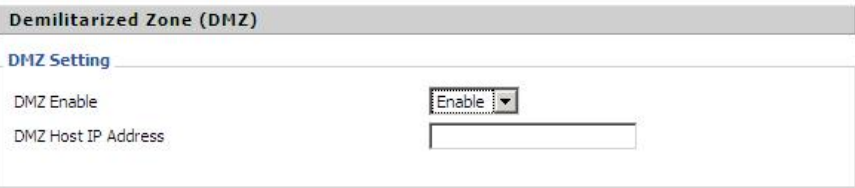
## 7.6.4 VPN

A Virtual Private Network (VPN) is the extension of a private network that encompasses links across shared or public networks like the Internet. In short, by VPN technology, you can send data between two computers across a shared or public network in a manner that emulates the properties of a point-to-point private link.

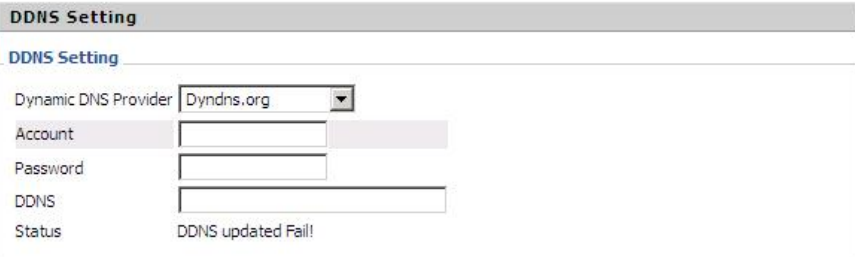
Webpage	Field Name	Description
	VPN Enable	If or not enable VPN. And user can choose the VPN mode from PPTP and L2TP.
	Initial Service IP	VPN server IP address
	User Name	The user name for authentication
	Password	Password for authentication

## 7.6.5 DMZ

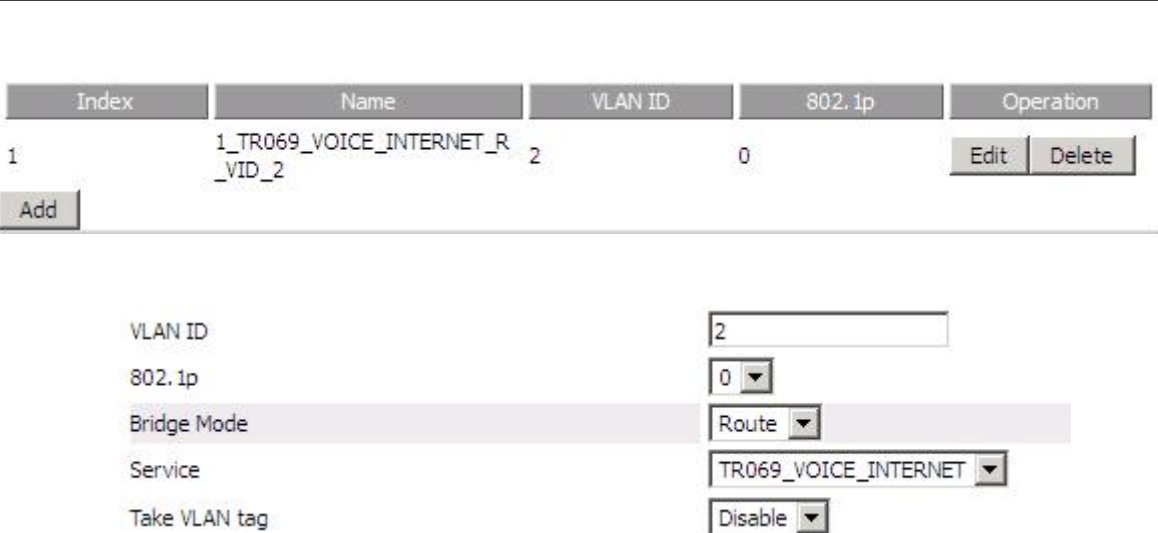
IP622C/IP622CWP provides a facility DMZ Host that maps ALL unsolicited data on any protocol to a single host in the LAN. Regular web surfing and other such Internet activities from other clients will continue to work without inappropriate interruption. DMZ Host allows a defined internal user to be totally exposed to the Internet, which usually helps some special applications such as Netmeeting or Internet Games etc.

Webpage	Field Name	Description
	DMZ Enable	If or not enable DMZ
	DMZ Host IP Address	Set the IP address of DMZ host

## 7.6.6 DDNS

Webpage	Field Name	Description
	Dynamic DNS Provider	Select the DDNS provider.
	Account	Enter the account user gets from the DDNS provider.
	Password	Enter the password user gets from the DDNS provider.
	DDNS	Enter the DDNS domain.
	Status	Display the DDNS status.

## 7.6.7 Multi WAN

Webpage	Field Name	Description
	Index	Index
	Name	The name of service mode.
	VLAN ID	VLAN ID
	802.1p	802.1p priority, user can choose from 0 to 7.
	Edit	Click edit to edit the current vlan.
	Delete	Click delete to delete the current vlan.
	Add	Click Add to add another vlan.
	Click Edit, the webpage displays as left.	
	VLAN ID	Set VID, it can be 2~4094.
	802.1p	802.1p priority, user can choose from 0 to 7.
	Bridge Mode	Set network connection type, it can be Route or Bridge.
Service	Select the service mode of this port.	
Take VLAN	If or not enable take VLAN tag.	

	tag	
--	-----	--

## 7.7 Phone

User can configuration volume, call forward, multi-functional key, dial plan, phonebook and call log.



### 7.7.1 Preference

User can configure the value of ring volume, speakerphone volume, handset volume and so on.

#### 7.7.1.1 Preference

Webpage	Field Name	Description
	Handset Input Gain	Adjust the handset input gain from 0-7.
	Handset Volume Gain	Adjust the output gain from 0-7.
	Speakerphone Input Gain	Adjust the speakerphone input gain from 0-7.
	Speaker Volume	Adjust the speaker volume form 0-7.
	Ringer Volume	Adjust the ringer volume form 0-7.
	Speakerphone Mic Boost	If or not increase the MIC volume 20 db.

#### 7.7.1.2 Regional

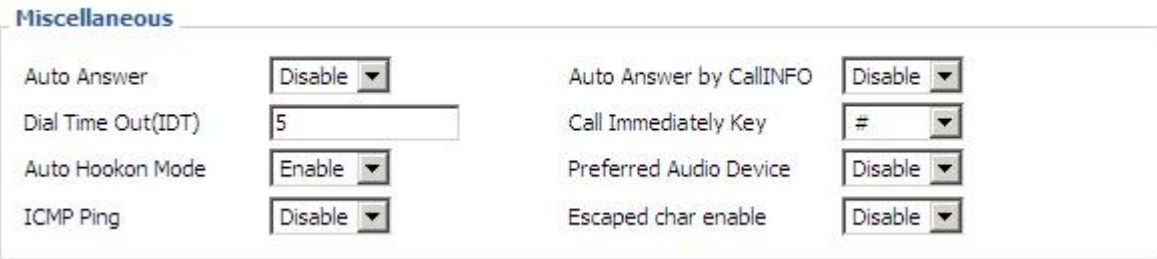
Webpage	Field Name	Description
	Tone Type	Choose tone type form China, US, Hong Kong and so on.
	Dial Tone	Dial tone
	Busy Tone	Busy Tone
	Off Hook	Off hook warning tone

Regional		Warning Tone	
Tone Type	USA	Ring Back Tone	Ring back tone
Dial Tone		Call Waiting Tone	Call Waiting tone.
Busy Tone		Min Jitter Delay (ms)	The Min value of IP622C/IP622CWP's jitter delay, IP622C/IP622CWP's jitter is an adaptive jitter mechanism.
Off Hook Warning Tone		Max Jitter Delay (ms)	The Max value of IP622C/IP622CWP's jitter delay, IP622C/IP622CWP's jitter is an adaptive jitter mechanism.
Ring Back Tone		Ring Time(Sec)	How long IP622C/IP622CWP will ring
Call Waiting Tone			
Min Jitter Delay(ms)	0		
		Max Jitter Delay(ms)	80
Ring Time(Sec)	60		

### 7.7.1.3 Call Forward

Webpage	Field Name	Description	
<p><b>Call Forward</b></p> <p>All Forward <input type="text"/> Busy Forward <input type="text"/></p> <p>No Answer Forward <input type="text"/> No Answer Timeout <input type="text" value="20"/></p> <p><b>Feature Code</b></p> <p>Cfwd All On Code <input type="text"/> Cfwd All Off Code <input type="text"/></p> <p>Cfwd Busy On Code <input type="text"/> Cfwd Busy Off Code <input type="text"/></p> <p>Cfwd No Ans On Code <input type="text"/> Cfwd No Ans Off Code <input type="text"/></p> <p>DND On Code <input type="text"/> DND Off Code <input type="text"/></p> <p>Unpark Code <input type="text"/></p>	Features	All Forward	If or not enable all forward.
		Busy Forward	If or not enable busy forward.
		No Answer Forward	If or not enable no answer forward.
	Call Forward	All Forward	Fill in all forward number.
		Busy Forward	Fill in busy forward number.
		No Answer Forward	Fill in no answer forward.
		No Answer Timeout	Specify no answer timeout.
	Feature Code	Cfwd All On Code	Fill in cfwd all on code.
		Cfwd All Off Code	Fill in cfwd off on code.
		Cfwd Busy On Code	Fill in cfwd busy on code.
		Cfwd Busy Off Code	Fill in cfwd busy off on code.
		Cfwd No Ans On Code	Fill in cfwd no answer on code.
		Cfwd No Ans Off Code	Fill in cfwd no answer off code.
		DND On Code	Fill in DND on code.
		DND Off Code	Fill in DND off code.
Unpark Code	Fill in Unpark Code		

### 7.7.1.4 Miscellaneous

Webpage	Field Name	Description
	Auto Answer	If or not enable auto answer. If enable, IP622C/IP622CWP will auto answer all incoming call immediately.
	Auto Answer by CallINFO	If or not enable auto answer by call info.
	Dial Time Out	How long IP622C/IP622CWP to sound dial out tone when IP622C/IP622CWP dialing number.
	Call Immediately Key	Choose call immediately key form * or #.
	Auto Hookon Mode	If or not enable auto hook on mode, if enable, IP622C/IP622CWP will hang up automatically when the other side hangs up.
	ICMP Ping	If or not enable ICMP Ping. If enable this option, IP622C/IP622CWP will ping the SIP Server every interval time, otherwise, It will send “hello” empty packet to the SIP Server.
	Escaped char enable	If or not enable escaped char.

### 7.7.2 Multi-Functional Key

Step 1. Choose one **Exp Key** from the Exp Key 1...10.

Step 2. Choose one **function type** from **speed dial, shortcut key,**.

Step 3. Set the other corresponding parameters.

Step 4. Press **Save** button to save changes, press **Cancel** button to cancel changes.

**Below is an example:**



Key	Type	Mode	Line	Expansion	Pickup Code
Exp Key1	Speed Dial		Line1	621	
Exp Key2	Speed Dial		Line1	622	
Exp Key3	Speed Dial		Line1	623	
Exp Key4	Shortcut Keys	Phonebook			
Exp Key5	Shortcut Keys	Text Message			
Exp Key6	Shortcut Keys	Volume+			
Exp Key7	Shortcut Keys	Volume-			
Exp Key8	Disable				
Exp Key9	Disable				
Exp Key10	Disable				

### Adding speed dial:

Step 1. Choose one Exp Key to configuration

Step 2. Select the speed dial from the drop down list

Step 3. Choose the Line from auto (the first line registered), line1, line2

Step 4. Fill the phone number in Expansion

Step 5. Press  to save changes

Step 6. Press  button to make changes effective.

If set properly, press the corresponding key to make call immediately

### Adding shortcut key:

Step 1. Choose one Exp Key to configuration

Step 2. Select the shortcut key from the drop down list

Step 3. Select the mode from the phonebook, call history, text message, volume+, volume- and login/logout in the drop down list.

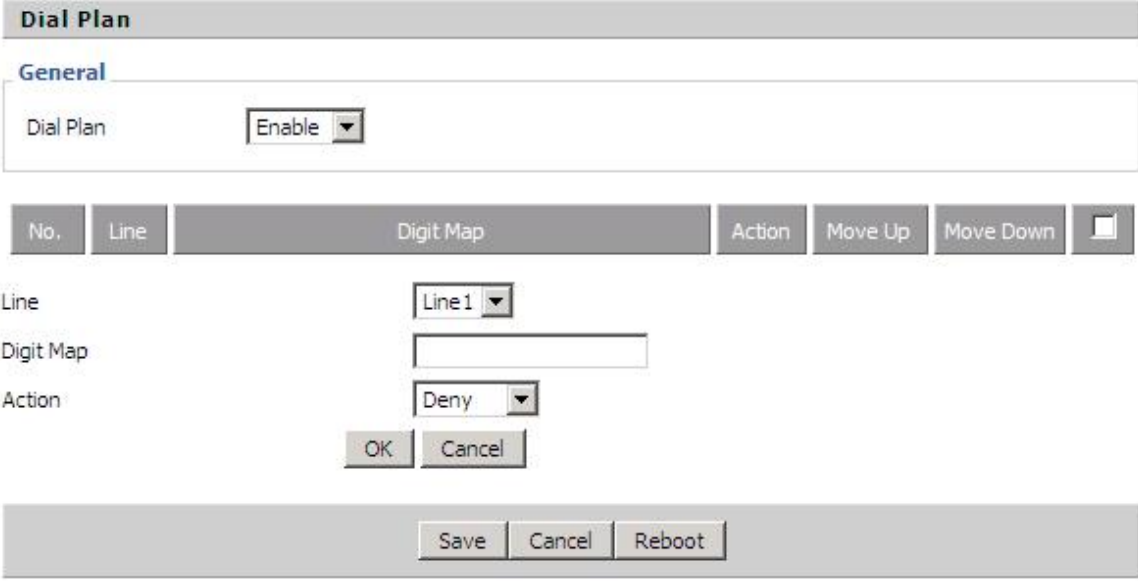
Step 4. Press  to save changes

Step 5. Press  button to make changes effective.

If set properly, press the corresponding button to access to phonebook, call history, text message, volume+, volume- and login/logout menu directly.

## 7.7.3 Dial Plan

### 7.7.3.1 Parameters and Settings

Webpage	Field Name	Description
 <p style="text-align: center;">Picture 1</p>	Dial Plan	If or not enable dial plan.
	Line	Choose the call mode from line1, line2.
	Digit Map	Fill in the sequence used to match input number
		The syntactic, please refer to the following <b>Dial Plan Syntactic</b>
	Action	Choose the dial plan mode from Deny and Dial Out. <b>Deny</b> means IP622C/IP622CWP will reject the matched number, while <b>Dial Out</b> means IP622C/IP622CWP allow dial out the matched number.
	Move Up	Press it to move up.
	Move Down	Press it to move down.

**Dial Plan**

**General**

Dial Plan

No.	Line	Digit Map	Action	Move Up	Move Down	<input type="checkbox"/>
1	Line1	<9: 010>2010110	Dial Out	▲	▼	<input type="checkbox"/>
2	Line2	<5,:><:24133>8101	Dial Out	▲	▼	<input type="checkbox"/>
3	Line1	<4-6]:>22x<:333>	Dial Out	▲	▼	<input type="checkbox"/>
4	Line2	<9,8,:>711	Dial Out	▲	▼	<input type="checkbox"/>
5	Line1	<[2-5],:5>622.	Deny	▲	▼	<input type="checkbox"/>

Line

Digit Map

Action

Picture 2

### Steps :

#### Adding one dial plan:

Step 1. Enable Dial Plan

Step 2. Click **Add** button, and the configuration table like Picture 1 will appear

Step 3. Fill in the value of parameters.

Step 4. Press **OK** button to end configuration.

Step 5. Press **Save Settings** button to save changes.

#### Editing one dial plan:

Step 1. Enable Dial plan

Step 2. Choose one dial plan

Step 3. Click **Edit** button, and the configuration table like Picture 2 will appear

Step 4. Change the value of parameters.

Step 5. Press **OK** button to end configuration.

Step 6. Press **Save Settings** button to save changes.

#### Deleting one dial plan:

Step 1. Enable Dial plan

Step 2. Choose one dial plan

Step 3. Click **Delete** button to delete the dial plan

### 7.7.3.2 Dial Plan Syntactic

No.	String	Description
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 form sequence. For example: <ul style="list-style-type: none"> <li>[0-9]: match one digit form 0 to 9</li> <li>[23-5*]: match one character from 2 or 3 or 4 or 5 or *</li> </ul>
4	x.	Match to $x^0, x^1, x^2, x^3, \dots, x^n$ For example: "01.": can match "0", "01", "011", "0111", ....., "01111..."
5	<dialed: substituted>	Replace dialed with substituted. For example: <8:1650>123456: input is "85551212", output is"16505551212"
6	x,y	Make outside dial tone after dialing "x", stop until dialing character "y" For example: "9,1xxxxxxxxxx":IP622C/IP622CWP make outside dial tone after inputting "9", stop tone until inputting "1" "9,8,010x": make outside dial tone after inputting "9", stop tone until inputting "0"
7	T	Set the delayed time. For example: "<9:111>T2": IP622C/IP622CWP will dial out the matched number "111" after 2 seconds.

### 7.7.3.3 Example

**Dial Plan**

**General**

Dial Plan

No.	Line	Digit Map	Action	Move Up	Move Down	<input type="checkbox"/>
1	Line1	<:010>#12<#:%23>2	Dial Out	▲	▼	<input type="checkbox"/>
2	Line1	<5,:><:241333>8101	Dial Out	▲	▼	<input type="checkbox"/>
3	Line1	<[4-5]:>22xxxx<:333>	Dial Out	▲	▼	<input type="checkbox"/>
4	Line1	<2-3,:5>622.	Dial Out	▲	▼	<input type="checkbox"/>
5	Line1	777x.8	Deny	▲	▼	<input type="checkbox"/>

#### 1. Example 1

Using line 1, if user dials **#12#2**, IP622C/IP622CWP will call **010#12%232** immediately.

#### 2. Example 2

Using line 2, if user dials **5,8101**, IP622C/IP622CWP will call **2413338101** immediately,

And IP622C/IP622CWP will make outside dial tone after inputting “5”, stop tone until inputting “8”.

#### 3. Example 3

Using line 1, if user dials **422xxxx** or **522xxxx**, IP622C/IP622CWP will call **22xxxx333** immediately.

#### 4. Example 4

Using line 2, if user dials **2,622C** or **2,622C2** or **2,622C22** or **2.62222** or **3.62222**, IP622C/IP622CWP will call **5622C** or **5622C2** or **5622C22** or **5622222** or **5622222** immediately.

And IP622C/IP622CWP will make outside dial tone after inputting “2” or “3”, stop tone until inputting “6”.



#### 5. Example 5

Using line 1, if user dials **777x8**, IP622C/IP622CWP


will reject the phone number out.

## 7.7.4 Phone Book

### 7.7.4.1 Upload & Download Phonebook or Blacklist

Webpage	Field Name	Description
	Phonebook Upload & Download	Click <b>download CSV</b> to save the phonebook to the local PC. Click <b>浏览...</b> to select the phonebook and click <b>upload CSV</b> to upload it to the phone.
	Blacklist Upload & Download	Click <b>download CSV</b> to save the blacklist to the local PC. Click <b>浏览...</b> to select the blacklist and click <b>upload CSV</b> to upload it to the phone.

### 7.7.4.2 Phonebook

Webpage	Field Name	Description
 <p>Picture 1</p>	Name	Input the name.
	Number	Input the phone number.
	Ring	Select the ring tone type.

Phonebook				
Index	Name	Number	Ring	<input type="checkbox"/>
1	Hanmei	123	Bell Type 1	<input type="checkbox"/>
2	Lily	528	Bell Type 1	<input type="checkbox"/>
3	Tom	516	Bell Type 1	<input type="checkbox"/>
4	Lilei	517	Bell Type 1	<input type="checkbox"/>
5	Steve	529	Bell Type 1	<input type="checkbox"/>
6	Spring	510	Bell Type 1	<input type="checkbox"/>
7	Summer	501	Bell Type 1	<input type="checkbox"/>
8	Winter	515	Bell Type 1	<input type="checkbox"/>
9	Hary	504	Bell Type 1	<input checked="" type="checkbox"/>

Picture 2

Name	<input type="text" value="Tom"/>
Number	<input type="text" value="516"/>
Ring	<input type="text" value="Bell Type 1"/>
<input type="button" value="OK"/> <input type="button" value="Cancel"/>	

Picture 3

Index	Name	Number	Ring	<input type="checkbox"/>
1	Hanmei	123	Bell Type 1	<input type="checkbox"/>
2	Lily	528	Bell Type 1	<input type="checkbox"/>
3	Tom	516	Bell Type 1	<input type="checkbox"/>
4	Lilei	517	Bell Type 1	<input type="checkbox"/>
5	Steve	529	Bell Type 1	<input type="checkbox"/>
6	Spring	510	Bell Type 1	<input type="checkbox"/>
7	Summer	501	Bell Type 1	<input type="checkbox"/>
8	Winter	515	Bell Type 1	<input type="checkbox"/>
9	Hary	504	Bell Type 1	<input checked="" type="checkbox"/>

Picture 4

## Steps :

### Adding one phone book:

Step 1. Click **Add** button, and the configuration table like

Picture 1 will appear

Step 2. Fill in the value of parameters.

Step 3. Press **OK** button to end configuration.

Step 4. Press **Save** button to save changes.

### Editing one phone book:

Step 1. Choose one phone book

Step 2. Click **Edit** button, and the configuration table like

Picture 3 will appear.

Step 3. Change the value of parameters.

Step 4. Press **OK** button to end configuration.

Step 5. Press **Save** button to save changes.

### Deleting one phone book:

Step 1. Choose one phone book


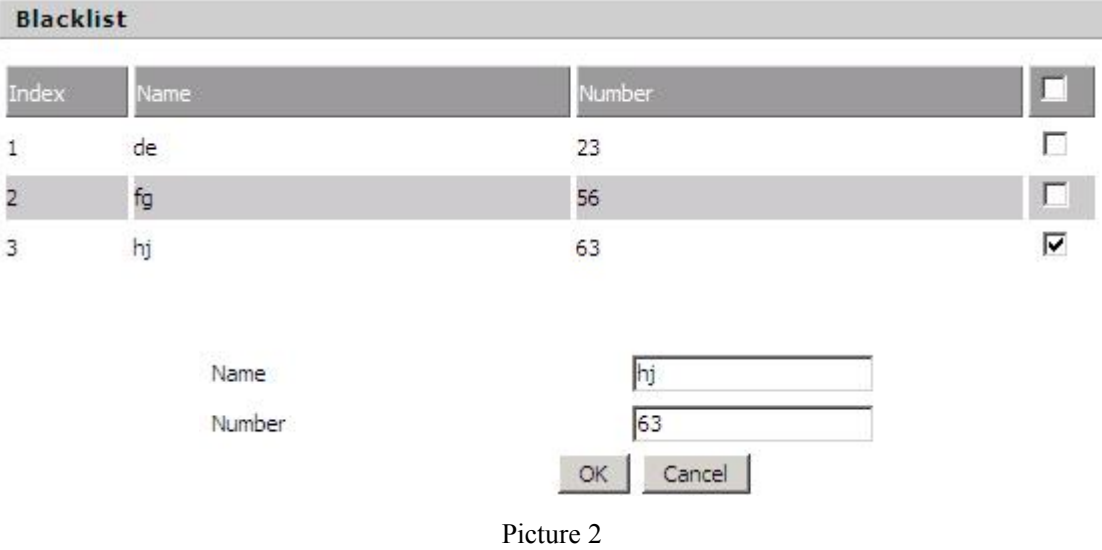

Step 2. Click **Delete** button to delete the phone book

### Move one phone book to Black list:

Step 1. Choose one phone book

Step 2. Click **Move to blacklist** button to delete the phone book

### 7.7.4.3 Black List

Webpage	Field Name	Description
 <p>Picture 1</p>	Name	Input the name
 <p>Picture 2</p>	Number	Input the phone number
<p><b>Steps :</b></p> <p><b>Adding one Black List:</b>            Step 1. Click <b>Add</b> button, then the configuration table like Picture 1 will appear            Step 2. Fill in the value of parameters.            Step 3. Press <b>OK</b> button to end configuration.            Step 4. Press <b>Save</b> button to save changes.</p> <p><b>Editing one Black List:</b>            Step 1. Choose one black list            Step 2. Click <b>Edit</b> button, and the configuration table like Picture 2 will appear            Step 3. Change the value of parameters.            Step 4. Press <b>OK</b> button to end configuration.            Step 5. Press <b>Save Settings</b> button to save changes.</p> <p><b>Deleting one Black List:</b>            Step 1. Choose one black list            Step 2. Click <b>Delete</b> button to delete the black list</p> <p><b>Moving one Black List to phonebook:</b>            Step 1. Choose one black list            Step 2. Click  button to move the black list to the phonebook</p>		

### 7.7.5 Call Log

To view the call log information such as redial list (incoming call), answered call and missed call.



### 7.7.5.1 Redial List

Redial List				
Index	Name	Number	Start Time	Duration
1	111	111	04/19 10:51	00:00:01
2	6526	6526	04/18 12:14	00:00:04
3	6	6	04/18 12:14	00:00:00
4	6527	6527	01/01 00:03	00:00:04
5	6526	6526	04/18 12:07	00:00:05
6	6526	6526	01/01 00:03	00:00:05
7	6526	6526	04/18 12:01	00:00:06
8	111	111	04/18 12:01	00:00:01
9	6526	6526	04/18 12:00	00:00:01
10	6	6	04/18 12:00	00:00:01
11	6526	6526	04/18 12:00	00:00:01
12	6526	6526	04/18 12:00	00:00:01
13	010	010	04/18 11:01	00:00:02

### 7.7.5.2 Answered Calls

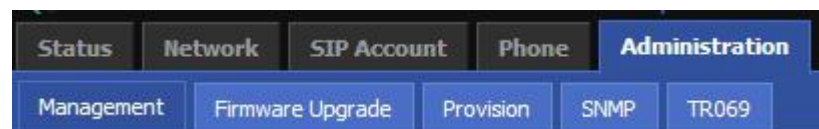
Answered Calls				
Index	Name	Number	Start Time	Duration
1	222	222	04/19 12:29	00:00:18
2	111	111	04/19 12:20	00:00:39
3	222	222	04/19 12:19	00:00:12
4	222	222	04/19 12:17	00:00:08
5	111	111	04/19 11:55	00:04:00
6	111	111	04/19 11:52	00:02:59
7	111	111	04/19 11:11	00:01:01
8	111	111	04/19 10:52	00:00:18
9	111	111	04/19 10:52	00:00:05
10	111	111	04/19 10:51	00:00:20
11	6526	6526	04/18 12:14	00:00:04
12	6526	6526	04/18 12:07	00:00:06
13	6526	6526	04/18 12:00	00:00:06

### 7.7.5.3 Missed Call

Missed Calls				
Index	Name	Number	Start Time	Duration
1	456	456	03/25 19:06	00:00:01
2	456	456	03/25 19:06	00:00:00
3	456	456	03/25 19:05	00:00:01
4	456	456	03/25 19:05	00:00:01
5	456	456	03/25 19:05	00:00:01

## 7.8 Administration

Use can manage the IP622C/IP622CWP in these six webpages; you can configure the Time/Date, password, web access, system log and so on.



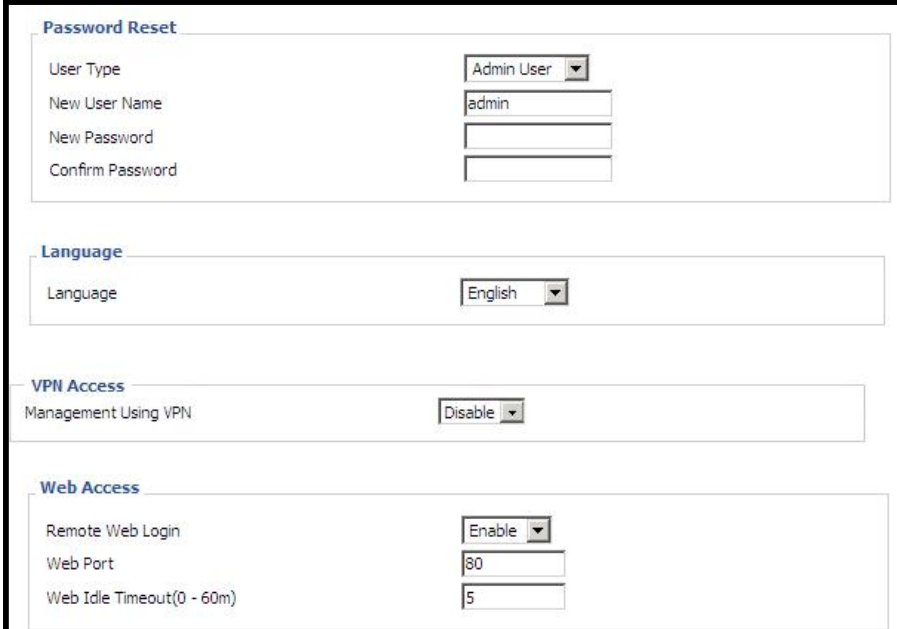
### 7.8.1 Management

You can configuration the value of Time/Date, password, web access, and system log and so on.


#### 7.8.1.1 File Upload&&Download

Webpage	Field Name	Description
	Config File Upload&& Download	Upload or Download the configuration file.
	Web Logo File Upload	Upload the web log file.

### 7.8.1.2 Administrator Settings

Webpage	Field Name	Description
 <p>The screenshot shows the Administrator Settings webpage with four sections: Password Reset, Language, VPN Access, and Web Access. Each section contains various input fields and dropdown menus for configuration.</p>	User Type	Select Admin User or Normal User.
	New User Name	Input the user name.
	New Password	Input the password.
	Confirm Password	Input the password again.
	Language	User can select the language, options are English,Russian, Finnish, Spanish,Czech, Hebrew and Romania.
	VPN Access	Enable or disable access VPN
	Remote Web Login	If or not enable remote web login.
	Web Port	Set the port which used to login WEB via Internet port and PC port, default is 80.
	Web Idle Timeout(0-60m)	Set web idle time out, measured by minute, The web page can be logged out after <b>Web Idle Timeout</b> without any operation.

### 7.8.1.3 Time/Date

Webpage	Field Name	Description
 <p>The screenshot shows the Time/Date settings webpage with various configuration options for NTP, daylight saving time, and offsets.</p>	NTP Enable	If or not enable NTP.
	Current Time	Display the current Time.
	NTP Settings	Select the time zone.
	Primary NTP Server	Enter the domain of primary NTP server.
	Secondary NTP Server	Enter the domain of secondary NTP server.
	NTP synchronization (1-1440m)	The synchronization period.
	Daylight Saving Time	If or not enable daylight saving time.
	Offset	Offset time, “-60” means advancing 60minute, “60” means delaying 60miute.
	Start Month	Choose starting month

**Time/Date Setting**

**NTP Settings**

NTP Enable: Enable

Current Time: Sat Jun 8 13:58:36 GMT 2013 Sync with host

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

Primary NTP Server: pool.ntp.org

Secondary NTP Server: cn.pool.ntp.org

NTP synchronization(1 - 1440m): 60

**Daylight Saving Time**

Daylight Saving Time: Enable

Offset: 60 Min.

Start Month: April

Start Day of Week: Sunday

Start Day of Week Last in Month: First in Month

Start Hour of Day: 2

Stop Month: October

Stop Day of Week: Sunday

Stop Day of Week Last in Month: Last in Month

Stop Hour of Day: 2

Start Day of Week	Choose starting day
Start Day of Week Last in Month	Choose starting week
Start Hour of Day	Choose starting hour
Stop Month	Choose stopping month
Stop Day of Week	Choose stopping day
Stop Day of Week Last in Month	Choose stopping week
Stop Hour of Day	Choose stopping the function hour

Daylight Saving Time: Enable

Offset: 60 Min.

Start Month: March

Start Day of Week: Sunday

Start Day of Week Last in Month: Last in Month

Start Hour of Day: 2

Stop Month: October

Stop Day of Week: Sunday

Stop Day of Week Last in Month: Last in Month

Stop Hour of Day: 3

**Steps:**

**Daylight Saving Time:**

Step 1. Enable Daylight Saving Time.

Step 2. Set value of offset, like Picture 2

Step 3: Set staring Month/Week/Day/Hour in **Start Month/Start Day of Week Last in Month/Start Day of Week/Start Hour of Day**, analogously set stopping Month/Week/Day/Hour in **Stop Month/Stop Day of Week Last in Month/Stop Day of Week/Stop Hour of Day**.

Step 5. Press **Saving** button to save and press **Reboot** button to active changes.

### 7.8.1.4 System Log Setting

Webpage	Field Name	Description
<p><b>System Log Setting</b></p> <p><b>Syslog Setting</b></p> <p>Syslog Enable <input type="button" value="Enable"/></p> <p>Syslog Level <input type="button" value="INFO"/></p> <p>Login Syslog Enable <input type="button" value="Enable"/></p> <p>Call Syslog Enable <input type="button" value="Enable"/></p> <p>Net Syslog Enable <input type="button" value="Enable"/></p> <p>Device Management Syslog Enable <input type="button" value="Enable"/></p> <p>Device Alarm Syslog Enable <input type="button" value="Enable"/></p> <p>Kernel Syslog Enable <input type="button" value="Enable"/></p> <p>Remote Syslog Enable <input type="button" value="Disable"/></p> <p>Remote Syslog Server <input type="text"/></p>	SysLog Enable	If or not enable system log.
	Syslog Level	Choose log level from INFO and Debug. Debug provides more system log information than INFO.
	Remote Syslog Enable	If or not enable remote system log,
	Remote Syslog Server	Fill in remote system log server address.

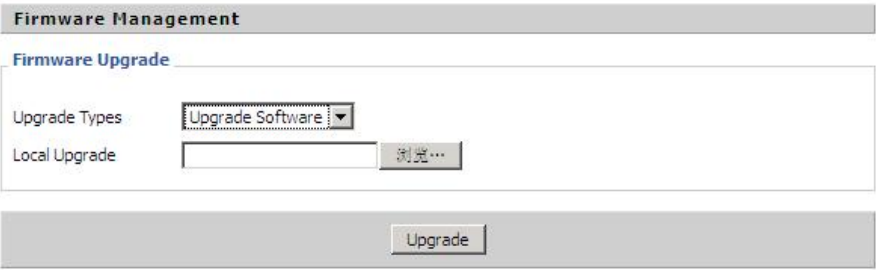
### 7.8.1.5 Packet Trace

Webpage	Field Name	Description
<p><b>Packet Trace</b></p> <p>Packet Trace <input type="button" value="start"/> <input type="button" value="stop"/> <input type="button" value="save"/></p>		User can use this function to trace the packets sent by the phone. Press <b>start</b> to begin packet trace, and refresh the webpage until it displays <b>stop</b> , press <b>save</b> to save the packet to your local PC.

### 7.8.1.6 Factory Defaults

Webpage	Field Name	Description
<p><b>Factory Defaults</b></p> <p>Reset to Factory Default <input type="button" value="Factory Default"/></p>		Press <b>Factory Default</b> button to reset IP622C/IP622CWP default.

## 7.8.2 Firmware Upgrade

Webpage	Description
	<p><b>Steps:</b></p> <p>Step 1. Press <input type="button" value="浏览..."/> to browser the upgrade file.</p> <p>Step 2. Press <input type="button" value="Upgrade"/> to start upgrading, LCD will display the notice when upgrading.</p> <p>Step 3. Login web and then check the firmware whether well upgraded by viewing the firmware version in <b>Status/Basic</b> webpage.</p>

## 7.8.3 Provision

- 1) Provisioning allow IP622C/IP622CWP auto-upgrading or auto-configuring
- 2) IP622C/IP622CWP supports 3 ways to provision: TFTP, HTTP and HTTPS.
  - ◆ Before testing or using TFTP, user should have tftp server and upgrading file and configuring file.
  - ◆ Before testing or using HTTP, user should have http server and upgrading file and configuring file.
  - ◆ Before testing or using HTTPS, user should have https server and upgrading file and configuring file and CA Certificate file(should same as https server's) and Client Certificate file and Private key file
- 3) User can uploading CA Certificate file and Client Certificate file and Private Key file in Equipment Manage/Cert Manage page.
- 4) Details please refer to document Provision\_User Manual\_en\_v1.1.doc

Webpage	Field Name	Description
	Provision Enable	If or not enable provision.
	Resync On Reset	If or not enable resync after IP622C/IP622CWP restart.
	Resync Random Delay	Set the maximum delay for request the synchronization file.

Provision		Field Name	Description
<b>Configuration Profile</b> Provision Enable: Enable 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: http://prv1.flyingvoice.net:69/config/\$(MA)?mac=\$(M		Resync Periodic(sec)	Set the periodic time for resync, default is 3600s
		Resync Error Retry Delay	If the last resync was failure, IP622C/IP622CWP will retry resync after the “Resync Error Retry Delay” time, default is 3600s
		Forced Resync Delay	If it’s time to resync, but IP622C/IP622CWP is busying now, in this case, IP622C/IP622CWP will wait for a period time, the longest is “Forced Resync Delay” , default is 14400s, when the time over, IP622C/IP622CWP will forced to resync
		Resync After Upgrade	If or not enable firmware upgrade after resync.
		Option 66	If or not enable option 66, default is enable.
		Option 67	If or not enable option 66, default is enable.
		Config File Name	Fill in the name of configuration file which phone will download from the Option 66 server.
		Profile Rule	URL of profile provision file
		Upgrade Enable	If or not enable firmware upgrade.
		Upgrade Error Retry Delay	Set the time to retry upgrade, effective when the last upgrade was failure
<b>Firmware Upgrade</b> Upgrade Enable: Enable Upgrade Error Retry Delay(sec): 3600 Upgrade Rule:		Upgrade Rule	URL of upgrade file

## 7.8.4 TR069

Webpage		Field Name	Description
<b>TR069 Configuration</b> <b>ACS</b> TR069 Enable: Enable CWMP: Enable ACS URL: http://acs1.flyingvoice.net:8080/tr069 User Name: 0021F2-IP622-FLY5415B000034 Password: ●●●●●●●● Periodic Inform Enable: Enable Periodic Inform Interval: 600 <b>Connect Request</b>		TR069 Enable	If or not enable TR069
		CWMP	If or not enable TR069
		ACS URL	The URL of TR069 server
		User Name	The IP622C/IP622CWP’s user name for connecting to TR069 server
		Password	The IP622C/IP622CWP’s password for connecting to TR069 server
		Periodic Inform Enable	If or not enable periodic information
		Periodic Inform Interval	The interval to send information to TR069 server
		User Name	The TR069 server’s user name for connecting to IP622C/IP622CWP

	Password	The TR069 server's password for connecting to IP622C/IP622CWP
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## 8 Trouble Shooting

This section provides solutions to problems that can occur during the installation and operation of the IP phone. Read the following descriptions if you are having problems.

### 8.1 No Operation after Power On

**Solution:**

Check if the power adapter is properly connected.

If applicable, check if the PoE (Power over Ethernet) switch behind the IP phone is set correctly.

### 8.2 Long Time Stop at “Initializing Network”

**Solution:**

Check if the Ethernet cable is properly connected.

Check if the DHCP server is working normally.

Check if the connection between the DHCP Server and IP622C/IP622CWP is properly connected.

### 8.3 No Dial Tone

**Solution:**

Check if the handset cord is properly connected.

### 8.4 Can not Make a Call

**Solution:**

Check the status of your SIP registration status or contact your administrator, supplier, or ITSP for more information or assistance.



## 8.5 Can not Receive Any Phone Call

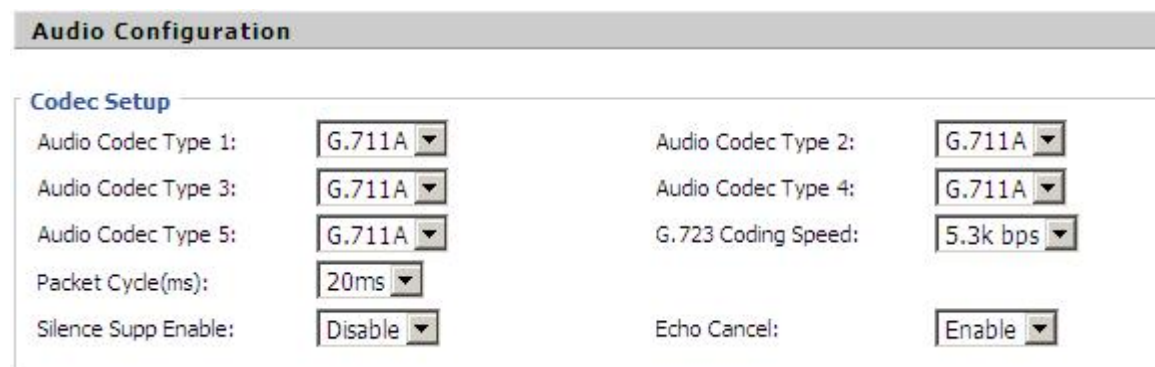
### Solution:

Check the status of your SIP registration status, or contact your administrator, supplier, or ITSP for more information or assistance.

## 8.6 No Voice during an Active Call

### Solution:

Check if the servers support the current audio codec type, or contact your administrator, supplier, or ITSP for more information or assistance.



The screenshot shows a configuration window titled "Audio Configuration". Under the "Codec Setup" section, there are several dropdown menus for audio codec settings:

Audio Codec Type 1:	G.711A	Audio Codec Type 2:	G.711A
Audio Codec Type 3:	G.711A	Audio Codec Type 4:	G.711A
Audio Codec Type 5:	G.711A	G.723 Coding Speed:	5.3k bps
Packet Cycle(ms):	20ms	Echo Cancel:	Enable
Silence Supp Enable:	Disable		

## 8.7 Can not connect to the configuration Website

### Solution:

Check if the Ethernet cable is properly connected.

Check if the URL is right wrote, the format of URL is: **http:// the Internet port IP address**.

Check if your firewall/NAT settings are correct.

Check if the version of IE is IE8, or use other browser such as Firefox or Mozilla, or contact your administrator, supplier, or ITSP for more information or assistance.

## 8.8 Forget the Password

Default password of website and menu is null.

If user changed the password and then forgot, you can not access to the configuration website or the menu items which need password.

Solution:

Factory default: press **Menu** button and choose **16Factory Default**, then a notice will appear, choose **OK** by using the corresponding softkey button. And this way is required password,too.

There is another way to make factory default, press **#\*06#** on the phone's panel, and then select **4 Factory Reset**, input **YES(937)** to confirm your action, and then the phone will reset all the settings.

If you choose factory default, you will return the phone to the original factory settings and will erase ALL current settings, including the directory and call logs.

## 8.9 FCC Warning

This device 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

#### RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

# CE2200

# 9 Contact ways

Sales: sales@flyingvoice.com

Support: support@flyingvoice.com

MSN: e3call@hotmail.com

Skype: flyingvoice\_sales

## Shenzhen

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Add: C-1603, Caizhi International Bldg, No.18 Zhongguancun East Rd

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