

# User Manual

## IP622C/IP622CWP

### V1.0

#### Revision Record:

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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 **13Wireless** using the **UP and DOWN button**.
- Step 2.Choose **2Wireless 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

EU(1-13)

Internet Connection Type

Automatic Configuration - DHCP

DNS Type

Auto

Primary DNS

0

.

0

.

0

.

0

Second DNS

0

.

0

.

0

.

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        |  |

words will get larger, following is one

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

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

Step 3. Press the  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  button to connection

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

Authentication:

Encryption: ☒ TKIP ☐ AES

Password:

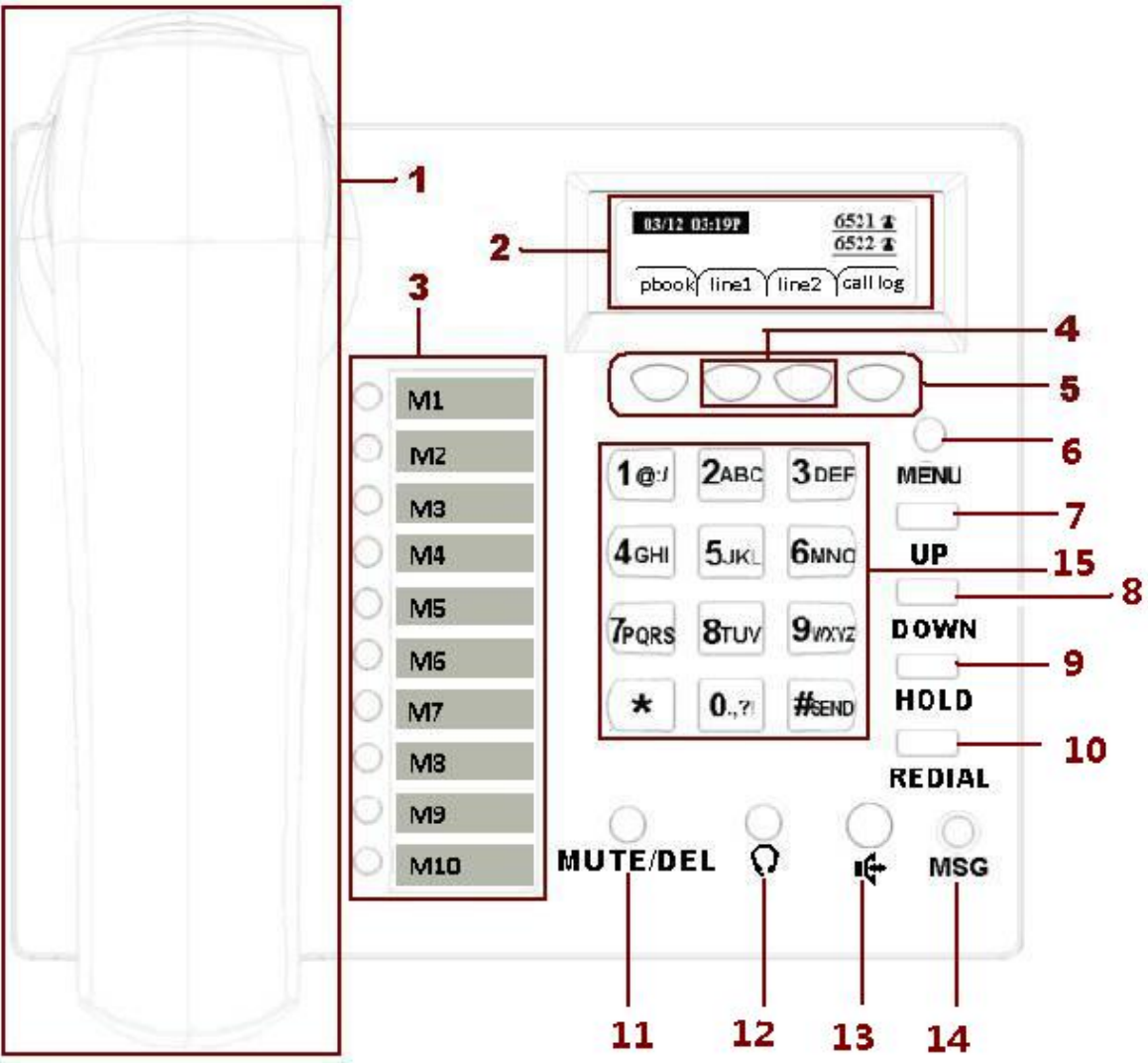
Step 5. If the AP has connected, then connection status will change like following picture and the icon of wireless will display linked.

**Wireless Connection**

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

# 3 Get Familiar with IP622C/IP622CWP

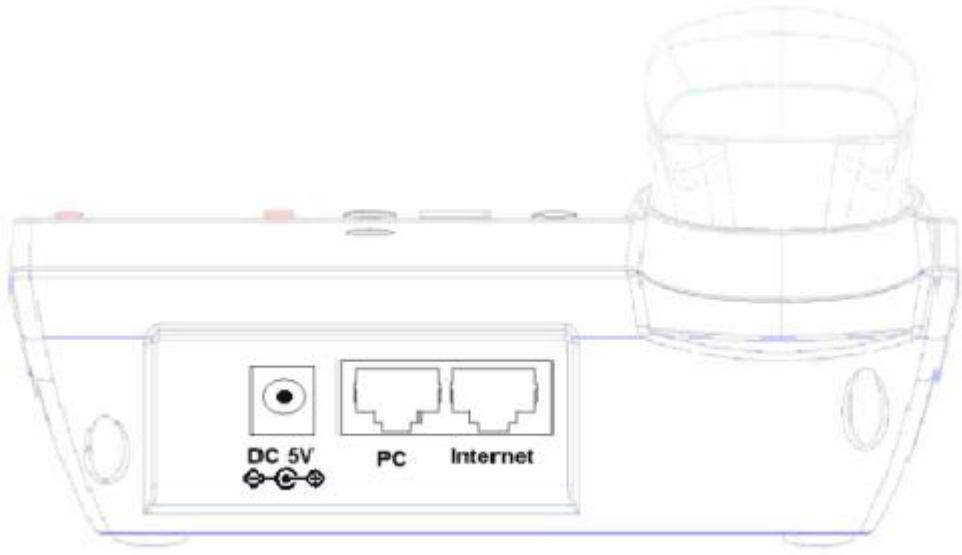
## 3.1 Front Panel

| 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 cradle bottom | 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                                                                                                                                                                                                                                                      |
|                                                                                    |  | 2   | Headset               | To mount mouthpiece and earpiece on the single handle.                                                                                                                                                                                                                                       |
|                                                                                    |  |     | 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><br>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.<br>The LEDs under the keys used to display the status of each extension, please refer to <b>3.3 LCD indicator</b> |
|                                                                                    |  |     |                       |                                                                                                                                                                                                                                                                                              |
|                                                                                    |  |     |                       |                                                                                                                                                                                                                                                                                              |

Picture 1

|  |    |                |                                                                                                                                                                                                         |
|--|----|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 5  | Soft keys      | These keys are used as soft keys. These can be used for item selection or control on the LCD screen.<br>The softkey' function depends on their corresponding content displayed on the LCD at that time. |
|  | 6  | Menu           | Press it to access to menu items: such as phonebook, multi-functional key, and call history and so on.                                                                                                  |
|  | 7  | UP             | To scroll up or turn up the volume                                                                                                                                                                      |
|  | 8  | DOWN           | To scroll down or turn down the volume                                                                                                                                                                  |
|  | 9  | Hold           | The Hold key is used to hold the current call, press it again to release the hold function.                                                                                                             |
|  | 10 | Redial         | The Redial key is used to redial the last dialed number automatically.                                                                                                                                  |
|  | 11 | Mute/Del       | ✧ During an active call, press it to mute the current call.<br>✧ When input text, press it to delete a digit or number.                                                                                 |
|  | 12 | Headset        | Press it to use headset.                                                                                                                                                                                |
|  | 13 | Handsfree      | Press it to use Handsfree                                                                                                                                                                               |
|  | 14 | MSG            | ✧ The LED is to indicate call and voicemail status. Please refer to <b>3.3 LCD indicator</b>                                                                                                            |
|  | 15 | 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

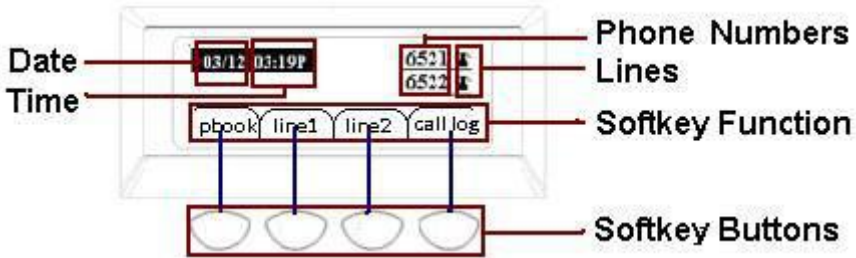
| LED | Color                                                                               | Status    | Description                                 |
|-----|-------------------------------------------------------------------------------------|-----------|---------------------------------------------|
| 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 |
| <br>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                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Date             | To display the current date.<br>Date format is mm/dd                                                                                                                                                                                                             |
|                                                                                     | Time             | To display the current time.<br>Time format is mm:ss (A or P)                                                                                                                                                                                                    |
|                                                                                     | Phone Numbers    | To display the phone number of lines.                                                                                                                                                                                                                            |
|                                                                                     | Lines            | To display the status of lines.<br>The icon  means unregistered.<br>The icon  mean registered. |
|                                                                                     | Softkey Function | To display the current softkey function.                                                                                                                                                                                                                         |
|                                                                                     | Softkey Buttons  | You can use the softkey button to highlight the item displayed on the LCD screen and then configuration.<br>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<br>(LCD display)                     | Menu Items<br>(LCD display) | Submenu Items<br>(LCD display) | Explanation                                                                                                                                                                              |
|------------------------------------------------|-----------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1Phonebook                                     | 1.1NewEntry                 |                                | User can view, add, edit, and delete phonebook by using the four softkey.<br>User can also make call, and send text message directly using the four softkey.<br>The Max records are 500. |
| 2<br>Multi-Functional<br>Key(need<br>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<br>(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<br>(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.<br>The password of LCD is same as the one of Webpage.<br>Default is admin.                                                           |
| 19LCD Contrast    |                         |  | To view and change the contrast of LCD.                                                                                                                 |
| 20Login/Logout    |                         |  | Press it to logout LCD.<br>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:   set the hot line number is 511.

Example 2:   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 AnswerEnable

Auto Answer by CallINFODisable

Dial Time Out(IDT)5

Call Immediately Key#

Auto Hookon ModeEnable

Preferred Audio DeviceDisable

ICMP PingDisable

Escaped char enableDisable

### 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 BoardBasic 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 selects **3Call History**.

Step 3. Then selects **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 selects **3Call History**.

Step 3. Then selects **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  button to save changes and then press  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 1/2webpage**, 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.



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:

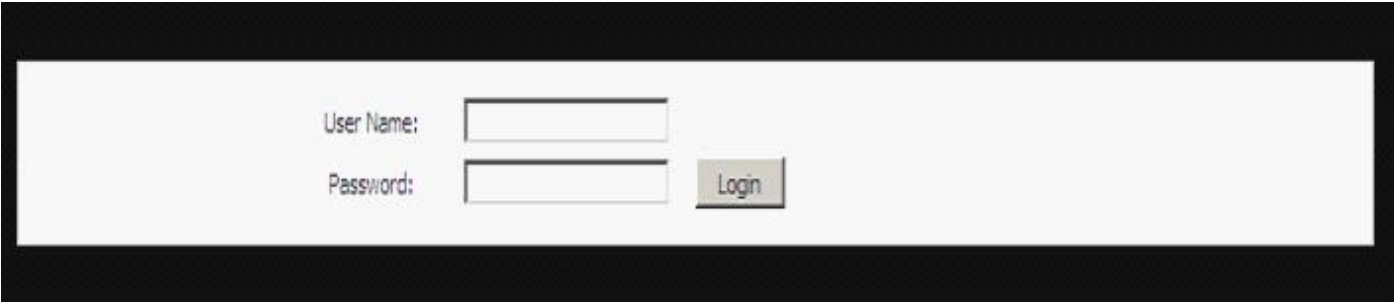
Default Internet Connection Type: **DHCP**

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**



# 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                                                                                                                                                                                 |
|     |                     | <div>Please REBOOT to make the changes effective!</div> <div><div>Save</div><div>Please REBOOT to make the changes effective!</div></div> <div><div>Save</div><div>Cancel</div><div>Reboot</div></div> |

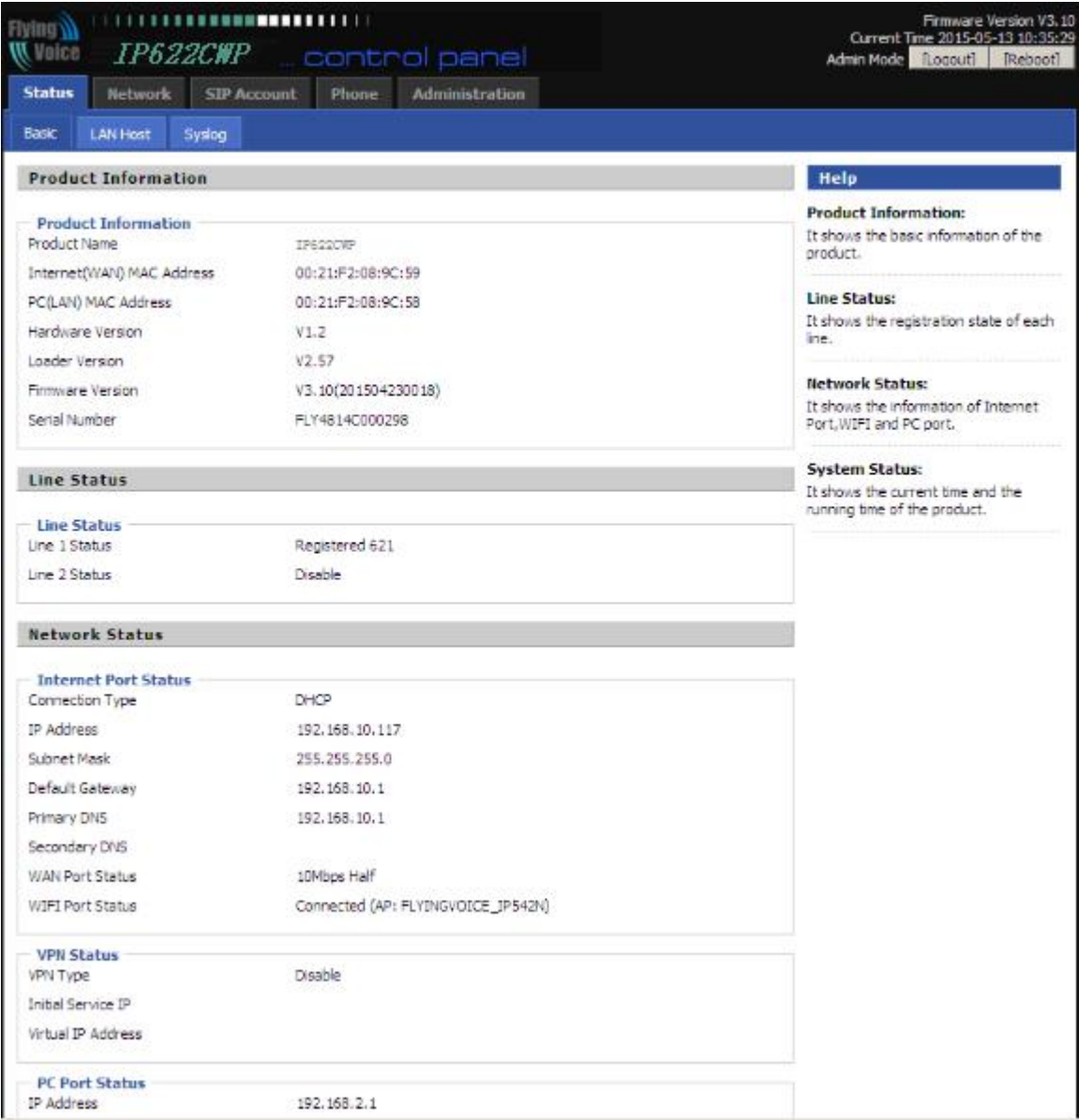
|  |                   |                                    |
|--|-------------------|------------------------------------|
|  | <div>Cancel</div> | To cancel the changes.             |
|  | <div>Reboot</div> | Press it to reboot IP622C/IP622CWP |

# 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.



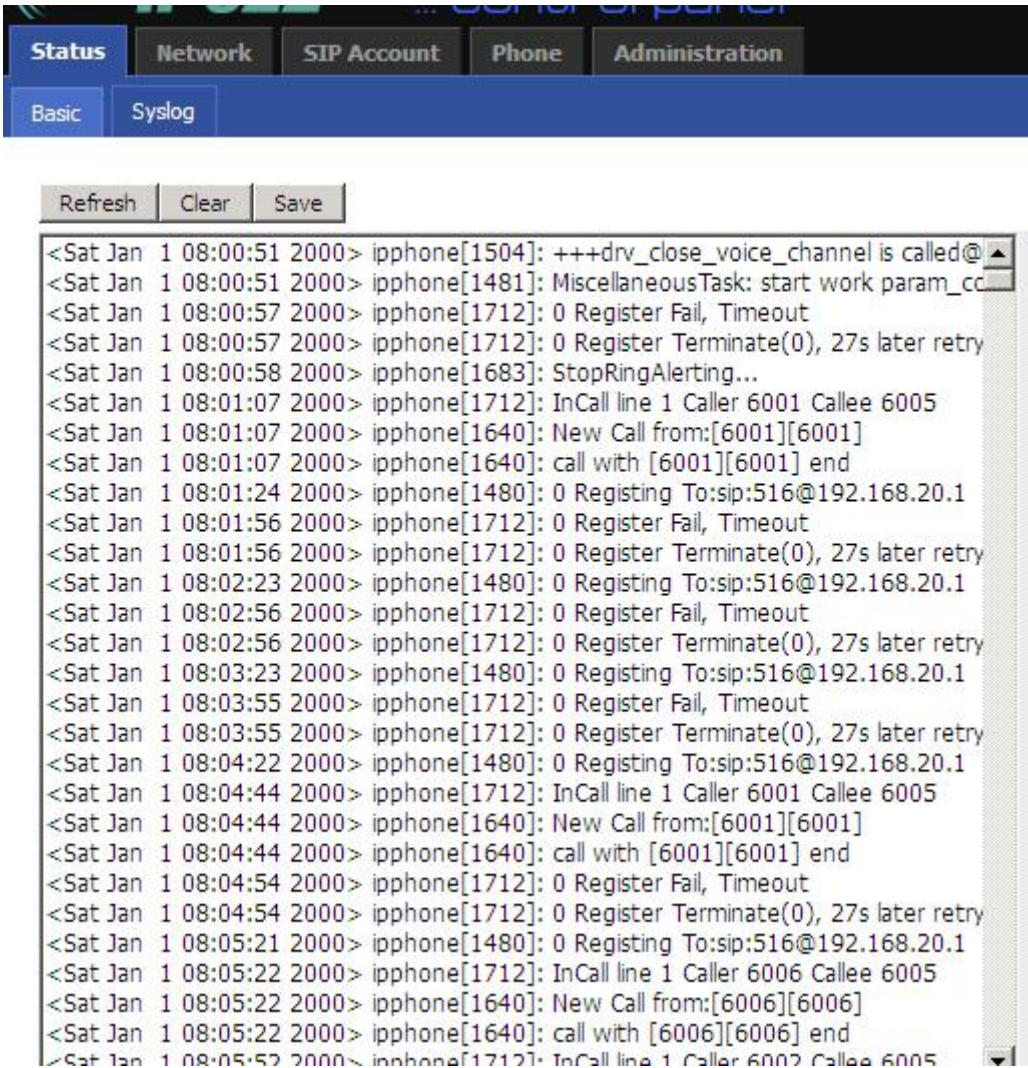
# 7.4.2 Syslog

This page displays the log of system.

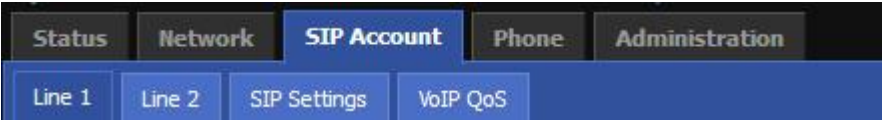
User can press **Clear** button to clear all information.

Click **Refresh** button to refresh syslog.

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



# 7.5 SIP Account



## 7.5.1 SIP Settings

### 7.5.1.1 SIP Parameters

SIP Parameters

SIP Parameters

SIP T1

500

MS

Max Forward

70

SIP Reg User Agent Name

Max Auth

2

Mark All AVT Packets

Enable

RFC 2543 Call Hold

Enable

SRTP

Disable

SRTP Prefer Encryption

AES\_CM

Service Type

Common

### 7.5.1.2 NAT Traversal

| Webpage                                                                                                                                                                                                                                                         | Field Name                 | Description                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>NAT Traversal</div><div><div>NAT Traversal</div><div><div>NAT Traversal</div><div>Disable</div><div>STUN Server Address</div><div></div><div>NAT Refresh Interval(sec)</div><div>60</div><div>STUN Server Port</div><div>3478</div></div></div></div> | NAT Traversal              | If or not enable NAT.<br>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                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Basic</div><div><div>Basic Setup</div><div>Line Enable<div>Enable</div></div><div>Outgoing Call without Registration<div>Disable</div></div></div><div><div>Proxy and Registration</div><div>Proxy Server<div>192.168.10.1</div></div><div>Proxy Port<div>5060</div></div><div>Outbound Server<div></div></div><div>Outbound Port<div>5060</div></div><div>Backup Outbound Server<div></div></div><div>Backup Outbound Port<div>5060</div></div></div><div><div>Subscriber Information</div><div>Display Name<div>621</div></div><div>Phone Number<div>621</div></div><div>Account<div>621</div></div><div>Password<div>.....</div></div></div></div> | Line Enable                        | If or not enable Line1                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Outgoing Call without Registration | <div>If or not enable PEER to PEER</div> <div>◆ If enable, Line1 will not send register request to SIP server;</div> <div>◆ In System Status, SIP-1 Status is Registered; SIP-1 can make call out, but others can not call SIP-1.</div> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 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

Codec Setup

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                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Supplementary Service Subscription</div> <div>Supplementary Services</div> <div><div>Call Waiting</div><div>Enable</div><div>Hot Line</div><div></div><div>MWI Enable</div><div>Disable</div><div>Voice Mailbox Numbers</div><div></div></div> | Call Waiting          | If or not enable Call waiting.                                                                                                                   |
|                                                                                                                                                                                                                                                     | Hot Line              | Fill in the hot line number.<br>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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>SIP Advanced Setup</div><div><div><div>Domain Name Type</div><div>Enable</div></div><div><div>Signal Port</div><div>5060</div></div><div><div>RFC2833 Payload(&gt;=96)</div><div>101</div></div><div><div>Caller ID Header</div><div>FROM</div></div><div><div>Session Refresh Time(sec)</div><div>0</div></div><div><div>SIP 100REL Enable</div><div>Disable</div></div><div><div>Initial Reg With Authorization</div><div>Disable</div></div><div><div>NAT Keep-alive Interval(10-60s)</div><div>15</div></div><div><div>Anonymous Call Block</div><div>Disable</div></div><div><div>Use OB Proxy In Dialog</div><div>Disable</div></div><div><div>Dial Prefix</div><div></div></div><div><div>Hold Method</div><div>ReINVITE</div></div><div><div>Only Recv Request From Server</div><div>Disable</div></div><div><div>SIP Received Detection</div><div>Disable</div></div><div><div>SIP Encrypt Type</div><div>Disable</div></div><div><div>Country Code</div><div></div></div><div><div>Tel URL</div><div>Disable</div></div></div><div><div><div>Carry Port Information</div><div>Disable</div></div><div><div>DTMF Type</div><div>RFC2833</div></div><div><div>Register Refresh Interval(sec)</div><div>3600</div></div><div><div>Remove Last Reg</div><div>Disable</div></div><div><div>Refresher</div><div>UAC</div></div><div><div>SIP OPTIONS Enable</div><div>Disable</div></div><div><div>Reply 182 On Call Waiting</div><div>Disable</div></div><div><div>Anonymous Call</div><div>Disable</div></div><div><div>Proxy DNS Type</div><div>A Type</div></div><div><div>Reg Subscribe Enable</div><div>Disable</div></div><div><div>User Type</div><div>IP</div></div><div><div>Request-URI User Check</div><div>Disable</div></div><div><div>Server Address</div><div></div></div><div><div>VPN</div><div>Disable</div></div><div><div>RTP Encrypt Type</div><div>Disable</div></div><div><div>Remove Country Code</div><div>Disable</div></div></div></div> |  |                                                                                                                                                                                                                 |
| Payload (>=96)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                 |
| Register Refresh Interval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | The interval between two normal Register messages. You can use the default setting.                                                                                                                             |
| RTP Port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Set the port to send RTP.<br>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 |
|---------|------------|-------------|
|---------|------------|-------------|

|                                                                                                                                                                                                                                                                                            |              |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------|
| <div><div><div>StatusNetworkSIP AccountPhoneAdministration</div><div>Line 1Line 2SIP SettingsVoIP QoS</div><div>Please REBOOT to make the changes effective!</div><div>QoS Settings</div><div>Layer 3 QoS</div><div><div>SIP QoS(0-63)46</div><div>RTP QoS(0-63)46</div></div></div></div> | 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.

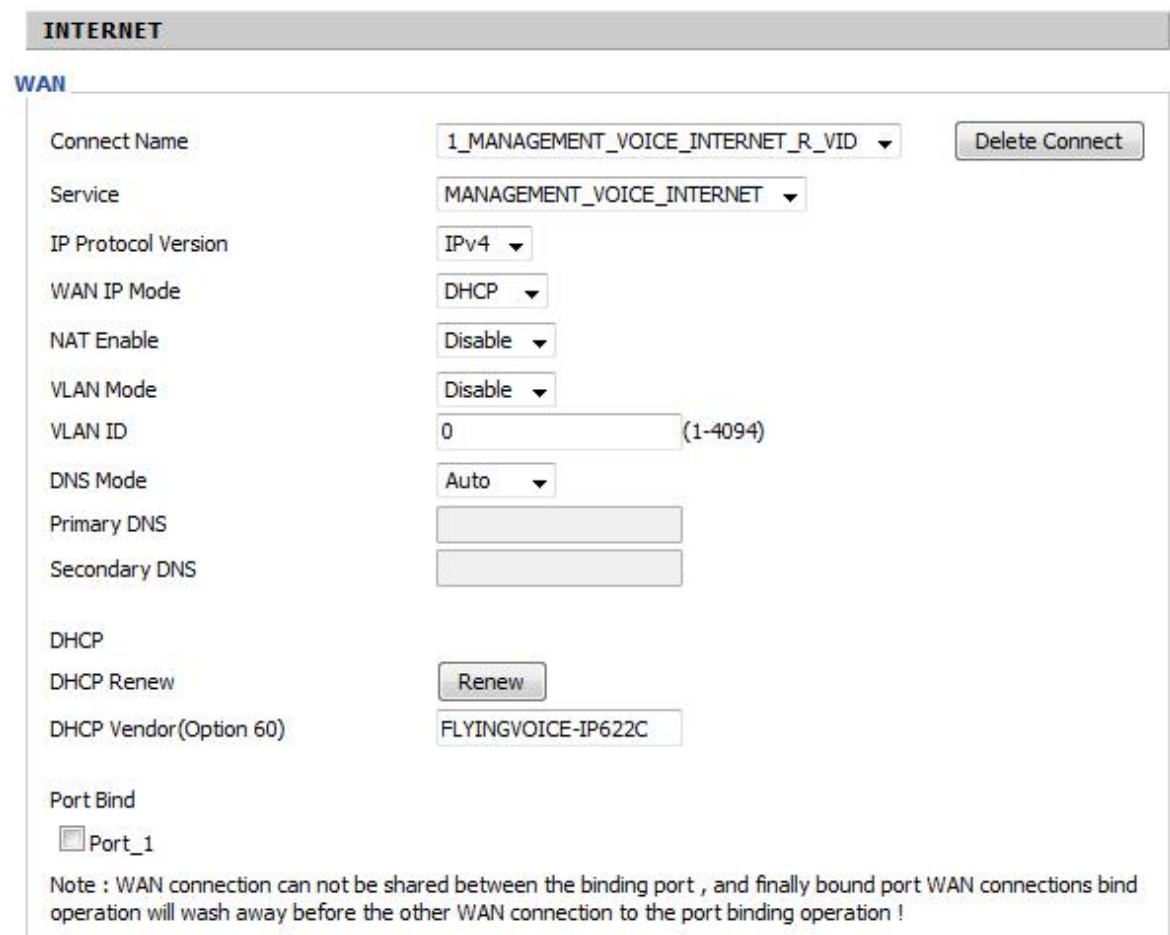
| Webpage                                                                                                                                                                                                                                                                                                                 | Field Name      | Description                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------|
| <div><div>INTERNET</div><div>WAN</div><div><div>Connect Name1_MANAGEMENT_VOICE_INTERNET_R_VIDDelete Connect</div><div>ServiceMANAGEMENT_VOICE_INTERNET</div><div>IP Protocol VersionIPv4</div><div>WAN IP ModeStatic</div><div>NAT EnableEnable</div><div>VLAN ModeDisable</div><div>VLAN ID1(1-4094)</div></div></div> | 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.

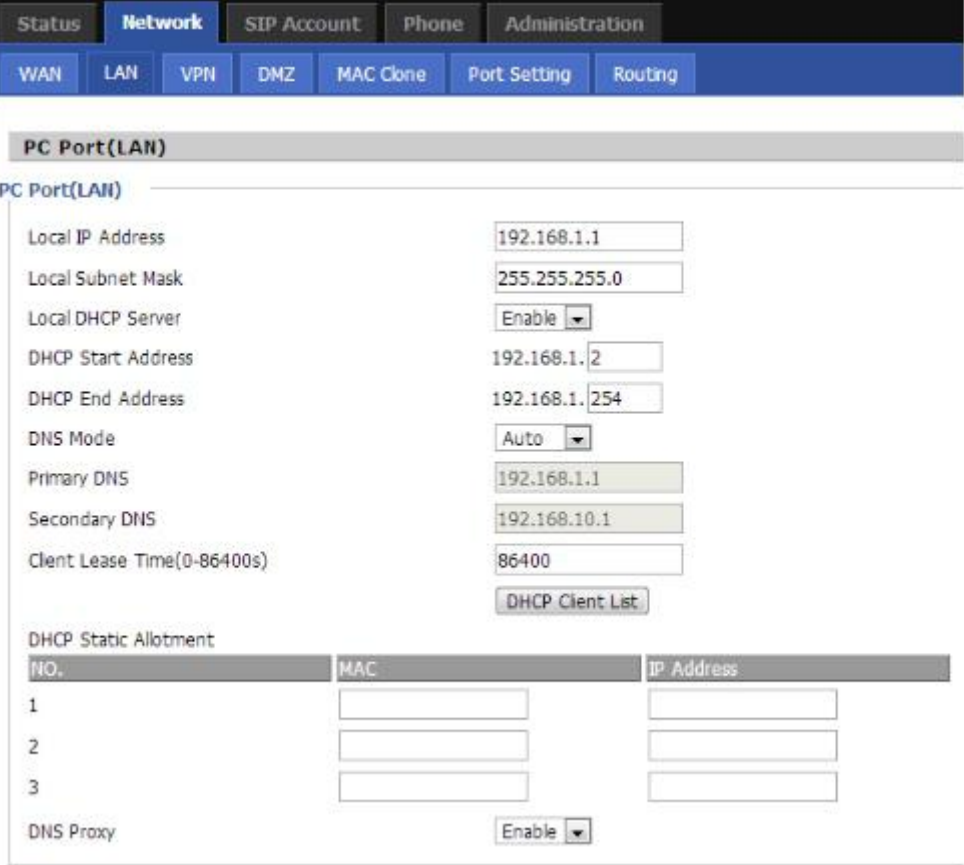
IP phone will get the IP Address, Subnet Mask and Default Gateway from the DHCP server.

| Webpage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Field Name    | Description                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <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: DHCP</p> <p>NAT Enable: Disable</p> <p>VLAN Mode: Disable</p> <p>VLAN ID: 0 (1-4094)</p> <p>DNS Mode: Auto</p> <p>Primary DNS: [ ]</p> <p>Secondary DNS: [ ]</p> <p>DHCP</p> <p>DHCP Renew: Renew</p> <p>DHCP Vendor (Option 60): FLYINGVOICE-IP622C</p> <p>Port Bind</p> <p><input 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 Automatic Configuration-DHCP.                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DNS Mode      | Choose DNS type from Manual and Automatic<br>◆In Manual: user should set the Primary DNS and Second DNS manually.<br>◆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.                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                                                                                                                                                      |

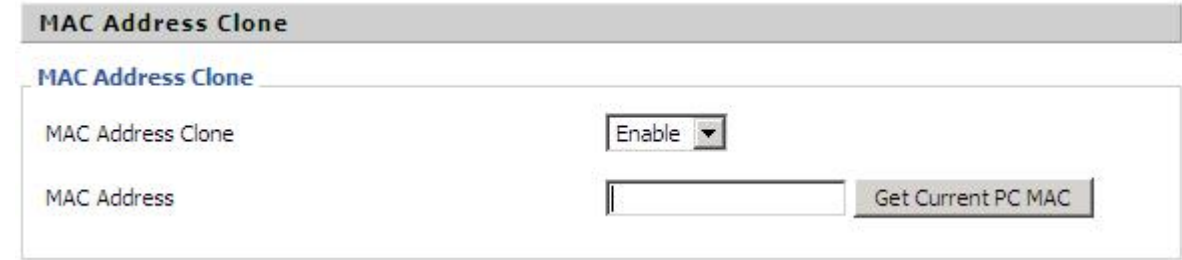
PPPoE:

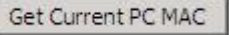
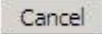
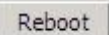
| Webpage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Field Name       | Description                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>INTERNET</div><div>WAN</div><div><div>Connect Name</div><div>1_MANAGEMENT_VOICE_INTERNET_R_VID</div><div>Delete Connect</div></div><div><div>Service</div><div>MANAGEMENT_VOICE_INTERNET</div></div><div><div>IP Protocol Version</div><div>IPv4</div></div><div><div>WAN IP Mode</div><div>PPPoE</div></div><div><div>NAT Enable</div><div>Enable</div></div><div><div>VLAN Mode</div><div>Disable</div></div><div><div>VLAN ID</div><div>1</div><div>(1-4094)</div></div><div><div>DNS Mode</div><div>Auto</div></div><div><div>Primary DNS</div><div></div></div><div><div>Secondary DNS</div><div></div></div><div><div>PPPoE</div></div><div><div>PPPoE Account</div><div>admin</div></div><div><div>PPPoE Password</div><div>*****</div></div><div><div>Confirm Password</div><div>*****</div></div><div><div>Service Name</div><div></div><div>Leave empty to autodetect</div></div><div><div>Operation Mode</div><div>Keep Alive</div></div><div><div>Keep Alive Redial Period(0-3600s)</div><div>5</div></div><div><div>Port Bind</div><div><input checked="" type="checkbox"/> Port_1</div></div><div>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 !</div></div> | Internet         | Choose PPPoE.                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DNS Mode         | Choose DNS type from Manual and Automatic<br>◆In Manual: user should set the Primary DNS and Second DNS manually.<br>◆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.<br>◆When the mode is Keep Alive, user need specify the keep alive redial period, arranges are 0~3600s, default is 5min.<br>◆ When the mode is on demand, user need specify the on demand idle time, arranges are 0~60min, default is 5min.<br>◆When the mode is manual, user need not to input this. |

7.6.1.2 PC Port (LAN)

| Webpage                                                                             | Field Name                   | Description                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Local IP address             | Set the IP address of PC port.<br>Efficient when user choose NAT.                                                                                                                                                      |
|                                                                                     | Local Subnet Mask            | Set the subnet mask of PC port.<br>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<br>◆ In Manual: user should set the Primary DNS and Second DNS manually.<br>◆ 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>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> |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <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.</p>                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <p>Step 1 Press  button to get the PC’s MAC address</p> <p>Step 2 Press  to save the changes</p> <p>Step 3. Press  to cancel MAC address clone.</p> <p>Step 4. Press  to reboot IP622C/IP622CWP.</p> |

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

WPAPSK

Encryption



 TKIP 



 AES

Password

OK

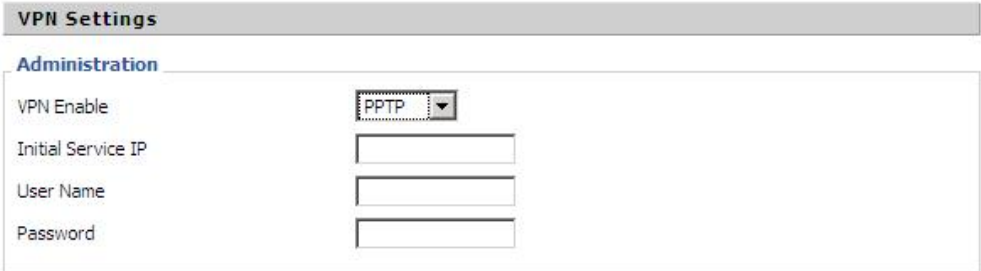
Cancel

| 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<br> Stand for the phone have connect to AP<br> Stand for the the strength Wireless signal |
| Authentication                                                                        | Wireless encryption type                                                                                                                                                                                                                                                                  |
| ENcryption                                                                            | ENcryption                                                                                                                                                                                                                                                                                |
|  | Click to connect                                                                                                                                                                                                                                                                          |
|  | Cancel the connect                                                                                                                                                                                                                                                                        |

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

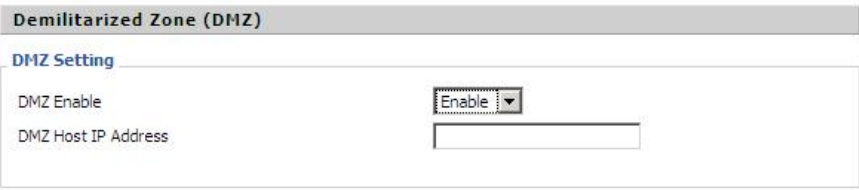
7.6.4 VPN

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.

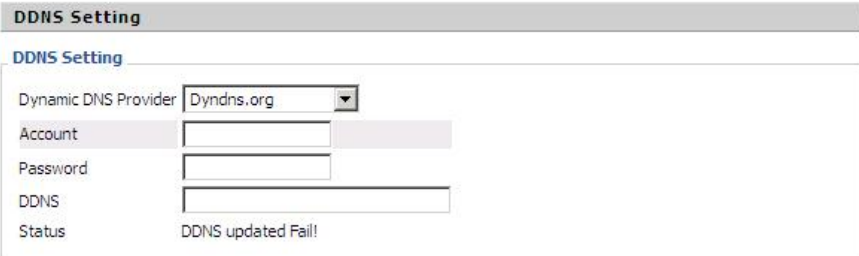
| Webpage                                                                              | Field Name         | Description                                                                   |
|--------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------|
|  | VPN Enable         | If or not enable VPN.<br>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

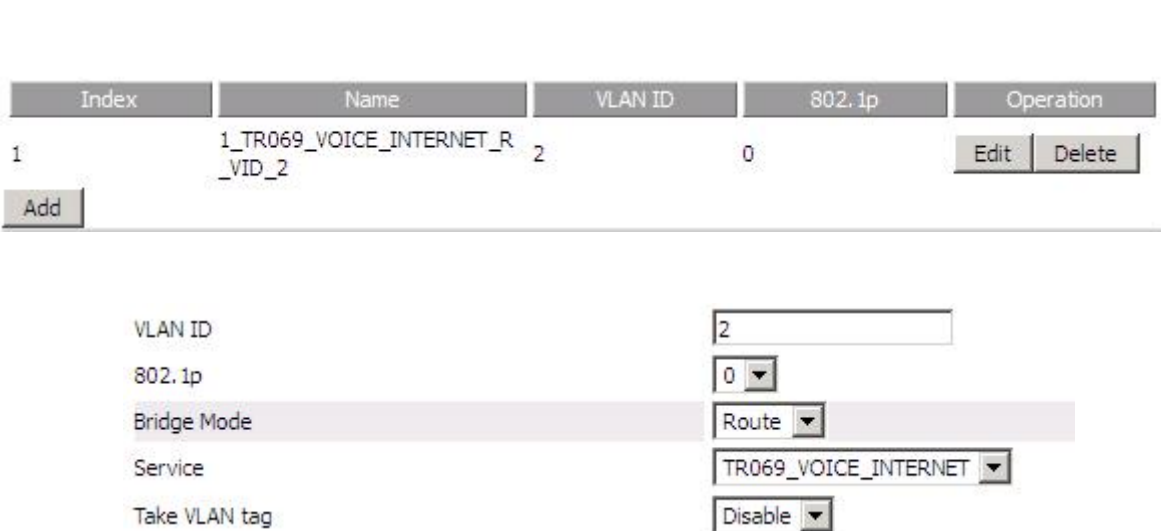
IP622C/IP622CWP provides a facility DMZ Host that maps ALL unsolicited data on any protocol to a single host in the LAN. Regular web surfing and other such Internet activities from other clients will continue to work without inappropriate interruption. DMZ Host allows a defined internal user to be totally 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

Tone Type

USA

Dial Tone

Busy Tone

Off Hook Warning Tone

Ring Back Tone

Call Waiting Tone

Min Jitter Delay(ms)

0

Max Jitter Delay(ms)

80

Ringing Time(Sec)

60

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Warning Tone          |                                                                                                            |
| Ring Back Tone        | Ring back tone                                                                                             |
| Call Waiting Tone     | Call Waiting tone.                                                                                         |
| Min Jitter Delay (ms) | The Min value of IP622C/IP622CWP's jitter delay, IP622C/IP622CWP's jitter is an adaptive jitter mechanism. |
| Max Jitter Delay (ms) | The Max value of IP622C/IP622CWP's jitter delay, IP622C/IP622CWP's jitter is an adaptive jitter mechanism. |
| Ringing Time(Sec)     | How long IP622C/IP622CWP will ring                                                                         |

7.7.1.3 Call Forward

| Webpage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Field Name   | Description          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|
| <div><div>Call Forward</div><div><div>All Forward</div><div></div><div>Busy Forward</div><div></div><div>No Answer Forward</div><div></div><div>No Answer Timeout</div><div>20</div></div></div> <div><div>Feature Code</div><div><div>Cfwd All On Code</div><div></div><div>Cfwd All Off Code</div><div></div><div>Cfwd Busy On Code</div><div></div><div>Cfwd Busy Off Code</div><div></div><div>Cfwd No Ans On Code</div><div></div><div>Cfwd No Ans Off Code</div><div></div><div>DND On Code</div><div></div><div>DND Off Code</div><div></div><div>Unpark Code</div><div></div></div></div> | Features     | All Forward          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Features     | Busy Forward         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | No Answer Forward    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Call Forward | All Forward          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Busy Forward         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | No Answer Forward    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Feature Code | No Answer Timeout    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Cfwd All On Code     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Cfwd All Off Code    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Cfwd Busy On Code    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Cfwd Busy Off Code   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Cfwd No Ans On Code  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Cfwd No Ans Off Code |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | DND On Code          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | DND Off Code         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Unpark Code          |

7.7.1.4 Miscellaneous

| Webpage                                                                                                                                                                                                                                                                                                                                                                                                   | Field Name              | Description                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Miscellaneous</div> <div><div>Auto Answer</div><div>Disable</div><div>Auto Answer by CallINFO</div><div>Disable</div><div>Dial Time Out(IDT)</div><div>5</div><div>Call Immediately Key</div><div>#</div><div>Auto Hookon Mode</div><div>Enable</div><div>Preferred Audio Device</div><div>Disable</div><div>ICMP Ping</div><div>Disable</div><div>Escaped char enable</div><div>Disable</div></div> | 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.<br>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:

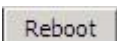
| Key        | Type          | Mode         | Line  | Expansion | Pickup Code |
|------------|---------------|--------------|-------|-----------|-------------|
| Exp Key 1  | Speed Dial    |              | Line1 | 621       |             |
| Exp Key 2  | Speed Dial    |              | Line1 | 622       |             |
| Exp Key 3  | Speed Dial    |              | Line1 | 623       |             |
| Exp Key 4  | Shortcut Keys | Phonebook    |       |           |             |
| Exp Key 5  | Shortcut Keys | Text Message |       |           |             |
| Exp Key 6  | Shortcut Keys | Volume+      |       |           |             |
| Exp Key 7  | Shortcut Keys | Volume-      |       |           |             |
| Exp Key 8  | Disable       |              |       |           |             |
| Exp Key 9  | Disable       |              |       |           |             |
| Exp Key 10 | 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

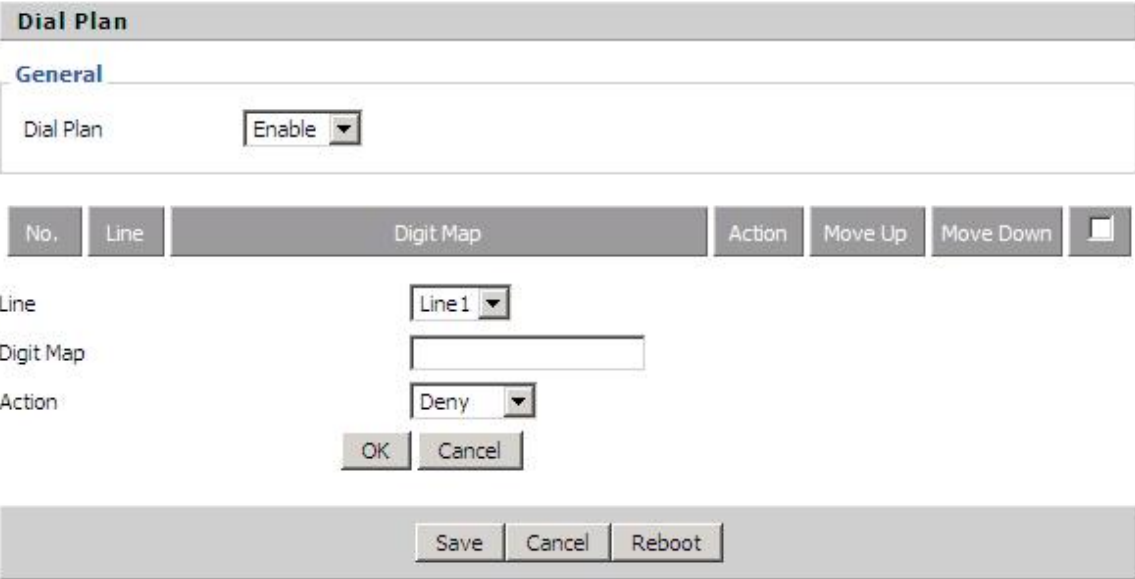
**Adding shortcut key:**

- 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>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.<br><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

Enable

| No. | Line  | Digit Map         | Action   | Move Up | Move Down |                          |
|-----|-------|-------------------|----------|---------|-----------|--------------------------|
| 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

Line1

Deny

OK

Cancel

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<br>* # | Legal characters                                                                                                                                                                                                                                                                                 |
| 2   | X                          | Lowercase letter x stands for one legal character                                                                                                                                                                                                                                                |
| 3   | [sequence]                 | To match one character form sequence.<br>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 $x^0$ , $x^1$ , $x^2$ , $x^3$ ..... $x^n$<br>For example:<br>“01.”: can match ”0”, “01”, “011”, ”0111”, ....., ”01111...”                                                                                                                                                               |
| 5   | <dialed:<br>substituted>   | Replace dialed with substituted.<br>For example:<br><8:1650>123456: input is “85551212”, output is“16505551212”                                                                                                                                                                                  |
| 6   | x,y                        | Make outside dial tone after dialing “x”, stop until dialing character “y”<br>For example:<br>“9,1xxxxxxxxxx”:IP622C/IP622CWP make outside dial tone after inputting “9”, stop tone until inputting “1”<br>“9,8,010x”: make outside dial tone after inputting “9”, stop tone until inputting “0” |
| 7   | T                          | Set the delayed time.<br>For example:<br>“<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 

Enable

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

Edit

Add

Delete

Save

Cancel

Reboot

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<sup>2</sup>** or **3.62222<sup>2</sup>**, IP622C/IP622CWP will call **5622C** or **5622C2** or **5622C22** or **5622222<sup>2</sup>** or **5622222<sup>2</sup>** immediately.

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

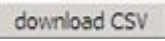
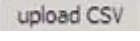
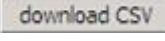
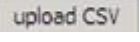
5. Example 5

Using line 1, if user dials **777x<sup>8</sup>**, 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  to save the phonebook to the local PC.<br>Click  to select the phonebook and click  to upload it to the phone.      |
|                                                                                     | Blacklist Upload &&Download | Click  to save the blacklist to the local PC.<br>Click  to select the blacklist and click  to upload it to the phone. |

7.7.4.2 Phonebook

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

Phonebook

| Index | Name   | Number | Ring        |                                     |
|-------|--------|--------|-------------|-------------------------------------|
| 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"/> |

Edit

Add

Delete

Move to blacklist

Picture 2

Name

Tom

Number

516

Ring

Bell Type 1

OK

Cancel

Picture 3

| Index | Name   | Number | Ring        |                                     |
|-------|--------|--------|-------------|-------------------------------------|
| 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"/> |

Edit

Add

Delete

Move to blacklist

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

|  |                                                                               |
|--|-------------------------------------------------------------------------------|
|  | <p>Step 2. Click <b>Move to blacklist</b> button to delete the phone book</p> |
|--|-------------------------------------------------------------------------------|

### 7.7.4.3 Black List

| Webpage                                                                                             | Field Name | Description            |
|-----------------------------------------------------------------------------------------------------|------------|------------------------|
|  <p>Picture 1</p> | Name       | Input the name         |
|                                                                                                     | Number     | Input the phone number |

| <b>Blacklist</b> |      |        |                                     |
|------------------|------|--------|-------------------------------------|
| Index            | Name | Number |                                     |
| 1                | de   | 23     | <input type="checkbox"/>            |
| 2                | fg   | 56     | <input type="checkbox"/>            |
| 3                | hj   | 63     | <input checked="" type="checkbox"/> |

Name

Number

OK

Cancel

Picture 2

**Steps :**

**Adding one Black List:**

Step 1. Click **Add** button, then 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 Black List:**

Step 1. Choose one black list

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

Step 3. Change the value of parameters.

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

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

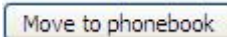
**Deleting one Black List:**

Step 1. Choose one black list

Step 2. Click **Delete** button to delete the black list

**Moving one Black List to phonebook:**

Step 1. Choose one black list

Step 2. Click  button to move the black list to the phonebook

### 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

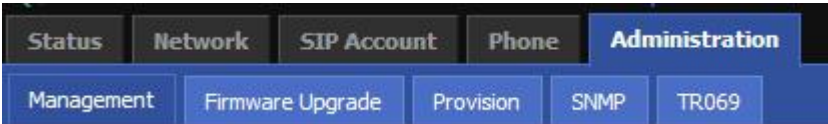
| Answered Calls |      |        |             |          |
|----------------|------|--------|-------------|----------|
| Index          | Name | Number | Start Time  | Duration |
| 1              | 222  | 222    | 04/19 12:29 | 00:00:18 |
| 2              | 111  | 111    | 04/19 12:20 | 00:00:39 |
| 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 | StartTime   | 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                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <div><div><div>Password Reset</div><div><div>User Type</div><div>Admin User</div></div><div><div>New User Name</div><div>admin</div></div><div><div>New Password</div><div></div></div><div><div>Confirm Password</div><div></div></div></div><div><div>Language</div><div>Language</div><div>English</div></div><div><div>VPN Access</div><div>Management Using VPN</div><div>Disable</div></div><div><div>Web Access</div><div><div>Remote Web Login</div><div>Enable</div></div><div><div>Web Port</div><div>80</div></div><div><div>Web Idle Timeout(0 - 60m)</div><div>5</div></div></div></div> | 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                                                               |
|-------------|-------------------------------|---------------------------------------------------------------------------|
| <div></div> | 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

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:**

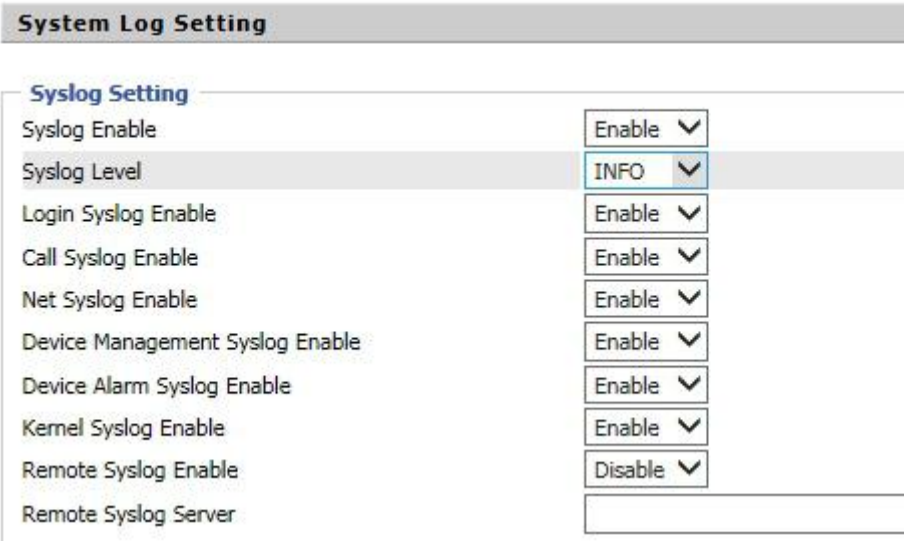
Step 1. Enable Daylight Saving Time.

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                                                                                 |
|------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------|
|  | 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.                                                   |
|                                                                                    |                      |                                                                                             |

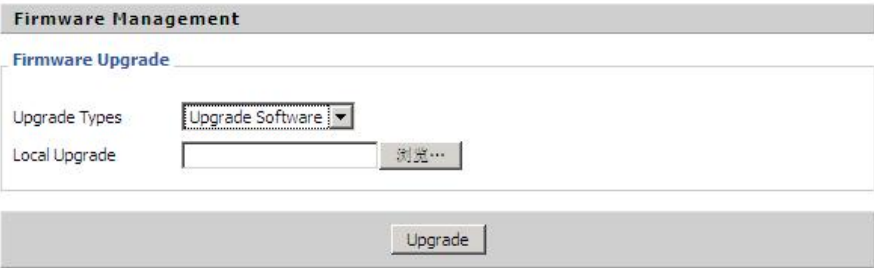
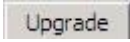
7.8.1.5 Packet Trace

| Webpage                                                                             | Field Name | Description                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |            | 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                                                           |
|-------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------|
|  |            | 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  to browser the upgrade file.</p> <p>Step 2. Press  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<br>Reset | If or not enable resync after IP622C/IP622CWP restart.      |
|         | Resync<br>Random Delay   | Set the maximum delay for request the synchronization file. |

Provision

Configuration Profile

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=\$(N

Firmware Upgrade

Upgrade Enable

Enable

Upgrade Error Retry Delay(sec)

3600

Upgrade Rule

|                           |                                                                                                                                                                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                 |
| Upgrade Rule              | URL of upgrade file                                                                                                                                                                                                                        |

7.8.4 TR069

Webpage

TR069 Configuration

ACS

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

Connect Request

| Field Name               | Description                                                    |
|--------------------------|----------------------------------------------------------------|
| 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 |
|--|----------|---------------------------------------------------------------|

# 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.

Audio Configuration

Codec Setup

|                      |         |                     |          |
|----------------------|---------|---------------------|----------|
| 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    |                     |          |
| Silence Supp Enable: | Disable | Echo Cancel:        | Enable   |

# 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](mailto:sales@flyingvoice.com)

Support: [support@flyingvoice.com](mailto:support@flyingvoice.com)

MSN: [e3call@hotmail.com](mailto:e3call@hotmail.com)

Skype: [flyingvoice\\_sales](https://www.skype.com/people/flyingvoice_sales)

### Shenzhen

Add: Room102, 1F East, Bldg 3#, Minqi Park, Pingshan, Xili, Nanshan Districe, Shenzhen, China

Tel: +86-755-26099365

Fax: +86-755-26099347

### Beijing

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

Tel: +86-10-67886296

Fax: +86-10-67883237