

User Manual

IP622

V1.1

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1 Introduction

1.1 Thanks for Purchasing IP622

Thank you for purchasing IP622. The IP622 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 IP622 provides **Power over Ethernet (PoE)** and 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 IP622 (with PoE) IP Phone Unit
- ◆ Handset and handset cord
- ◆ Headset
- ◆ 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 IP622 is started normally.

Note: 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.

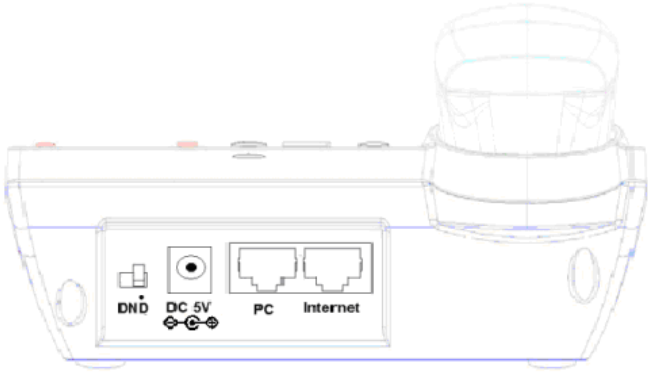
3 Get Familiar with IP622

3.1 Front Panel

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

	5	Soft keys	These keys are used as soft keys. These can be used for item selection or control on the LCD screen. The softkey' function depends on their corresponding content displayed on the LCD at that time.
	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	<ul style="list-style-type: none"> ◇ During an active call, press it to mute the current call. ◇ 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	<ul style="list-style-type: none"> ◇ The key can be used for voicemail selection, press it to access voicemail (must be set up by your phone administrator) ◇ The LED is to indicate voicemail status. Please refer to 3.3 LCD indicator
	15	Numeric Keypad	Enters numeric digits for initiating a call or for entering configuration information.

3.2 Rear Panel

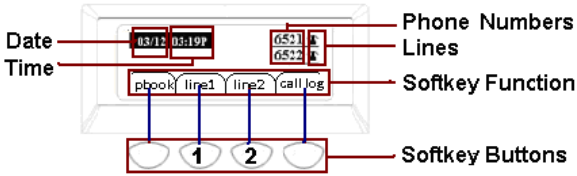


Rear Panel	Part Name	Description of function
	Headset	Headset console, connect to headset
	DND Switch	The Switch is used to turn on or turn off DND. Under the character DND is a dot. When the switch near the dot, DND is on, otherwise DND is off. Taking the left picture for example, DND is on.
	DC 5V	Power port
	PC	Connects to a PC.
	Internet	Connects to the Ethernet switch, router or Internet.

3.3 LEDs Indicator

LED		Color	Status	Description
Multi-Functional Key	Speed Dial	○	OFF	Not configured
		●	Solid Green	Configured, in standby
		●	Solid Red	In use
	BLF	○	OFF	Not configured
		●	Solid Green	Configured, in standby
		●	Blinking Red	A new incoming call in BLF number
			Solid Red	In use
	Shortcut Key	○	OFF	Not configured
		●	Solid Green	Configured

	Pick Up		OFF	Not configured
			Solid Green	Configured
			Solid Red	In use
	Call Park		OFF	Not configured
			Solid Green	Configured
	 VoIP Lines 1/2		OFF	Line disable
		Solid Light Red	Not registered	
		Solid Green	Registered, line is in standby	
		Solid Red	Registered, line is in active call	
MUTE/DEL		OFF	Disable	
		Solid Red	In use, mute is on	
Headset		OFF	Standby	
		Solid Green	In use	
Handsfree		OFF	Standby	
		Solid Green	In use	
MSG		OFF	In-active	
		Blinking Green	An new voicemail	
		Solid Green	No new voicemail	

3.4 Get Familiar with LCD

LCD	Name	Description of function
 <p>The diagram shows a rectangular LCD screen with several fields. At the top left, two fields display '03/12' and '05:19P'. To the right, two fields display '652' and '652'. Below these, four fields display 'pbook', 'line1', 'line2', and 'call log'. Below the screen are two circular softkey buttons labeled '1' and '2'. Blue lines connect the 'pbook' field to button '1' and the 'line1' field to button '2'. Red lines point from labels on the left and right to the corresponding fields and buttons.</p>	Date	To display the current date. Date format is mm/dd
	Time	To display the current time. Time format is mm:ss (A or P)
	Phone Numbers	To display the phone number of lines.
	Lines	To display the status of lines. The icon  means unregistered. 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. 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 configuration the phonebook, multi-functional keys, network, accounts, factory default and so on.

4.1 Items

The table below lists Menu items which IP622 included:

Main menu (LCD display)	Menu Items (LCD display)	Submenu Items (LCD display)	Explanation
1Phonebook	1.1NewEntry		User can view, add, edit, and delete phonebook using the five softkey. User can also make call, and send text message directly using the five softkey. The Max records are 100.
2Multi-Functional Key	2.1Exp Key 1		To configuration 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 100 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.
	4.2Recived Box		To list the latest 100 records of received message and sent message.
	4.3SentBox		
5BlackList	5.1NewEntry		To configuration the blacklist, max record is 100.
6Preferences	6.1Call Waiting		To enable or disable call waiting
	6.2Auto Answer		To enable or disable auto answer.
7Ring Tone	7.1Bell Type1		Choose the ring tone from Bell Type1- Bell Type15.
	7.2Bell Type2		
	7.3Bell Type3		
	7.4Bell Type4		
	7.5Bell Type5		
	7.6Bell Type6		
	7.7Bell Type7		
	7.8Bell Type8		
	7.9Bell Type9		
	7.10Bell Type10		
8Volume Setting			To turn up or turn down volume.
9Accounts	9.1Line 1	9.1.1Account	To enable/disable line1.

(need password)		Enable	
		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 Domain Name	To set the SIP domain name or domain name of line1.
		9.1.7SIP Server	To set the SIP server IP address of line1.
		9.1.8SIP Server Port	To set the SIP server port of line1.
		9.1.9Outbound Proxy	To set the outbound proxy IP address or domain name of line1.
		9.1.10Outbound Proxy Port	To set the outbound proxy port of line1.
		9.2Line 2	Same to 9.1
10Call Forward	10.1CFWD AllNumber		To set the destination phone number of CFWD AllNumber
	10.2CFWD Busy Number		To set the destination phone number of CFWD Busy Number

	10.3CFWD No AnsNumber		To set the destination phone number of CFWD No AnsNumber
	10.4CFWD No AnsDelay		To set the destination phone number of CFWD No AnsDelay
11Time/Date	11.1Time(H:m:s)		
	11.2Date(m/d/y)		
12Voice Mail	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.
	13.5DNS1		To view the DNS1, or to change the DNS1.
	13.6DNS2		To view the DNS2, or to change the DNS2.
	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.
	13.12VLANID		To view the VLANID, or to change the VLANID.
	13.13802.1p 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 and MAC Address.
	14.2Software Version		
	14.3Hardware Version		
	14.4MAC Address		
15Status	15.1Account1Status		To view the current information about the status of account1/2/3/4/5.
	15.2Account2Status		
	15.3Account3Status		
	15.4Account4Status		
	15.5Account5Status		
16Reboot			To reboot IP622.
17Factory Default			To set IP622 factory default.
18Set Password			To reset password. The password of LCD is same as the one of Webpage.

			Default is null.
19LCD Contrast			To view and change the contrast of LCD.
20Login/Logout			<p>Press it to logout LCD.</p> <p>IP622 will memory the password if user has input the password when access to 9Accounts and IP622 will not request the password if user access to it again.</p> <p>Press 20Login/Logout to erase memory, and then user should input password when user access to 9Accounts again.</p>

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 **en softkey button** to change the input method between digit, capital letter and small letter.
- 4) Use the **up** and **down softkey 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 null.

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, IP622 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, IP622 will dial out the phone number

Step 3. Press the speaker button and dial phone number, followed by the # or wait 5 seconds, IP622 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 you PC using IP622 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 **en 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

Adding a speed dial:

Below are the steps to add a speed dial from menu, User can also set speed dial from you PC using IP622 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 7.6.3 Dial Plan

Using dial plan to make call:

Dial the phone number according to one dial plan.

5.2.7 Using Delayed hotline

Add the delayed hotline from **SIP Account/Account1/2** webpage, **User** column, below is one example:

Step 1. Open **SIP Account/Account1/2** webpage, **User** column

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

Example 1: Delayed Hot Line: set the delayed hotline number is 111.

Example 2: Delayed Hot Line: set the delayed hotline number is 111 and delayed time is 4 seconds.

5.2.8 Answering a Telephone Call

When a call is incoming, the associated line 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. Auto-answer: if auto-answer is enabling, IP622 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.

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

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-functional key:

Step 1. Choose two multi-functional key (assuming the two multi-functional keys are Exp Key 1 and Exp Key 2), and configuration as follows:

Current Key Board Basic Board

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

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

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

5.4 Black List

If user added a black list, IP622 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 IP622'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. Log on 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 IP622 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 "#", IP622 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 configuration 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 Number—Forwards all calls to a single number immediately when there is an incoming call.
- CFWD Busy Number—Forwards all calls to another number when the phone is busy.
- CFWD No Ans Number—Forwards calls to another number if there's no answer at your phone.
- CFWD No Ans Delay—the seconds to delay forwarding calls, if there is no answer at your phone.

Step 3. 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 incoming, and the associate line button 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/Account X (1/2)** webpage, **User** column.

5.12 Ending a Call

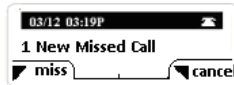
To end a handset call, hang up the handset.

To end a speakerphone call, press the speaker button.

To end a headset call, press the headset button.

5.13 Viewing and Returning Missed Calls

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



To return a missed call:

- If the LCD screen shows a missed call:

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

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

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

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

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

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

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

To view a list of all missed calls:

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

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

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

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

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

5.14 Text Message

5.14.1 Sending Message

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

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

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

Note: When inputting text, use the **en softkey button** to change the input method among numbers, capital and lowercase English letters, **en** stands lower case, **EN** stands capital letter, and **num** stands digit

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

Note: IP622 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 **4Text Message** by using the **up button** or the **down button**.

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

Note: 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.

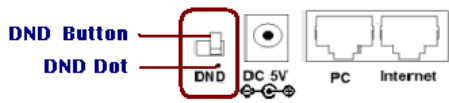
Step 3. Press the **select softkey button** to access to the next item. Choose the message you want to read by using the **up button** or the **down**

button.

5.15 DND (Do Not Disturb)

Use the Do Not Disturb feature to prevent incoming calls from ringing your phone.

To enable Do Not Disturb, push the DND button to the side near the DND dot, below is one picture:



6 Using Advanced Phone Functions

6.1 Speed Dials

Creating Speed Dials:

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

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

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

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

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

Using Speed Dials:

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

6.2 BLF (Busy Lamp Field)

Your system administrator may configure your phone so that you can monitor other user's phones from your phone. User can create BLF from **Menu/Multi-functional key** or from your PC in **Phone/Multi-Functional Key** webpage.

If this feature is configured, some multi-functional key buttons on your phone are assigned to display the status of another user's phone. For example, if your one multi-functional key is configured to display Bob's phone line, the associate multi-functional key shows you the status of his phone line:

- ◆ Green: Line is idle.
- ◆ Red (steady): Line is active or in use.

- ◆ Red (blinking): Line is ringing.

In addition, if you have configured the pickup code in BLF, you can press the same multi-functional button to pick up a ringing call at his extension.

The example below describes the steps to configuration the pickup in BLF from Webpage, user can also configuration from **MENU**.

Configure the pickup code in BLF:

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

Step 2. Then configures one Exp key to BLF, and set **Pickup Code** (you can get the pickup code from your administrator). The following picture is a setting example based on Asterisk

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

Key	Type	Mode	Line	Expansion	Pickup Code
Exp Key 1	BLF		Line 2	003	*8

To pick up a ringing call:

Step 1. Assuming a ringing call at **003** and the associate LED is blinking.

Step 2. Press **2** **line2** button, and then press the **Exp key 1** button to pickup the call.

6.3 Shortcut Key

The steps below described how to configuration the shortcut key from Webpage, user can also configuration from **MENU**.

Creating Shortcut Key:

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

Step 2. Then configures the Exp keys to shortcut key, and set as you need. The following picture is a setting example:

Key	Type	Mode	Line	Expansion	Pickup Code
Exp Key 1	Shortcut Key	Phonebook			
Exp Key 2	Shortcut Key	Call History			
Exp Key 3	Shortcut Key	Text Message			
Exp Key 4	Shortcut Key	Volume+			
Exp Key 5	Shortcut Key	Volume-			
Exp Key 6	Shortcut Key	Login/Logout			

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

Using shortcut Key:

Press the Exp Key 1, then the LCD will display the phonebook item immediately, and user can configuration it, the steps are same as configuration from menu.

Press the next Exp Keys, and the LCD will display the corresponding item immediately, and user can also configuration it.

6.4 Pickup

The function of pickup is similar to the speed dial.

The example below describes the steps to configuration the pickup from Webpage, user can also configuration from **MENU**.

Adding pickup:

Step 1. Log in the web, open **Phone/Multi-functional Key** webpage.

Step 2. Choose one Exp key (assuming is Exp Key 3), and configuration as follows, user can refer to **7.6.2 Multi-functional Key**:

Exp Key 3 Call Pickup Line 1 010235689

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

Using pickup:

Press the **Exp Key 3** button (the configured multi-functional key) to ring 010235689 quickly.

6.5 Call Park

Call Park is a feature of some telephone systems that allows a person to put a call on hold at one telephone set and continue the conversation

from any other telephone set.

During an active call, pressing one preprogrammed multi-functional key button to transfer the current telephone conversation to an unused extension number and immediately puts the conversation on hold. The telephone system will then display the extension number of the parked call so that the call can later be retrieved.

If no one picks up the parked call within the set time, the telephone system may ring back the parked call. This transfers the parked call back to the person who originally parked the call.

The example below describes the steps to configuration the call park from Webpage, user can also configuration from **MENU**.

Adding Call Park:

Step 1. View the parking settings in server, below is an example in **TrixBox**

Parking Lot Configuration

Parking Lot Options

Enable Parking Lot Feature

Parking Lot Extension: 70

Number of Slots: 8

Parking Timeout: 45 seconds

Parking Lot Context: parkedcalls

Step 2. Log in the web, open **Phone/Multi-functional Key** webpage.

Step 3. Choose one Exp key (assuming is Exp Key 6), and configuration as follows, user can refer to **7.6.2 Multi-functional Key**:

Exp Key 6 Call Park Line 1 70

Step 4. Press **Save Settings** button to save changes and then press **Reboot** button to make changes effective.

Using Call Park:

Step 1. During an active call (assuming party 1 (IP622)'s phone number is 6221, party 2's phone number is 111)

Step 2. Party 1 press the **Exp Key 6** button (the configured multi-functional key) to park the current conversation and listen the voice prompt patiently,

Step 3. Party 3 dialing **71** using another phone to retrieve the call with party 2.

6.6 MSG

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

6.6.1 Enable and configuration MSG

There are two ways to enable MSG, one is from menu, and the other is from your PC to use IP622'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 configuration, and then select it

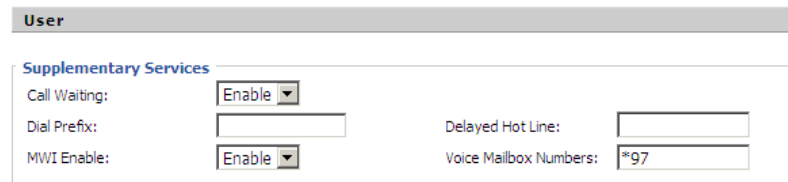
Step 3. And then use the **softkey buttons** to configuration it according to the prompt

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

From Webpage:

Step 1. Log into Web, open **Account X(1/2)/User webpage**.

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



The screenshot shows a web interface for user configuration. At the top, there is a grey header bar with the word "User". Below it, a section titled "Supplementary Services" contains several settings:

Call Waiting:	<input type="text" value="Enable"/>	Delayed Hot Line:	<input type="text"/>
Dial Prefix:	<input type="text"/>	Voice Mailbox Numbers:	<input type="text" value="*97"/>
MWI Enable:	<input type="text" value="Enable"/>		

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

6.6.2 Using MSG

To access your voice mail box, press the **MSG** button.

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

6.7 Changing the LCD Screen Contrast

Step 1. Press the **Menu** button, scroll to **LCD 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.

6.8 Changing Your Ring Tone

To change a ring tone:

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

Step 2. Select **Ring Tone**.

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

6.9 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 **Time/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.

6.10 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.

6.11 Factory default

There two ways to make factory default: in menu and using website.

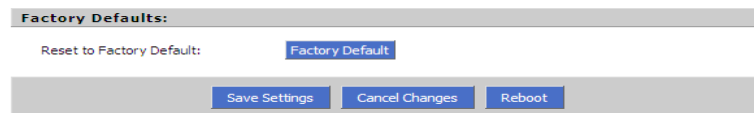
In menu:

Press **Menu** button and choose **17factory Default**, then a notice will appear, press the **ok softkey button** to continue.

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 IP622.

Note: 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 IP622 using the web-based configuration interface. The default network settings are the following:

Default Internet Connection Type: **DHCP**

Default PC Port Connection Type: **Bridge**

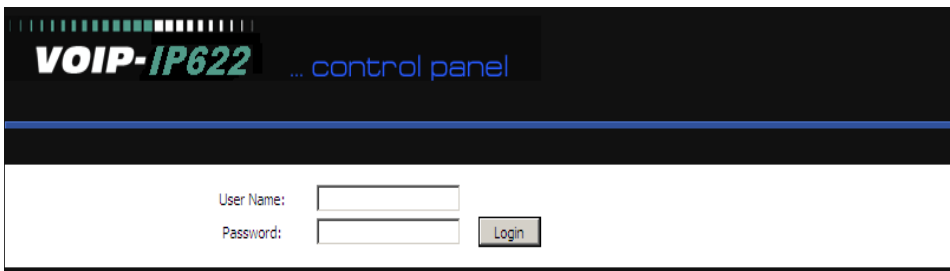
Default user name of admin mode: **admin**

Default user name of user mode: **user**

Default password of Web: **(null)**

Default Web login port: **8080**

Web Idle Timeout: **5 min**



7.2 Login

To access the phone through a web browser

Step 1. Setup IP622 correctly

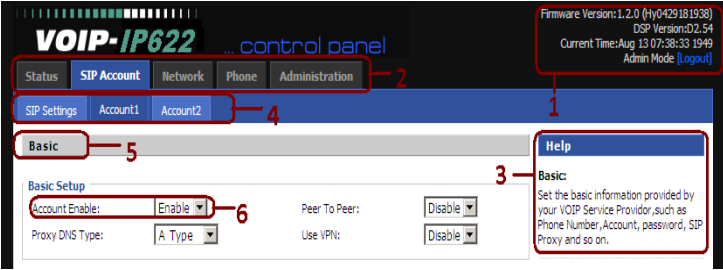
Step 2. Lookup the Internet IP Address in the left side of LCD

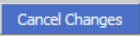

Step 3. Enter “**http://Internet IP Address:8080**” in the address field of the browser.

Step 4. Type “**admin**” or “**user**” for the User Name, 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. To use “admin” ID for login, please contact your administrator, supplier or service provider.

7.3 Webpage

	No.	Name	Description
	1	main information	Display the firmware version, DSP version, Current Time, and administration mode. Press Logout 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
<p data-bbox="74 1413 519 1438">Please REBOOT to make the changes effective!</p> <div data-bbox="74 1438 695 1493"> <input type="button" value="Save Settings"/> <input type="button" value="Cancel Changes"/> <input type="button" value="Reboot"/> </div>		<input type="button" value="Save Settings"/>	<ul style="list-style-type: none"> ◆ Every time making some changes, user should press the button to confirm and save the changes. ◆ After pressing the button, the red Please REBOOT to make the changes effective! will appear to notice user to reboot.

		To cancel the changes.
		Press it to reboot IP622

7.4 Status

7.4.1 Basic

This webpage displays the basic status of your IP622, including the information about product information, SIP account status, network status, VPN status, PC port status and system status.

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

The screenshot shows the 'Status' page of a VOIP-IP652 device. The page is titled 'VOIP-IP652 ... control panel' and includes a navigation menu with tabs for 'Status', 'SIP Account', 'Network', 'Phone', and 'Administration'. The 'Status' tab is active, and the 'Basic' sub-tab is selected. The page displays the following information:

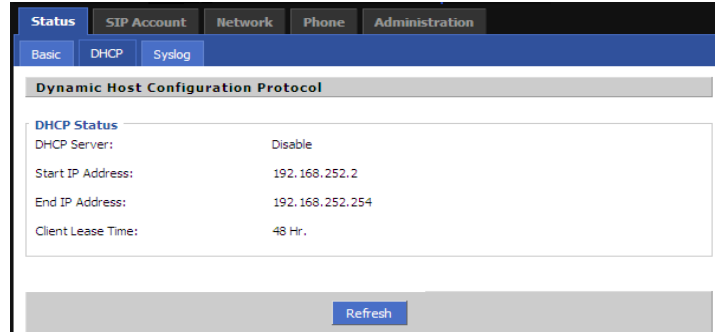
- Product Information:** Product Name: IP652; Internet(WAN) MAC Address: 00:03:58:FF:00:14; PC(LAN) MAC Address: 00:03:58:FF:00:13; Hardware Version: 1.0.1; Firmware Version: 1.0.5 (Hy0304050625); DSP Version: D2.53.
- SIP Account Status:** Account 1 Registration State: Registered; Account 2 Registration State: Registered; Account 3 Registration State: Registered; Account 4 Registration State: Registered; Account 5 Registration State: Registered.
- Network Status:** Internet Port Status: Connection Status: Connected; Connection Type: DHCP; IP Address: 192.168.20.104; Subnet Mask: 255.255.255.0; Default Gateway: 192.168.20.1; Primary DNS: 202.96.134.33; Secondary DNS: 202.96.128.86.
- VPN Status:** VPN Type: Disable; Virtual IP Address: 0.0.0.0.
- PC Port Status:** Connection Status: Failed; Connection Type: Bridge; IP Address: 192.168.252.1; Subnet Mask: 255.255.255.0.
- System Status:** System Status: Current Time: Apr 12 16:38:42 2011; Elapsed Time: 0 D/4 H/10 M.

A 'Refresh' button is located at the bottom of the page.

7.4.2 DHCP

IP622 can be used as DHCP server; this page displays the status about DHCP server enable/disable, start IP address, end IP address and client lease time.

Click **Refresh** button to refresh status of DHCP server.

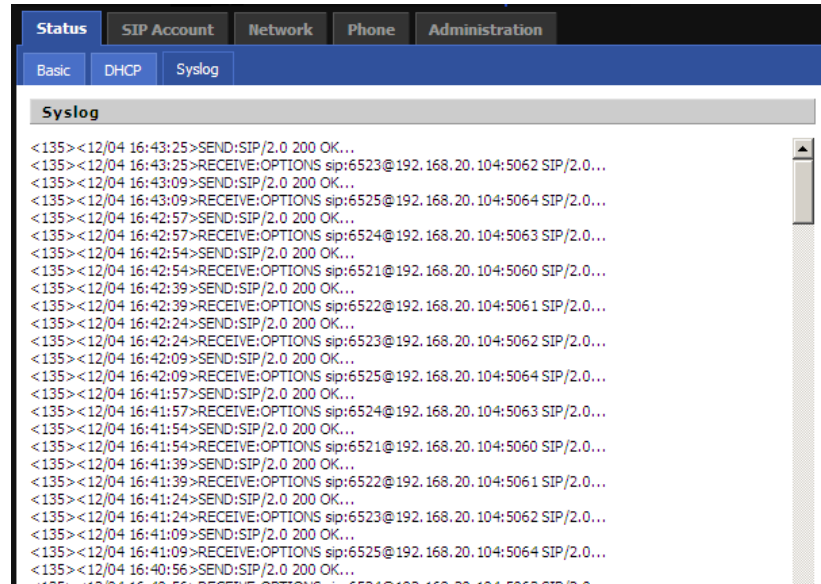


7.4.3 Syslog

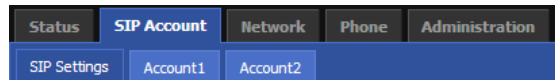
This page displays the log of system.

User can press **Remove All** button to clear all information.

Click **Refresh** button to refresh syslog.



7.5 SIP Account



7.5.1 SIP Settings

7.5.1.1 SIP Parameters

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

7.5.1.2 NAT Traversal

Webpage	Field Name	Description
	NAT Traversal	If or not enable NAT. IP622 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
	Port	STUN port

7.5.2 Account1

In this webpage, users can configuration the information about SIP account1, including the following 4 parts: Basic, Audio Configuration, User 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 style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Basic</p> <p>Basic Setup</p> <p>Account Enable: <input type="text" value="Enable"/> Peer To Peer: <input type="text" value="Enable"/> Proxy DNS Type: <input type="text" value="A Type"/> Use VPN: <input type="text" value="Disable"/></p> <p>Proxy and Registration</p> <p>Domain Name: <input type="text"/> SIP Server: <input type="text" value="192.168.20.196"/> SIP Port: <input type="text" value="5060"/> Outbound Proxy: <input type="text"/> Outbound Port: <input type="text" value="5060"/></p> <p>Subscriber Information</p> <p>Display Name: <input type="text" value="6521"/> Phone Number: <input type="text" value="6521"/> Account: <input type="text" value="6521"/> Password: <input type="text" value="••••"/></p> </div>	Account Enable	If or not enable Account1
	Peer to Peer	If or not enable PEER to PEER ◆ If enable, SIP-1 will not send register request to SIP server; ◆ In System Status, SIP-1 Status is Registered; ◆ SIP-1 can make call out, but others can not call SIP-1.
	Proxy DNS Type	Choose DNS type from A Type and DNS SRV.
	Use VPN	If or not enable VPN
	Domain Name	The domain of SIP Server
	SIP Server	The IP address of SIP Server
	SIP Port	The port which SIP Server supports for VOIP service, default is 5060
	Outbound Proxy	Outbound Proxy IP or domain name
	Outbound Port	Outbound Proxy's Service port
	Display Name	The number will display in callee
	Phone Number	Number of telephone provided by SIP Proxy
	Account	SIP account provided by SIP Proxy
	Password	SIP password provided by SIP Proxy

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	Choose the audio codec type from G.711U,

Audio Configuration	
Codec Setup Audio Codec Type 1: <input type="text" value="G.711U"/> Audio Codec Type 2: <input type="text" value="G.711A"/> Audio Codec Type 3: <input type="text" value="G.729"/> Audio Codec Type 4: <input type="text" value="G.722"/> Audio Codec Type 5: <input type="text" value="G.723"/> G.723 Coding Speed: <input type="text" value="5.3k bps"/> Packet Cycle(ms): <input type="text" value="20ms"/> Silence Supp Enable: <input type="text" value="Disable"/> Echo Cancel: <input type="text" value="Enable"/>	
Type2	G.711A, G.722, G.729, G.723
Audio Codec Type3	Choose the audio codec type from G.711U, 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

7.5.2.3 User

Webpage	Field Name	Description
User Supplementary Services Call Waiting: <input type="text" value="Enable"/> Dial Prefix: <input type="text"/> MWI Enable: <input type="text" value="Enable"/> Delayed Hot Line: <input type="text"/> Voice Mailbox Numbers: <input type="text" value="*97"/>	Call Waiting	If or not enable Call waiting.
	Dial Prefix	Add a prefix to a dialed number.
	Delayed Hot Line	Fill in the hotline number. Pickup handset or press speaker/headset button, IP622 will dial out the hotline 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 Mode	If or not use domain name in the SIP URI
	Carry Port Information	If or not carry Port information in the SIP URI.

Advanced		Signal Port	The local port of SIP protocol, default is 5060
Domain Name Type: <input type="text" value="Disable"/>	Carry Port Information: <input type="text" value="Disable"/>	DTMF Type	Choose the DTMF type from IN_band, RFC2833 and SIP INFO.
Signal Port: <input type="text" value="5060"/>	DTMF Type: <input type="text" value="RFC2833"/>	RFC2833 Payload (>=96)	User can use the default setting
RFC2833 Payload(>=96): <input type="text" value="101"/>	Register Refresh Interval (sec): <input type="text" value="3600"/>	Register Refresh Interval	The interval between two normal Register messages. You can use the default setting.
RTP Port: <input type="text" value="0"/> (=0 auto select)	Cancel Message Enable: <input type="text" value="Disable"/>	RTP Port	Set the port to send RTP. IP Phone will select one idle port for RTP if you set "0", otherwise use the value user set.
Prack Enable: <input type="text" value="Disable"/>	SIP Ping Enable: <input type="text" value="Disable"/>	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.
Keep-alive Interval(10-60s): <input type="text" value="15"/>		Prack Enable	If or not enable prack.
		SIP Ping 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.

7.5.3 Account2

The parameters of Account2 are same as Account1 except the value of **Account Enable**.

7.6 Network

7.6.1 Basic

User can configuration 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

administration.

Webpage	Field Name	Description
	Internet Connection Type	Choose Static IP.
	IP Address	The IP address of Internet port
	Subnet Mask	The subnet mask of Internet port.
	Default Gateway	The default gateway of Internet port.
	Primary DNS	The primary DNS of Internet port.
	Second DNS	The second DNS of Internet port.

DHCP:

In DHCP mode, IP phone is a DHCP client.

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

Webpage	Field Name	Description
	Internet Connection Type	Choose Automatic Configuration-DHCP.
	DNS type	Choose DNS type from Manual and Automatic ◆ In Manual: user should set the Primary DNS and Second DNS manually. ◆ In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.

PPPoE:

Webpage	Field Name	Description
	Internet Connection	Choose PPPoE.

Internet Port (WAN)		Type	
Internet Port (WAN) Internet Connection Type: <input type="text" value="PPPoE"/>		PPPoE Account	Fill in the PPPoE account which get from Internet Service Provider
PPPoE Account: <input type="text"/> PPPoE Password: <input type="text"/> MTU: <input type="text" value="1500"/> MRU: <input type="text" value="1500"/> PPPoE Auto Dial: <input type="text" value="Enable"/>		PPPoE Password	Fill in the PPPoE account get from Internet Service Provider
DNS Type: <input type="text" value="Manual"/> Primary DNS: <input type="text" value="202."/> <input type="text" value="96."/> <input type="text" value="134."/> <input type="text" value="33"/> Second DNS: <input type="text" value="202."/> <input type="text" value="96."/> <input type="text" value="128."/> <input type="text" value="86"/>		PPPoE Auto-Dial	If or not enable PPPoE Auto-Dial.
		DNS Type	Choose DNS type from Manual and Automatic ◆ In Manual: user should set the Primary DNS and Second DNS manually. ◆ In Automatic: IP Phone will get the Primary DNS and Second DNS from DHCP Server automatically.
		Primary DNS	The primary DNS of Internet port.
		Second DNS	The second DNS of Internet port.

7.6.1.2 PC Port (LAN)

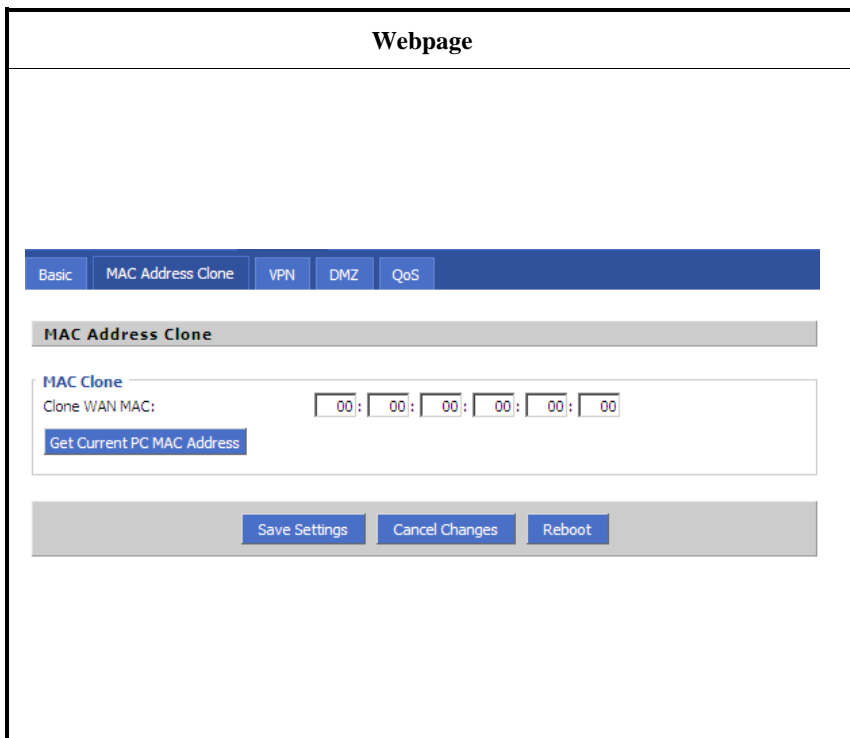
Webpage		Field Name	Description
PC Port(LAN) PC Port Connection Type: <input type="text" value="NAT"/> Local IP Address: <input type="text" value="192."/> <input type="text" value="168."/> <input type="text" value="252."/> <input type="text" value="1"/> Subnet Mask: <input type="text" value="255.255.255.0"/>		PC Port Connection Type	Choose the PC port connection type from disable, NAT and Bridge.
		Local IP Address	Set the IP address of PC port. Efficient when user choose NAT.
		Subnet Mask	Set the subnet mask of PC port. Efficient when user choose NAT.

7.6.1.3 Network Address Server Settings (DHCP)

Webpage		Field Name	Description
Network Address Server Settings (DHCP) Local DHCP Server: <input type="text" value="Enable"/> Start IP Address: <input type="text" value="192."/> <input type="text" value="168."/> <input type="text" value="252."/> <input type="text" value="2"/> Number of Address: <input type="text" value="253"/> Client Lease Time: <input type="text" value="48"/> Hr(0 means one day). Primary DNS: <input type="text" value="219."/> <input type="text" value="141."/> <input type="text" value="136."/> <input type="text" value="10"/> Second DNS: <input type="text" value="219."/> <input type="text" value="141."/> <input type="text" value="140."/> <input type="text" value="10"/>		Local DHCP Server	If or not enable DHCP Server. If PC port is not in NAT mode, user can not enable DHCP server.
		Start IP Address	The starting IP address which IP phone will attribute to clients. Note: The Network Sect of DHCP Server Start Address should be the same with the one that IP622's PC port. Generally speaking, you can use the default setting.

	Number of Address	Number of IP address will distribute to clients.
	Client Lease Time	The interval of DHCP will send request to continue in period of validity. Unit is hour.
	Primary DNS	Primary DNS that DHCP Server will distribute. You can use the default setting.
	Secondary DNS	Secondary DNS that DHCP Server will distribute. You can use the default setting.

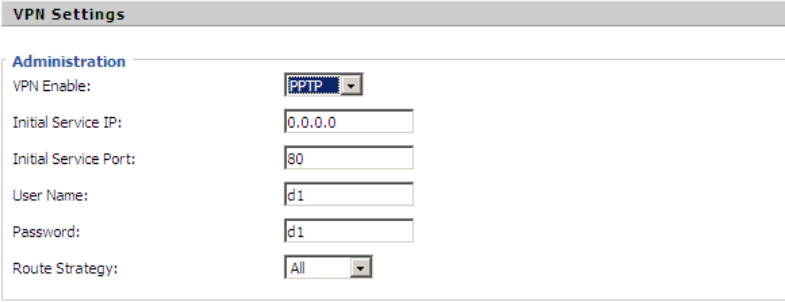
7.6.2 MAC Address Clone

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 IP622. In this case, you can use MAC Clone to copy your PC's MAC address to IP622'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 IP622 unusable.</p> <p>You can login IP622'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 Get Current PC MAC Address button to get the PC's MAC address</p> <p>Step 2 Press Save Settings to save the changes</p> <p>Step 3. Press Clear to cancel MAC address clone.</p> <p>Step 4. Press Reboot to reboot IP622.</p>

7.6.3 VPN

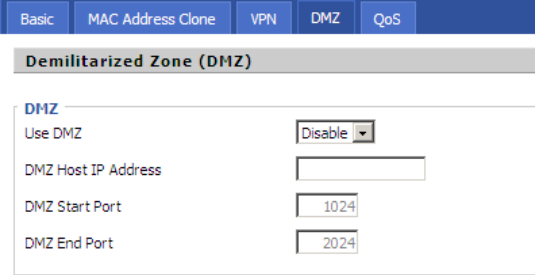
A Virtual Private Network (VPN) is the extension of a private network that encompasses links across shared or public networks like the Internet.

In short, by VPN technology, you can send data between two computers across a shared or public network in a manner that emulates the properties of a point-to-point private link.

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

7.6.4 DMZ

IP622 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.

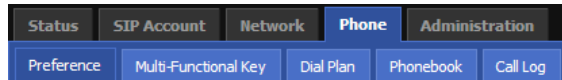
Webpage	Field Name	Description
	Use DMZ	If or not enable DMZ
	DMZ Host IP Address	set the IP address of DMZ host
	DMZ Start Port	set the start port of DMZ host
	DMZ End Port	set the end port of DMZ host
	<p>For example, the DMZ computer's IP is "192.168.1.2", "DMZ start port" and "DMZ end port" is 20 and 1023. The DMZ function is that DMZ computer can get the requests from the ports (20 to 1023) of IP622's Internet port.</p>	

7.6.5 QoS

Webpage	Description
	<p>Some ISP supply QoS services. The QoS services can make the best of improving the quality of Voice application. You can get the settings from the ISP if they supply QoS services. Please connect with them if you need it.</p>

7.7 Phone

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



7.7.1 Preference

User can configuration 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.

7.7.1.2 Regional

Webpage	Field Name	Description
<p>Regional</p> <p>Tone Type: <input type="text" value="US"/></p> <p>Min Jitter Delay(ms): <input type="text" value="0"/> Max Jitter Delay(ms): <input type="text" value="80"/></p> <p>Hook-On Tone Delay(Sec): <input type="text" value="4"/> Ringing Time(Sec): <input type="text" value="60"/></p>	Tone Type	Choose tone type form China, US, Hong Kong and KR.
	Min Jitter Delay (ms)	The Min value of IP622's jitter delay, IP622's jitter is an adaptive jitter mechanism.
	Max Jitter Delay (ms)	The Max value of IP622's jitter delay, IP622's jitter is an adaptive jitter mechanism.
	Hook-On Tone Delay (sec)	How long IP622 will delay to sound hook-on tone when call party end call.
	Ringing Time(Sec)	How long IP622 will ring

7.7.1.3 Call Forward

Webpage	Field Name	Description
<p>Call Forward</p> <p>Cfwd All Dest: <input type="text"/> Cfwd Busy Dest: <input type="text"/></p> <p>Cfwd No Ans Dest: <input type="text"/> Cfwd No Ans Delay: <input type="text" value="20"/></p>	Cfwd All Dest	The phone number which will be forwarded to. IP Phone will forward all calls to the phone number immediately when there is an incoming call.
	Cfwd Busy Dest	The phone number which will be forwarded to when line is busy.
	Cfwd No Ans Dest	The phone number which will be forwarded to when there's no answer at your phone.
	Cfwd No Ans Delay	The seconds to delay forwarding calls, if there is no answer at your phone.

7.7.1.4 Miscellaneous

Webpage	Field Name	Description
	Auto Answer	If or not enable auto answer. If enable, IP622

		will auto answer all incoming call immediately.
	Dial Time Out	How long IP622 to sound dial out tone when IP622 dialing number.
	Call Immediately Key	Choose call immediately key form * or #.
	ICMP Ping	If or not enable ICMP Ping. If enable this option, IP622 will ping the SIP Server every interval time, otherwise, It will send "hello" empty packet to the SIP Server.

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, BLF, shortcut key, call pickup and call park.**

Step 3.Set the other corresponding parameters.

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

Below is an example:

Key	Type	Mode	Line	Expansion	Pickup Code
Exp Key 1	Speed Dial		Auto	111	
Exp Key 2	Speed Dial		Line 1	111	
Exp Key 3	Speed Dial		Line 2	111	
Exp Key 4	BLF		Line 1	111	*8
Exp Key 5	BLF		Line 2	111	*8
Exp Key 6	Shortcut Key	Phonebook			
Exp Key 7	Shortcut Key	Volume+			
Exp Key 8	Shortcut Key	Volume-			
Exp Key 9	Call Pickup		Line 1	111	
Exp Key 10	Call Park		Line 1	70	

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

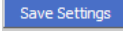

Step 4.Fill the phone number in Expansion

Step 5.Press [Save Settings](#) to save changes and you can see the status of corresponding LED is solid green.

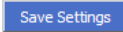

Step 6.Press [Reboot](#) button to make changes effective.

If set properly, press the corresponding key to make call immediately, and the status of LED is solid red.

Adding BLF:

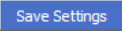

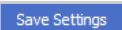

- Step 1. Choose one Exp Key to configuration
- Step 2. Select the BLF from the drop down list
- Step 3. Choose the Line from line1, line2.
- Step 4. Fill the monitored phone number in Expansion
- Step 5. Fill the pickup code in **Pickup Code** if user wants to pickup the call when there is a new call coming in monitored phone.
- Step 6. Press  to save changes.
- Step 7. Press  button to make changes effective.

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 and you can see the status of corresponding LED is solid green.
 - 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.

Adding Call Pickup:

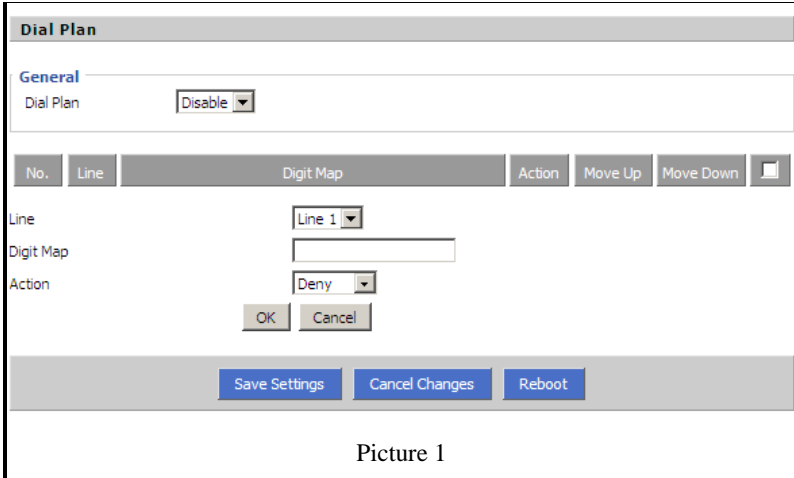
- Step 1. Choose one Exp Key to configuration

	<p>Step 2. Select the call pickup from the drop down list</p> <p>Step 3. Choose the Line from line1, line2.</p> <p>Step 4. Fill the phone number in Expansion</p> <p>Step 5. Press  to save changes and you can see the status of corresponding LED is solid green.</p> <p>Step 6. Press  button to make changes effective.</p> <p>In idle, press the corresponding button to make call immediately.</p> <p>Adding call park:</p> <p>Step 1. Choose one Exp Key to configuration</p> <p>Step 2. Select the Call Park from the drop down list in type</p> <p>Step 3. Choose the Line from line1, line2.</p> <p>Step 4. Fill the pickup extension code in Expansion</p> <p>Step 5. Press  to save changes and you can see the status of corresponding LED is solid green.</p> <p>Step 6. Press  button to make changes effective.</p>
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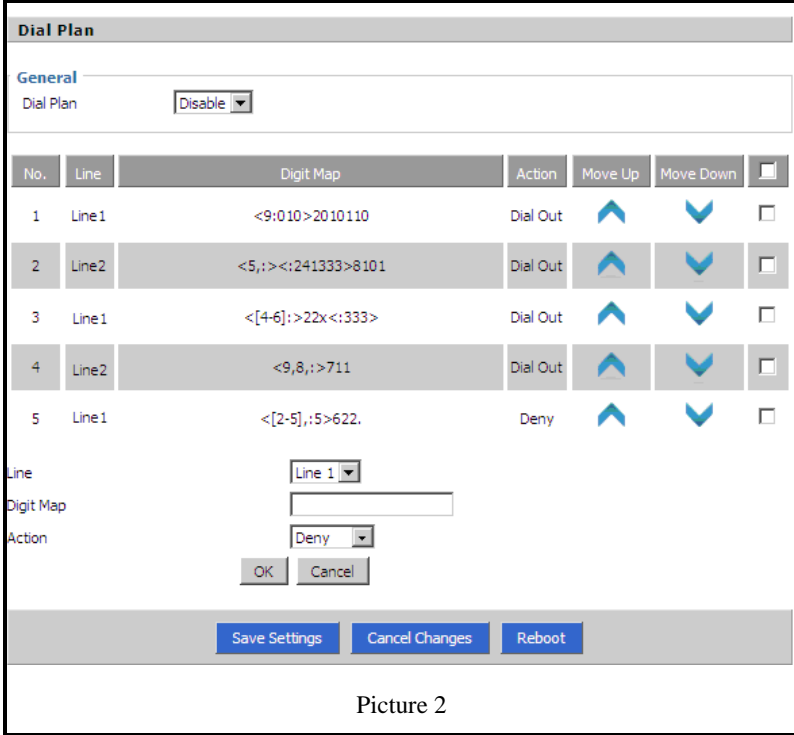
7.7.3 Dial Plan

7.7.3.1 Parameters and Settings

Webpage	Field Name	Description
	Dial Plan	If or not enable dial rule.
	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 Dial Plan Syntactic
Action	Choose the dial plan mode from Deny and Dial Out. Deny means IP622 will reject the matched number, while Dial Out means IP622 allow dial out the matched number.
Move Up	Press it to move up.
Move Down	Press it to move down.



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

	<p>Picture 2 will appear</p> <p>Step 4. Change the value of parameters.</p> <p>Step 5. Press OK button to end configuration.</p> <p>Step 6. Press Save Settings button to save changes.</p> <p>Deleting one dial plan:</p> <p>Step 1. Enable Dial plan</p> <p>Step 2. Choose one dial plan</p> <p>Step 3. Click Delete button to delete the dial plan</p>
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7.7.3.2 Dial Plan Syntactic

No.	String	Description
1	0 1 2 3 4 5 6 7 8 9 * #	Legal characters
2	X	Lowercase letter x stands for one legal character
3	[sequence]	To match one character form sequence. For example: <ul style="list-style-type: none"> • [0-9]: match one digit form 0 to 9 • [23-5*]: match one character from 2 or 3 or 4 or 5 or *
4	x.	Match to $x^0, x^1, x^2, x^3, \dots, x^n$ For example: "01.": can match "0", "01", "011", "0111",, "01111..."
5	<dialled: substituted>	Replace dialled with substituted. For example: <8:1650>123456: input is "85551212", output is "16505551212"

6	x,y	<p>Make outside dial tone after dialing “x”, stop until dialing character “y”</p> <p>For example:</p> <p>“9,1xxxxxxxx”:IP622 make outside dial tone after inputting “9”, stop tone until inputting “1”</p> <p>“9,8,010x”: make outside dial tone after inputting “9”, stop tone until inputting “0”</p>
7	T	<p>Set the delayed time.</p> <p>For example:</p> <p>“<9:111>T2”: IP622 will dial out the matched number “111” after 2 seconds.</p>

7.7.3.3 Example

Save Settings
Cancel Changes
Reboot

Dial Plan

General

Dial Plan Enable

No.	Line	Digit Map	Action	Move Up	Move Down	
1	Line1	<:010>#12<#:%23>2	Dial Out	↑	↓	<input type="checkbox"/>
2	Line2	<5,:><:241333>8101	Dial Out	↑	↓	<input type="checkbox"/>
3	Line1	<[4-5]:>22xxxx<:333>	Dial Out	↑	↓	<input type="checkbox"/>
4	Line2	<2-3,:5:>622.	Dial Out	↑	↓	<input type="checkbox"/>
5	Line1	777x.8	Deny	↑	↓	<input type="checkbox"/>

Example 1

Example 2

Example 5

Example 3

Example 4

- 1. Example 1**
Using line 1, if user dials #12#2, IP622 will call 010#12%232 immediately.
- 2. Example 2**
Using line 2, if user dials 5,8101, IP622 will call 2413338101 immediately,
And IP622 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, IP622 will call 22xxxx333 immediately.

4. Example 4

Using line 2, if user dials **2,622** or **2,6222** or **2,62222** or **2.62222** or **3.62222**,
 IP622 will call **5622** or **56222** or **562222** or **5622222** or **5622222** immediately.
 And IP622 will make outside dial tone after inputting “2” or “3”, stop tone until inputting “6”.

5. Example 5

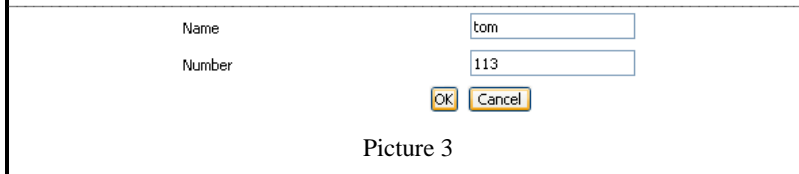
Using line 1, if user dials **777x8**, IP622 will reject the phone number out.

7.7.4 Phone Book

Webpage		Field Name	Description
Name	<input type="text"/>	Name	Input the name
Number	<input type="text"/>	Number	Input the phone number
OK Cancel Picture 1			



Picture 2



Picture 3

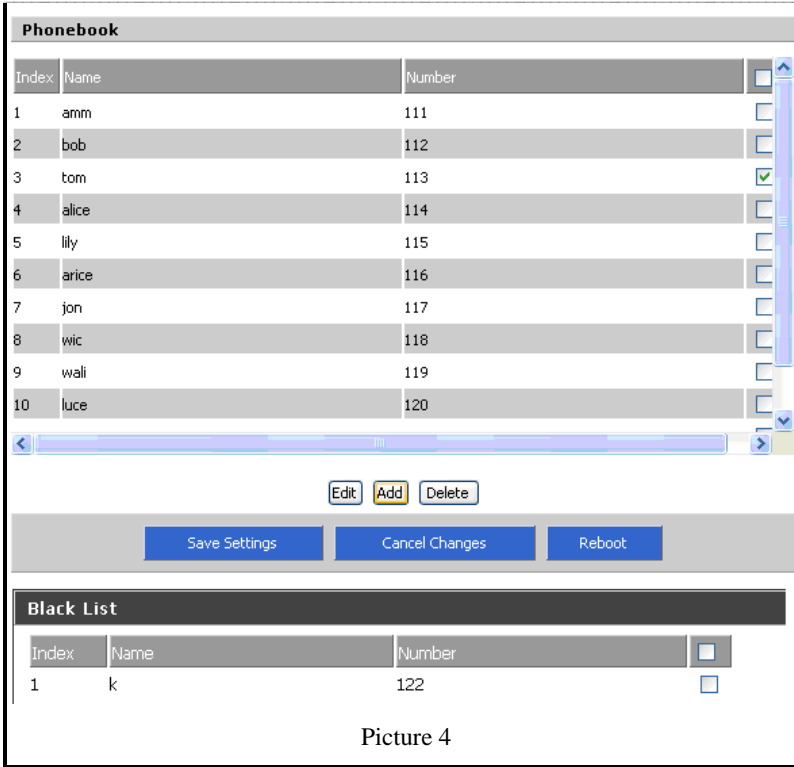
Steps :

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 Settings** 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 Settings** button to save changes.



Deleting one phone book:

- Step 1. Choose one phone book
- Step 2. Click **Delete** button to delete the phone book

Move one phone book to Black list:

- Step 1. Choose one phone book
- Step 2. Click **Move to blacklist** button to delete the phone book

7.7.4.1 Black List

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

Black List			
Index	Name	Number	<input type="checkbox"/>
1	k	122	<input type="checkbox"/>
2	w	123	<input checked="" type="checkbox"/>
3	q	124	<input type="checkbox"/>
4	r	125	<input type="checkbox"/>

Name

Number

Picture 2

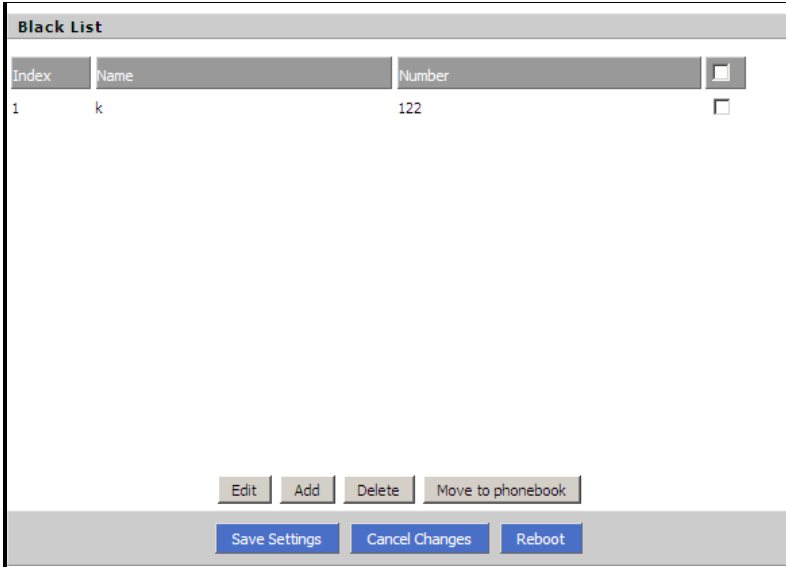
Steps :

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 Settings** 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.



Picture 3

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 **Move to phonebook** 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

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

7.7.5.2 Answered Calls

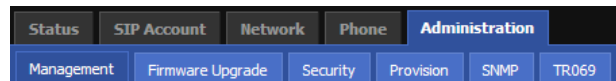
Answered Calls				
Index	Name	Number	Start Time	Duration
1	222	222	04/19 12:29	00:00:18
2	111	111	04/19 12:20	00:00:39
3	222	222	04/19 12:19	00:00:12
4	222	222	04/19 12:17	00:00:08
5	111	111	04/19 11:55	00:04:00
6	111	111	04/19 11:52	00:02:59
7	111	111	04/19 11:11	00:01:01
8	111	111	04/19 10:52	00:00:18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

7.7.5.3 Missed Call

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

7.8 Administration

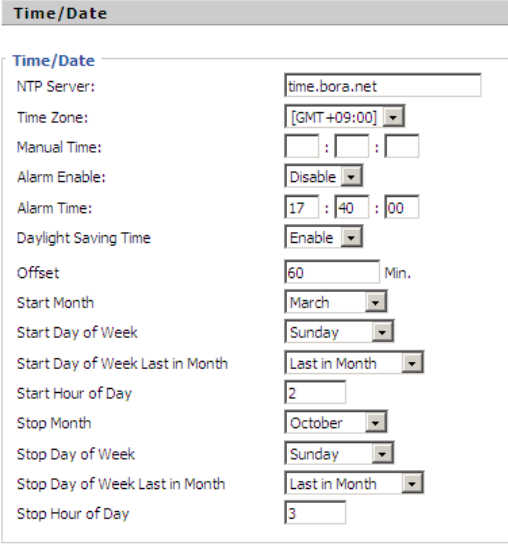
Use can manage the IP622 in these six webpage; you can configuration the Time/Date, password, web access, system log and so on.



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 Time/Date

Webpage	Field Name	Description
 <p>Time/Date</p> <p>NTP Server: time.bora.net</p> <p>Time Zone: [GMT+09:00]</p> <p>Manual Time: : : </p> <p>Alarm Enable: Disable</p> <p>Alarm Time: 17 : 40 : 00</p> <p>Daylight Saving Time: Enable</p> <p>Offset: 60 Min.</p> <p>Start Month: March</p> <p>Start Day of Week: Sunday</p> <p>Start Day of Week Last in Month: Last in Month</p> <p>Start Hour of Day: 2</p> <p>Stop Month: October</p> <p>Stop Day of Week: Sunday</p> <p>Stop Day of Week Last in Month: Last in Month</p> <p>Stop Hour of Day: 3</p> <p>Alarm Enable: Enable</p> <p>Alarm Time: 17 : 40 : 00</p>	NTP Server	Fill in the NTP server IP address or Domain name
	Time Zone	Choose the time zone
	Manual Time	Adjust time by manual
	Alarm Enable	If or not enable alarm
	Alarm Time	Set alarm time
	Daylight Saving Time	If or not enable daylight saving time.
	Offset	Offset time, “-60” means advancing 60miniter, “60” means delaying 60minute
	Start Month	Choose starting month
	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
<p>Alarm Enable: Enable</p> <p>Alarm Time: 17 : 40 : 00</p> <p>Picture 1</p>	<p>Steps:</p>	

Daylight Saving Time	<input type="text" value="Enable"/>
Offset	<input type="text" value="60"/> Min.
Start Month	<input type="text" value="March"/>
Start Day of Week	<input type="text" value="Sunday"/>
Start Day of Week Last in Month	<input type="text" value="Last in Month"/>
Start Hour of Day	<input type="text" value="2"/>
Stop Month	<input type="text" value="October"/>
Stop Day of Week	<input type="text" value="Sunday"/>
Stop Day of Week Last in Month	<input type="text" value="Last in Month"/>
Stop Hour of Day	<input type="text" value="3"/>

Picture 2

Alarm:

- Step 1. Enable alarm
- Step 2. Set alarm time, like Picture 1.
- Step 3. Press **Save Settings** button to save changes and then press **Reboot** button to active changes.

Daylight Saving Time:

- Step 1. Enable Daylight Saving Time.
- Step 2. Set value of offset, like Picture 2
- Step 3: Set starting 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 Settings** button to save and press **Reboot** button to active changes.

7.8.1.2 Password Reset



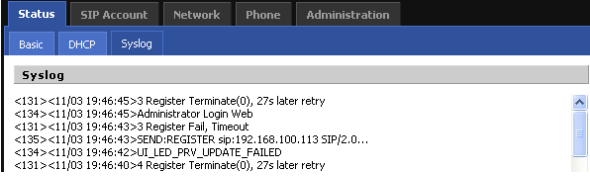
Webpage	Field Name	Description
	User Type	Choose the user type from admin and user.
	Original Password	Input original password
	New Password	Input the new password
	Password Confirm	Input the new password again
	Change the password of admin mode:	

<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; background-color: #cccccc; margin: 0;">Password Reset</p> <hr/> <p>Password Reset</p> <p>User Type: <input type="text" value="admin"/></p> <p>Original Password: <input type="text"/></p> <p>New Password: <input type="text"/></p> <p>Confirm Password: <input type="text"/></p> </div>	<p>Steps:</p> <p>Step 1. Choose the admin from the drop-down list.</p> <p>Step 2. Input original password, default setting is null.</p> <p>Step 3. Input a new password twice time in New Password and Confirm Password.</p> <p>Change the password of user mode:</p> <p>Step 1. Choose the user from the drop-down list.</p> <p>Step 2. Input original password, default setting is null.</p> <p>Note: In admin mode, you can change the user password directly without the password of user mode.</p> <p>Step 3. Input a new password twice time in New Password and Confirm Password.</p>
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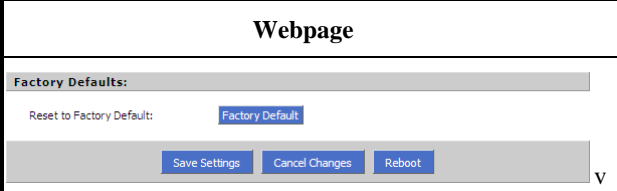
7.8.1.3 Web Access

Webpage	Field Name	Description
<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; background-color: #cccccc; margin: 0;">Web Access:</p> <hr/> <p>Web Access:</p> <p>WAN Interface Login: <input type="text" value="Enable"/></p> <p>Web Login Port: <input type="text" value="8080"/></p> <p>Web Idle Timeout: <input type="text" value="5"/> Min.</p> </div>	WAN Interface Login	If or not enable user login WEB via Internet port. If enable, user can access Web to administration.
	Web Login Port	Set the port which used to login WEB via Internet port and PC port, Default is 8080, that is why URL should have 8080.
	Web Idle Timeout	Set the web idle timeout time. The web page can be logged out after Web Idle Timeout without any operation.

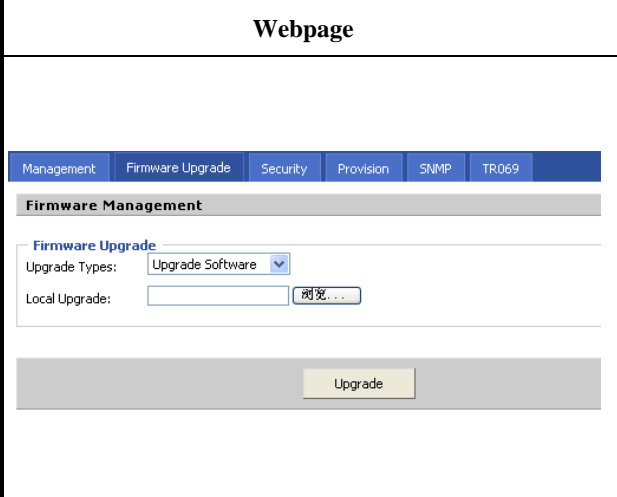
7.8.1.4 System Log Setting

Webpage	Field Name	Description
 <p>Picture 1</p>	SysLog Server	Set the SysLog Server IP address or domain name for IP622.
 <p>Picture 2</p>	Log Level	Choose log level from None/Error/Warn/INFO/Debug. The priority changes from left to right, left is the lowest, right is the highest; the higher priority, the more information in syslog.
 <p>Picture 3</p>	<p>IP622 support local and remote Syslog.</p> <p>In local:</p> <p>Step 1. Set syslog server null and choose one kind of Log Level, like Picture 1.</p> <p>Step 2. Press Saving Settings button to save and press Reboot button to active changes.</p> <p>Step 3. User can view syslog in Status/Syslog webpage.</p> <p>In remote:</p> <p>Step 1. Fill in syslog server IP address or domain name</p> <p>Step 2. Choose one kind of Log Level, like Picture 2.</p> <p>Step 3. Press Saving Settings button to save and press Reboot button to active changes.</p> <p>Step 4. User can view syslog in syslog server, and you can also view the syslog in Status/Syslog webpage.</p>	

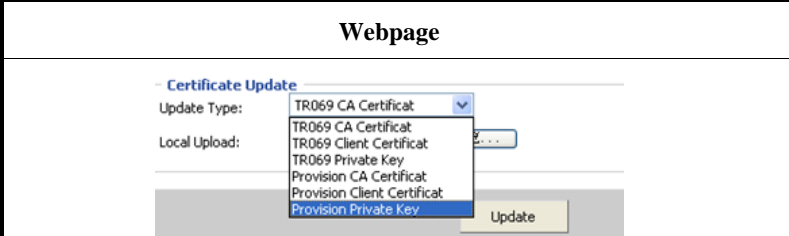
7.8.1.5 Factory Defaults

Webpage	Field Name	Description
		Press Factory Default button to set IP622 default.

7.8.2 Firmware Upgrade

Webpage	Description
	<p>Steps:</p> <p>Step 1. Choose a upgrade file type from Upgrade Software, Upgrade Ring Voice, Upgrade Dial Plan and Upgrade Config File</p> <p>Step 2. Press <input type="button" value="browser"/> to browser the upgrade file.</p> <p>Step 3. Press <input type="button" value="Update"/> to start upgrading, LCD will display the notice when upgrading.</p> <p>Step 4. Login web and then check the firmware whether well upgraded by viewing the firmware version in Status/Basic webpage.</p>

7.8.3 Security

Webpage	Field Name	Description
	TR069 CA Certificate	The CA certificate file of TR069
	TR069 Client Certificate	The Client Certificate file of TR069
	TR069 Private Key	The Private Key file of TR069
	Provision CA Certificate	The CA certificate file of provision
	Provision Client Certificate	The Client Certificate file of provision

Management	Firmware Upgrade	Security	Provision	SNMP	TR069
Certificate Management					
TR069					
	Issued To	Issued By	Expiration		
CA Certificat	Works_Systems_CA	Works_Systems_CA	Dec 1 12:09:00 2016 GMT		
Client Certificat	client	ssl-test.net_Mgr	Sep 3 04:02:00 2008 GMT		
Private Key	Have Upload				
Provision					
	Issued To	Issued By	Expiration		
CA Certificat	Example Certificate Authority	Example Certificate Authority	May 7 01:59:00 2011 GMT		
Client Certificat	user@example.com	Example Certificate Authority	May 7 03:59:00 2011 GMT		
Private Key	Have Upload				
Certificate Update					
Update Type:	TR069 CA Certificat				
Local Upload:	<input type="text"/> <input type="button" value="Browse..."/>				
<input type="button" value="Update"/>					

Picture 2

Provision Private Key	The Private Key file of provision
<p>User can upload cert files for TR069 and Provision as follows:</p> <p>Step 1. Choose one File Type from <input type="button" value="TR069 Private ke"/> , like picture 1.</p> <p>Step 2. Press <input type="button" value="browser"/> to browser file.</p> <p>Step 3. Press <input type="button" value="Update"/> to start upgrading.</p> <p>Picture 2 is the webpage which all files have well uploaded.</p>	

7.8.4 Provision

- 1) Provisioning allow IP622 auto-upgrading or auto-configuring
- 2) IP622 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 Enabled	If or not enable provision

Management Firmware Upgrade Security Provision **SNMP** TR069

Provision

Configuration Profile

Provision Enable Resync On Reset

Resync Random Delay Resync Periodic

Resync Error Retry Delay Forced Resync Delay

Resync After Upgrade Attempt

Profile Rule

Private Key Password:

Phone Num1 for Config

Phone Num2 for Config

Firmware Upgrade

Upgrade Enable

Upgrade Error Retry Delay

Downgrade Rev Limit

Upgrade Rule

Save Settings Cancel Changes Reboot

Resync On Reset	If or not enable resync after IP622 restart
Resync Random Delay	Set the maximum delay for request the synchronization file
Resync Periodic	Set the periodic time for resync, default is 3600s
Resync Error Retry Delay	If the last resync was failure, IP622 will retry resync after the "Resync Error Retry Delay" time, default is 3600s
Forced Resync Delay	If it's time to resync, but IP622 is busy now, in this case, IP622 will wait for a period time, the longest is "Forced Resync Delay", default is 14400s, when the time over, IP622 will forced to resync
Resync After Upgrade Attempt	If or not enable firmware upgrade after resync, "yes" is enable
Profile Rule	URL of profile provision file
Phone Num1 for Config	The first phone number which used to reboot IP622 in remote.
Phone Num2 for Config	The second phone number which used to reboot IP622 in remote.
Auto-upgrade Enabled	If or not enable firmware upgrade.
Auto-upgrade Error Retry Delay	Set the time to retry upgrade, effective when the last upgrade was failure
Upgrade Rule	URL of upgrade file

7.8.5 SNMP

Webpage	Field Name	Description
	SNMP Enable	If or not enable SNMP
	Get Community	String, as an express password between management process and the agent process

	Set Community	String, as an express password between management process and the agent process
	SNMP Manager IP 1-4	The IP address of SNMP Manager

7.8.6 TR069

Webpage	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 IP622's user name for connecting to TR069 server
	Password	The IP622'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 IP622
	Password	The TR069 server's password for connecting to IP622
SSL Key	Fill in SSL key.	

8 Troubleshooting

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 IP622 is properly connected.

8.3 No Dial Tone

Solution:

Check if the handset cord is properly connected.

8.4 Can not Make a Call

Solution:

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

8.5 Can not Receive Any Phone Call

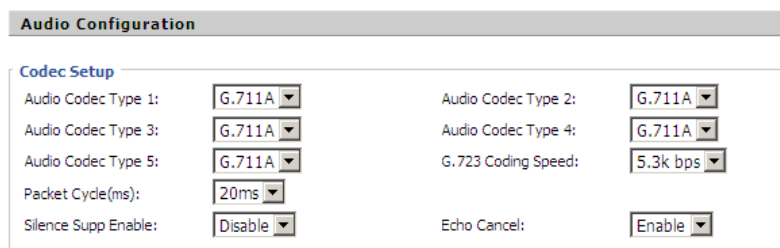
Solution:

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

8.6 No Voice during an Active Call

Solution:

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



The screenshot shows the 'Audio Configuration' section of a web interface. Under the 'Codec Setup' heading, there are several dropdown menus for configuration:

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

8.7 Can not connect to the configuration Website

Solution:

Check if the Ethernet cable is properly connected.

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

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.

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.

Thank You!

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