HS118 IP Phone

User Manual

Escene Communication Co.Ltd

Tables of Contents

1.Getting Started 1
Technical Features 1
2.Phone overview 3
3.2 Phone Screen Display Features ..... 错误!未定义书签。
3.3 Basic Network Settings ..... 错误!未定义书签。
3.4 SIP Account Settings ..... 错误!未定义书签。
3.5 Basic Features 5
3.5.1 Making a Call 5
3.5.2 Redial 6
3.5.3 Ending a Call 6
3.5.4 Using Hold and Recover (Switch Calling Line) 6
3.5.5 Using Mute 6
3.5.6 Voice Mail 6
4. WEB User Interface 7
Main Interface-Phone Status 7
4.1 Network 8
4.1.1 Wi-Fi Setting ..... 错误!未定义书签。
5 SIP Account 13
5.1Basic 13
5.2 Advanced 15
6 Programmable keys 16
6.1 Memory keys 16
6.3 Function Keys 16
7 Phone Setting 17
7.1 Basic 17
7.1.1 Time Settings 17
7.1.2 Backlight 18
7.1.3 Keyboard Lock 18
7.1.4 Ring 18
7.1.5 Volume Setting 19
7.2 Features 20
7.2.1 VoIP Call Forward 20
7.2.2 Auto Redial 20
7.2.3 Pickup function 20
7.2.4 Hotline function 21
7.2.5 Auto Answer 21
7.2.6 Remote Control 21
7.2.7 Action URL 21
7.2.8 EP+ 22
7.2.9 Other features settings 22

7.3 Advanced 24
7.3.1 Audio 24
8 Phone Book 26
8.1 Group 26
8.2 Contact 26
8.3 LDAP 27
8.4 Blacklist 28
9 Phone Maintenance 29
9.1 Basic 29
9.1.1 HTTP Upgrade 29
9.1.2 FTP Upgrade 30
9.1.3 TFTP Upgrade 31
9.1.4 Default Setting 32
9.1.5 Reboot 32
9.2 Advanced 32
9.2.1 Log 32
9.2.2 Auto Provision 33
10 Security 34
10.1 Password 34
10.2 Trusted Certificates 34
10.3 IP Strategy 35
11 WEB Other Settings or Information - Appendix 35
11.1 WEB User 35
11.2 Multi-Language 35
11.3 Note Tips 35

1.Getting Started

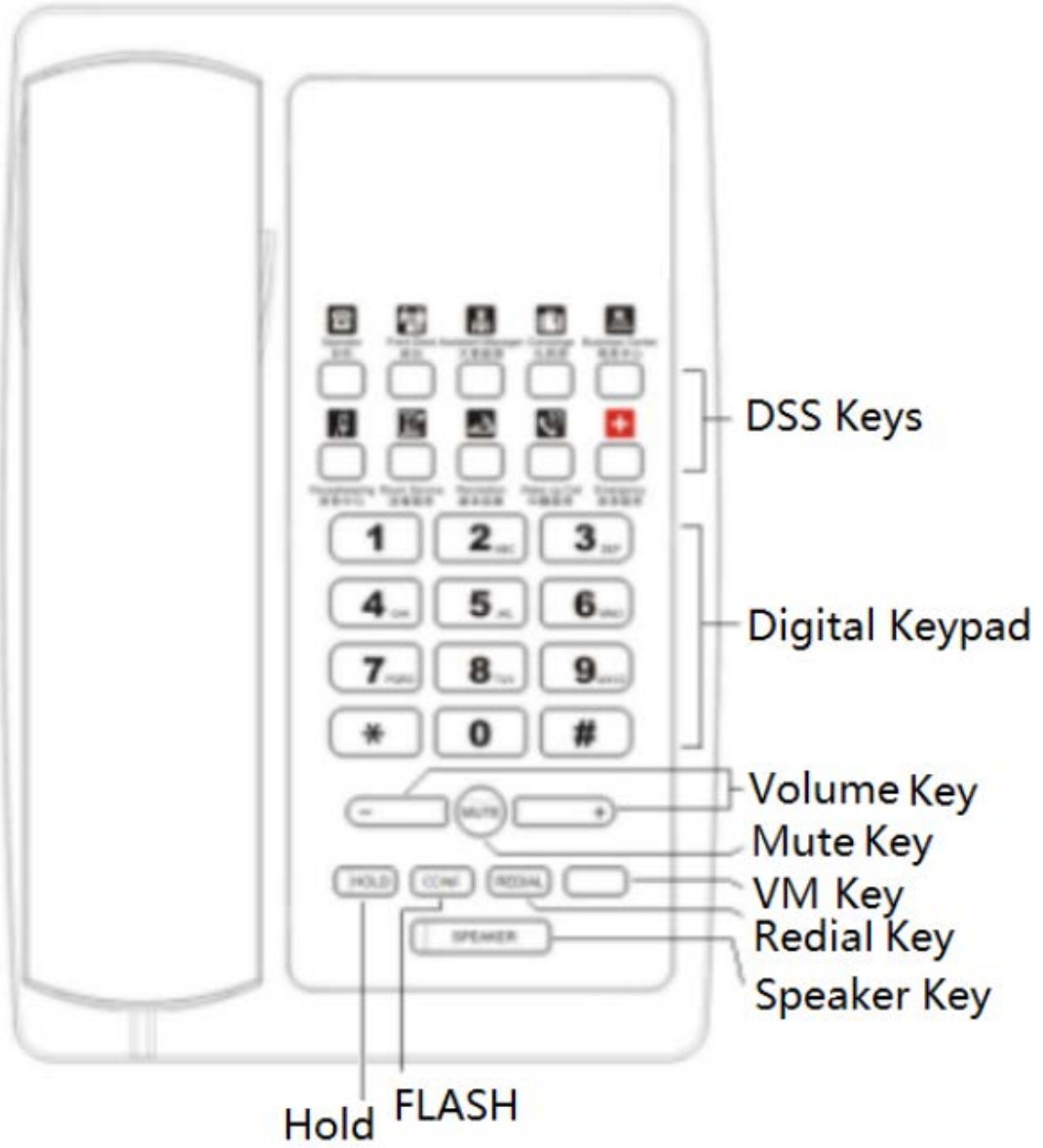
Technical Features

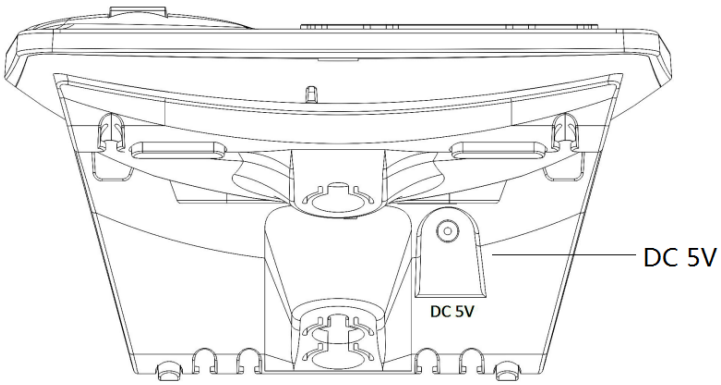
Item	Technical Features
Language	English, Chinese, French, Italian, Russian, Spanish, Turkish etc
Line	2
Function Keys	Programmable Keys、Line Keys、Number Keys and Function Keys
Voip Protocol	SIP 2.0
Network Protocol	HTTP、BOOTP、FTP、TFTP、IEEE 802.1Q
Codec	G.729 A (8Kb/s)、G.711 A/U (64Kb/S)、G.722(64Kb/S)
QoS	TOS, Jiffer Buffer, VAD, CNG, G.168 (32ms)
Network	1*RJ45 10/100M Ethernet interfaces(LAN) IP Assignment: Static IP or DHCP VPN(L2TP) ,VLAN/QoS DNS Clients (Primary and Secondary)
Speech	Handset, Headset or Hand-free Mode, 9-levels volume adjustment
Call Processing	Call Waiting, Call Queuing Call Forward, Call Holding, Call Pickup, Callback Redial,Auto-answer Phone directory speed dial, call record direct dial 3-way conference DnD
Application (WEB set)	Enterprise phone directory Banlist
Security	Password Login Web Signaling encryption Media encryption
Management	Upgrade: HTTP/TFTP/PnP auto-provision Configurations: Phone/Web/auto-provision Debug: Telnet/Phone/Web
Power Supply	Power adapter:AC100~240V input and DC 5V/1A output PoE(IEEE 802.af)
Specification	Storage Temperature: 0℃ ~ 60℃ Operating Humidity: 10%~90%

	Operating Humidity:： 10% ~ 90%

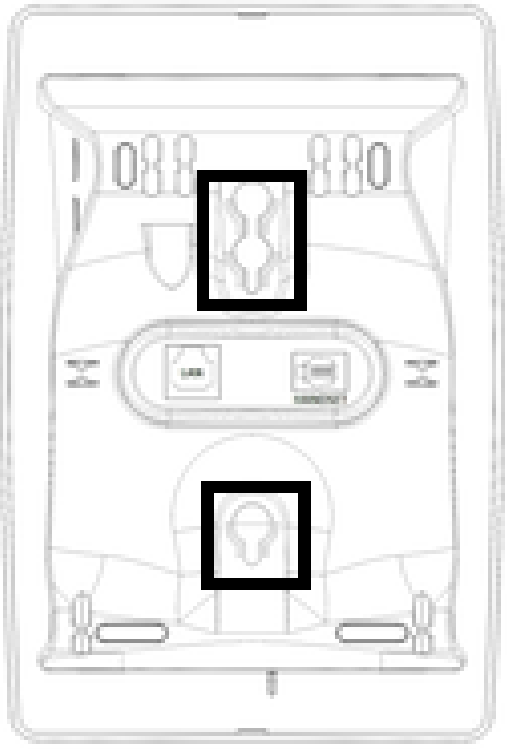
2.Phone overview

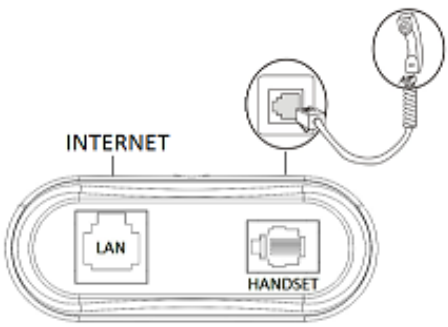
2.1 The unit keys and hardware





Tips: When turn around the bracket, it can wall-mounted.





Hardware component instructions of the HS118 IP Phone are:

ITEM	DESCRIPTION
Navigation Key	UP: 2 DOWN: 8 RIGHT: 6 LEFT: 4
OK Key	Confirm the action In Main Menu: 5 In the text box: vol +
Functions Key	Mute\Redial\Flash\Hold
	Flash keys function: >During a call, press the flash key to enter the transferred pattern with dial tone. The call will be holding. >When transferring the dialing, pressing the flash key can cancel the tr ansferred function. The call still be holding. >Pressing the flash key can recover the on holding call
Speaker Key	Toggles the hands-free speaker phone mode.
Volume Key	Adjusts the volume of the handset, headset, speaker and ringer
Keypad	Provides the digits, letters and special characters in context-sensitive applications.
Message Key	Indicates and accesses voice messages.

3 Basic Features

3.1 Making a Call

Here are some easy ways to place a call on SayHi IP Phone:

If you want to...	**Then...**	
Place a call using the handset	Pick up the handset	--1) You can hear dial tone; --2) Enter a number; --3) Press **#** button (default), -or wait 5s (default), then it send the number automatically.
Place a call using a speakerphone	Press **Speaker** button	

3.2 Redial

To redial the last placed call from your phone

Redial	--Press **REDIAL** button to dial the last number

3.3 Ending a Call

To end a call, hang up. Here are some more details.

Hang up while using the Handset	--Return the handset to its cradle,
Hang up while using the Speakerphone	--Press **Speaker** button that is Red ,

3.4 Using Hold and Recover

You can hold and resume calls. You can take a call in one line at anytime, and the other lines would be hold.

If you want to...	**Then...**
Put a call on hold	--Press **HOLD** button,
Resume a call on current line	--Press HOLD button again

3.5.5 Using Mute

With Mute enabled, you can hear other parties on a call but they cannot hear you. You can use mute in conjunction with the handset, speakerphone.

Toggle Mute on	Press **MUTE** button,
Toggle Mute off	Press **MUTE** button again

3.5.6 Voice Mail

When the Phone get a voice mail from server. it will light up the voice mail button .

Voice Mail	--1） Press the Voice Mail button --2） Enter the User Password --3）It will login into the voice mail server. You need to follow the IVR to do it.

4. WEB User Interface

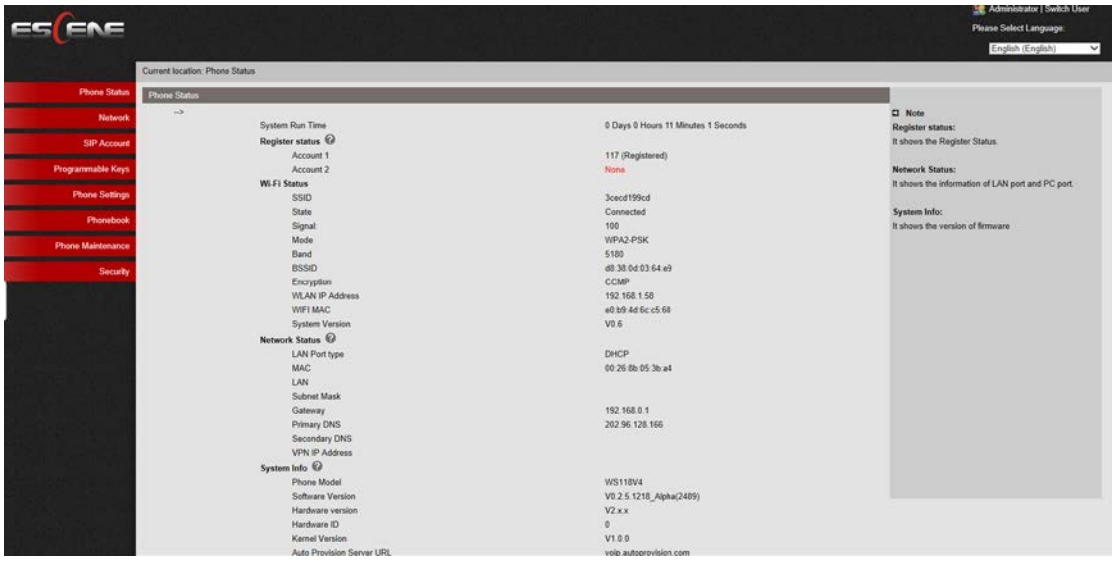
How to know the IP address:

1. **Make sure the network DHCP server working well.**
2. **Power up the phone and press speaker key or handset can make a call.**
3. **When you can hear the "Du" voice, dial *1*1*1 to get the IP address.**

In addition to the phone user interface, you can also customize your phone via web user interface. In order to access the web user interface, you need to know the IP address of your new phone. Enter the IP address (e.g. HTTP://192.168.0.10 or 192.168.0.10) in the address bar of web browser on your PC. The default user name is root (case-sensitive) and the password is root (case-sensitive).

Main Interface-Phone Status

Here you can see as below information: System Run Time, Register Status, Network Status, System Information,

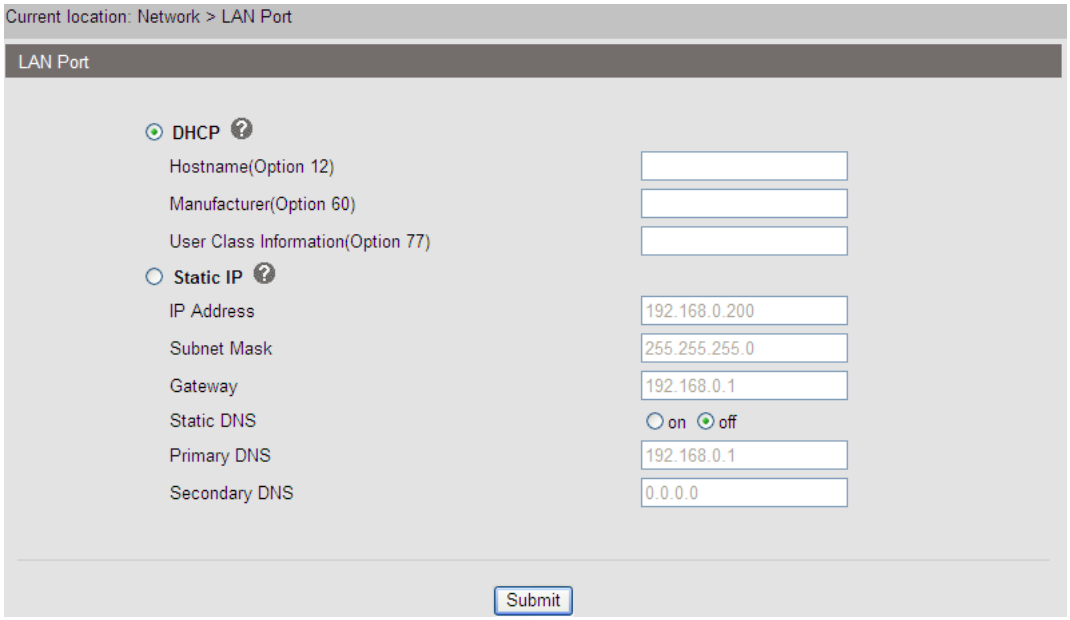


ITEM	DESCRIPTION
System Run Time	The phone system normal running time.
Register Status	The status with Account 2.

Network Status	The status with LAN, MAC, LAN IP, Net mask, Gateway, Primary DNS, Secondary DNS, VPN IP, PC IP, PC Net mask, Device Type, DHCP Server.
System Information	The status with Phone Model, Software Version, Hardware Version, Hardware ID, Kernel Version, Auto-Provision Server URL, TFTP Server IP.

4.1 Network

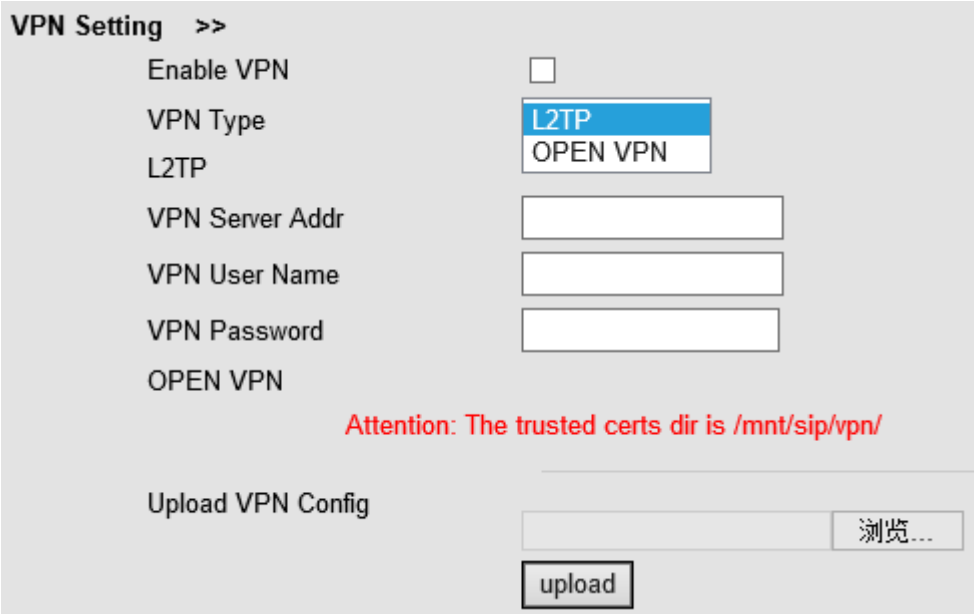
4.1.1 IP Setting



ITEM	DESCRIPTION
Network Connection Mode	Network Connection Mode has DHCP, Static IP
DNS Settings	Select the DNS mode that you want.

4.1.2 Advanced

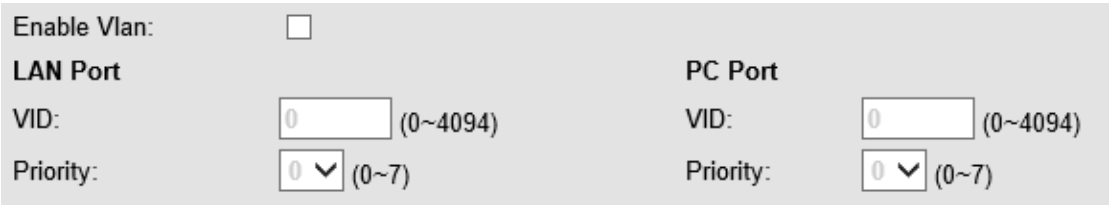
VPN Setting



When using VPN Setting option, you can set several parameters as follow:

VLAN Setting	
Enable VPN	You can enable/disable VPN for phone and pc.
VPN Type:	Choose the appropriate type of VPN.
VPN Server Addr	VPN server's IP.
VPN User Name	VPN user's name
VPN Password	A password be used for authentication
OPEN VPN	Upload the *.ovpn file to the phone

VLAN Setting

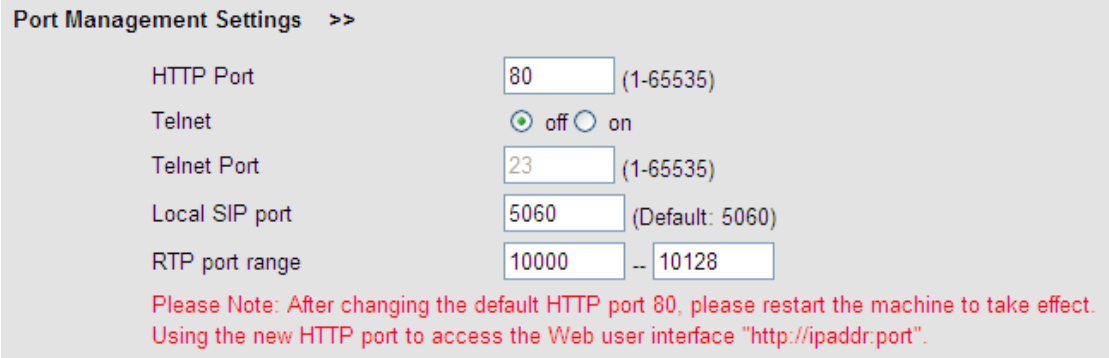


When using VLAN Setting option, you can set several parameters as follow:

VLAN Setting	
Enable VLAN	You can enable/disable vlan for phone and pc

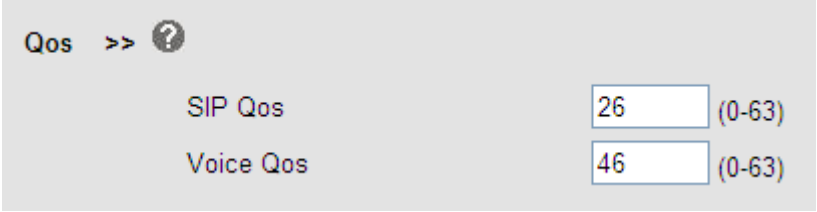
VID [LAN/PC Port]	The vlan ID you want the phone or pc to join

Port Management Settings



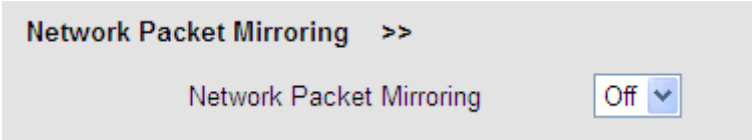
Port Management Settings	
HTTP Port	The default web port is 80,if you want to change it(for example change it to88), You must input IP and Web port to login the web page(for example HTTP://192.168.0.200:88). It will take effect on next reboot.
Telnet Port	The default Telnet port is 23,if you want to change it(for example change it to 2003). You must input IP and Telnet port to login the manage page (for example telnet 192.168.0.200:2003).It will take effect on next reboot.

QoS



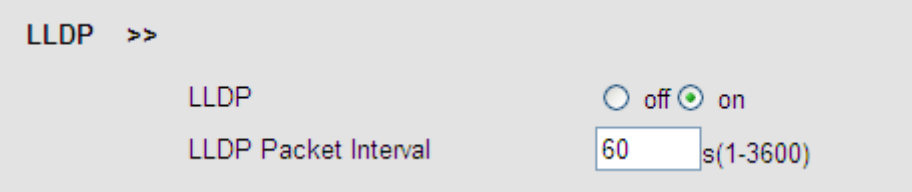
ITEM	DECSRIPTION
SIP QoS	The range is 0~63,default is 26
Voice QoS	The range is 0~63,default is 46

Network Packet Mirroring

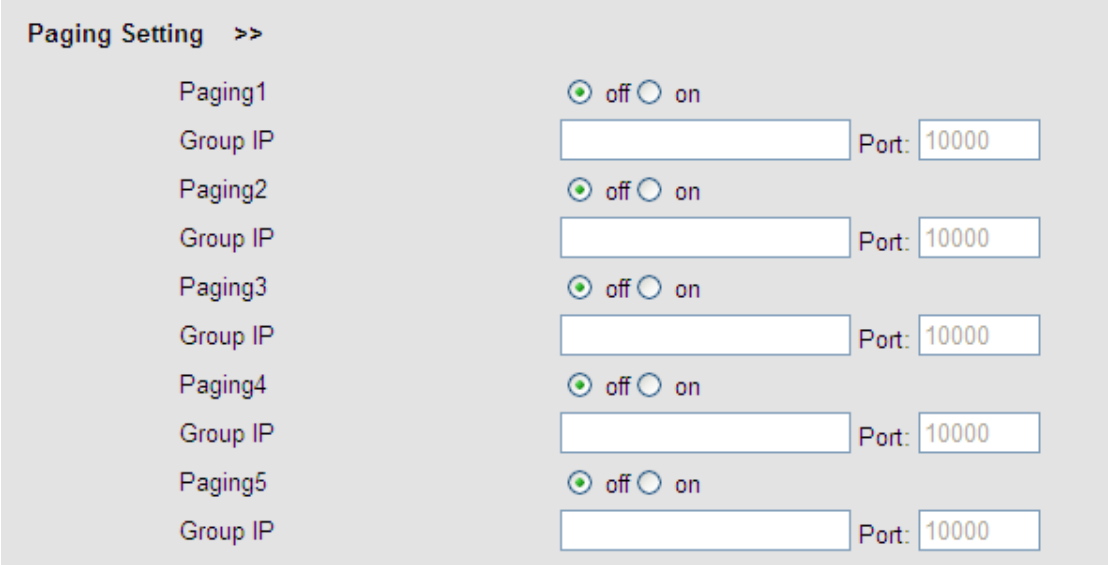


Network Packet Mirroring	When select on, then you can capture the phone's packet use notebook which connect to pc port of the phone

LLDP

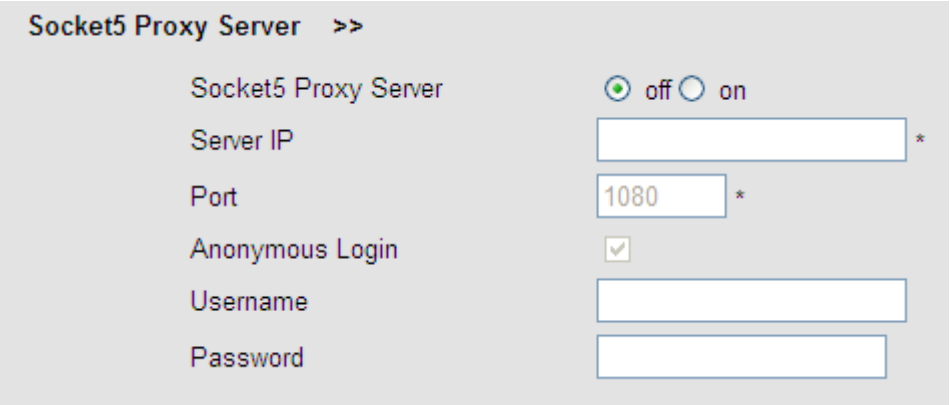


Paging Setting



Paging Setting(NOTE: This feature priority is followed the serial number, In other words, "paging 1" is the highest priority)	
Paging1	Enable/Disable Paging feature.
Group IP and Port	Group IP and Port with Paging.

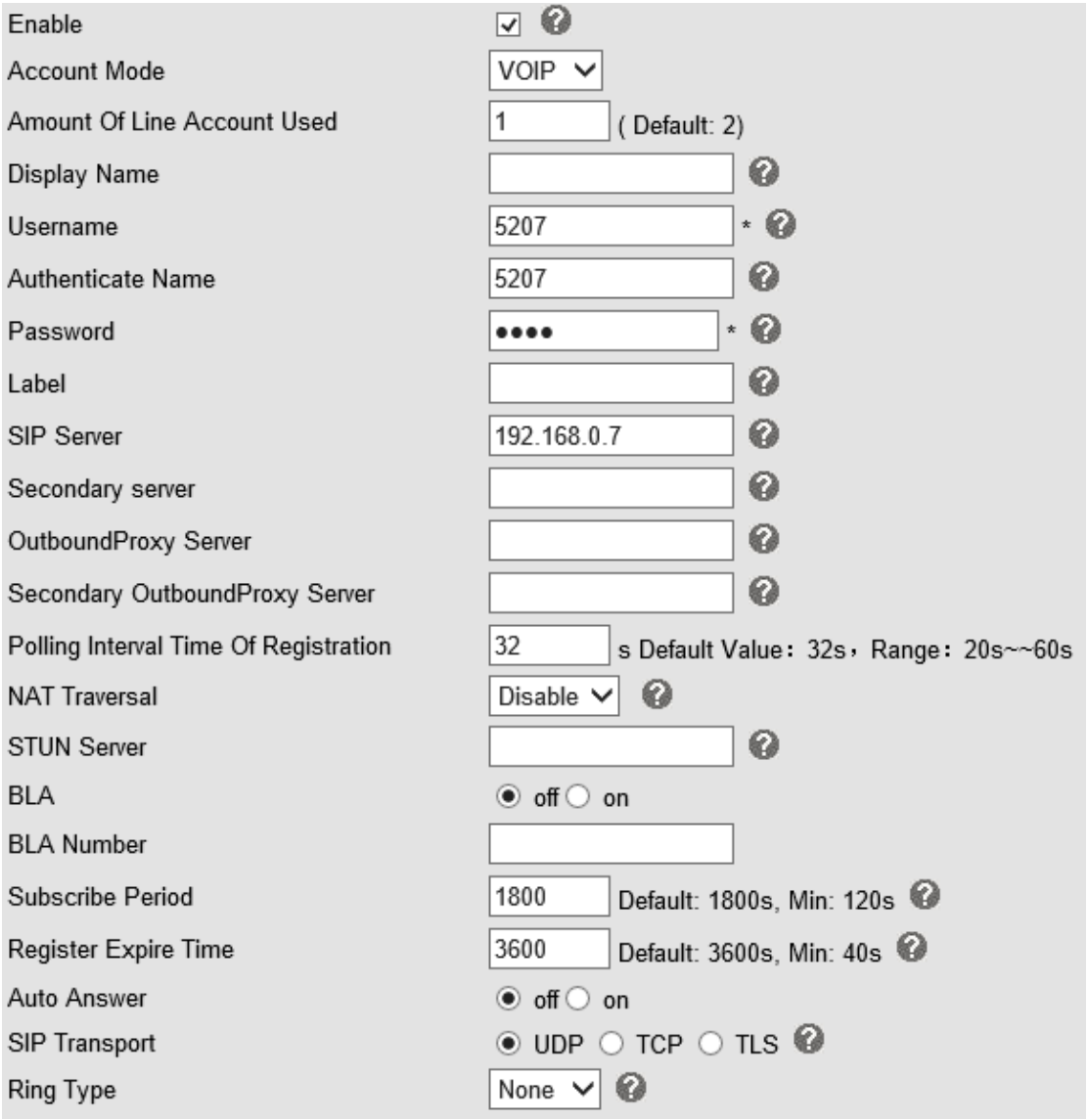
Socket5 Proxy Server



Socket5 Proxy Server	
Socket5 Proxy Server	Enable/Disable Socket5 Proxy Server.
Server IP	Socket5 Proxy Server IP address.
Port	Socket5 Proxy Server port, default is 1080.
Anonymous Login	Enable/Disable Socket5 Proxy Server login username.

5 SIP Account

5.1 Basic

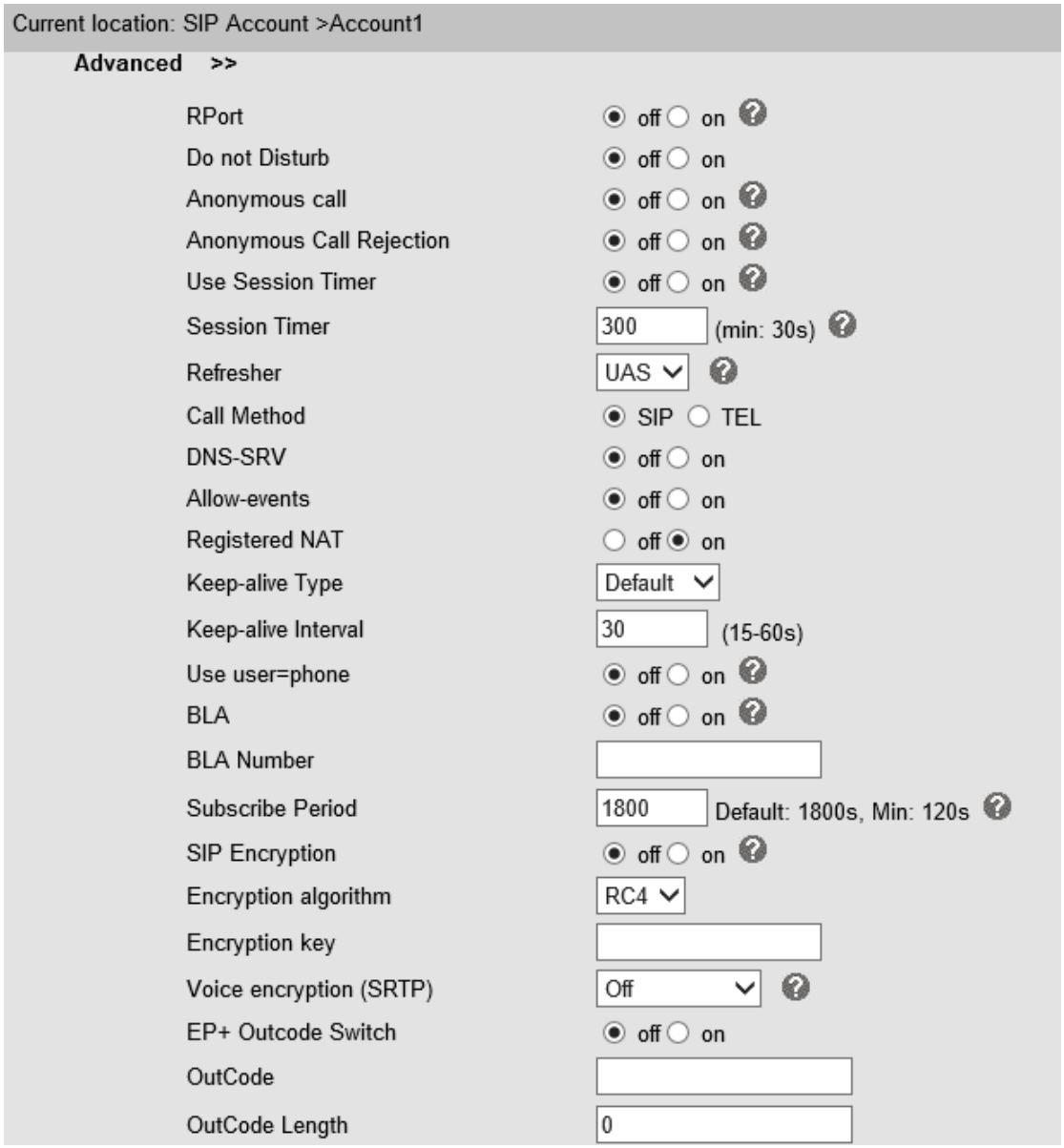


Choose one Account, you will find the following parameters:

ITEM	DECSRIPTION
Enable	You can choose on/off to enable/disable the line.
Account Mode	You can choose VOIP/PSTN, but this model nonsupport PSTN, If you need, Pls contact us to buy another model that can supports PSTN.
Amount Of Line Account Used	The line key of account used, default is 2
Display Name	It is showed as Caller ID when making a phone call

Username	It is a username provided by SIP Server
Authenticate Name	It is authenticated ID for authentication
Password	It is a password provided by SIP Server
Label	Label with this account.
SIP Server	Server for registration, provided by administrator
Secondary server	When the main server can't work, it also can register in this secondary server.
Outbound Proxy Server	Put into the address with the outbound proxy server.
Secondary Outbound Proxy Server	When the main out bound server can't work, it also can use this secondary server.
Poling Interval Time Of Registration	Poling Interval Time Of Registration, default is 32 s.
NAT Traversal	Defines the STUN server will be active or not
STUN Server	Session traversal utilities for NAT.
BLA	Share with the line.
BLA Number	BLA Number
Subscribe Period	Subscribe expire time.
Register Expire Time	IP phone automatically registered every time
SIP Transport	There are UDP/TCP/TLS three options
Ring Type	Select this account ringing type.

5.2 Advanced



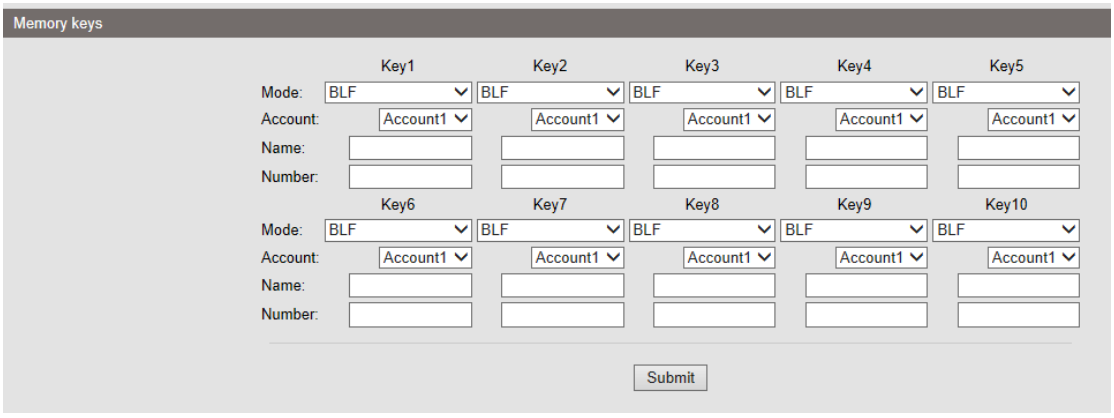
ITEM	DECSRIPTION
Advanced	
Do Not Disturb	Enable/Disable Do Not Disturb
Anonymous Call	Enable/Disable anonymous call.
Anonymous Call Rejection	Enable/Disable anonymous call rejection.
Use Session Timer	Enable/Disable refresh session function. The device will send an Invite packet to refresh the session during a call if it enable.
Session Timer	The refresh session time interval.

Call Method	This method include SIP and TEL.
DNS-SRV	Enable/Disable DNS-SRV.
Allow-events	Enable/Disable Allow-events.
Registered NAT	Enable/Disable Registered to NAT
UDP Keep-alive Message	The phone periodically sends a UDP packet to keep the port active and to avoid the server to shut down the port
UDP Keep-alive Interval	Default is 30 second.
SIP Encryption	Enable/Disable SIP encryption.
RTP Encryption	Enable/Disable RTP encryption.
Encryption Algorithm	The encryption algorithm at this time we only have RC4.
Encryption Key	The key with encryption.

6 Programmable keys

6.1 Memory keys

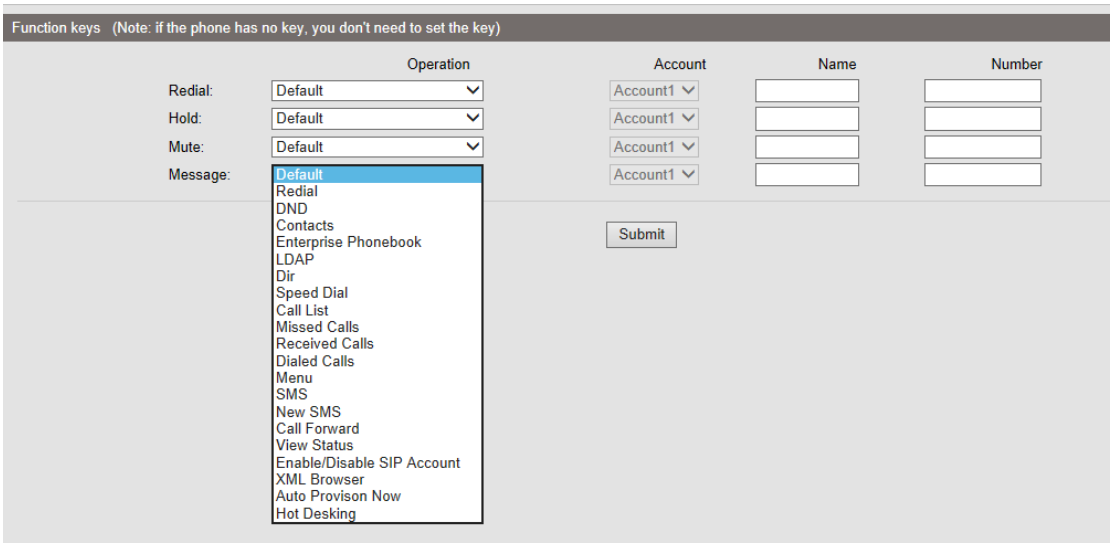
The definition of memory keys features



6.3 Function Keys

Function Keys: If you do not like the default setting with the function keys feature. You can change to whatever you like.

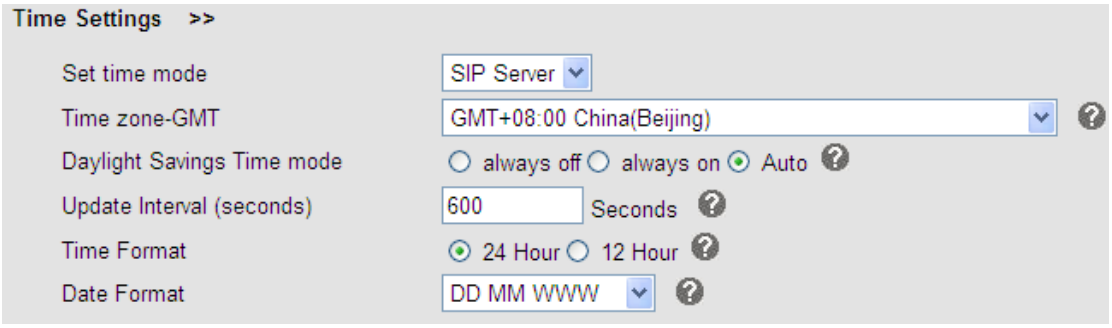
NOTE: IF THE PHONE WITHOUT THE KEY, YOU CAN IGNORE IT.



7 Phone Setting

7.1 Basic

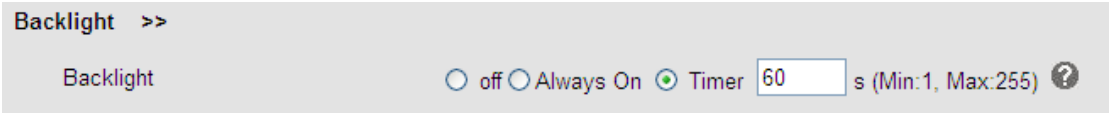
7.1.1 Time Settings



ITEM	DECSRIPTION
Time Settings	
Set Time Mode	Include SNTP/SIP Server/PSTN/Manual
SNTP Server	You can select in the list or input owner server address.
Update Interval	The update interval with SNTP.
Day Light Saving Time	Enable/disable the DST for the phone
Time Format	You can use 24 hour time format or 12 hour time format
Date Format	You can choose the appropriate time format.

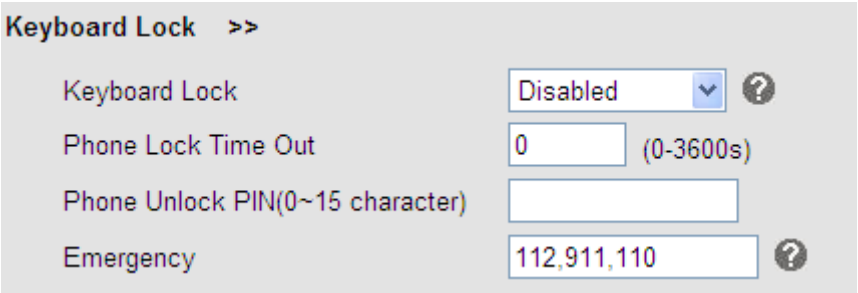
Time Zone-GMT	You can select different time zone for the phone
Manual Setting	Setting time manually.

7.1.2 Backlight



Back Light	The backlight of the phone LCD.

7.1.3 Keyboard Lock



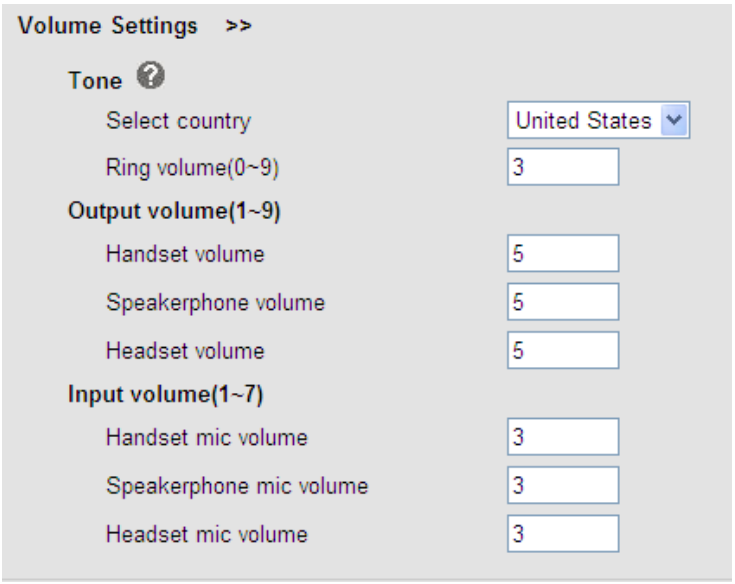
Keyboard Lock	Enable/Disable keyboard lock, you can lock: MENU Key, FUNCTION Key., ALL Keys, LOCK all keys but auto Answer.

7.1.4 Ring

Ring	
Ring Type	Select the ring type. Default is Ring 1.
Uploading Ring Tone	Please upload a ring tone with G711A audio coding, Maximum 10 rings

	and the total sizes must less than 150k.

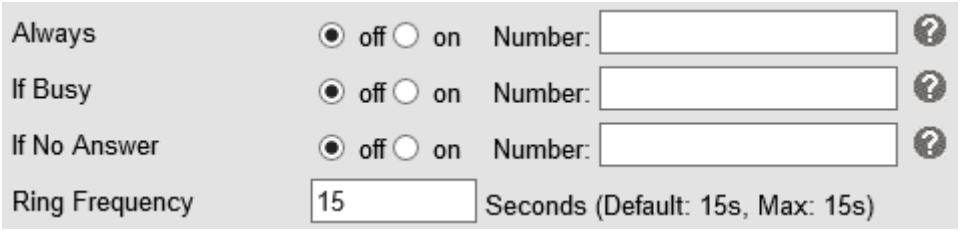
7.1.5 Volume Setting



ITEM	DECSRIPTION
Basic	
Select Country	Select the country dial tone. Default is United States.
Ring Volume	The ring volume default is Lv3, the range is 0~9.
Handset Volume	The handset volume default is Lv5, the range is 1~9.
Speaker Phone Volume	The speaker volume default is Lv5, the range is 1~9.
Headset Volume	The headset volume default is Lv3, the range is 1~9.
Handset MIC Volume	The handset MIC volume default is Lv3, the range is 1~7.
Speaker Phone MIC Volume	The speaker MIC volume default is Lv3, the range is 1~7
Headset MIC Volume	The headset MIC volume default is Lv3, the range is 1~7

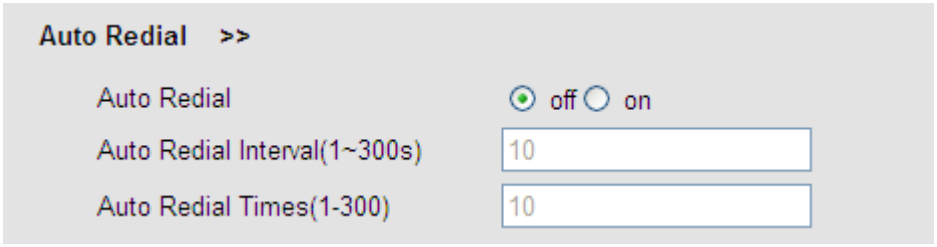
7.2 Features

7.2.1 VoIP Call Forward

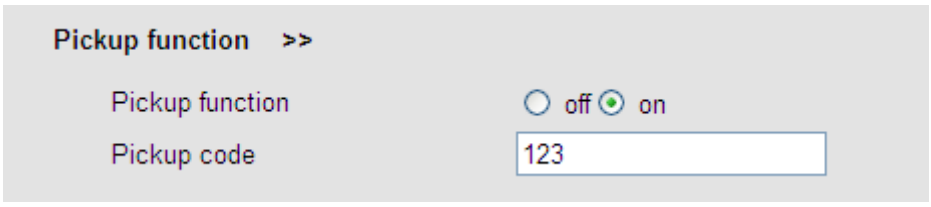


ITEM	DECSRIPTION
Always	All ways transfer the call to others.
If Busy	If the phone was busy working, the call will be transfer to others.
If No Answer	If the phone was no answer, the call will be transfer to others.
Ring Frequency	The ring frequency with the VOIP Call Forward.

7.2.2 Auto Redial



7.2.3 Pickup function



7.2.4 Hotline function

Hot Line function	When you pick up the handset, it will dial out with the hot number.
Hot Number	Input the number what you want to.

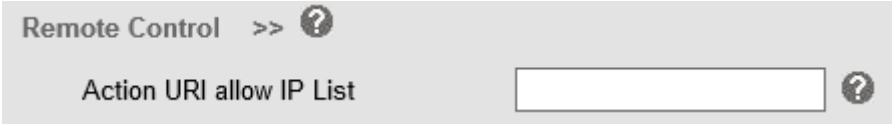
7.2.5 Auto Answer

Default value is on, Values can be changed accordingly。

Auto Answer	Auto-answer the coming call, it also can filter a contact group.
Auto Answer Mode	Auto-answer the coming call, it also can filter a device to answer.

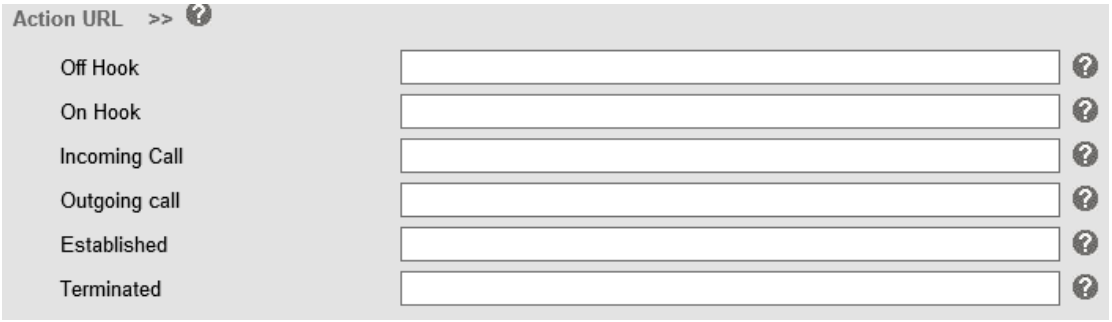
7.2.6 Remote Control

A Third party is permitted to control this device



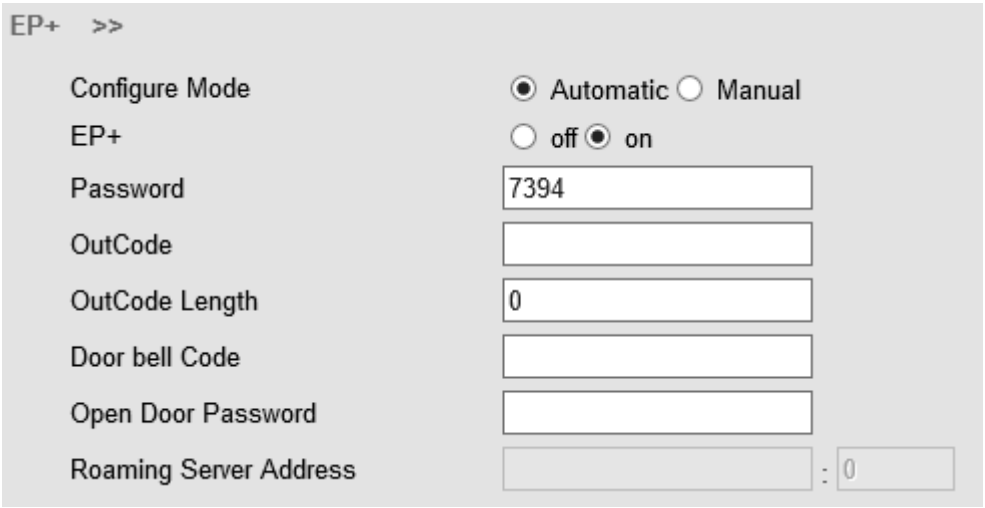
7.2.7 Action URL

The device will send orders to action URL initiative。



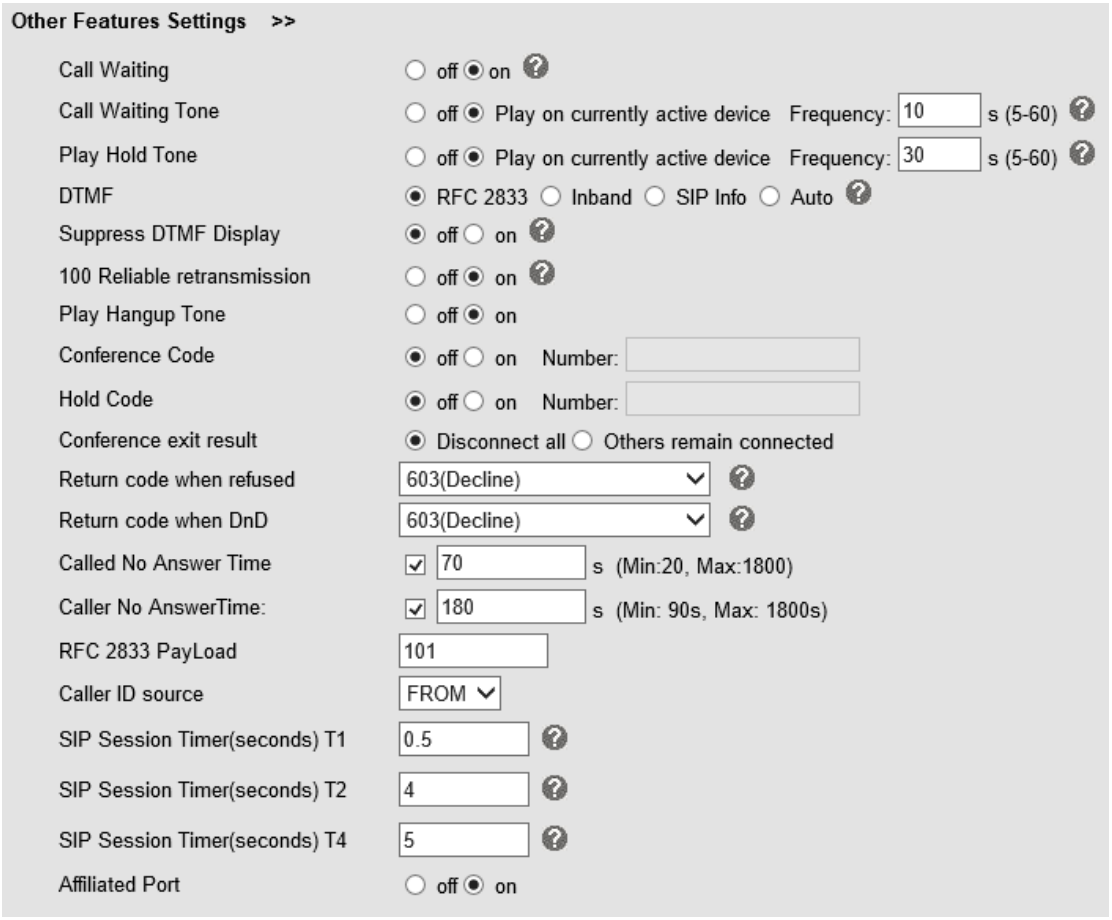
7.2.8 EP+

EP+ options are for the users who download the EP+ application on mobile phone. After Completing below settings, EP+ will be activated. For more details, please refer to www.escene.cn/en



7.2.9 Other features settings

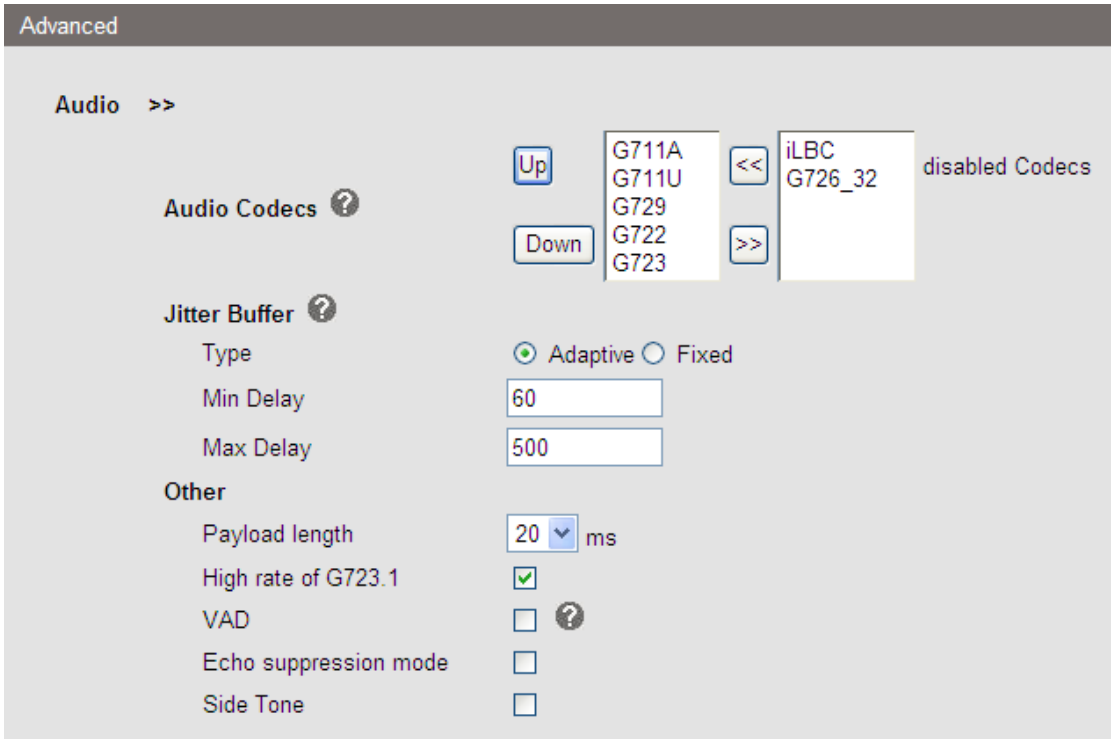
For other features such as call waiting, DTMF etc.



ITEM	DECSRIPTION
Call Waiting	When there's coming a call or the phone is talking, the second call will be in the queue.
Call Waiting Tone	Select the frequency with the tone when call waiting.
DTMF	The DTMF transmitted mode, include RFC2833,Inband,SIP Info, Auto

7.3 Advanced

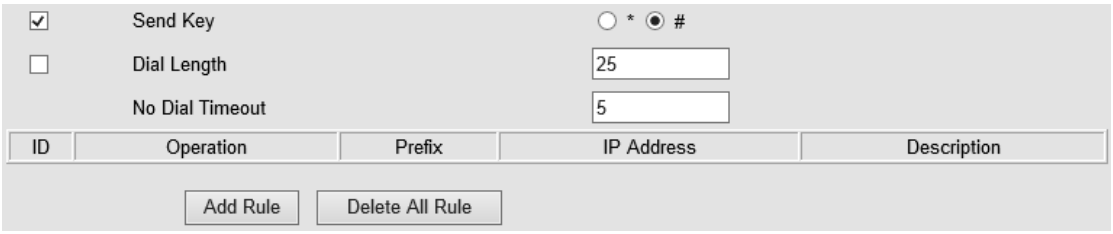
7.3.1 Audio



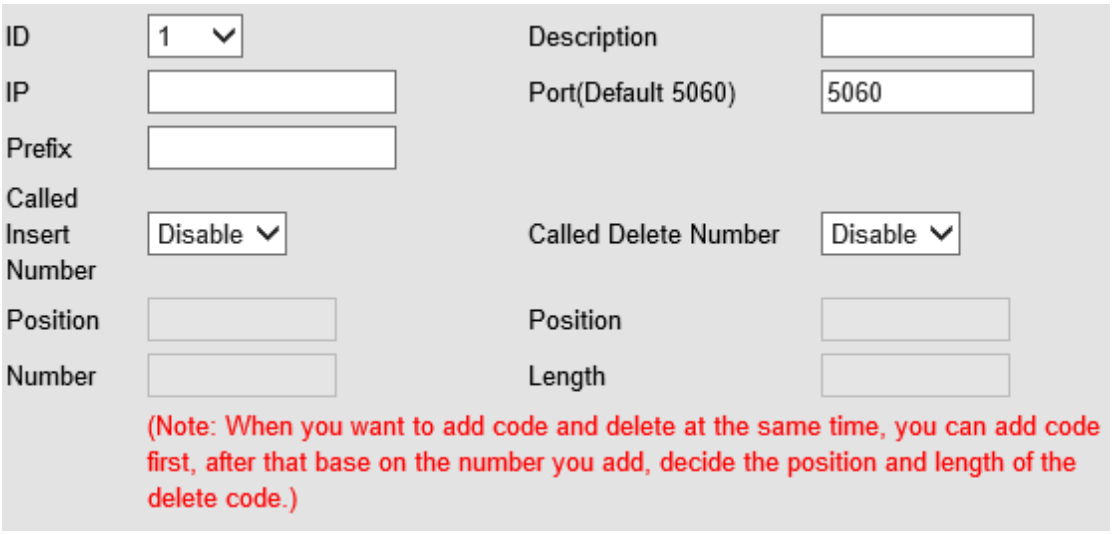
ITEM	DECSRIPTION
Audio Codec	Use the navigation keys to highlight the desired one in the Enabled/Disable Codes list, and press the >> / << to move to the other list.
Jitter Buffer	
Type	The type of Jitter Buffer is Adaptive or Fixed, default is adaptive.
Min Delay	The min delay range setting , default is 60.
Max Delay	The max delay range setting , default is 150.
Normal Delay	The normal delay range setting , default is 120.
Other	
Play Load Length	The play load length setting, default is 30ms.
High Rate Of G723.1	Enable/Disable High Rate of G723.1 feature.
VAD	Enable/Disable VAD feature.
Echo Suppression Mode	Enable/Disable Echo Suppression Mode feature.
Side Tone	Enable/Disable Side Tone feature.

7.3.2 Dial Plan

If you want to setup a dial plan, you can click "Dial Plan"



ITEM	DECSRIPTION
Send Key	Select the default send key mode you want to use.
Dial Length	Enable this feature will limit the dial length. Default is 25.
No Dial Timeout	Setting the range with no dial timeout, default is 5.
Dial Rule	Select the Add Rule button to add dial rule, pls see as below detail.



ITEM	DECSRIPTION
ID	Dial Plan ID
IP	The ip of a phone which you want to call
Description	Description with this dial rule.
Port	Setting the Port with this dial rule, default is 5060.
Prefix	The number which you need to press actually if you want to call the phone
Called Insert Number	There have two option, Enable or Disable.
Position	Which position you want insert the number
Number	Which number you want to insert
Called Delete Number	There have two option, Enable or Disable.

NOTES: If you want to know more detail about Dial Rule, pls find it in the official website to

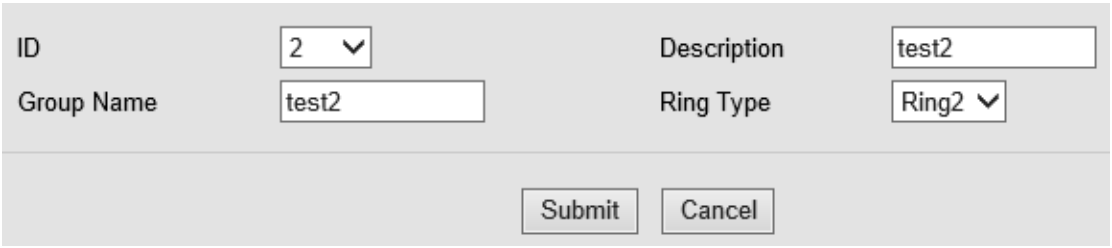
download the specific document. HTTP://www..cn/en.

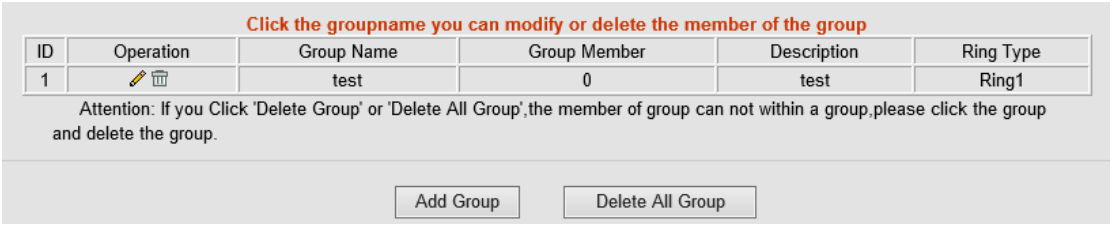
8 Phone Book

The phone book including Group, Contact, LDAP and Ban list, please review the following for more details:

8.1 Group

You can add, edit and delete group in a phone book on this web page.





If you want to add a Group, you just ought to click ‘Add Group’ .

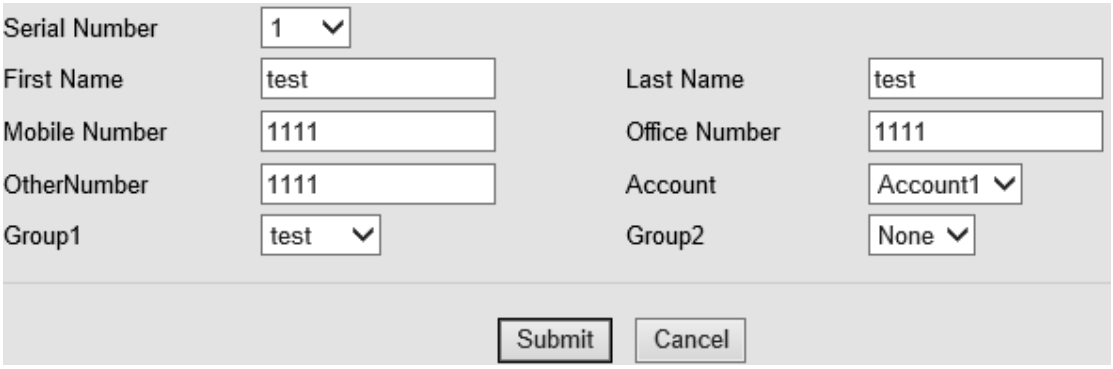
You can edit an existed Group by click .

You can delete an existed Group by click , if you want to delete all Groups, you just ought to click ’Delete All Group’.

8.2 Contact

You can add, edit and delete contact in a phone book on this web page .

The phonebook can storage 300 contacts entry



If you want to add a Contact, you just ought to click 'Add Contact' .

You can edit an existed Contact by click .

You can delete an existed Contact by click , if you want to delete all Contacts, you just ought to click 'Delete All Contact'.

You can edit or move this contact to Ban List after you select .

You can download and save this contact to PC after you select .

8.3 LDAP

NOTES: If you want to know more detail about LDAP, pls find it in the office website to download the specific document. HTTP://www..cn/en. As below figure is an example.

e.g.

LDAP Name Filter:(sn=%s)

LDAP Number Filter:(telephoneNumber=%s)

Server Address:192.168.0.65

BASE:DC=ldap,DC=,DC=com

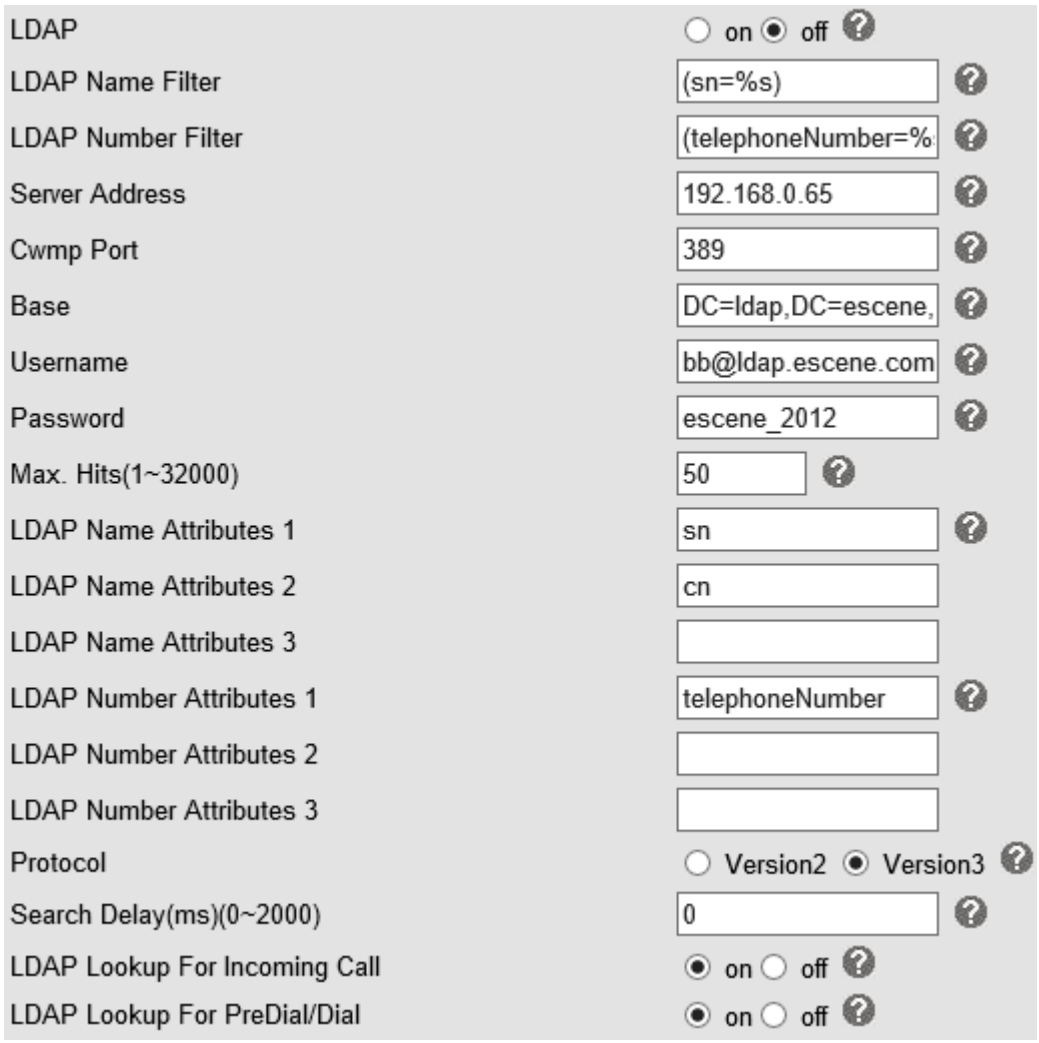
User Name： bb@ldap..com

Pass Word： _2012

LDAP Name Attributes 1:sn

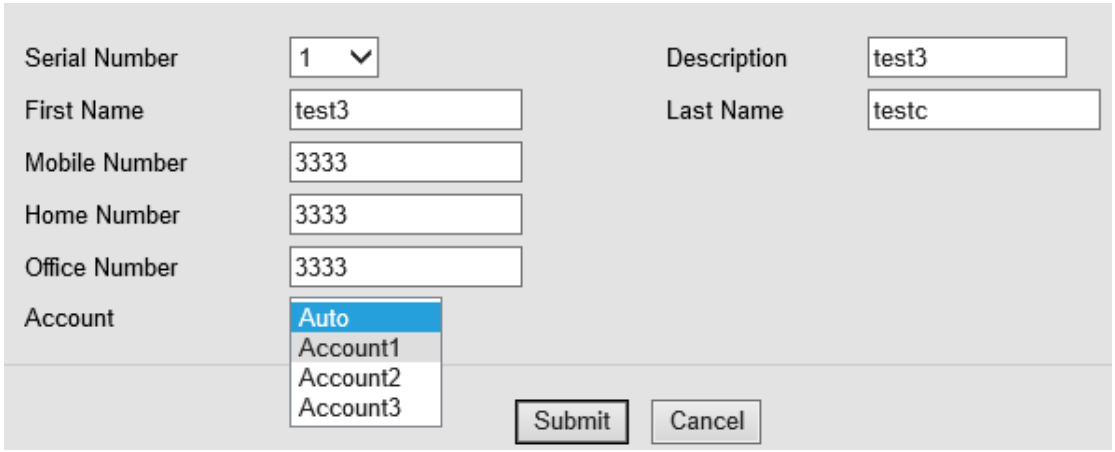
LDAP Name Attributes 2:cn

LDAP Number Attributes 1:telephoneNumber



8.4 Blacklist

You can add, edit and delete contact in a Ban List on this web page .



If you want to add a Ban List, you just ought to click 'Add Ban List'.

You can edit an existed Ban List by click .

You can delete an existed Ban List by click , if you want to delete all Ban List, you just ought to click 'Delete All Ban List'.

You can edit or move this contact to Contact after you select .

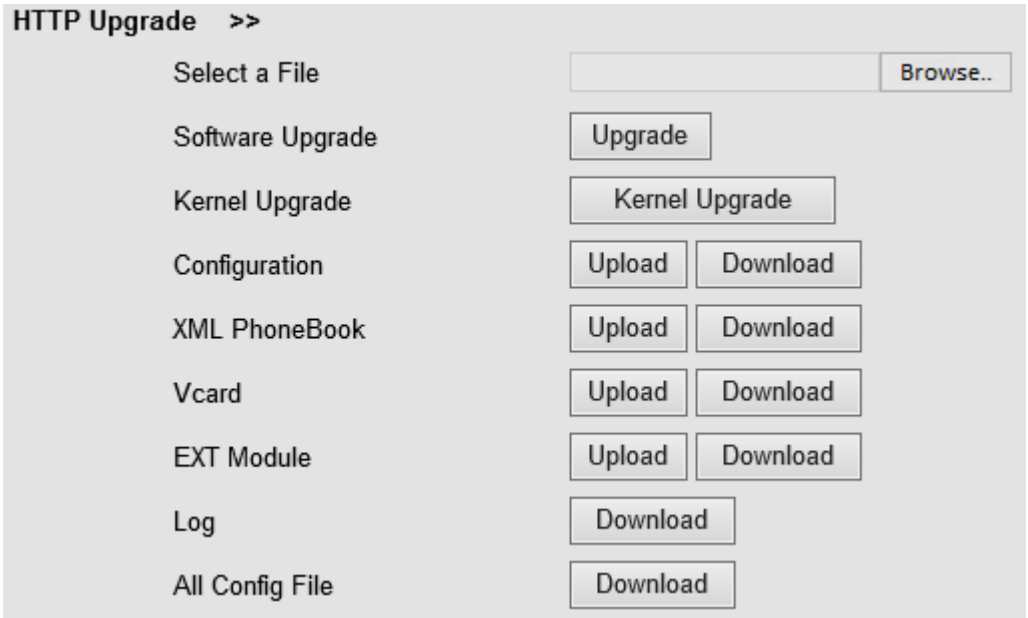
9 Phone Maintenance

9.1 Basic

NOTES: Don't cut off the electricity or network cable when doing upgrade in the below ways!

9.1.1 HTTP Upgrade

You can upgrade the software, kernel and configuration etc. files by HTTP.



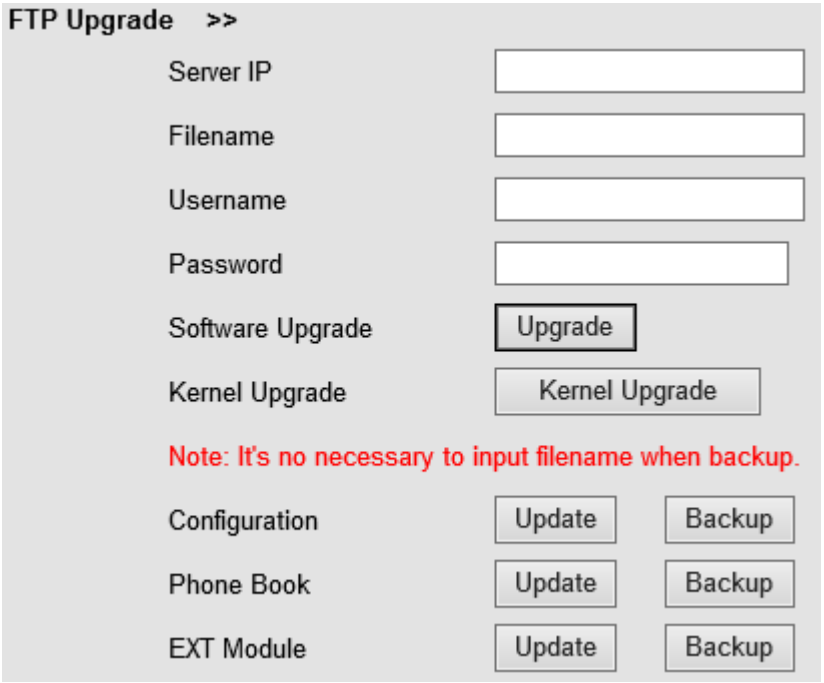
When using HTTP upgrade, you can set several parameters as follow:

HTTP Upgrade	
Select a File	Browse the software/kernel/configuration file which you need to upgrade

	from HTTP
Software Upgrade	Used for upgrading the software of the phone
Kernel Upgrade	Used for upgrading the kernel of the phone
Configuration	You can used upload/download to upload/download the configure file of the phone
XML Phone Book	Used for uploading/downloading the XML phonebook of the phone
Vcard	Downloading all contacts in the Vcard mode, but upload only support one by one.
EXT Module	Used for updating/backup the expansion of the phone **[NOTES：The mode doesn't support this feature]**
Log	Used for the administrator to find out or making sure the problem with this equipment.
All Config File	All Config File includes: Configuration, Extern, Log, XML Phone book, Enterprise Phone Book.

9.1.2 FTP Upgrade

You can upgrade the software, kernel and configure files by FTP.



When using FTP upgrade, you can set several parameters as follow:

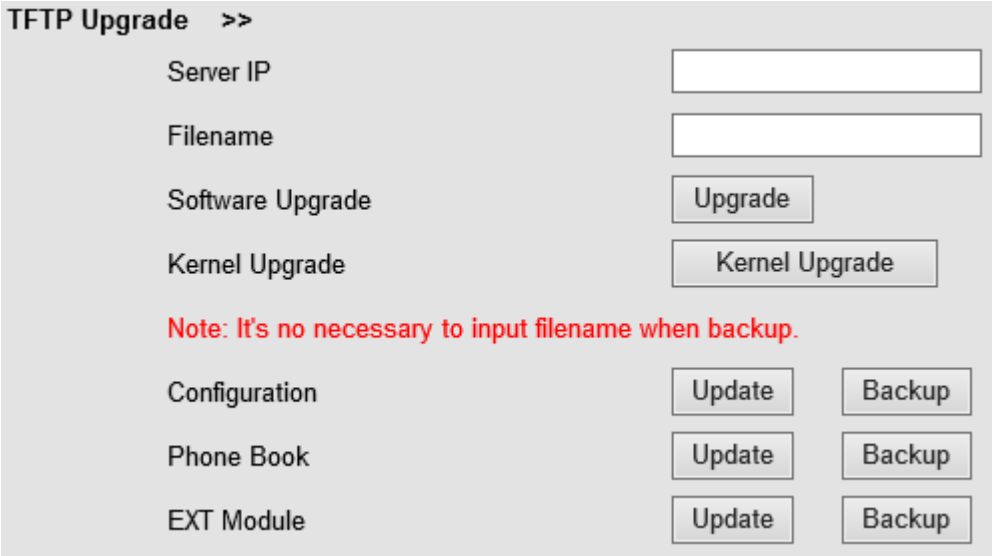
FTP Upgrade	
Server IP	The IP address of the FTP server
Filename	Downloading from FTP server
Username	Providing by FTP server

Password	Providing by FTP server
Software Upgrade	Used for upgrading the software of the phone
Kernel Upgrade	Used for upgrading the kernel of the phone
Configuration	Used for updating/backup to update/backup the configure file of the phone
Phone Book	Used for updating/backup to update/backup the phonebook of the phone
EXT Module	Used for updating/backup the expansion of the phone **[NOTES： The mode doesn't support this feature]**

NOTES: It's not necessary to input filename when doing backup Configuration, Phone Book, EXT Module.

9.1.3 TFTP Upgrade

You can upgrade the software, kernel and configure files by TFTP.



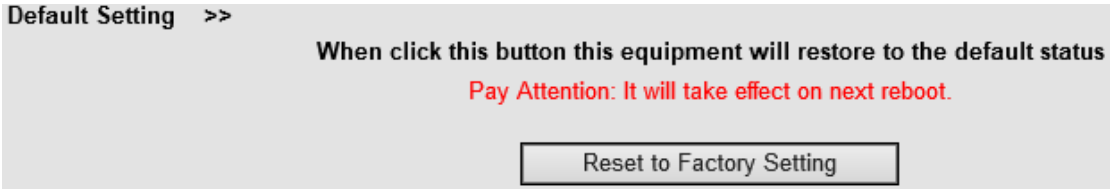
When use TFTP upgrade, you can set several parameters as follow:

TFTP Upgrade	
Server IP	The IP address of the TFTP server
Filename	Downloading from FTP server
Software Upgrade	Used for upgrading the software of the phone
Kernel Upgrade	Used for upgrading the kernel of the phone
Configuration	Used for updating/backup the configure file of the phone
Phone Book	Used for updating/backup the phonebook of the phone
EXT Module	Used for updating/backup the expansion of the phone **[NOTES： The mode doesn't support this feature]**

NOTES: It's not necessary to input filename when doing backup Configuration, Phone Book, EXT Module.

9.1.4 Default Setting

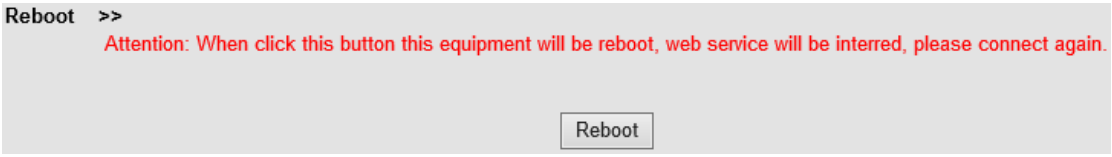
You can load the phone to the factory default setting in default setting option.



Press the 'Reset to Factory Setting' option, the phone will load to factory default setting on next reboot.

9.1.5 Reboot

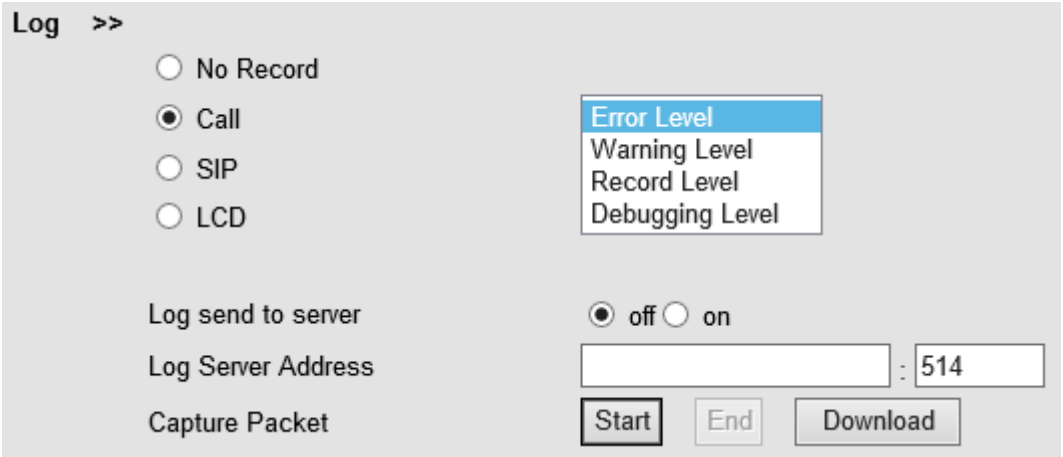
You can use reboot option to reboot the phone.



9.2 Advanced

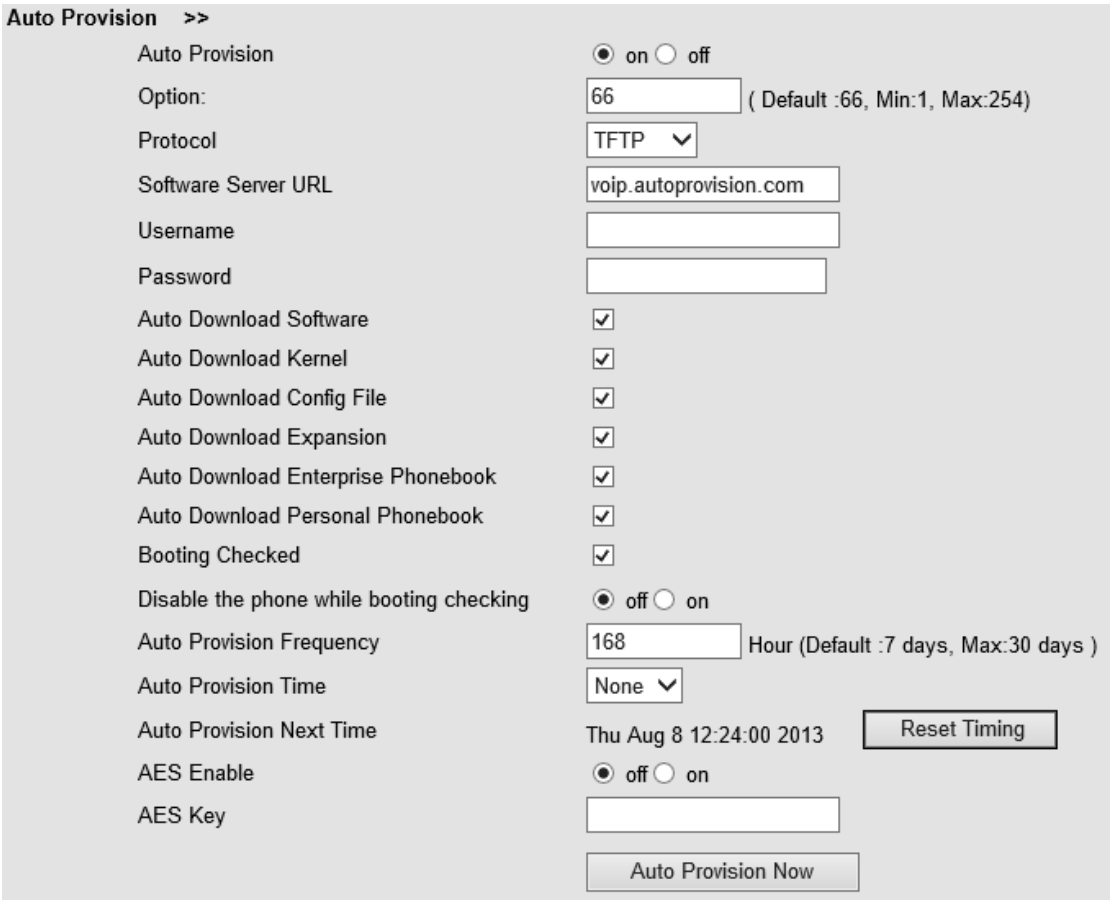
9.2.1 Log

This feature is use for the administrator to managing the equipment, like debugging, SIP etc,. If you need to catch a debugging Level, you need to setup on this interface.



9.2.2 Auto Provision

When you open this auto provision feature, the phone will do auto provision after it detect a different software or kernel (Higher or Lower) which are putted on the TFTP,HTTP,HTTPS,FTP, server. For the detailed information about auto provision, you can find it in the official website: HTTP://www..cn/en



When using auto provision, you can set several parameters as follow:

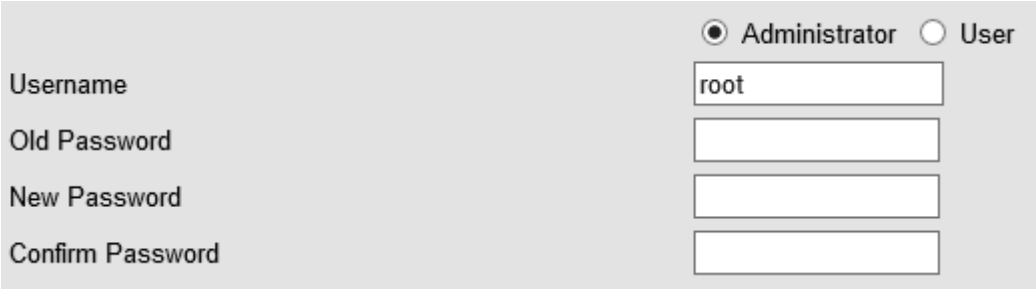
Auto Provision	
Auto Provision	You can enable/disable auto provision by select on/off
Protocol	Used for auto provision, it includes TFTP/HTTP/FTP
Software Server URL	The server address of the auto provision
Username	Providing by provision server
Password	Providing by provision server
Auto Download Software	Used for auto download software from server
Auto Download Kernel	Used for auto download kernel from server
Auto Download Config File	Used for auto download config file from server
Auto Download Expansion	NOTES: The model doesn't support this feature.
Auto Download Enterprise Phonebook	Used for auto download Enterprise Phonebook from server

Auto Download Personal Phonebook	Used for auto download personal phonebook from server
Booting Checked	Used for checking the auto provision when phone booting
Disable the phone while booting checking	Enable/Disable the booting checking feature.
Auto Provision Frequency	Used for setting the time interval for auto provision
Auto Provision Time	Used for the specific time for auto provision
Auto Provision Next Time	Reset the Auto Provision Next Upgrading time.
AES Enable	You can enable/disable AES encrypt for auto provision
AES Key	The key of the AES
Auto Provision Now	Used for doing auto provision immediately

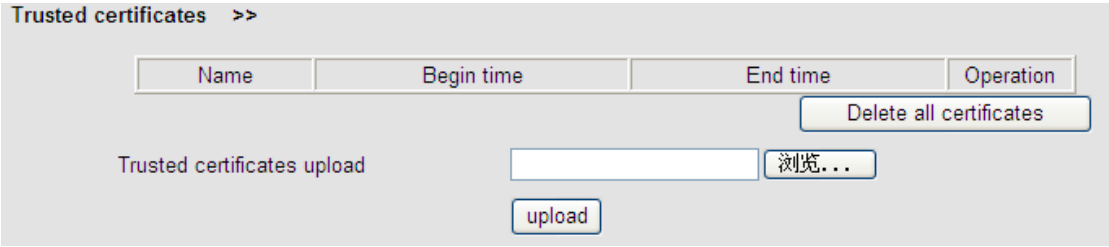
10 Security

10.1 Password

Here you can setting the administrator or user WEB password management. Select your type. If you login as an administrator, you can modify both the user's and admin's passwords.



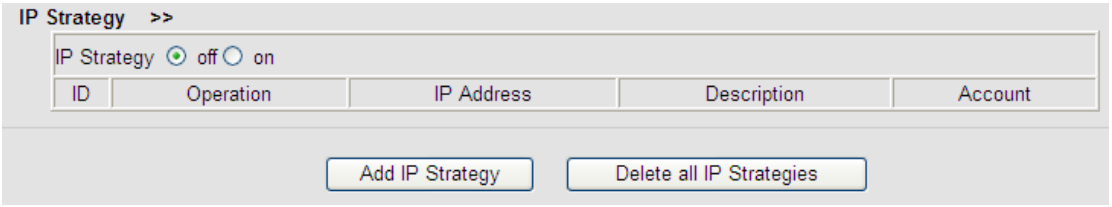
10.2 Trusted Certificates



10.3 IP Strategy

You can use IP Strategy feature to make a list which can be set to only allow the incoming call on the list.

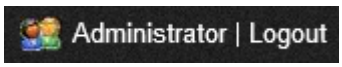
e.g. As following picture you can see it has 192.168.0.248 in the list. When you open this feature. It means you just allow come from this IP address meeting



11 WEB Other Settings or Information - Appendix

11.1 WEB User

In the upper right corner of the website page, you can select the user or logout.



11.2 Multi-Language

In the upper right corner of the website page, you can select the language in the below list.

11.3 Note Tips

In the right middle of the website page, there is a Note tips in every function page. Hope it can

help you to know something about that.

Note

Register status:

It shows the Register Status.

Network Status:

It shows the information of LAN port and PC port.

System Info:

It shows the version of firmware