



# WS118 IP Phone

## User Manual



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**Escene Communication Co.Ltd**

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**Tips : Under the paper, there hide a 1.5 inch 132x64 pixel black&white LCD screen.**

# 1. Getting Started

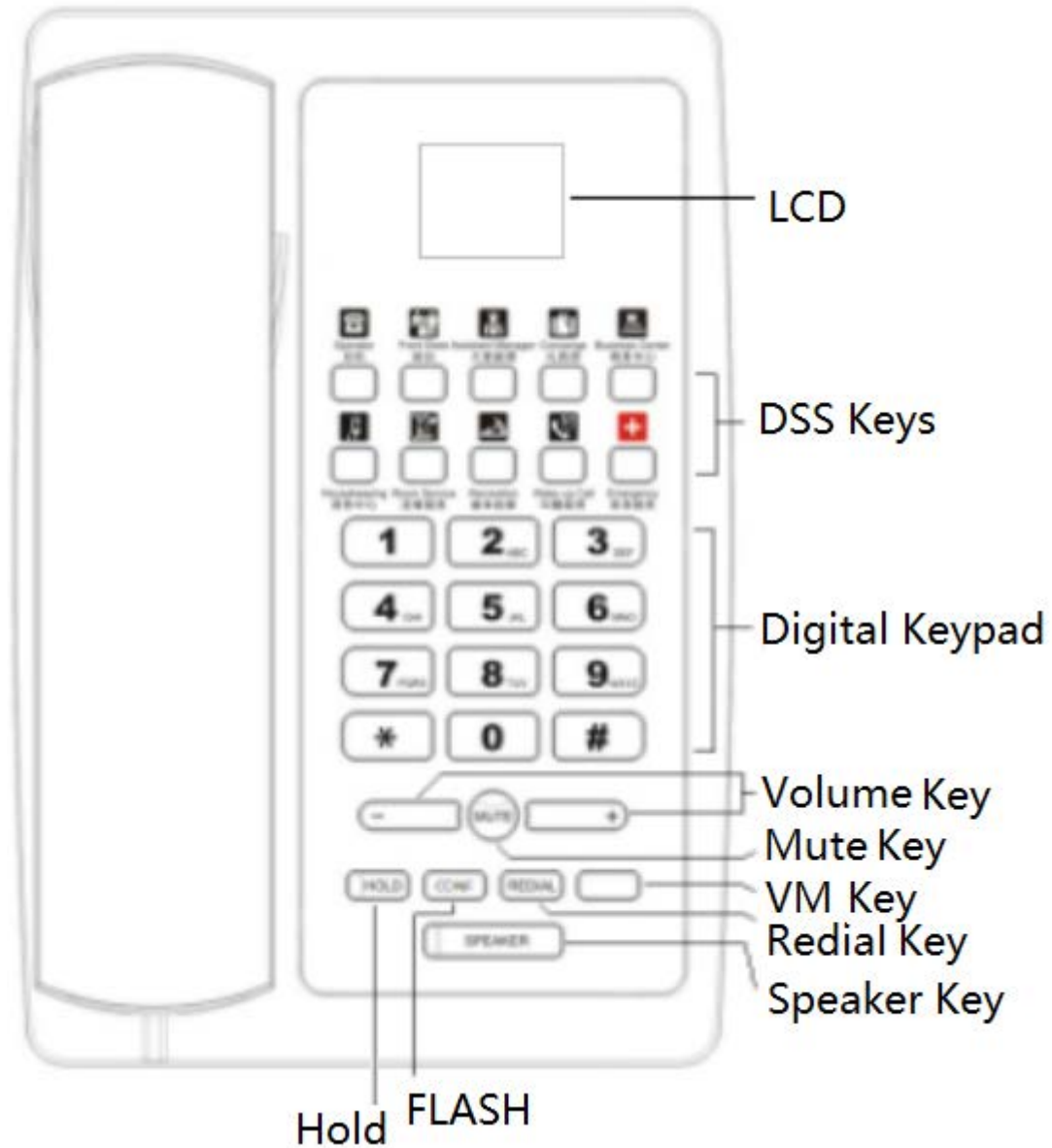
## Technical Features

Item	Technical Features
<b>Language</b>	English, Chinese, French, Italian, Russian, Spanish, Turkish etc
<b>Line</b>	2
<b>Function Keys</b>	Programmable Keys、 Line Keys、 Number Keys and Function Keys
<b>Voip Protocol</b>	SIP 2.0
<b>Network Protocol</b>	HTTP、 BOOTP、 FTP、 TFTP、 IEEE 802.1Q
<b>Codec</b>	G.723.1 (5.3K 6.4K b/S)、 G.729 A (8Kb/s)、 G.711 A/U (64Kb/S)、 G.722(64Kb/S)
<b>QoS</b>	TOS, Jiffer Buffer, VAD, CNG, G.168 (32ms)
<b>Network</b>	1*RJ45 10/100M Ethernet interfaces(LAN) IP Assignment: Static IP or DHCP VPN(L2TP) ,VLAN/QoS DNS Clients (Primary and Secondary)
<b>Speech</b>	Handset, Headset or Hand-free Mode, Call center headset and 3.5mm headset supported 9-levels volume adjustment
<b>Call Processing</b>	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
<b>Application (WEB set)</b>	Enterprise phone directory Banlist
<b>Security</b>	Password Login Web Signaling encryption Media encryption
<b>Management</b>	Upgrade: HTTP/TFTP/PnP auto-provision Configurations: Phone/Web/auto-provision Debug: Telnet/Phone/Web
<b>Power Supply</b>	Power adapter:AC100~240V input and DC 5V/1A output PoE(IEEE 802.af)

<b>Specification</b>	Storage Temperature: 0°C ~ 60°C Operating Humidity: 10%~90% Operating Humidity:: 10% ~ 90%
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## 2.Phone overview

The unit keys and hardware
















Hardware component instructions of the WS118 IP Phone are:

ITEM	DESCRIPTION
LCD Screen	Displayed information about calls, messages, soft keys, time, date and other relevant data: <ul style="list-style-type: none"> <li>• Call information — caller ID, call duration</li> <li>• Icons (e.g. <b>DND</b>)</li> <li>• Missed calls or second incoming caller's information</li> <li>• Time and date</li> </ul>
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
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.

### 3.2 Phone Screen Display Features

If the phone has successfully started up and after using, the idle LCD display will show information as below:



	ITEM	DESCRIPTION
1	TIME & DATE	TIME & DATE display in the middle of the screen.
2	Auto-Answer icon	Enable this feature, it will display "AA" at the top right corner.
3	Missed Call	Missed Call under the TIME in the middle of screen
4	Line Status	<p>There are four status as below:</p> <p>a. :Disconnect the network</p> <p>b. :Account failed to register</p> <p>c. :Account successfully registered</p> <p>d. :Account successfully registered and DND feature is enabled.</p> <p>The DND icon also will display at the top right corner.</p>
5	Soft Key Area	Labels automatically to identity their context-sensitive features
6	Screen Top Icon	<p>The Screen Top Icon from left to right is:</p> <p>: Handset Hand on status</p> <p>:Speaker Hand on status</p> <p>:Headset Hand on status</p> <p>:Call MUTE</p> <p>:Missed Call</p> <p>:Call Forward</p> <p>:Text Message</p> <p>:Keypad Lock</p> <p>:Network is unavailable</p>

### 3.3 Basic Network Settings

The phone supports Three Modes of Network Setting. Include Wi-Fi Setting\Static IP\DHCP.

#### Wi-Fi Setting

In order to more easily and quickly implement Wi-Fi series phone deployment, we provide EWFC(Enhanced WIFI Fast Connection) technology to implement automatic connection between the 5.8G Wi-Fi phone and AP-3.



- ①When the AP-3 is set up wireless parameters by the administrator, you can long press "ok" to enter the password to connect it.
- ②If you don't use EWFC rapid deployment, you can According to the normal method for manual connection and settings as following:

Feature	Operating Steps
<b>Wi-Fi</b>	Press <b>Flash key to enter Menu&gt; System Settings&gt; Advanced Settings&gt; Password(Default is Empty)&gt; Network&gt; Wi-Fi Setting</b> <ul style="list-style-type: none"> <li>● Press <b>Wi-Fi Setting</b> to login in to the menu</li> <li>● Select "<b>Wi-Fi</b>", and choose "<b>enable</b>"</li> <li>● Press "<b>Save</b>" key</li> <li>● Select "<b>Hotspot List</b>"</li> <li>● Press "<b>Enter</b>" key</li> <li>● Select the hotspot which you want to connect</li> <li>● Enter "<b>Password</b>"</li> <li>● Press "<b>OK</b>" key to make it work</li> </ul>

#### DHCP Setting

Feature	Operating Steps
DHCP	Press <b>Flash key to enter Menu&gt; System Settings&gt; Advanced Settings&gt; Password(Default is Empty)&gt; Network&gt; IP Setting</b> <ul style="list-style-type: none"> <li>● Press <b>IP Setting</b> to login in to the menu</li> <li>● Select "<b>DHCP</b>" mode</li> <li>● Press "<b>Enter</b>" key</li> <li>● Set the <b>DNS\web port\telnet port</b></li> <li>● Press "<b>Save</b>" key to make it work</li> <li>● Tips "<b>Network is changed, press OK</b></li> </ul> <b>reboot "</b>


#### Static IP Setting

Feature	Operating Steps
Static IP	Press <b>Flash key to enter Menu &gt;System Settings&gt; Advanced Settings&gt; Password(Default is Empty)&gt; Network&gt; IP Setting</b> <ul style="list-style-type: none"> <li>● Press <b>IP Setting</b> to login in to the menu</li> <li>● Select "<b>Static</b>" mode</li> <li>● Press "<b>Enter</b>" key</li> <li>● Set the <b>IP\Mask\GW\DNS\web port\telnet port</b></li> <li>● Press "<b>Save</b>" key to make it work</li> </ul>

	<ul style="list-style-type: none"> <li>● reboot "</li> </ul>	Tips "Network is changed, press OK"
--	--	-------------------------------------

### 3.4 SIP Account Settings

WS118 IP phone makes calls based on sip accounts, It can support Single account or Multi-account, Each account can be configured to the different SIP server.

If you want to...	Then...
Create an SIP account	<p>--1) Press <b>Flash key to enter MenuSystem Settings&gt; Advanced Settings&gt; Password</b>(Default is Empty)&gt; SIP Accounts;</p> <p>--2) Select one of the account you want to setting, you can configure the following parameters</p> <ul style="list-style-type: none"> <li>-<b>Enable account*</b>: Select Enable</li> <li>-<b>Number of lines</b>: Default is 2</li> <li>-<b>Description</b>: description of this account</li> <li>-<b>Display Name</b>: The name displayed on the screen</li> <li>-<b>Authentication user</b>: the Authenticated users are matched with the SIP server.(The default With the same account)</li> <li>-<b>Account*</b>: the account matches with the SIP server.(extension number)</li> <li>-<b>User pass word*</b>: the user password matches with the SIP server</li> <li>-<b>SIP Server*</b>: The primary SIP server, all calls through this server</li> <li>-<b>Out Bound Server</b>: The out bound SIP server</li> <li>-<b>STUN Type</b>: Enable/Disable STUN feature</li> <li>-<b>STUN</b>: Input STUN URL</li> <li>-<b>Auto Answer</b>: Enable/Disable this account auto answer feature</li> </ul> <p>* <b>Note</b>: When you finish the setting, you can press Save to make it work, and then you can see the status icon in the LCD idle. </p> <p>The parameters with the * mark must be set.</p>
Disable sip account	<p>--1) Press <b>Flash key to enter MenuSystem Settings&gt; Advanced Settings&gt; Password</b>(Default is Empty)&gt; SIP Accounts;</p>

	--2) Select “Enable account” > “Disable”; --3) Select “Save” to saves settings
--	---

## 3.5 Basic Features

### 3.5.1 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),
Place a call using a speakerphone	Press <b>Speaker</b> button	-or wait 5s (default), then it send the number automatically.


### 3.5.2 Redial

To redial the last placed call from your phone

Redial	--Press <b>REDIAL</b> button to dial the last number
--------	--

### 3.5.3 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, -or press <b>End</b>
Hang up while using the Speakerphone	--Press <b>Speaker</b> button that is Red  , -or press <b>Line</b> button for the appropriate line, -or press <b>End</b>
Hang up while using the Headset	--Press <b>Handset</b> button, (Do not keep the headset mode), -or press <b>End</b> (keep the headset mode)


Hang up one call, but preserve another call on the other line	--Press <b>End</b> , -or refer to the above three methods
---	--

### 3.5.4 Using Hold and Recover (Switch Calling Line)

You can hold and resume calls. You can take a call in one line at anytime, and the other lines would be hold. As a result of that, you can switch different calling line on our phone.


If you want to...	Then...
Put a call on hold	--Press <b>HOLD</b> button, -or press soft key <b>Hold</b>
Hold a line and switch to another line	Press another <b>Line</b> button for the appropriate line
Resume a call on current line	--Press <b>Line</b> button,
Release a call on different line	Select the line want to release hold, press the line, so recovery;

#### NOTES


- Engaging the Hold feature typically generates music or a beeping tone.
- A held call is indicated by the Yellow-green  and flashing Line button or Hold in the LCD.



### 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, or a headset.

Toggle Mute on	Press <b>C</b> button, then the screen top and left will have a MUTE icon 
Toggle Mute off	Press <b>C</b> button again, then the button light off

### 3.5.6 Voice Mail

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

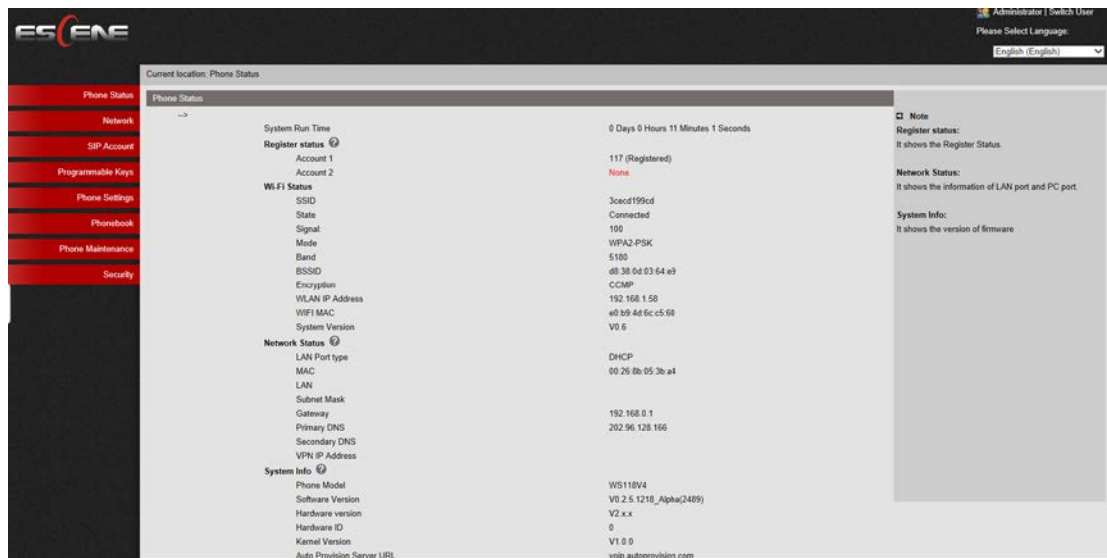
Voice Mail	--1 ) Press the Voice Mail button(There has Voice Mail icon  ,without is  ) --2) Enter the User Password --3) It will login into the voice mail server. You need to follow the IVR to do it.
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## 4. WEB User Interface

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. To obtain the IP address, press the Flash key> Menu> View Status on the 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.
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## 4.1 Network

### 4.1.1 Wi-Fi Setting

Current location: Network > Wi-Fi Setting

Wi-Fi Setting

WiFi:  off  on

Enter the SSID of the Wi-Fi AP(SSID).

Wireless Network Name(SSID):

SSID	BSSID	Band	Encryption	Signal	Select
IP-COM-5G_0359E9	d8:38:0d:03:59:e9	5785	[ESS]	100%	<input type="radio"/>
Sc	d8:38:0d:03:59:e1	2412	[WPA2-PSK-CCMP][ESS]	97%	<input type="radio"/>
ChinaNet-XdFJ	c4:04:7b:94:12:25	2412	[WPA-PSK-TKIP+CCMP] [WPA2-PSK-TKIP+CCMP] [WPS][ESS]	96%	<input type="radio"/>
A1	f4:83:cd:fe:1e:96	2412	[WPA-PSK-CCMP][WPA2-PSK-CCMP] [ESS]	96%	<input type="radio"/>
Aeromat_Mobile	50:6a:03:ad:2c:5b	2457	[WPA2-PSK-CCMP][WPS] [ESS]	92%	<input type="radio"/>

### 4.1.2 IP Setting

Current location: Network > LAN Port

LAN Port

DHCP ?  
 Hostname(Option 12)   
 Manufacturer(Option 60)   
 User Class Information(Option 77)   
 Static IP ?  
 IP Address   
 Subnet Mask   
 Gateway   
 Static DNS  on  off  
 Primary DNS   
 Secondary DNS

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

### 4.1.3 Advanced

#### VPN Setting

VPN Setting >>

Enable VPN   
 VPN Type   
 L2TP   
 VPN Server Addr   
 VPN User Name   
 VPN Password   
 OPEN VPN  
Attention: The trusted certs dir is /mnt/sip/vpn/  
 Upload VPN Config

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

Enable Vlan:

<b>LAN Port</b>	<b>PC Port</b>
VID: <input type="text" value="0"/> (0~4094)	VID: <input type="text" value="0"/> (0~4094)
Priority: <input type="text" value="0"/> (0~7)	Priority: <input type="text" value="0"/> (0~7)

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  (1-65535)

Telnet  off  on

Telnet Port  (1-65535)

Local SIP port  (Default: 5060)

RTP port range  --

*Please Note: After changing the default HTTP port 80, please restart the machine to take effect. Using the new HTTP port to access the Web user interface "http://ipaddr:port".*

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 <a href="http://192.168.0.200:88">HTTP://192.168.0.200:88</a> ). 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.
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## QoS

Qos >> ?

SIP Qos  (0-63)

Voice Qos  (0-63)

ITEM	DECSRIPTIO
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 >>

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

LLDP >>

LLDP  off  on

LLDP Packet Interval  s(1-3600)

## Paging Setting

**Paging Setting >>**

Paging1  off  on  
 Group IP  Port:

Paging2  off  on  
 Group IP  Port:

Paging3  off  on  
 Group IP  Port:

Paging4  off  on  
 Group IP  Port:

Paging5  off  on  
 Group IP  Port:

**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  off  on  
 Server IP  \*  
 Port  \*  
 Anonymous Login   
 Username   
 Password

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

### 5.1Basic

Enable	<input checked="" type="checkbox"/> ?
Account Mode	VOIP ▾
Amount Of Line Account Used	1 ( Default: 2)
Display Name	<input type="text"/> ?
Username	5207 * ?
Authenticate Name	5207 ?
Password	•••• * ?
Label	<input type="text"/> ?
SIP Server	192.168.0.7 ?
Secondary server	<input type="text"/> ?
OutboundProxy Server	<input type="text"/> ?
Secondary OutboundProxy Server	<input type="text"/> ?
Polling Interval Time Of Registration	32 s Default Value: 32s, Range: 20s~~60s
NAT Traversal	Disable ▾ ?
STUN Server	<input type="text"/> ?
BLA	<input checked="" type="radio"/> off <input type="radio"/> on
BLA Number	<input type="text"/>
Subscribe Period	1800 Default: 1800s, Min: 120s ?
Register Expire Time	3600 Default: 3600s, Min: 40s ?
Auto Answer	<input checked="" type="radio"/> off <input type="radio"/> on
SIP Transport	<input checked="" type="radio"/> UDP <input type="radio"/> TCP <input type="radio"/> TLS ?
Ring Type	None ▾ ?

Choose one Account, you will find the following parameters:

ITEM	DECSRIPTIO
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

Current location: SIP Account >Account1

**Advanced >>**

RPort	<input checked="" type="radio"/> off <input type="radio"/> on ?
Do not Disturb	<input checked="" type="radio"/> off <input type="radio"/> on
Anonymous call	<input checked="" type="radio"/> off <input type="radio"/> on ?
Anonymous Call Rejection	<input checked="" type="radio"/> off <input type="radio"/> on ?
Use Session Timer	<input checked="" type="radio"/> off <input type="radio"/> on ?
Session Timer	<input type="text" value="300"/> (min: 30s) ?
Refresher	<input type="text" value="UAS"/> ?
Call Method	<input checked="" type="radio"/> SIP <input type="radio"/> TEL
DNS-SRV	<input checked="" type="radio"/> off <input type="radio"/> on
Allow-events	<input checked="" type="radio"/> off <input type="radio"/> on
Registered NAT	<input type="radio"/> off <input checked="" type="radio"/> on
Keep-alive Type	<input type="text" value="Default"/> ▾
Keep-alive Interval	<input type="text" value="30"/> (15-60s)
Use user=phone	<input checked="" type="radio"/> off <input type="radio"/> on ?
BLA	<input checked="" type="radio"/> off <input type="radio"/> on ?
BLA Number	<input type="text"/>
Subscribe Period	<input type="text" value="1800"/> Default: 1800s, Min: 120s ?
SIP Encryption	<input checked="" type="radio"/> off <input type="radio"/> on ?
Encryption algorithm	<input type="text" value="RC4"/> ▾
Encryption key	<input type="text"/>
Voice encryption (SRTP)	<input type="text" value="Off"/> ▾ ?
EP+ Outcode Switch	<input checked="" type="radio"/> off <input type="radio"/> on
OutCode	<input type="text"/>
OutCode Length	<input type="text" value="0"/>

ITEM	DECSRIPTIO
<b>Advanced</b>	
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

**Memory keys**

	Key1	Key2	Key3	Key4	Key5
Mode:	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>
Account:	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>
Name:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Key6	Key7	Key8	Key9	Key10
Mode:	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>	<input type="text" value="BLF"/>
Account:	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>	<input type="text" value="Account1"/>
Name:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### 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.

Function keys (Note: if the phone has no key, you don't need to set the key)

	Operation	Account	Name	Number
Redial:	Default	Account1		
Hold:	Default	Account1		
Mute:	Default	Account1		
Message:	<ul style="list-style-type: none"> <li>Default</li> <li>Redial</li> <li>DND</li> <li>Contacts</li> <li>Enterprise Phonebook</li> <li>LDAP</li> <li>Dir</li> <li>Speed Dial</li> <li>Call List</li> <li>Missed Calls</li> <li>Received Calls</li> <li>Dialed Calls</li> <li>Menu</li> <li>SMS</li> <li>New SMS</li> <li>Call Forward</li> <li>View Status</li> <li>Enable/Disable SIP Account</li> <li>XML Browser</li> <li>Auto Provision Now</li> <li>Hot Desking</li> </ul>	Account1		

Submit

## 7 Phone Setting

### 7.1 Basic

#### 7.1.1 Time Settings

Time Settings >>

Set time mode: SIP Server

Time zone-GMT: GMT+08:00 China(Beijing)

Daylight Savings Time mode:  always off  always on  Auto

Update Interval (seconds): 600 Seconds

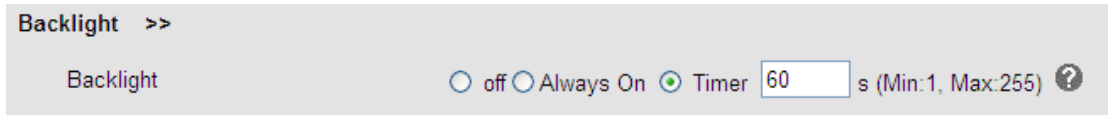
Time Format:  24 Hour  12 Hour

Date Format: DD MM WWW

ITEM	DECSRIPTIO
<b>Time Settings</b>	
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.

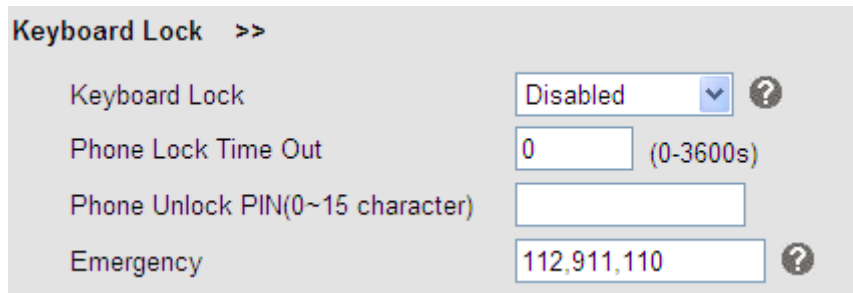
Time Zone-GMT	You can select different time zone for the phone
Manual Setting	Setting time manually.

### 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



<b>Ring</b>	
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

Volume Settings >>

**Tone** ?

Select country

Ring volume(0~9)

**Output volume(1~9)**

Handset volume

Speakerphone volume

Headset volume

**Input volume(1~7)**

Handset mic volume

Speakerphone mic volume

Headset mic volume

ITEM	DECSRIPTIO
<b>Basic</b>	
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

Always	<input checked="" type="radio"/> off <input type="radio"/> on	Number:	<input type="text"/>	<input style="float: right;" type="button" value="?"/>
If Busy	<input checked="" type="radio"/> off <input type="radio"/> on	Number:	<input type="text"/>	<input style="float: right;" type="button" value="?"/>
If No Answer	<input checked="" type="radio"/> off <input type="radio"/> on	Number:	<input type="text"/>	<input style="float: right;" type="button" value="?"/>
Ring Frequency	<input type="text" value="15"/>	Seconds (Default: 15s, Max: 15s)		

ITEM	DECSRIPTIO
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

**Auto Redial >>**

Auto Redial  off  on

Auto Redial Interval(1~300s)

Auto Redial Times(1-300)

### 7.2.3 Pickup function

**Pickup function >>**

Pickup function  off  on

Pickup code

### 7.2.4 Hotline function

Hot Line Function >>

Hot Line Function  off  Delay  s (0-30)

Hot Number  ?

IP Dail

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  off  on  Turn on Auto Answer Group:  ▾

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

Remote Control >> ?

Action URI allow IP List  ?

### 7.2.7 Action URL

The device will send orders to action URL initiative.

Action URL >> ?

Off Hook	<input type="text"/>	?
On Hook	<input type="text"/>	?
Incoming Call	<input type="text"/>	?
Outgoing call	<input type="text"/>	?
Established	<input type="text"/>	?
Terminated	<input type="text"/>	?

## 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](http://www.escene.cn/en)

EP+ >>

Configure Mode	<input checked="" type="radio"/> Automatic <input type="radio"/> Manual
EP+	<input type="radio"/> off <input checked="" type="radio"/> on
Password	<input type="text" value="7394"/>
OutCode	<input type="text"/>
OutCode Length	<input type="text" value="0"/>
Door bell Code	<input type="text"/>
Open Door Password	<input type="text"/>
Roaming Server Address	<input type="text"/> : <input type="text" value="0"/>

## 7.2.9 Other features settings

For other features such as call waiting, DTMF etc.

**Other Features Settings >>**

Call Waiting  off  on ?

Call Waiting Tone  off  Play on currently active device Frequency:  s (5-60) ?

Play Hold Tone  off  Play on currently active device Frequency:  s (5-60) ?

DTMF  RFC 2833  Inband  SIP Info  Auto ?

Suppress DTMF Display  off  on ?

100 Reliable retransmission  off  on ?

Play Hangup Tone  off  on

Conference Code  off  on Number:

Hold Code  off  on Number:

Conference exit result  Disconnect all  Others remain connected

Return code when refused  ?

Return code when DnD  ?

Called No Answer Time   s (Min:20, Max:1800)

Caller No AnswerTime:   s (Min: 90s, Max: 1800s)

RFC 2833 PayLoad

Caller ID source

SIP Session Timer(seconds) T1  ?

SIP Session Timer(seconds) T2  ?

SIP Session Timer(seconds) T4  ?

Affiliated Port  off  on

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

Advanced

Audio >>

**Audio Codecs** ?

Up G711A G711U G729 G722 G723 << iLBC G726\_32 disabled Codecs >>

Down

**Jitter Buffer** ?

Type  Adaptive  Fixed

Min Delay

Max Delay

**Other**



Payload length  ms

High rate of G723.1

VAD  ?

Echo suppression mode

Side Tone

ITEM	DECSRIPTIO
<b>Audio Codec</b>	Use the navigation keys to highlight the desired one in the Enabled/Disable Codes list, and press the  /  to move to the other list.
<b>Jitter Buffer</b>	
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.
<b>Other</b>	
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"

<input checked="" type="checkbox"/>	Send Key	<input type="radio"/> * <input checked="" type="radio"/> #		
<input type="checkbox"/>	Dial Length	<input type="text" value="25"/>		
	No Dial Timeout	<input type="text" value="5"/>		
ID	Operation	Prefix	IP Address	Description
<input type="button" value="Add Rule"/>		<input type="button" value="Delete All Rule"/>		

ITEM	DECSRIPTIO
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.

ID	<input type="text" value="1"/>	Description	<input type="text"/>
IP	<input type="text"/>	Port(Default 5060)	<input type="text" value="5060"/>
Prefix	<input type="text"/>		
Called Insert Number	<input type="text" value="Disable"/>	Called Delete Number	<input type="text" value="Disable"/>
Position	<input type="text"/>	Position	<input type="text"/>
Number	<input type="text"/>	Length	<input type="text"/>

(Note: When you want to add code and delete at the same time, you can add code first, after that base on the number you add, decide the position and length of the delete code.)

ITEM	DECSRIPTIO
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](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.

ID	<input type="text" value="2"/>	Description	<input type="text" value="test2"/>
Group Name	<input type="text" value="test2"/>	Ring Type	<input type="text" value="Ring2"/>


Click the groupname you can modify or delete the member of the group

ID	Operation	Group Name	Group Member	Description	Ring Type
1	 	test	0	test	Ring1

Attention: If you Click 'Delete Group' or 'Delete All Group',the member of group can not within a group,please click the group and delete the group.

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

Serial Number	<input type="text" value="1"/>	Last Name	<input type="text" value="test"/>
First Name	<input type="text" value="test"/>	Office Number	<input type="text" value="1111"/>
Mobile Number	<input type="text" value="1111"/>	Account	<input type="text" value="Account1"/>
OtherNumber	<input type="text" value="1111"/>	Group2	<input type="text" value="None"/>
Group1	<input type="text" value="test"/>		





Delete	ID	Operation	Name	Phone	Group
<input type="checkbox"/>	1	   	test test	Number1:1111 Number2:1111 Number3:1111	test


Attention:if you want to download or upload the contact,please go to the "Phone Maintenance" page

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

LDAP	<input type="radio"/> on <input checked="" type="radio"/> off ?
LDAP Name Filter	<input type="text" value="(sn=%s)"/> ?
LDAP Number Filter	<input type="text" value="(telephoneNumber=%"/> ?
Server Address	<input type="text" value="192.168.0.65"/> ?
Cwmp Port	<input type="text" value="389"/> ?
Base	<input type="text" value="DC=ldap,DC=escene,"/> ?
Username	<input type="text" value="bb@ldap.escene.com"/> ?
Password	<input type="text" value="escene_2012"/> ?
Max. Hits(1~32000)	<input type="text" value="50"/> ?
LDAP Name Attributes 1	<input type="text" value="sn"/> ?
LDAP Name Attributes 2	<input type="text" value="cn"/> ?
LDAP Name Attributes 3	<input type="text"/> ?
LDAP Number Attributes 1	<input type="text" value="telephoneNumber"/> ?
LDAP Number Attributes 2	<input type="text"/> ?
LDAP Number Attributes 3	<input type="text"/> ?
Protocol	<input type="radio"/> Version2 <input checked="" type="radio"/> Version3 ?
Search Delay(ms)(0~2000)	<input type="text" value="0"/> ?
LDAP Lookup For Incoming Call	<input checked="" type="radio"/> on <input type="radio"/> off ?
LDAP Lookup For PreDial/Dial	<input checked="" type="radio"/> on <input type="radio"/> off ?


## 8.4 Blacklist


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

Serial Number	<input type="text" value="1"/> ▼	Description	<input type="text" value="test3"/>
First Name	<input type="text" value="test3"/>	Last Name	<input type="text" value="testc"/>
Mobile Number	<input type="text" value="3333"/>		
Home Number	<input type="text" value="3333"/>		
Office Number	<input type="text" value="3333"/>		
Account	<input type="text" value="Auto"/> <ul style="list-style-type: none"> <li>Account1</li> <li>Account2</li> <li>Account3</li> </ul>		
<input type="button" value="Submit"/>		<input type="button" value="Cancel"/>	

ID	Operation	Name	Phone	Description	Account
1	  	test3 testc	Number1:3333 Number2:3333 Number3:3333	test3	Auto

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.

**HTTP Upgrade >>**

Select a File	<input type="text"/> <input type="button" value="Browse.."/>
Software Upgrade	<input type="button" value="Upgrade"/>
Kernel Upgrade	<input type="button" value="Kernel Upgrade"/>
Configuration	<input type="button" value="Upload"/> <input type="button" value="Download"/>
XML PhoneBook	<input type="button" value="Upload"/> <input type="button" value="Download"/>
Vcard	<input type="button" value="Upload"/> <input type="button" value="Download"/>
EXT Module	<input type="button" value="Upload"/> <input type="button" value="Download"/>
Log	<input type="button" value="Download"/>
All Config File	<input type="button" value="Download"/>

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 <b>[NOTES: The mode doesn't support this feature]</b>
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.

**FTP Upgrade >>**

Server IP

Filename

Username

Password

Software Upgrade

Kernel Upgrade

**Note: It's no necessary to input filename when backup.**

Configuration

Phone Book

EXT Module

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.

**TFTP Upgrade >>**

Server IP

Filename

Software Upgrade

Kernel Upgrade

Note: It's no necessary to input filename when backup.

Configuration

Phone Book

EXT Module

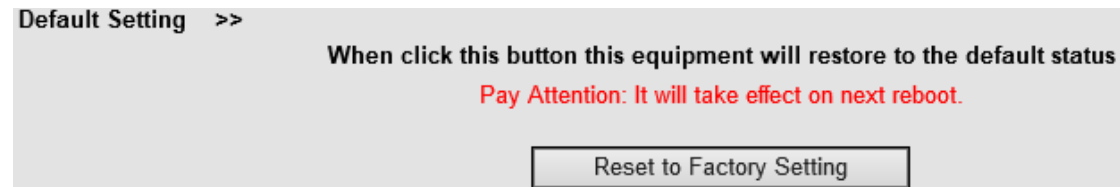
When use TFTP upgrade, you can set several parameters as follow:

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

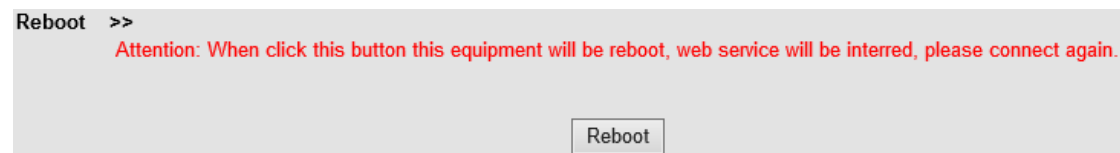
You can load the phone to the factory default setting in default setting option.



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

## 9.1.5 Reboot

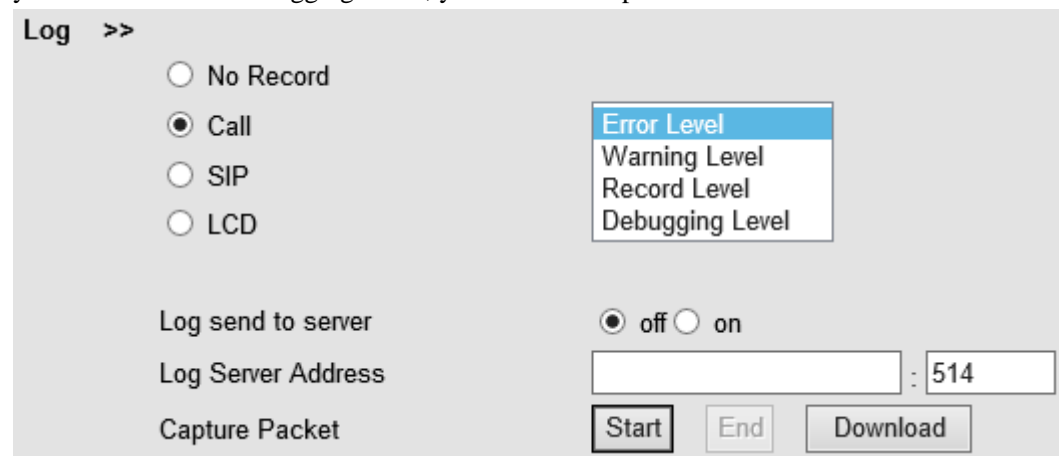
You can use reboot option to reboot the phone.



## 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](http://www..cn/en)

**Auto Provision >>**

Auto Provision  on  off

Option:  ( Default :66, Min:1, Max:254)

Protocol  ▼

Software Server URL

Username

Password

Auto Download Software

Auto Download Kernel

Auto Download Config File

Auto Download Expansion

Auto Download Enterprise Phonebook

Auto Download Personal Phonebook

Booting Checked

Disable the phone while booting checking  off  on

Auto Provision Frequency  Hour (Default :7 days, Max:30 days )

Auto Provision Time  ▼

Auto Provision Next Time

AES Enable  off  on

AES Key

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.

	<input checked="" type="radio"/> Administrator <input type="radio"/> User
Username	<input type="text" value="root"/>
Old Password	<input type="text"/>
New Password	<input type="text"/>
Confirm Password	<input type="text"/>

### 10.2 Trusted Certificates

Trusted certificates >>

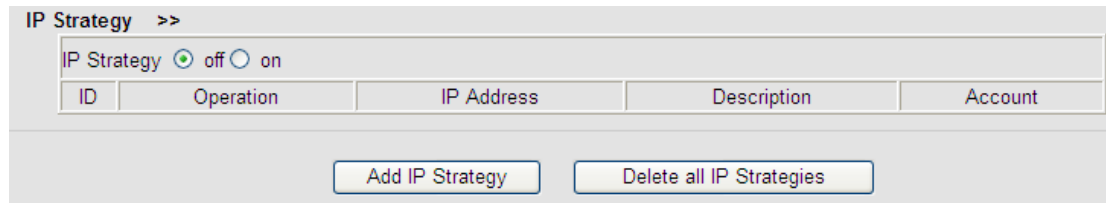
Name	Begin time	End time	Operation
<input type="button" value="Delete all certificates"/>			
Trusted certificates upload	<input type="text"/>	<input type="button" value="浏览..."/>	
	<input type="button" value="upload"/>		



## 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

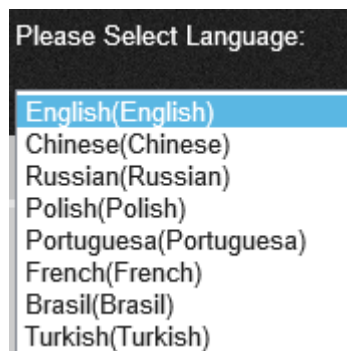
### 11.1 WEB User

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