

WS118 IP Phone

User Manual



Escene Communication Co.Ltd

Escene Communication

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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			
Language	English, Chinese, French, Italian, Russian, Spanish, Turkish etc			
Line	2			
Function	Drogrammahla Varia Line Varia Number Varia and Frankling Va			
Keys	Programmable Keys, Line Keys, Number Keys and Function Keys			
Voip	SID 2 0			
Protocol	Sif 2.0			
Network	HTTP BOOTD ETD TETD IEEE 802 10			
Protocol				
Codec	G.723.1 (5.3K 6.4K b/S)、G.729 A (8Kb/s)、G.711 A/U (64Kb/S)、G.722(64Kb/S)			
QoS	TOS, Jiffer Buffer, VAD, CNG, G.168 (32ms)			
	1*RJ45 10/100M Ethernet interfaces(LAN)			
Notwork	IP Assignment: Static IP or DHCP			
INCLWOFK	VPN(L2TP),VLAN/QoS			
	DNS Clients (Primary and Secondary)			
	Handset, Headset or Hand-free Mode,			
Speech	Call center headset and 3.5mm headset supported			
	9-levels volume adjustment			
	Call Waiting, Call Queuing			
	Call Forward, Call Holding, Call Pickup, Callback			
Call	Redial,Auto-answer			
Processing	Phone directory speed dial, call record direct dial			
	3-way conference			
	DnD			
Application	Enterprise phone directory			
(WEB set)	Banlist			
	Password Login Web			
Security Signaling encryption				
Media encryption				
	Ungrade: HTTP/TETP/PnP auto provision			
Managamant	Configurations: Phone/Web/auto provision			
Management	Dobug: Tolnot/Phone/Wab			
Power	Power adapter:AC100~240V input and DC 5V/1A output			
Supply	PoE(IEEE 802.af)			

	Storage Temperature: 0° C ~ 60° C
Specification	Operating Humidity: 10%~90%
	Operating Humidity:: 10% ~ 90%

2.Phone overview

The unit keys and hardware



ITEM	DESCRIPTION		
LCD Screen	Displayed information about calls, messages, soft keys, time, date and		
	other relevant data:		
	Call information — caller ID, call duration		
	• Icons (e.g. DND)		
	 Missed calls or second incoming caller's information 		
	•Time and date		
Navigation Key	UP: 2		
	DOWN: 8		
	RIGHT: 6		
	LEFT: 4		
ОК Кеу	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.		

Hardware component instructions of the WS118 IP Phone are:

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	There are four status as below:	
		a. LAN:Disconnect:Disconnect the network	
		b. Account failed to register	
		c. Account successfully registered	
		d. Account successfully registered and DND feature is enabled.	
		The DND icon also will display at the top right corner.	
5	Soft Key Area	Labels automatically to identity their context-sensitive features	
6	Screen Top Icon	The Screen Top Icon from left to right is:	
		Handset Hand on status	
		Speaker Hand on status	
		Headset Hand on status	
		Call MUTE	
		:Missed Call	
		Call Forward	
		E:Text Message	
		EKeypad Lock	
		:Network is unavailable	

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	
Wi-Fi	Press Flash key to enter Menu> System Settings> Advanced Settings>	
	Password(Default is Empty)> Network> Wi-Fi Setting	
	•	Press Wi-Fi Setting to login in to the
	menu	
	•	Select "Wi-Fi", and choose "enable"
	•	Press " Save " key
	•	Select "Hotspot List"
	•	Press " Enter " key
	•	Select the hotspot which you want to
	connect	
	•	Enter "Password"
	•	Press " OK " key to make it work

DHCP Setting

Feature	Operating Steps	
DHCP	Press Flash key to enter Menu> System Settings> Advanced Settings>	
	Password(Default is Empty)> Network> IP Setting	
	•	Press IP Setting to login in to the
	menu	
	•	Select " DHCP " mode
	•	Press " Enter " key
	•	Set the DNS\web port\telnet port
	•	Press " Save " key to make it work
	•	Tips "Network is changed, press OK
	reboot "	

Static IP Setting

Feature	Operating Steps	
Static IP	Press Flash key to enter Menu >System Settings> Advanced Settings>	
	Password(Default is Empty)> Network> IP Setting	
	•	Press IP Setting to login in to the
	menu	
	•	Select " Static " mode
	•	Press " Enter " key
	•	Set the IP\Mask\GW\DNS\web
	port\telnet port	
	•	Press " Save " key to make it work

reboot "

Tips "Network is changed, press OK

3.4 SIP Account Settings

ullet

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	1) Press Flash key to enter MenuSystem Settings> Advanced			
	Settings> Password(Default is Empty)> SIP Accounts;			
	2) Select one of the account you want to setting, you can configure t			
	following parameters			
	-Enable account*: Select Enable			
	-Number of lines: Default is 2			
	-Description: description of this account			
	-Display Name: The name displayed on the screen			
	-Authentication user: the Authenticated users are matched with			
	the SIP server.(The default With the same account)			
	-Account*: the account matches with the SIP server.(extension			
	number)			
	-User pass word*: the user password matches with the SIP server			
	-SIP Server*: The primary SIP server, all calls through this server			
	-Out Bound Server: The out bound SIP server			
	-STUN Type: Enable/Disable STUN feature			
	-STUN: Input STUN URL			
	* Note: 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.			
	The parameters with the * mark must be set.			
Disable sip account	1) Press Flash key to enter MenuSystem Settings> Advanced			
	Settings> Password(Default is Empty)> SIP Accounts;			

2) Select "Enable account" > "Disable";
3) Select "Save" to saves settings

3.5 Basic Features

3.5.1 Making a Call

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

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

3.5.2 Redial

To redial the last placed call from your phone

RedialPress REDIAL button to dial the last number
--

3.5.3 Ending a Call

Hang up while using the
Handset--Return the handset to its cradle,
-or press EndHang up while using the
Speakerphone--Press Speaker button that is RedSpeakerphone-or press Line button for the appropriate line,
-or press EndHang up while using the
Hang up while using the
-or press Handset button, (Do not keep the headset mode),
-or press End (keep the headset mode)

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

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

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 HOLD button,
	-or press soft key Hold
Hold a line and switch to	Press another Line button for the appropriate line
another line	
Resume a call on current	Press Line button,
line	
Release a call on different	Select the line want to release hold, press the line, so recovery;
line	

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 C button, then the screen top and left will have a MUTE				
	icon				
Toggle Mute off	Press C 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	e ,wit	hout i	s ())					
	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

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,

			Administrator Switch User
ES ENE			Please Select Language:
Constant of the second se			English (English)
	승규는 감사한 학생들이 집안을 사망했다. 또 여자가 가지 않는 것이 않았다.	astra di un stato di di a di al al ma	English (English)
and the second second	Current location: Phone Status		
Phone Status	Phone Status		
Natural			Note
HEBYOR	System Run Time	0 Days 0 Hours 11 Minutes 1 Seconds	Register status:
SIP Account	Register status 🙆		It shows the Register Status
	Account 1	117 (Registered)	
Programmable Keys	Account 2	None	Network Status:
	Wi-Fi Status		It shows the information of LAN port and PC port.
Phone Settings	SSID	3cecd199cd	
100 C	State	Connected	System Info:
Phonebook	Signal	100	It shows the version of firmware
Dhone Maintennes	Mode	WPA2-PSK	
Priorie Maintenance	Band	5180	
Security	BSSID	d8.38.0d:03.64.e9	
	Encryption	CCMP	
에 다양했다. 보고 있었	WLAN IP Address	192.168.1.58	
	WIFI MAC	e0.b9.4d.6c.c5.60	
	System Version	V0.6	
	Network Status @		
	LAN Port type	DHCP	
	MAC	00:26.8b:05:3b:a4	
	LAN		
	Subnet Mask		
성 이 너희 것도 불분했다	Gateway	192.168.0.1	
	Primary DNS	202.96.128.166	
BARRIEL CONTRACTOR	Secondary DNS		
	VPN IP Address		
	System Info 🙆		
	Phone Model	WS118V4	
	Software Version	V0.2.5.1218 Alpha(2489)	
	Hardware version	V2xx	
	Hardware ID	0	
The state of the second state of the	Kernel Version	V1.0.0	
	Auto Provision Server URL	voip.autoprovision.com	

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 Wi-Fi Setting

Current location: Network > Wi-Fi Setting									
Wi	-Fi Setting								
	WiFi:	◯ off ⊙ on							
	Enter the	SSID of the Wi-Fi AP(SS	SID).						
	Wireless	Network Name(SSID):	ba59a	bbe56					
		SSID			BSSID	Band	Encryption	Signal	Select
		IP-COM-5G_0359E9		d8:38	:0d:03:59:e9	5785	[ESS]	100%	0
		Sc		d8:38	:0d:03:59:e1	2412	[WPA2-PSK- CCMP][ESS]	97%	0
		ChinaNet-XdFJ		c4:04	:7b:94:12:25	2412	[WPA-PSK- TKIP+CCMP] [WPA2-PSK- TKIP+CCMP] [WPS][ESS]	96%	0
		A1		f4:83	:cd:fe:1e:96	2412	[WPA-PSK- CCMP][WPA2- PSK-CCMP] [ESS]	96%	0
		Aeromat_Mobile		50:6a	:03:ad:2c:5b	2457	[WPA2-PSK- CCMP][WPS] [ESS]	92%	0

4.1.2 IP Setting

rrent location: Network > LAN Port	
AN Port	
⊙ DHCP Ø	
Hostname(Option 12)	
Manufacturer(Option 60)	
User Class Information(Option 77)	
Static IP 🔞	
IP Address	192.168.0.200
Subnet Mask	255.255.255.0
Gateway	192.168.0.1
Static DNS	◯ on ⊙ off
Primary DNS	192.168.0.1
Secondary DNS	0.0.0.0

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

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:			
LAN Port		PC Port	
VID:	0 (0~4094)	VID:	0 (0~4094)
Priority:	0 🗸 (0~7)	Priority:	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	The vlan ID you want the phone or pc to join
[LAN/PC Port]	

Port Management Settings

Port Management Settings >>	
HTTP Port	80 (1-65535)
Telnet	● off ○ on
Telnet Port	23 (1-65535)
Local SIP port	5060 (Default: 5060)
RTP port range	10000 10128
Please Note: After changing th Using the new HTTP port to ac	e default HTTP port 80, please restart the machine to take effect. cess the Web user interface "http://ipaddr:port".
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

Qos >> 🕜	
SIP Qos	26 (0-63)
Voice Qos	46 (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

	Networl	k Packet Mirroring >>		
		Network Packet Mirroring	Off 🖌	
Network Pack Mirroring	ket	When select on, then you can captu which connect to pc port of the pho	re the phone's pack	et use notebook

LLDP

LLDP	>>		
		LLDP	○ off ⊙ on
		LLDP Packet Interval	60 s(1-3600)

Paging Setting

Paging Setting >>	
Paging1	⊙ off ○ on
Group IP	Port: 10000
Paging2	⊙ off ⊖ on
Group IP	Port: 10000
Paging3	⊙ off ⊖ on
Group IP	Port: 10000
Paging4	⊙ off ◯ on
Group IP	Port: 10000
Paging5	⊙ off ◯ on
Group IP	Port: 10000

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.

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5 SIP Account

5.1Basic

Enable	☑ 🕜
Account Mode	VOIP V
Amount Of Line Account Used	1 (Default: 2)
Display Name	0
Username	5207 * 🕜
Authenticate Name	5207
Password	••••
Label	0
SIP Server	192.168.0.7
Secondary server	0
OutboundProxy Server	0
Secondary OutboundProxy Server	0
Polling Interval Time Of Registration	32 s Default Value: 32s, Range: 20s~~60s
NAT Traversal	Disable V
STUN Server	0
BLA	● off ○ on
BLA Number	
Subscribe Period	1800 Default: 1800s, Min: 120s 🕜
Register Expire Time	3600 Default: 3600s, Min: 40s 🕜
Auto Answer	● off ○ on
SIP Transport	● UDP ○ TCP ○ 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	The line key of account used, default is 2
Account Used	
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	When the main out bound server can't work, it also can use this secondary
Proxy Server	server.
Poling Interval Time Of	Poling Interval Time Of Registration, default is 32 s.
Registration	
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	1 >>	
	RPort	● off ○ on 🕜
	Do not Disturb	● off ○ on
	Anonymous call	● off ○ on ❷
	Anonymous Call Rejection	● off ○ on 🚱
	Use Session Timer	● off ○ on 🍘
	Session Timer	300 (min: 30s) 🚱
	Refresher	UAS 🗸 🕜
	Call Method	● SIP ○ TEL
	DNS-SRV	● off ○ on
	Allow-events	● off ○ on
	Registered NAT	○ off ● on
	Keep-alive Type	Default 🗸
	Keep-alive Interval	30 (15-60s)
	Use user=phone	● off ○ on ❷
	BLA	● off ○ on 🚱
	BLA Number	
	Subscribe Period	1800 Default: 1800s, Min: 120s 🕜
	SIP Encryption	● off ○ on 🕜
	Encryption algorithm	RC4 V
	Encryption key	
	Voice encryption (SRTP)	Off 🗸 🕜
	EP+ Outcode Switch	● off ○ on
	OutCode	
	OutCode Length	0

ITEM	DECSRIPTIO		
Advanced			
Do Not Disturb	Enable/Disable Do Not Disturb		
Anonymous Call	Enable/Disable anonymous call.		
Anonymous Call	Enable/Disable anonymous call rejection.		
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	The phone periodically sends a UDP packet to keep the port active and to
Message	avoid the server to shut down the port
UDP Keep-alive	Default is 30 second.
Interval	
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:	BLF 🗸				
Account:	Account1 🗸	Account1 V	Account1 V	Account1 🗸	Account1 V
Name:					
Number:					
	Key6	Key7	Key8	Key9	Key10
Mode:	BLF 🗸				
Account	Account1 🗸	Account1 🗸	Account1 V	Account1 🗸	Account1 V
Name:					
Number:					
			Submit		

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 k	ey)		
	Operation	Account	Name	Number
Redial:	Default 🗸	Account1 V		
Hold:	Default 🗸	Account1 🗸		
Mute:	Default 🗸	Account1 V		
Message:	Default	Account1 V		
	Redial			
	Contacts	Submit		
	LDAP			
	Dir Saard Diel			
	Call List			
	Missed Calls			
	Received Calls			
	Menu			
	SMS			
	New SMS			
	View Status			
	Enable/Disable SIP Account			
	XML Browser			
	Auto Provison Now			
	Hot Desking]		

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)	0
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		
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

Backlight >>	
Backlight	O off O Always On ⊙ Timer 60 s (Min:1, Max:255) 🚱
_	
Back Light	The backlight of the phone LCD.

7.1.3 Keyboard Lock

Keyboard Lock >>	
Keyboard Lock	Disabled 🔽 🕜
Phone Lock Time Out	0 (0-3600s)
Phone Unlock PIN(0~15 character)	
Emergency	112,911,110

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	Ring1 V Delete
Upload ring tone	浏览
	Upload Cancel
	(Please upload a ring tone with G711A(*.wav) audio coding, maximum is 10 rings and the total size must be less than 150kB.)

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.	
	and the total sizes must less than 150k.

7.1.5 Volume Setting

Volume Settings >>	
Tone 🕜	
Select country	United States 💌
Ring volume(0~9)	3
Output volume(1~9)	
Handset volume	5
Speakerphone volume	5
Headset volume	5
Input volume(1~7)	
Handset mic volume	3
Speakerphone mic volume	3
Headset mic volume	3

ITEM	DECSRIPTIO	
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	The speaker MIC volume default is Lv3, the range is 1~7	
Volume		
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	${\small \odot}$ off ${\small \bigcirc}$ on	Number:	0
If Busy	${\small \odot}$ off ${\small \bigcirc}$ on	Number:	0
If No Answer	${\small \odot}$ off ${\small \bigcirc}$ on	Number:	0
Ring Frequency	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)	10
Auto Redial Times(1-300)	10

7.2.3 Pickup function

Pickup function >>	
Pickup function	○ off ⊙ on
Pickup code	123

7.2.4 Hotline function

Hot Line Function >>	
Hot Line Function	○ off ● Delay
Hot Number	0
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	C) off \odot on \bigcirc Turn on Auto Answer Group: N	one 🗸

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

	0
--	---

7.2.7 Action URL

The device will send orders to action URL initiative.

Action URL >> 😧	
Off Hook	0
On Hook	0
Incoming Call	0
Outgoing call	0
Established	0
Terminated	0

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

EP+ >>

Configure Mode	 Automatic O Manual
EP+	⊖ off ● on
Password	7394
OutCode	
OutCode Length	0
Door bell Code	
Open Door Password	
Roaming Server Address	

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: 10 s (5-60) 3
Play Hold Tone	○ off ● Play on currently active device Frequency: 30 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 O Others remain connected
Return code when refused	603(Decline) V
Return code when DnD	603(Decline) V
Called No Answer Time	✓ 70 s (Min:20, Max:1800)
Caller No AnswerTime:	✓ 180 s (Min: 90s, Max: 1800s)
RFC 2833 PayLoad	101
Caller ID source	FROM V
SIP Session Timer(seconds) T1	0.5
SIP Session Timer(seconds) T2	4
SIP Session Timer(seconds) T4	5 🕜
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 S> disabled Codecs
Jitter Buffer 🔞	
Туре	Adaptive O Fixed
Min Delay	60
Max Delay	500
Other	
Payload length	20 🕶 ms
High rate of G723.1	
VAD	
Echo suppression mode	
Side Tone	

ITEM	DECSRIPTIO	
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		
Туре	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"

✓	Send Key		○*●#		
	Dial Length		25	25	
	No Dial Timeout		5		
ID	Operation	Prefix	IP Address	Description	
	Add Rule	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	1 🗸	Description	
IP		Port(Default 5060)	5060
Prefix			
Called Insert Number	Disable V	Called Delete Number	Disable 🗸
Position		Position	
Number		Length	
	(Note: When you want to add co	ode and delete at the same	time you can add cod

(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.

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		2 🗸	Desc	ription	test2
Group Name		test2	Ring Type		Ring2 🗸
			Submit Car	icel	
		Click the groupname you car	modify or delete the men	nber of the group	
ID	Operation	Click the groupname you car Group Name	modify or delete the men Group Member	nber of the group Description	Ring Type
ID 1	Operation	Click the groupname you car Group Name test	modify or delete the mer Group Member 0	nber of the group Description test	Ring Type Ring1
ID 1 and	Operation Image: Constant of the second sec	Click the groupname you car Group Name test k 'Delete Group' or 'Delete All Gro	Group Member 0 0 0 0, the member of group car	nber of the group Description test not within a group,p	Ring Type Ring1 please click 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 \overline{m} , 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	1 🗸		
First Name	test	Last Name	test
Mobile Number	1111	Office Number	1111
OtherNumber	1111	Account	Account1 V
Group1	test 🗸	Group2	None 🗸
		Submit Cancel	

Delete	ID	Operation	Name	Phone	Group		
	1	/ î 🛛 🔶	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							
Add Contact Delete All Contact							

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

You can edit an existed Contact by click \checkmark .

You can delete an existed Contact by click \overline{m} , 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 **I**. You can download and save this contact to PC after you select \subset.

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	🔿 on 🖲 off 🕜
LDAP Name Filter	(sn=%s)
LDAP Number Filter	(telephoneNumber=% 🕜
Server Address	192.168.0.65
Cwmp Port	389
Base	DC=Idap,DC=escene,
Username	bb@ldap.escene.com 🕜
Password	escene_2012
Max. Hits(1~32000)	50
LDAP Name Attributes 1	sn 🕜
LDAP Name Attributes 2	cn
LDAP Name Attributes 3	
LDAP Number Attributes 1	telephoneNumber
LDAP Number Attributes 2	
LDAP Number Attributes 3	
Protocol	O Version2 Version3 Version3
Search Delay(ms)(0~2000)	0
LDAP Lookup For Incoming Call	● on ○ off 🕜
LDAP Lookup For PreDial/Dial	● on ○ off 🕜

8.4 Blacklist

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

Serial Number	1 🗸	Description	test3
First Name	test3	Last Name	testc
Mobile Number	3333		
Home Number	3333		
Office Number	3333		
Account	Auto Account1		
	Account2 Account3 Subn	nit Cancel	

ID	Operation	Name	Phone	Description	Account	
1	/ 🗇 🕼	test3 testc	Number1:3333 Number2:3333 Number3:3333	test3	Auto	
Add BanList Delete All BanList						

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 in, 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 **I**.

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

Select a File Browse.. Software Upgrade Upgrade Kernel Upgrade Kernel Upgrade Configuration Upload Download XML PhoneBook Upload Download Vcard Upload Download EXT Module Upload Download Download Log All Config File Download

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

HTTP Upgrade >>

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	Used for upgrading the software of the phone
Upgrade	
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	Used for uploading/downloading the XML phonebook of the phone
Book	
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.

FTP Upgrade >>	
Server IP	
Filename	
Username	
Password	
Software Upgrade	Upgrade
Kernel Upgrade	Kernel Upgrade
Note: It's no necessary to i	nput filename when backup.
Configuration	Update Backup
Phone Book	Update Backup
EXT Module	Update Backup

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	Upgrade	
Kernel Upgrade	Kernel Upgrade	
Note: It's no necessary to input filename wi	hen backup.	
Configuration	Update Backup	
Phone Book	Update Backup	
EXT Module	Update Backup	

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.

```
Default Setting >>
When click this button this equipment will restore to the default status
Pay Attention: It will take effect on next reboot.
Reset to Factory Setting
```

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.

```
Reboot >>
```

Attention: When click this button this equipment will be reboot, web service will be interred, please connect again.

```
Reboot
```

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.

_og	>>		
		○ No Record	
		 Call 	Error Level
		⊖ SIP	Warning Level Record Level
		○ LCD	Debugging Level
		Log send to server	● off ○ on
		Log Server Address	: 514
		Capture Packet	Start End Download

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

Auto Provision >>	
Auto Provision	● on ○ off
Option:	66 (Default :66, Min:1, Max:254)
Protocol	TFTP V
Software Server URL	voip.autoprovision.com
Username	
Password	
Auto Download Software	v
Auto Download Kernel	✓
Auto Download Config File	✓
Auto Download Expansion	✓
Auto Download Enterprise Phonebook	✓
Auto Download Personal Phonebook	✓
Booting Checked	\checkmark
Disable the phone while booting checking	● off ○ on
Auto Provision Frequency	168 Hour (Default :7 days, Max:30 days)
Auto Provision Time	None 🗸
Auto Provision Next Time	Thu Aug 8 12:24:00 2013 Reset Timing
AES Enable	● off ○ on
AES Key	
	Auto Provision Now

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	Used for auto download Enterprise Phonebook from server
Phonebook	

Auto Download Personal	Used for auto download personal phonebook from server
Phonebook	
Booting Checked	Used for checking the auto provision when phone booting
Disable the phone while	Enable/Disable the booting checking feature.
booting checking	
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.

	● Administrator ○ User
Username	root
Old Password	
New Password	
Confirm Password	

10.2 Trusted Certificates

Trusted cert	ificates >>			
	Name	Begin time	End time	Operation
Tr	rusted certificates u	pload	Delete all [浏览]	certificates
		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

IP Strategy ⊙ off ◯ on	
ID Operation IP Address Description	Account
Add IP Strategy Delete all IP Strategies	

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.

Administrator | 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