Manual

# tiptel IP 286 Yealink SIP-T28P





(EN)

# **About This Guide**

Thank you for choosing this Enterprise IP Phone which is especially designed for power users in the office environment. It features fashionable and sleek design, abundant telephony applications, broad interoperability with the popular 3<sup>rd</sup> party VoIP products, fulfilling the VoIP deployment needs from enterprise and ITSP.

In this User Guide, you will find everything you need to quickly use your new phone. Be sure to verify with your system administrator that your network is prepared for configuring your IP phone. As well, be sure to read the Packing List section in this guide before you set up and use the phone.

#### **Declaration of Conformity**



**CEFC** Hereby, it's declared that this phone is in conformity with the essential requirements and other relevant provisions of the CE, FCC.

#### **CE Mark Warning**

This is a class B device, in a domestic environment; this product may cause radio interference, in which case the user may be required to take adequate measures.

#### **WEEE Warning**



To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

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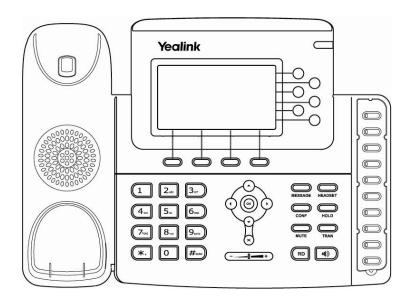
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# **Getting Started**

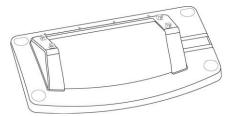
# **Packing List**

The following components are included in your package:

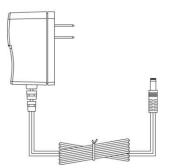
Enterprise IP Phone



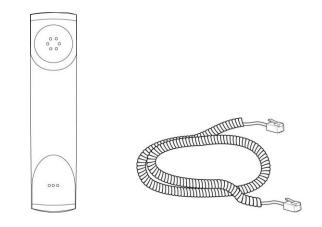
Phone Stand



• Power Adapter



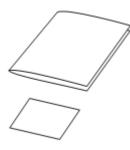
Handset & Handset Cord



• Ethernet Cable



• Quick Installation Guide & Quick Reference



CD Content



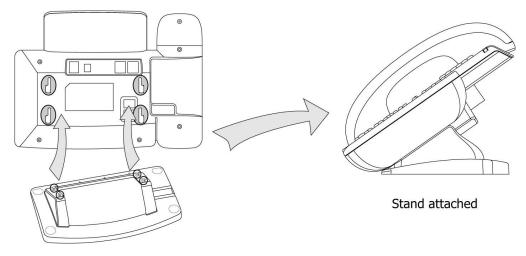
Check this list before installation to ensure that you have received each item. If you are missing any items, contact your IP phone reseller.

# **Assembling the Phone**

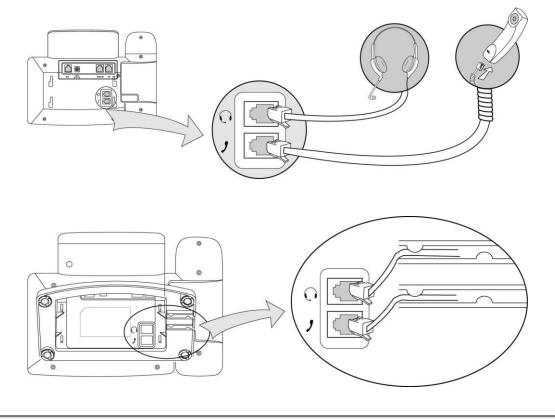
This section introduce how to assemble the phone with the components in the packing list:

- Attach the stand;
- Connect Handset and Headset;
- Connect Network and Power.

#### 1) Attach the Stand, as shown below:



#### 2) Connect Handset and Headset, as shown below:

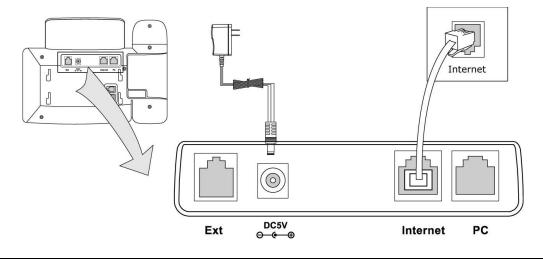


Note:

Headset is not provided in the packing list. Please contact your distributor for more information.

#### 3) Connect Network and Power

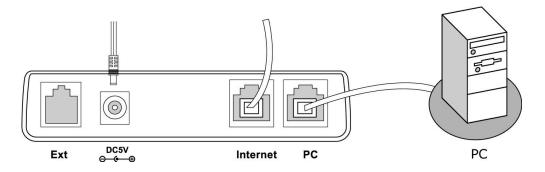
There are two ways for network and power source connections. You can either connect the phone to the AC Power directly using the power adapter or to a PoE compliant switch or hub. Your system administrator will advise you on which one to use.



#### Note:

- 1. If inline power is provided, do not install AC adapter. Make sure the Ethernet cable and switch/hub is PoE compliant.
- 2. The Internet Port can be also connected to Hub/Switch/IP PBX or other internet devices.

The phone can also share the network connection with other network devices such as PC. Connect the phone's PC port and computer's Network Port together using an Ethernet cable, shown as below:



# **Configuration and Registration**

If you are administrator, you need to do some simple configuration to make the phone work. If not, please contact your internet administrator or service provider for more details.

#### **Configuring via Web Page**

Press OK button on the keypad of the phone to enter the status page and find out the IP address of IP phone. Enter it (for example http://192.168.3.35) into the address bar of web browser. The default administrator's login name and password are **admin/admin**. The default user's login name and password are **user/user**.

#### Note:

Please locate your PC in the same network segment of IP phone (192.168.3.X) to access the web configuration page. Please consult your system administrator for help.

#### **Network Settings**

Choose Network-> Internet Port (WAN)

**DHCP:** Under the default situation the phone attempts to contact a DHCP Server in your network in order to obtain its valid network settings, e.g. IP address, sub mask, gateway, DNS server, etc.

**Static IP Address:** If your phone cannot contact a DHCP Server for any reason, you need to enter the network settings manually via Static IP Address. Please contact your internet administrator for more details.

**PPPOE:** If you are using the xDSL Modem, you can connect your phone to the internet via PPPoE mode. Please contact your ISP for the User **Name** and **Password** for internet access.

#### Note:

Using the wrong network parameters may result in inaccessibility of your phone and may also have an impact on your network performance. Please contact your network administrator.

#### **Account Settings**

The phone attempts to register to the SIP server using the account data provided by the automatic or manual initialization.

Field	Description
Register Status	It shows the register status of the phone.
Account Active	You can choose on/off to enable/disable the account respectively.
Label	The name showing on the LCD of current device.
Display Name	The local phone name showing on the other phone when calling.
Register Name	Register name provided by ISP.

Choose Account, you will find the following parameters:

#### **Getting Started**

User Name	User account information, provided by ISP.
Password	Account password provided by ISP.
SIP Server	SIP server address provided by ISP.

When you have finished the Network and Account Setting configuration, the Register Status Icons will show in the idle screen:



Registered successfully Register failed Registering

When all accounts register fail, phone will display "No Service" by default.

When the phone reboot, it will register automatically. If many phones register at the same time, this will affect the server, the users can set the register power up time so that the phone will random register automatically within the set time.

Setting the power up time via web interface:

Choose Network->Advanced-> Registration random, enter the time in the field.

#### Note:

Should the IP PBX (SIP registrar) require an authentication, you will be prompted to enter the correct password. Make sure you are using the appropriate input method or enter the password via the web user interface.

#### Configuring via keypad

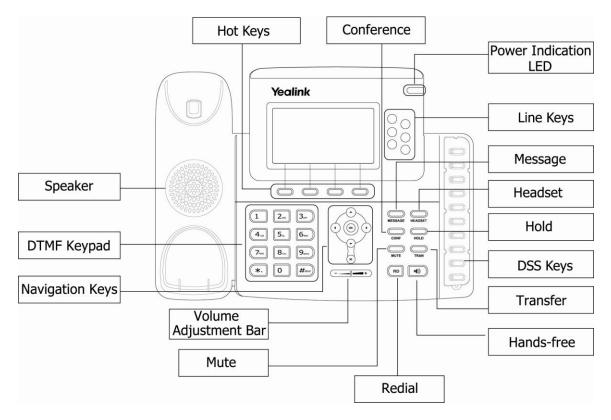
**Network Settings:** Press Menu->Settings->Advanced Settings, enter the password, and choose Network ->WAN Port /PC Port /VLAN/Webserver Type/802.1x Settings/VPN Option to enter the internet relating configuration page.

**Account Settings:** Press Menu->Settings->Advanced Settings, enter the password, and choose Accounts to configure the account settings.

You can refer to the above "Configuring via Web Page" for the parameter details.

# **Overview**

# **Keypad Instruction**



You can check the following list which introduces the IP phone's keypad in details:

#### **Power Indication LED**

It will show the power status, it will be on if the phone is powered, off if the phone is not powered, and blink when someone calls in or there is a call on mute.

#### **Hot Keys**

The screen will display labels for these keys, to identify their context-sensitive functions, and you can custom softkeys under different status.

#### Line Keys

These buttons are used to active up to the six user accounts.

#### **DSS Keys**

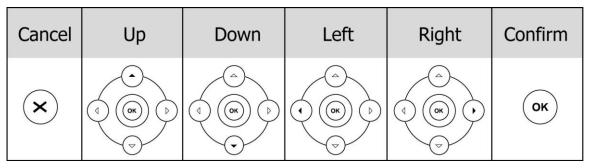
These keys are used for various functionalities such as call /Line appearance Button, Speed dial, Intercom, Pickup, Hold, Transfer, etc. If not stated the adjacent LED will light when the assigned functionality is turned on.

#### Dial Pad

Use the DTMF hard keys to enter numbers, letters and special characters. Depending on the selected input mode, you can enter digits, lower / upper case or special characters.

#### **Navigation Keys**

Use the navigation keys to navigate in the display menus and confirm or cancel actions.



#### **Audio Device Control Keys**

Use the audio device control keys to perform the following actions depending on your phone type:

(-\_\_\_**!\_\_**+)

: Adjust the volume of the handset, headset, speaker, ring tone and signal tone;



Allows for hands-free communication during calls;

Press to switch to the Group Listening mode;





Place and receive calls through an optionally connected headset. The LED will be on when the phone is in Headset mode;



#### Hard Feature Keys



Allow users to access the voicemail interface directly;



Enable setup of a conference;



Place a call on hold or resume it;



During a call, press to transfer the current call to the third party; When the phone under the idle, press to enter the forward configuration page;



Press to enter the Dialed Calls interface and choose a record to dial out;

# **LED** Instruction

Table 1 DSS Key set to BLF

LED Status	Description
Steady green	The monitored account is in idle status
Blinking red	There is an incoming call to the monitored account
Steady red	The monitored account is on a conversation
Off	It is not active as BLF

Table 2 DSS Keys set to BLA (Bridged Line Appearances)

LED Status	Description
Steady green	All of the members are in idle status
Steady red	Some part(s)is seizing the line
Blinking green 300ms	Some part(s) is ring-back
Blinking red 300ms	Some part(s) is ringing
Steady orange	Some part(s) is on the phone
Blinking Orange	Some part(s) is under the public hold status, and all of the
500ms	members can retrieve the call
Blinking green 500ms	Some part(s) is under the private hold status, and only the
	initiator can retrieve the call
Blinking red 500ms	Three way conference, all of the parts press hold
Off	It is not active as BLA

#### Table 3 Line Keys set to BLF

LED Status	Description
Steady green	The monitored account is in idle status
Fast blinking green	There is an incoming call to the monitored account
Slow blinking green	The monitored account is on an conversation
Off	It is not active as BLF

#### Table 4 Line Keys set to BLA

LED Status	Description
Steady green	All of the members are in idle status
Slow blinking green	Some part(s) is seizing the line/ ring-back/ under the private hold status.
Fast blinking green	Some part(s) is ringing/on the phone / under the public hold status or all of the parts press hold.
Off	It is not active as BLA

Table 5 Line Keys

LED Status	Description
Steady green	The account is active
Blinking green	There is an incoming call to the account, or there is a call on hold.
Off	The phone is in idle status whatever registered /unregistered

#### Table 6 Power Indication LED

LED Status	Description
Steady green	Power on
Blinking green	There is an incoming call, or there is a call on mute
Off	Power off

# **Icon Instruction**

The IP Phone displays different kinds of icons on its LCD, you can refer to the following table for their meanings:

Icon	Description			
Ţ	Flashes when the internet is disconnected			
8	Account register failed			
£	Account registering			
8	Account register successful			
~	Missed calls			
<b>`</b>	Call in			
κ.	Call out			
2aB	Input Method: all letters and numbers			
123	Input Method: numbers			
abc	Input Method: multi-lingual letters in lower case			
ABC	Input Method: multi-lingual letters in upper case			
<u> </u>	Call mute			
0	Call hold			
00	Voicemail			
	SMS			
<b>C</b>	Call forward			
DND	DND(Do Not Disturb)			

AA	Auto answer
ر د	In handset mode
0	In headset mode
-40	In speaker mode
Щ×	Ring volume is 0
$\otimes$	The recording session cannot be started
ø	The recording cannot be stopped
Ð	Probably the recording box is full
×	This call cannot be recorded
•	The recording session is successfully started

**Overview** 

### **User Interface**

There are two ways to customize specific options on your phones:

- 1. Using keypad and display on the phone;
- 2. Using Web user interface in an Internet browser from your PC; please refer to "Configuration and Registration" to get into the Web interface.

In many instances, it is possible to use both the user interfaces to operate the phone and change settings; some, however, are only possible via a phone or web user interface. Please refer to the following table for differences:

Phone Options	Phone UI	Web UI
Status		
IP		
MAC		
Firmware	$\checkmark$	$\checkmark$
Network		
Phone		
Accounts		

Features		
Call Forward	$\checkmark$	
Call Waiting	$\checkmark$	
DSS Keys	$\checkmark$	
Key as Send	$\checkmark$	
Hot Line	$\checkmark$	
Anonymous Call	$\checkmark$	
Auto Redial Settings	$\checkmark$	
DND Code	$\checkmark$	$\checkmark$
ReDialTone		
Emergency		
BusyToneDelay		
Return code when refuse		
Return code when DND		
Intercom	$\checkmark$	
Call Completion	$\checkmark$	
<b>Basic Phone Functions</b>		
Language	$\checkmark$	$\checkmark$
Time & Date	$\checkmark$	$\checkmark$
Ring Tone	$\checkmark$	$\checkmark$
Phone Volume	$\checkmark$	
Logo Customization		$\checkmark$
Advanced Phone Functions		
Accounts	$\checkmark$	
Network	$\checkmark$	
Voice		
Codecs		
Echo Cancellation etc		
Phone Setting	$\checkmark$	
Backlight	$\checkmark$	$\checkmark$
Contrast	$\checkmark$	
Lock	$\checkmark$	
Reset to factory	$\checkmark$	
Set admin password	$\checkmark$	
Set AES Key	$\checkmark$	
Auto Provision	$\checkmark$	

SIP Account		
User Option	$\checkmark$	
Account Active	$\checkmark$	
Label	$\checkmark$	
Display Name	$\checkmark$	
Register Name	$\checkmark$	
User Name	$\checkmark$	
Account		
Password	$\checkmark$	
SIP Server	$\checkmark$	
Register Status	$\checkmark$	-/
Server Option	$\checkmark$	ν
Registrar Server	$\checkmark$	
Registrar Port		
Outbound Proxy Server	$\checkmark$	
Backup Outbound Proxy Server		
OutBound Status	$\checkmark$	
NAT Traversal		
STUN Server	$\checkmark$	
STUN Status	$\checkmark$	
Missed call log		
Auto Answer	$\checkmark$	
Other Features		
Messages	$\checkmark$	$\checkmark$
History	$\checkmark$	$\checkmark$
Directory	$\checkmark$	$\checkmark$
Contacts	$\checkmark$	$\checkmark$
Blacklist	$\checkmark$	$\checkmark$

#### Note:

1. The above table only indicates most of phone functions rather than all of them. Please refer to the relating parts for more details.

The default administrator password is **admin**.

# **Customizing Your Phone**

### **General Settings**

#### **Phone Status**

You can view the status of your phone using the Phone interface or the Web interface. This option allows you to review:

- Network status: IP, Mac, WAN/LAN, Gateway and DNS;
- Phone status: Model, Hardware, Firmware, Product ID and MAC;
- Accounts: The 6 SIP accounts status;
- Firmware version;

To check the Phone Status via Phone interface:

- 1) Press OK button directly or Menu hot key, choose the Status option.
- 2) Use the navigation keys to scroll through the list and check the specific one.

To view the Phone Status via Web interface:

Open the web browsers and input the IP Address http://WAN-ip-address; Enter the account and password (default account and password are both "admin"); choose Status directly to check the status.

#### Language

The default Phone interface language is **English**. The Web interface language will depend on your computer Operation System. It will automatically match the language with your computer and browser.

It also supports Simplified Chinese, Traditional Chinese, French, German, Italian, Portuguese, Spanish, etc. You can change the language for the phone user interface and the web user interface independently from each other.

#### Note:

All languages may not be available for selection. The available languages depend on the language packs currently loaded to the IP phone. Please contact with your system administrator for more information about loading language packs.

To change the language via Phone interface:

- 1) Press Menu->Settings->Basic Settings->Language.
- 2) Scroll through the list of available languages.
- 3) Press the Save hot key when the desired language is highlighted. The language appears on the graphic display will be changed to the one you chose.



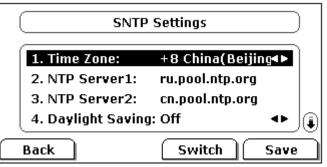
- 4) Press Save hot key to save the changes.
- 5) Press Back hot key to return to the previous screen.

#### **Time and Date**

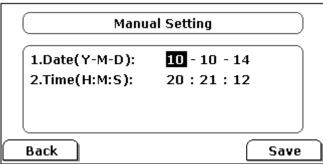
The time and date appears on the idle screen of the IP phone. If the phone cannot obtain a time and date from the call server, please contact your system administrator if the time or date is incorrect. You can set the time manually or via the SNTP server which is used to synchronize the time.

To change the Time and Date via the Phone interface:

- 1) Press Menu->Settings->Basic Settings->Time & Date.
- 2) If SNTP Settings is chosen, the phone will automatically get the time from the specific NTP Server. Use the navigation keys to highlight the specific option and the relating changes. You can set the Time Zone, NTP Server1/Server2, and Daylight Saving respectively.



3) If Manual Setting is chosen, the time can be set manually. Use the navigation keys to highlight the option and enter the specific date and time.



4) Press Save hot key, the time appears on the idle screen will be changed. Press Back hot key to return to the previous screen.

To set the time format via phone interface:

1) Press Menu->Settings->Basic Settings->Time & Date->Time & Date Format.

Time & Date Format							
1. Clock:	24 Hour	•					
2. Date Format:	WWW DD MMM	•					
Back	Switch	Save					

- 2) Use the Switch hot key to choose a preferred time format: 12 hour or 24 hour.
- Use the Switch hot key to choose a preferred date format, the IP phone can support
   7 kind of date display format.
- 4) Press the Save hot key to save the changes and return to the previous screen.

To change the Time and Date via the Web interface:

Choose Phone->Preference to do the relating changes. You can also change the Update Interval which specifies the time frequency that the phone refreshes the time automatically. Please refer to the instruction above for the parameters' detail.

alink						<u>Lo</u>
	Status Account	Network	Phone	Contacts	Upgrade	Security
Preference	Features Softkey Layout	DSS Key EXT Key	Action URL	Voice Ring	Tones Dial	Plan SMS
Preference	Features     Softkey Layout       WEB Language       DHCP Time       Time Zone       Primary NTP Server       Secondary NTP Server       Update Interval(seconds)       Daylight Saving Time       Fixed Type       StartTime       End Time       Offset(minutes)       Manual Time       Time Format       Date Format	English Disabled +8 China(Beij cn.pool.ntp.or cn.pool.ntp.or 1000 Automatic	rg Q rg Q	r	NOTE Time 2 Choose you ard Select your tim The se to sync of the Updat Specify which refresh Daylig The pa active time. Manua Enable time m The se	tone the time zone in. nezone there inver which is used chronize the clock phone. e Interval the interval at the unit will the time. ht Saving Time rameter used to the daylight saving al Time or disable to set anually.
	Live Dialpad Inter Digit Time(1~14)(seconds) Flash Hook Time(<800ms) Backlight Brightness Backlight Time(seconds) LCD Contrast	Disabled 4 1 2 30 6				be 8K, mono, 16- w compression
	Keyboard Lock	Disabled	<u> </u>			

To change the Daylight Saving Time Settings via the Web interface:

1) Choose Phone->Preference->Daylight Saving Time to do the relating changes.

- 2) Choose Enable option, then you can set the Daylight Saving Time.
- 3) Choose Automatic. There is a table named as AutoDST.xml has been saved in the configuration file, if the table includes daylight saving time of your time zone, it will show the Fixed Type: By Date or By Week. And the daylight saving time is unchangeable, unless to update the AutoDST.xml via auto provision.

link						L
	Status Account	Network	Phone	Contacts	Upgrade	Security
Preference	Features Softkey Layout	DSS Key   EXT Key	y Action URL	Voice Ring	Tones Dial F	Plan SMS
	WEB Language	English	× 0			
	DHCP Time	Disabled	~		DINOTE	one
	Time Zone	+8 China(Bej	jing)	2 2	Choose you are	the time zone in.
	Primary NTP Server	cn.pool.ntp.o	rg 🕜		NTP Ser	
	Secondary NTP Server	cn.pool.ntp.o	irg 🕜		to synch	ver which is use pronize the cloc
	Update Interval(seconds)	1000	0		of the p	
	Daylight Saving Time	Automatic	× 0		Specify	Interval the interval at ne unit will
	Fixed Type	🙆 By Date	C By Week	Daylight Saving Tim		the time.
	StartTime	Month	Day Ho	ur		t Saving Time ameter used to
	EndTime	Month	Day Ho	ur		ne daylight savi
	Offset(minutes)				Manual	
	Manual Time	Disabled	2		Enable o time ma	or disable to set nually.
	Time Format	24 Hour	2		Ring To	
	Date Format	WWW MMM	DD 💌 🕜		must be	oad ringtones format of wav ampling rate
	Live Dialpad	Disabled	2		should b	e 8K, mono, 1 compression
	Inter Digit Time(1~14)(seconds)	4	0		510 0 101	( compression
	Flash Hook Time(<800ms)	1	0			
	Backlight Brightness	2	2			
	Backlight Time(seconds)	30	?			
	LCD Contrast	6				
	Keyboard Lock	Disabled	× (2)			

#### **Keypad Lock**

You can lock the keypad of your phone when you are temporarily not using it. This function helps you to protect your phone from unauthorized use. You can lock the following specific keys:

- Menu Key:
   The Menu hot key cannot be used until unlocked. You cannot access the menu of the phone.

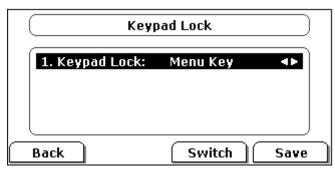
   Function Keys:
   The hard function keys cannot be used until unlocked. You cannot
- *Function Keys:* The hard function keys cannot be used until unlocked. You cannot access the MESSAGE, CONF, HOLD, MUTE, TRAN, RD, History, Directory, DND, OK, X, navigation Keys, etc.
- All Keys: All of the keys can not be used until unlocked. You can only use the phone to answer the incoming calls.
- Lock&Answer: All the incoming calls will be put through automatically (Auto Answer), but can not be hung up by your party.

To enable keypad lock via Phone interface:

1) Press Menu->Settings->Advanced Settings, enter the password, and then press

Confirm hot key.

- 2) Press Phone Setting->Lock.
- 3) Use the navigation key (or press the Switch hot key) to highlight the one you want to lock.



- 4) Press Save hot key to save the change, or Back hot key to return to the previous screen.
- 5) The icon  $\mathbf{H}$  will be displayed on the top right corner of the idle screen.
- 6) If you choose LOCK&ANSWER, it will show the icon  $\square$  and  $\square$  on the user interface.

To unlock the phone via Phone interface:

- 1) Press Menu hot key, you are prompted for the password.
- 2) Enter the password, and then press Enter hot key, the phone will be unlocked.
- 3) The icon will be disappearing from the idle screen.
- If you choose Lock&Answer, you have to enter Menu->Settings->Advanced Settings, enter the password, and then choose Phone Setting->Lock to disable this option.

To enable keypad lock via Web interface:

Choose Phone->Preference-> Keyboard Lock to do the relating changes. Please refer to the instruction above for the parameters' detail.

#### **Customizing Your Phone**

	Primary NTP Server	cn.pooi.ntp.org		NTP Server
	Secondary NTP Server	cn.pool.ntp.org 🕜		The server which is used to synchronize the clock
	Update Interval(seconds)	1000 🕜		of the phone.
	Daylight Saving Time	Automatic 🕑 🕐		Update Interval Specify the interval at which the unit will
	Fixed Type	🖲 By Date 🖸 By Week		refresh the time.
	StartTime	Month Day Ho	ur	Daylight Saving Time The parameter used to
	EndTime	Month Day Ho	ur	active the daylight saving time.
	Offset(minutes)			Manual Time
	Manual Time	Disabled 🕑 🕜		Enable or disable to set time manually.
	Time Format	24 Hour 🕑 🕐		Ring Tone The upload ringtones
	Date Format	WWW MMM DD 💌 💡		must be format of wav whose sampling rate
	Live Dialpad	Disabled 🕑 🕜		should be 8K, mono, 16- bit U-law compression
	Inter Digit Time(1~14)(seconds)	4		
	Flash Hook Time(<800ms)	1		
	Backlight Brightness	2 🕑 🕐		
	Backlight Time(seconds)	30 💌 🕜		
	LCD Contrast	6 💌 🕜		
	Keyboard Lock	Disabled 🕑 🕐		
	WatchDog	Enabled 🕑 🕐	Menu key	
	Ring Type	Ring1.wav 🕑 De	Softkov	able
	Upload Ringtone	[ []	Function keys will be locked	
		Upload Cancel	All keys All keys except menu key	
	Confirm	Cancel	Lock and Auto-Answer Lock all the keys and incomin	
	comm	Cancer	calls auto-answer	g
Note:				
1 The default pa	ssword for unlock is	admin		

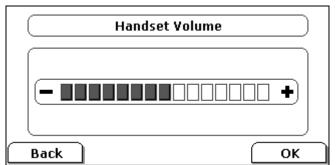
# **Audio Settings**

#### Volume

You can adjust the volume of handset/speaker/headset/Ring.

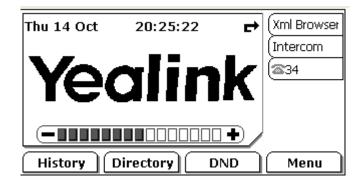
To adjust the volume when you are not in an active call:

- 1) Press Menu->Settings->Basic Settings.
- 2) Scroll to Phone Volume, and press Enter hot key, highlight the one you want to adjust the volume, use the Volume Adjustment Bar or navigation keys to adjust the volume.



3) Press OK hot key to save the change or Back hot key to cancel.

4) And you can also press the Volume Adjustment Bar to adjust the ring volume when the phone is in idle status.



To adjust the volume when you are in an active call:

When Handset/Headset/Hands-free mode is activated, press the Volume Adjustment Bar to a comfortable level.

#### Note:

The volume can only be adjusted via Phone interface. When you adjust the ring volume to 0, or press the Silence hot key when there is incoming call, the icon  $\mathbb{Q}^X$  will be shown on the LCD. Press the Volume Adjustment Bar to adjust the volume, and the icon will disappear.

#### **Ring Tones**

You can adjust the type and volume of the ring tone.

To adjust the Ring Tone Type via Phone interface:

- 1) Press Menu->Settings->Basic Settings.
- 2) Scroll to Ring Tone, and press Enter hot key.
- 3) Use the navigation keys to highlight the specific one.
- 4) Press Save hot key to save the change or Back hot key to cancel.

To change the Ring Tone Type via Web interface:

Choose Phone->Preference->Ring Type, highlight the specific one in the scroll-down menu, click confirm button to save the changes. You can also delete the specific one by clicking the Del button.

#### **Customizing Your Phone**

	Secondary NTP Server	cn.pool.ntp.org	0	NTP Server The server which is used
	Update Interval(seconds)	1000	0	to synchronize the clock of the phone.
	Daylight Saving Time	Automatic V	0	Update Interval Specify the interval at
	Fixed Type	By Date By W	-	which the unit will refresh the time.
				Daylight Saving Time
	StartTime	Month Day	Hour	The parameter used to active the daylight saving
	EndTime	Month Day	Hour	time.
	Offset(minutes)			Manual Time Enable or disable to set
	Manual Time	Disabled 💌	0	time manually.
	Time Format	24 Hour 💌	0	Ring Tone The upload ringtones
	Date Format	WWW MMM DD 💌	0	must be format of wav whose sampling rate
	Live Dialpad	Disabled 💌	0	should be 8K, mono, 16- bit U-law compression
	Inter Digit Time(1~14)(seconds)	4	0	bic onew compression
	Flash Hook Time(<800ms)	1	0	
	Backlight Brightness	2	0	
	Backlight Time(seconds)	30 💌	0	
	LCD Contrast	6	0	
	Keyboard Lock	Disabled 💌	0	
	WatchDog	Enabled 💌	0	
	Ring Type	Ring1.wav 💌	Del 🕜	
	Upload Ringtone		浏览 Phone Ringir	ng type settings
		Upload Cano	tel	
	Confirm	Cancel		

#### Note:

The ring tone file of system cannot be deleted.

To upload the new Ring Tone via Web interface:

- 1) Choose Phone->Preference->Upload Ringtone.
- 2) Click Browse button to choose the specific ring tone file.
- 3) Click Upload button to upload the file.

#### Note:

The ring tone file format must be in 16bits WAV format (via Ulaw Compression), 8K sample rate (monophony). Blank or other special characters cannot be included in the file name.

To specify ring tones for a specific account via Web interface:

Choose Account->Basic->Ring Type option, and highlight the preferred one for the chosen account in the scroll-down menu, then click confirm button to save the changes.

#### **Codec Selection**

The IP phone supports the following voice codecs:

G723\_63, G722, G726-16, G726-24, G726-32, G726-40, PCMA, G729, PCMU and G723\_53

You can enable/disable the desired codecs via Web interface. Please contact your System Administrator for more details about the codecs.

To enable/disable the codecs:

1) Choose Account->Codecs.

alink		_	_			Logou
Status	Account	Network	Phone	Contacts	Upgrade	Security
Account Basic >> Codecs >> ?	Disable codecs 6723_53 6723_63 6726-16 6726-24 6726-32 6726-40	Account Enable PCMU PCMA G729 G722	codecs		SIP is which display SIP se used User a VoIP NAT Define be ac Proxy A spe Norte	ay Name ervice subscriber's nam will be used for Caller y. Ster Name ervice subscriber's ID for authentication. Name account, provided by service provider. Iraversal as the STUN server wil tive or not. y Require cial parameter just for I server. If you login to
Advanced >>	Confirm		Cancel		be: com.r <b>Code</b>	
					to use <b>Adva</b> The A	

- 2) Use the navigation keys to highlight the desired one in the Enabled/Disable Codecs list, and press the >> / << to move to the other list.
- 3) Click Confirm to save the change.

#### Note:

Codec selection can only be set via Web interface.

### **Contact Management**

#### **Edit/Add/Delete Contact**

You can store a large number of contacts in your phone's directory. You can add, edit, delete, dial, or search for a contact in this directory.

The directory includes Local Directory, Blacklist, Remote Phonebook and Broadsoft

Directory	
1. Local Directory	
2. Blacklist	
3. Remote Phonebook	
4. Broadsoft	J
Back	Enter

To add a Group via Phone interface:

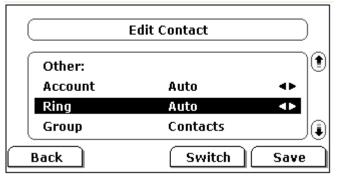
1) Press Directory->Local Directory

- 2) Press AddGroup hot key to enter to the Add Group page.
- 3) Enter the group name and choose the ring.
- 4) Press the Save hot key to save.

	Ac	ld Group	
Name:			
Ring		Auto	
Back	abc	Delete	Save

To add a contact via Phone interface:

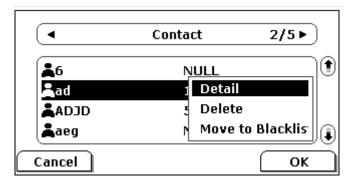
- 1) Press Directory->Local Directory
- 2) Choose a group, and press the Enter hot key.
- Press Add hot key, enter Name, Office, Mobile, Other and Account options of the contact by the keypad. Use the abc hot key to select between numeric and upper/lower case alphanumeric modes.
- 4) Use the navigation keys to select the desired account as Line if you want to assign the contact to a specific account.
- 5) Choose and set a special ring tone for the contact.
- 6) Use the navigation keys to select the group which you want to assign.



7) Press Save hot key to add the record to contacts or Back hot key to cancel.

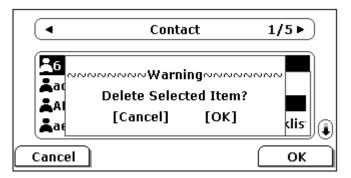
To edit a contact via Phone interface:

- 1) Press Directory->Local Directory
- 2) Choose a group, and press the Enter hot key.
- 3) Use the navigation key to highlight the one you want to edit, press Option->Detail, and enter to the edit interface.
- 4) And then make the changes, press Save hot key to save the changes, or press Back hot key to return to the directory.



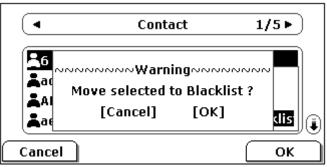
To delete a contact via Phone interface:

- 1) Press Directory->Local Directory
- 2) Choose a group, and press the Enter hot key.
- 3) Use the navigation key to highlight the one you want to delete, press Option hot key, and scroll to Delete, press OK hot key.
- 4) It will pop up a warning frame asking whether confirm to delete the contact.
- 5) Press OK hot key to confirm the operation, or press the Cancel hot key to return to the directory.



To move a contact to the Blacklist via Phone interface:

- 1) Press Directory->Local Directory
- 2) Choose a group, and press the Enter hot key.
- 3) Use the navigation key to highlight the one you want to move, press Option hot key, and scroll to Move to Blacklist, press OK hot key.
- 4) It will pop up a warning frame asking whether confirm to move the contact.
- 5) Press OK hot key to confirm the operation, or press the Cancel hot key to return to the directory.

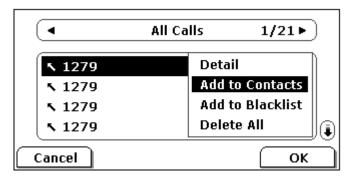


#### Note:

If a contact is moved to the blacklist, then the call from this contact cannot get through.

To move a contact in History to Contacts via Phone interface:

- 1) Press History hot key to enter the local call history list.
- 2) Use the navigation keys to highlight a record, and then press the Option hot key to pop up the field, highlight Add to Contacts option, then press the OK hot key to enter the edit interface.
- 3) Press the abc hot key to switch the input mode.
- 4) After the edition, press the Save hot key to save the change. Then you can go to Contacts interface to check the record.



To search a contact via Phone interface:

- 1) Press Directory->Local Directory->Search.
- 2) It will turn to the search interface, and then you can enter the query condition, press the OK hot key.
- 3) Then the phone will show the record which qualified.

Search Contact						
Search:						
Cancel [	abc	Del	ete   (	ок		

To add/delete/edit/move the contacts via the Web interface:

Choose Contacts->Local Phone Book. Please refer to the instruction above for the parameters' detail.

#### **Customizing Your Phone**

										<u>Loqout</u>	t
Yea	link										
E35-	VOP	Status	Account	t Ne	twork	Phone	Contacts	Upg	rade	Security	
		Local Pho	oneBook Blad	:kList Rem	iote PhoneBook	Phone Call Inf	o LDAP	Broadsoft	Call Lo	a	
		All Contacts	✓ Ø					angup			
	_		Office Num	Mobile Nur	n Other N						
	Index 1	Name		Mobile Nur	n Otherin	um Account Auto	Groups	-			
	2	qq ww	<u>123</u> 0599			Auto				Contact/Blacklist t the contact	
	3	****	0000			Auto			inforn	nation. User	
	4							Ē		in't leave contact blank.	
	5							Ē	name	Diarres	
	6							Ē	Delet	0	
	7								Cont	act/Blacklist	
	8							Г		t the contact you to delete in the	
	9							Г	grid, a	and then press the	
	10								butto	n Delete to	
	Page: 1	Y Prev	/ Ne	kt Mov	ve To BlackList		Delete All	Del	conni		
									Move	to	
	Cont	tacts			Group Inf	ormation			Cont	act/Blacklist	
				_	croup in					e the contacts you to move in the	
	Name	-			Groups				grid, a	and press the	
	Office	e Num			Ring	Auto	<b>~</b>			n move to ct/Blaklist to move	
	Mobil	e Num							it.		
	Othe	r Num			Add	Edit Del I	Delete All				
	Acco	unt	Auto	<b>~</b>					Impo	<b>rt</b> se the file in XML	
	Ring		Auto	~	Please sel	ect the contacts			forma		
	Grou	os	N/A	~			浏览				
	0.00				Import )	(ML Export XM	IL		Expo		
		Add	Edit Search							Export button and a file with whose	
							浏览		name	you prefer to	
									expor	t.	
					Import (	CSV Export CS	V				
					Show t	itle					

# **Import/Export Contact list**

Import/Export Contact List via Web interface:

1) Choose Contacts->Local Phone Book.

#### **Customizing Your Phone**

								<u>Loqout</u>	
Yea	link								
E95	u vop	Status	Account	Network	Phone	Contacts	Upgrade	Security	
		Local Pho		List Remote Phon	eBook Phone Call :	Info LDAP	Broadsoft Call Lo		
				Lise   Remote Phon	rebook   Phone can			'9 '	
		All Contacts	<u> </u>				langup		
	Index	Name	Office Num	Mobile Num O	ther Num Accou			E	
	1	ρp	<u>123</u>		Auto	-		Contact/Blacklist	
	2	ww	<u>0599</u>		Auto	D		it the contact nation. User	
	3						shou	dn't leave contact	
	4						name	e blank.	
	5								
	6						Dele Cont	te :act/Blacklist	
	8						Selec	t the contact you	
	9							to delete in the and then press the	
	10						- Đutto	on Delete to	
		✓ Prev	Next	Move To Bla	rkl ist	Delete All	confi Del	rm.	
	Page, 1			110101000	Cheloc	Delete / III			
							Mov	e to act/Blacklist	
	Cont	acts		Grou	up Information			se the contacts you	
	Name			Grou	ips			to move in the and press the	
	Office	Num		Ring	Auto	×		on move to	
	Mobile	e Num					it.	act/Blaklist to move	
	Other	r Num		Ad	d Edit Del	Delete All			
	Accou		Auto				Impo		
		unc .	Auto V	Plea	se select the contact	ts list file	Brow	se the file in XML	
	Ring	l				浏览	TOTTA		
	Group	os	N/A				Expo	urt .	
		Add	Edit Search		nport XML Export	XML	Click	Export button and	
			Juic Jearch	· · · · · · · · · · · · · · · · · · ·		浏览		e a file with whose you prefer to	
							expo		
				In	nport CSV Export	CSV			
					Show title				

- 2) Browse the specific contact list file in .XML format or .csv format, and then click Import button. The imported contact lists will be shown in the directory.
- 3) Move the mouse to the icon ?; you will see the notes for parameters. The meanings of this icon on other pages is the same, we will not elaborate it one by one.
- 4) Click the Export button to export the contact list.

#### Note:

Import/Export Contact List can only be set via Web interface.

### BlackList

If you add a contact to blacklist, then the call from this contact cannot get through. The operation of blacklist is the same as contact.

#### **Customizing Your Phone**

Yeal	link							Loc	q <u>out</u>
Easy	/op	Status	Account	Network	Phone	Contacts	Upgrade	Security	<u> </u>
		Local PhoneBook	BlackList	Remote PhoneBoo	ok 📔 Phone Call I	nfo LDAP B	roadsoft 📔 Call Lo	g	
	BlackList	0				Ha	ngup		
	Index	Name	Office Num	Mobile Num	Other Num	Account			
	1	аа	<u>123456</u>			Auto	black	listnote	
	2	SSS		01247		Auto	Г		
	3								
	4						<b></b>		
	5								
	6								
	7								
	8								
	9								
	10						<b></b>		
	Page: 1	Y Prev	Next	Move To Contac	ts	Delete All	Del		
	Name Office Mobile Other Accou	Num	Search						

### **Remote Phone Book**

The IP phone has directory itself, but in the enterprise applications where there are a need for a common phone book. For the maintenance and the update of it, the common phone book is usually carried out on the server or IPPBX to maintain up-to-date public phone book, terminal users need to have remote phone book function. When the users browse the remote phone book, the terminal will check and download the latest information released on the server in time, and display on the terminal for the user.

To set the Remote Phone Book via Web interface:

1) Choose Contacts->Remote Phone Book.

Voo	link							Loge	<u>out</u>
		Status	Account	Network	Phone	Contacts	Upgrade	Security	
		Local PhoneBook	BlackList	Remote PhoneBo	ok   Phone Call Info	LDAP Br	oadsoft   Call Log		
	Index 1 2 3 4 5	http://10.1.3.45	Phone Bo :8080/abc_auto Confirm		Phone abc abc Cancel	Book Name	This feat to down from the the pho	e phone book ture allows you load contact list e server. Input nebook URL and the phonebook	

2) Input the Phone book URL and the phone book name, and then click the Confirm button to save the change.

To check the Remote Phone Book via Phone interface:

- 1) Press the Directory->Remote phonebook.
- Enter to the Remote Group page, choose a special one, and press the Enter hot key, it will go to the corresponding URL address to download the contact information for you.

Remote G	roup
1. Yealink	)•
2. YealinkTest	
3. text1	
Back	Enter

#### Note:

- 1. This IP phone can support 5 remote phone books at most.
- 2. Every contact in the remote phone book can set several phone numbers.

#### **Broadsoft**

Broadsoft phone book is the same as the Remote Phone Book. This feature allows you to download contact list from the server. Input the phonebook URL, port, username, password and rename the phonebook.

Yealink							<u>Loqout</u>
Easy vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
	Local PhoneBook	BlackList	Remote PhoneBook	Phone Call Info	LDAP Broa	adsoft 🕴 Call Log	
	Broadsoft Item Displayname Server Port User Password	Rem1 V (family http://10.1.3 Confirm		Cancel		This feat to down from the the phor	t,username,password me the

Broadsoft Gro	up
1. family 2. company	
3. test	
Back	(i)

# LDAP

LDAP can support these functions:

1. Search the contact: Press the DSSkey which is set up as LDAP, input a number or letter in the new interface, the phone will search the contact in LDAP server which following the Certain rules, and show it in the LCD, user can choose the contact to call out.

2. Search the incoming call: the phone will search the local directory when there is a coming call. If they can't find the contact in the local directory, it will search them through LDAP server, and show the contact name in the LCD. The LDAP Lookup For Incoming Call option can be configured to enable or disable this function via web interface.

3. The function of Dial-up directory: under the dial interface, each time you press a key there are inquiring for a number. It will show on the LCD and let the user to choose. The LDAP Lookup For PreDial/Dial option can be configured to enable or disable this function via web interface.

To set the LDAP via the Web interface:

- 1) Choose Contacts->LDAP.
- 2) Configure the corresponding options.
- 3) Click Confirm to save the change.

### **Customizing Your Phone**

Yealink							<u>Loqout</u>
Easy vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
	Local PhoneB	look BlackList	Remote PhoneBook	Phone Call Info	LDAP Bro	adsoft 📔 Call Log	
	LDA	P Name Filter		0			
						D NOTE	
		P Number Filter		0		LDAP se	ettings
	Serv	er Address	0.0.0.0	• • • • • • • • • • • • • • • • • • • •			
	Port		389	0			
	Base			0			
	User	Name		0			
	Pass	word		0			
	Max.	. Hits(1~32000)	50				
	LDA	P Name Attributes		0			
	LDA	P Number Attributes		0			
	LDA	P Display Name		•			
	Prot	ocol	Version3				
	Sear	ch Delay(ms)(0~2000	) 0	0			
	LDA	P Lookup For Incoming	Call Enabled	2			
	LDA	P Sorting Results	Enabled	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
	LDA	P Lookup For PreDial/D	ial Disabled				
		Confirm		Cancel			

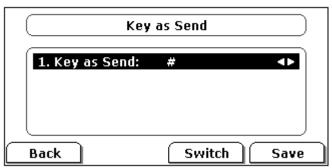
## **Other Settings**

### Key as Send

Users can set a specific button ("#" or "\*") to active as the send button.

To set the send key via the IP phone interface:

4) Press Menu->Features->Key as Send->Enter to enter the configuration page.



- 5) Press the Switch hot key to choose a button that you want to use as the send key: "#", "\*", or disable this option.
- 6) Press the Save hot key to save the changes.

To set the send key via the Web interface:

- 1) Choose Phone->Features->Key As Send.
- 2) Highlight the specific one in the pull-down menu, then click confirm button to save the change.

### **Hot Line**

To set the hot line number via the IP phone interface:

1) Press Menu->Features->Hot Line->Enter to enter the configuration page.

Hot Line	
1. Number:	
2. HotLine Delay: 0	
	٩
Back 123 Del Save	

- 2) Enter the hot line number and HotLine Delay time (for example, 20 seconds), then press the Save hot key to save the changes.
- 3) When you pick up the handset or press the speaker button, it will dial out the number automatically if you do not press any keys for 20 seconds.

To set the Hot Line via the Web interface:

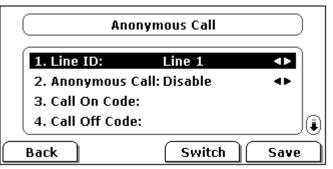
- 1) Choose Phone->Features.
- 2) Input the Hotline Number and Hotline Delay, and then click the Confirm button to save the change.

- On Code		switched Off.
Off Code		Call Waiting This call feature allows
General Information:		your phone to accept other incoming calls
Call Waiting	Enabled 💙 🕜	during the conversation.
Call Waiting Tone	Enabled 🕑 🕜	Key As Send Select * or # as the
Auto redial	Disabled 🕜	send key.
Key As Send	# 🕑	Hotline Number When you pick up the phone, it will dial out the
Reserve # in User Name	Enabled	hotline number automatically.
Button Sound	Enabled 💌	Upload Logo
Send Sound	Enabled	The picture must be format of dob, it can be
Hotline Number		black and white, or 2 gray scale.
Hotline Delay	4 Set hotline number	
ReDialTone		
Emergency		
BusyToneDelay(seconds)	0 🕑 🕜	
Ringer Device for Headset	Use Speaker 🕑 🕜	
Headset Send Volume (1~53)	29	
Return code when refuse	486 (Busy here) 🕜	
Return code when DND	480 (Temporarily not available) 🗹 🕜	
DND On Code		
DND Off Code		
Allow Intercom	Enabled 🕑 🕜	
Intercom Mute	Disabled 🕑 🕜	
Intercom Tone	Enabled 💌 🕜	

### Anonymous call

To set the anonymous call via the IP phone interface:

1) Press Menu ->Features->Anonymous Call->Enter to enter the configuration page.



- 2) By the Switch hot key, you can choose the Line ID.
- 3) Press the navigation keys to enter and choose whether to enable the anonymous call function. This feature allows the subscriber to make a call with the display of their calling identification information blocked.
- 4) If you want to realize this function by server, please choose and enter the Call On Code and Call Off Code. When you choose to enable the anonymous call function on your IP phone, it will send information to the server, and the server will enable/ disable the anonymous call function for your IP phone automatically.
- 5) Press the navigation keys to enter and choose whether to enable the anonymous rejection function. The feature allows the subscriber to reject all calls from callers who have blocked the display of their calling identification information (calling number and calling name).
- 6) If you want to realize this function by server, please choose and enter the Reject On Code and Reject Off Code. When you choose to enable the Rejection option on your IP phone, it will send information to the server, and the server will enable/ disable the rejection anonymous call function for your IP phone automatically.

#### Note:

This configuration is only available for the current default account.

7) Press the Save hot key to save the changes.

To set the anonymous call via the Web interface:

- Choose Account-> Basic-> Anonymous Call to do the relating changes. Please refer to the instruction above for the parameters' detail.
- 2) Then click the Confirm button to save the changes.

### **Customizing Your Phone**

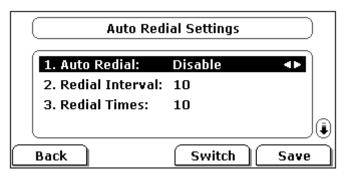
				ulapiay.
	Register Status	Registered		Register Name
	Account Active	On C Of	f	SIP service subscriber's ID used for authentication.
	Label	2105	0	
	Display Name	2105	0	User Name User account, provided by
	Register Name	2105	0	VoIP service provider.
	User Name	2105	0	NAT Traversal
	Password	•••••	0	Defines the STUN server will be active or not.
	SIP Server	192.168.1.199	Port 5060 🕜	Proxy Require
	Enable Outbound Proxy Server	Disabled 💌	0	A special parameter just for Nortel server. If you login to
	Outbound Proxy Server		Port 5060 🕜	Nortel server, the value should be:
	Transport	UDP 💙	0	com.nortelnetworks.firewall
	Backup Outbound Proxy Server		Port 5060 🕜	Codecs
	NAT Traversal	Disabled 💌	0	Choose the codecs you want to use.
	STUN Server		Port 3478 🕜	Advanced
	Voice Mail		0	The Advanced parameters for administrator.
	Proxy Require		0	aurimistrator.
	Anonymous Call	Off 💌	0	
	On Code		2 Enable/Disable anonymous call	
	Off Code		0	
	Anonymous Call Rejection	Off 👻	0	
	On Code		0	
	Off Code		0	
	Missed call log	Enabled 💌	0	
	Auto Answer	Disabled 💌	0	
	Ring Type	common 💌	0	
Codecs >>	0			
Advanced >>				
Auvaliced 22				

## **Auto Redial**

Auto redial is a telephone feature that redials a busy number in a fixed number of times before giving up.

To set auto redial via the IP phone interface:

1) Press Menu->Features->Auto Redial Settings->Enter to enter the configuration page.



- 2) By the Switch hot key, you can choose whether to enable the auto redial function.
- 3) Press the navigation keys to choose and set the redial interval. It is measured by seconds.
- 4) Press the navigation keys to choose and set the redial times.
- 5) Press Save hot key to save the changes.

#### Note:

If you enable the auto redial function, then without operations for 5 seconds in the auto redial interface, it will turn to the idle interface automatically.

To set auto redial via the Web interface:

- 1) Choose Phone-> Features-> Auto Redial.
- 2) Choose Enabled or Disabled in the pull-down menu, then click Confirm button to save the change.

ink							Loc
	Status	Account	Network	Phone	Contacts	Upgrade	Security
Preference	Features	Softkey Layout	DSS Key EXT Ke	y Action URL	Voice Ring	Tones I	Dial Plan SMS
	Forward:	0					IOTE
	Always		Con	• off			prward
	Targe	t				Ť	his feature allows you o forward an incoming
	On Co	de				c	all to another phone
	Off Co	de					umber.
	Busy		Con	• off			arget he number to which
	Targe	t					ne incoming calls will b prwarded.
	On Co	de					n Code
	Off Co	de				T	he code that will be
	No Ansv	ver	C On C	• Off			ent to PBX when it is witched On.
	After I	Ring Time(seconds)	10	<b>~</b> 🤇			ff Code
	Targei	t					he code that will be ent to PBX when it is
	On Co	de				SI	witched Off.
	Off Co	de					all Waiting his call feature allows
	General Inf	ormation:				y	our phone to accept
	Call Waiti	na	Enabled	· · · · · · · · · · · · · · · · · · ·			ther incoming calls uring the conversatior
	Call Waiti	- ng Tone	Enabled				ey As Send
		-					elect * or # as the end key.
	Auto red		Enabled				e Number
	Auto red	ial interval(1~300s)	5		Enable/Disable		rou pick up the hone, it will dial out th
	Auto red	ial times(1~300)	100			h	otline number
	Key As S	end	#	× (2			utomatically.
	Reserve	# in User Name	Enabled	✓ ②		Т	pload Logo he picture must be
	Button S		Enabled			fo	ormat of dob, it can b lack and white, or 2 gr

### **Auto Answer**

Auto-answer allows an incoming call to be answered without requiring any action by the user. This is a useful feature for people who have difficulty in using their hands or fingers, who have a visual impairment, or who have a cognitive impairment. You can set this function to a special account.

To set Auto Answer via the IP phone interface:

- 1) Press Menu->Settings->Advanced Settings, enter the password and press enter hot key.
- 2) Then choose Accounts->Line X to enter the configuration page, use the navigation keys to choose Auto Answer option.

### **Customizing Your Phone**

Li	ne 1		)
9. Outbound Proxy	:		
10. STUN Status:	Disable	<b>4</b> F	
11. STUN Server:	217.10.79.21		
12. Auto Answer:	Disable	••	ļ
Back	Switch	Save	

- 3) Press the Switch hot key to enable or disable the auto answer function. The default is Disable.
- 4) Press the Save hot key to save the changes.

To set Auto Answer via Web interface:

- 1) Choose Account-> Basic-> Auto Answer.
- 2) Choose Enabled or Disabled in the pull-down menu, click Confirm button to save the change.

	Lauci	2103	V	
	Display Name	2105	0	User Name User account, provided by
	Register Name	2105	0	VoIP service provider.
	User Name	2105	0	NAT Traversal Defines the STUN server will
	Password	•••••	0	be active or not.
	SIP Server	192.168.1.199	Port 5060	Proxy Require
	Enable Outbound Proxy Server	Disabled 💌	0	A special parameter just for Nortel server. If you login to
	Outbound Proxy Server		Port 5060	Nortel server, the value should be:
	Transport	UDP 💌	0	com.nortelnetworks.firewall
	Backup Outbound Proxy Server		Port 5060 🕜	Codecs
	NAT Traversal	Disabled 💌	0	Choose the codecs you want to use.
	STUN Server		Port 3478 🕜	Advanced
	Voice Mail		0	The Advanced parameters for administrator.
	Proxy Require		0	aurimisciacor.
	Anonymous Call	Off 💌	0	
	On Code		0	
	Off Code		0	
	Anonymous Call Rejection	Off 💌	0	
	On Code		0	
	Off Code		0	
	Missed call log	Enabled 💌	0	
	Auto Answer	Disabled 💌	0	
	Ring Type	common 💌	Enable/Disable auto-answ	ar
Codecs >>	0			
Advanced >>				
Auvanceu >>				
	Confirm	Cancel		

## **Missed call log**

Defines whether to save the missed calls to the call history record. This function can only be set via the Web interface:

- 1) Choose Account-> Basic->Missed call log.
- 2) Choose Enabled or Disabled in the pull-down menu, click Confirm button to save

### **Customizing Your Phone**

#### the change.

	Label	2105	V	
	Display Name	2105	0	User Name User account, provided by
	Register Name	2105	0	VoIP service provider.
	User Name	2105	0	NAT Traversal
	Password	•••••	0	Defines the STUN server will be active or not.
	SIP Server	192.168.1.199	Port 5060 🕜	Proxy Require
	Enable Outbound Proxy Server	Disabled 💙	0	A special parameter just for Nortel server. If you login to
	Outbound Proxy Server		Port 5060 🕜	Nortel server, the value should
	Transport	UDP 💌	0	be: com.nortelnetworks.firewall
	Backup Outbound Proxy Server		Port 5060 🕜	Codecs
	NAT Traversal	Disabled 💙	0	Choose the codecs you want to use.
	STUN Server		Port 3478 🕜	Advanced
	Voice Mail		0	The Advanced parameters for administrator.
	Proxy Require		0	aumministrator.
	Anonymous Call	Off 💙	0	
	On Code		0	
	Off Code		0	
	Anonymous Call Rejection	Off 💙	0	
	On Code		0	
	Off Code		0	
	Missed call log	Enabled 💙	0	
	Auto Answer	Disabled 🛩	Prable/Disable missed call red	cords
	Ring Type	common 💌	0	
	0			
Codecs >>	0			
Advanced >>	>			
, and the second s				
	Confirm	Cancel		
	Commit	Cancer		

## **Broadsoft Call Log**

This feature allows you to download call history from the server. Input the URL, port, username, password and rename the phonebook

Configure Call Log via web interface:

- 1) Choose Contacts->Call Log
- 2) Choose the Calllog Item.
- 3) Input the display name, URL, port, username and password.
- 4) Click the confirm button to save the changes.

Yealink							<u>Loqout</u>
Easy vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
	Local PhoneBook	BlackList	Remote PhoneBook	Phone Call Info	LDAP Broa	dsoft   Call Log	
	Callog Item DisplayName Server Port User Password	Call Log1 v miss call log http://sad 123 123 •••		Cancel		to down from the the	

Check Call Log via phone interface:

- 1) Press Menu->History Type->Network Call Log
- 2) Choose the Call log Item, press Enter softkey to download the call log.

### Logo Customization

You can upload your own logo which shown in the idle screen. Upload the logo via web interface:

- 1) Choose Phone-> Features-> Use Logo->Custom Logo via the Web interface, press Browse button, and choose the corresponding file.
- 2) Press Upload button to complete the Logo Customization. You will find the desired logo shown on the idle screen.

### **Customizing Your Phone**

	Intercom Barge	Enabled 💌	0			
	Call Completion	Disabled 💌	0			
	Enable Semi-Attend Transfer	Enabled 💌	0			
	Blind Transfer OnHook	Enabled 💌	0			
	Attend Trans OnHook	Enabled 💌	0			
	Transfer on Conference Hang up	Disabled 💌	0			
	Feature Key Synchronisation	Disabled 💌	0			
	Time Out for Dial-now Rule	1	0			
	ACD Auto Available	Disabled 💌	0			
	ACD Auto Available Timer(0~120s)	60	0			
	RFC 2543 Hold	Disabled 💌	0			
	Use Outbound Proxy In Dialog	Enabled 💌	0			
	IsDeal180	Enabled 💌	0			
	Logon Wizard	Disabled 💌	0			
	PswPrefix		0			
	PswLength		0			
	PswDial	Disabled 💌	0			
	PushXML Server IP		0			
	SaveCallHistory	Enabled 💌	0			
	Use Logo	System Logo 💌	0			
				Logo settings,you can se System logo,you can also Custom logo to upload yo logo	choose	
	Confirm	Cancel				

### Note:

- 1. You can also upload the Logo by AUTO PROVISION.
- 2. By the Web interface, users can set a logo to be a System Logo or a Custom Logo, and the Custom Logo can be deleted.
- 3. Only support DOB format file, For more information please contact the administrator.

### **Programmable Key**

The hot-key, navigation keys and function keys on the keypad are editable. Users can customize specific features for these keys according to their actual needs.

This function can only be set via the Web interface:

1) Choose Phone->DSS Key->Programmable Key.

### **Customizing Your Phone**

5	Status Accou	nt Network	Phone	Contacts	Upgrade	Secur
Preference	Features Softkey La	ayout DSS Key	EXT Key Action	URL Voice Ring	Tones Dial P	lan SM
Memory K	ey >> 🕜				NOTE	
Line Key >	> 🕜					
Programm	able Key >> 🕜					
riogramm						
Key	Туре	Line		Extension		
SoftKey1	History N/A	Local History	✓		]	
SoftKey2	Directory History	Auto	×		]	
SoftKey3	DND	Auto	¥		]	
SoftKey4	Menu SwitchAccount	Auto	×		]	
Up	SMS NewSMS	Local History	<b>~</b>		]	
Down	Forward Redial	Auto	×		]	
Left	Call Return Pick Up	Auto	×		]	
Right	XML Group XML PhoneBook	Auto	~		1	
ОК	Status Speed Dial	Auto	~		1	
Cancel	Local Group Local PhoneBook	Auto	×		]	
CONF	Broadsoft Group Broadsoft PhoneBook	Auto			j	
Hold	N/A	<ul> <li>Auto</li> </ul>	· · · · · · · · · · · · · · · · · · ·		]	
Mute	N/A	✓ Auto	· · · · · · · · · · · · · · · · · · ·		1	
TRAN	Forward	✓ Auto				
TIX-IN	- ormana	14400				

- 2) Choose and customize specific features for these keys.
- 3) Click Confirm button to save the changes.

## **Softkey Layout**

The phone can support 12 kinds of call interface to set up softkey, user can setup different function key according to his/her own requirement or habit.

To set up softkey via web interface:

- 1) Choose Phone->Softkey Layout.
- 2) In the "Custom Softkey" field, chose Enable in the pull-down menu.
- 3) You can choose the corresponding call states which you want to set up the softkey in the Call States field.
- 4) Highlight the desired one in the Unselect Softkeys/Select Softkeys list, and press the 
   ↓ ← to move to the other list.
- 5) And you can use  $\uparrow$  /  $\downarrow$  to choose the order how to display in the call states.
- 6) Click confirm to save the changes.
- 7) You can also click the Reset to Default button to reset the softkeys interface.

### **Customizing Your Phone**

Status       Account       Network       Phone       Contacts       Upgrade       Security         Preference       Features       Softkey Layout       DSS Key       EXT Key       Action URL       Voice       Ring       Tones       Dial Plan       SMS         Custom SoftKey       Disabled       Image: Contacts       Operation       Image: Contacts       Dial Plan       SMS         Call States       Dialing       Image: Contacts       Ima	alink _							Ŀ
Custom SoftKey       Disabled       Image: Construction of the second se	y vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
Pool   Cline Selection  Pool  Only Cancel is available i	Preference	Features CL CL Ca Ur E H D CL L	Softkey Layout ustom SoftKey all States inselected Softkeys impty History Directory Call Switch ine Selection	Disabled Dialing Selected S (ordered b Send IME Delete Cancel	Key Action URL		Tones Dia NOTE Send It will b when t than tu Line It will b when t than tu than tu	I Plan SMS

#### Note:

1. We can add the Empty key more than once, but others can only choose once time, and can't be repeat. when you set up the Selected Softkeys key more than 4 options, the LCD of phone will transfer the forth key with "More" automatically, which can be use to switch to the next page, and continue to show up the other key.

### Live Dialpad

Defines whether to dial out the dialed number automatically.

This function can only be set via the Web interface:

- 1) Choose Phone->Preference->Live Dialpad.
- 2) Enable or disable it in the pull-down menu.
- 3) Click Confirm button to save the change.

### **Customizing Your Phone**

link							<u>Lc</u>
	Status	Account	Network	Phone	Contacts	Upgrade	Security
Preference	Features	Softkey Layout	DSS Key EXT Key	y Action URL	Voice Ring	Tones Dia	I Plan SMS
	WEB Langua DHCP Time Time Zone Primary NTP Secondary N	sge Server ITP Server Ivval(seconds) ing Time	English Disabled +8 China(Bej cn.pool.ntp.o cn.pool.ntp.o 1000 Automatic C By Date Month	ing)	ur	<ul> <li>NOTE</li> <li>Time 2</li> <li>Choose you an</li> <li>NTP 5</li> <li>The se to synthematic synthem</li></ul>	Zone a the time zone e in. erver which is used chronize the clock phone. e Interval the interval at the unit will the time. ht Saving Time arameter used to the daylight savin: al Time
	-	: : ime(1~14)(seconds) Time(<800ms)	Disabled 24 Hour WWW MMM Disabled 4 1 2	0 0 [	Enable/Disable "dial automatically" on us interface	time m Ring 1 The u must b whose should bit U-la out	or disable to set ianually. Fone oload ringtones ie format of wav sampling rate be 8K, mono, 16 ww compression
	Backlight Tir LCD Contras Keyboard Lo	t	30 6 Disabled	· · · · · · · · · · · · · · · · · · ·			

### **Replace Rule**

A dial plan establishes the expected number and pattern of digits for a telephone number. This includes country codes, access codes, area codes and all combinations of digits dialed. For example if you set the *Prefix* as 0 and *Replace* as 0086 (Chinese country code), when you dial 05702000 out, the number will be replaced by 00865702000 automatically.

To set a Replace Rule via the Web interface:

- 1) Choose Phone->Dial Plan->Replace Rule.
- 2) Enter the desired *Prefix*, *Replace* and *Account*.
- 3) Press Add button to save the changes.
- 4) You can also delete a specific one from the dial plan list.
- 5) You can select a record to modify, then click Edit button to submit.

Yealink		_				<u>Loqout</u>
Easy vop	Account	Network	Phone	Contacts	Upgrade	Security
Preference Feature	s Softkey Layout	DSS Key EXT Key	Action URL	Voice Ring	Tones Dial I	Plan SMS
Replace Rule >>         Index         1         2         3         4         5         6         7         8         9         10         Prefix         Dial-now>>         Area Code>>	Prefix 1 2 Replace Add	Replace 0123 0599 Edit Del	Account		(do not defined [digit- Identifie that is in range. [digit-c Specifie comma X Matcher digit/ch dialed.	es a specific digit use # if it is as send key).
Block Out>> 🕜						

### **Dial Now**

Dial-now enables you to define the specific length of any number/letter in advance(for example xxx), next time when users dial out the 123 whose length matches the Dial-now rule, the phone will dial out 123 in one second without pressing Send button.

To set a Dial Plan via the Web interface:

1) Choose Phone->Dial Plan->Dial now.

Status Account Network Phone Contacts Upgrade	Security
Preference   Features   Softkey Layout   DSS Key   EXT Key   Action URL   Voice   Ring   Tones   Dia	I Plan SMS
Index     Dial-now Rule     Account     Ident (do n       1     0147     1     definition       2     Ident     Ident       3     Ident     Ident       4     Ident     Ident       5     Ident     Ident       6     Ident     Ident       9     Ident     X       9     Ident     Ident       10     Ident     Ident	0-9 * fies a specific digit ot use # if it is id as send key). <b>:-digit]</b> fies any digit dialed included in the :- <b>:-digit,digit]</b> fies a range as a ta separated list. we any single character which is

2) Enter the number in Dial-now Rule and Account.

- 3) Press Add button to save the changes.
- 4) You can select a record to modify, then click Edit button to save.
- 5) You can also delete a specific one from the dial plan list by pressing Del button.

#### Note:

1. If need to replace the unknown contents, then you can use (.) or (x), "." stand for a string of char, "x" stand for any one char. The content in () stand for a variable, the first variable is expressed by \$ 1, the second variable is expressed by \$ 2, the rest can be done in the same manner. For example: if you want to replace the any input content with the content beginning with 8. Input (.) in Prefix box, and input 8\$1 in Replace box.

### Area Code

Area codes are also known as Numbering Plan Areas (NPAs). These are necessary (for the most part) only when dialed from outside the code area and from mobile phones. Area codes usually indicate geographical areas within one country, although the correlation to geographical area is becoming obsolete. For non-geographical numbers, as well as mobile telephones outside of the United States and Canada, the "area code" does not correlate to a particular geographic area.

To add the area code via the Web interface:

- 1) Choose Phone->Dial Plan->Area Code.
- 2) Enter the Code and Account, set the Min Length and the Max Length option, and then click the Confirm button to save.

Status       Account       Hetwork       Phone       Contacts       Upgrade       Security         Preference       Features       Softkey Layout       DSS Key       EXT Key       Action URL       Voice       Ring       Tones       Dial Plan       SMS         Replace Rule >>       ?        Dial-now>>       ?        Dial-now>>       ?        Digit 0-9 *        Identifies a specific digit. (do not use # if it is defined as send key).        (digit-figit)       Identifies any digit dialed that is included in the more property incline property include	Yealin	k						<u>Loqout</u>
Replace Rule >>       Image: Code with the second code withe second code w	Easy vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
Dial-now>>     Digit 0-9*       Area Code>>     Digit 0-9*       Code     0599       Min Length(1-15)     1       Max Length(1-15)     15	Pret	ference Features	Softkey Layout	DSS Key   EXT Ke	y Action URL	Voice Ring	Tones Dial	Plan SMS
Account     [digit-digit,digit]       Confirm     Cancel       Block Out>> ?     X       Matches any single digit/character which is digited.     X       Matches an arbitrary number of digits.     Matches an arbitrary number of digits.	Di Ar	al-now>> ? rea Code>> Code Min Len Max Lei Accoun	gth(1-15) ngth(1-15) t	1			Digit 0 Identifi (do not) defined Identifi that is range. [digit- Specifie comma <b>x</b> Matche digit/ch dialed.	es a specific digit t use # if it is as send key). digit] es any digit dialed included in the digit,digit] as a range as a separated list. as any single haracter which is is an arbitrary

## **Block Out**

The specific phone numbers can be forbidden to be call out from your IP phone.

- 1) Choose Phone->Dial Plan->Block Out.
- 2) Enter Block Out Number and Account, click Add button to save the changes, or choose the specific one in the list, click Delete button to delete the record.
- 3) You can select a record to modify, then click Edit button to submit.
- 4) You cannot dial out the number from your IP phone unless it is removed from the forbidden list.

Yealink	<						<u>Loqout</u>
Easy VOP	Status	Account	Network	Phone	Contacts	Upgrade	Security
Pref	ference Features	Softkey Layout	DSS Key   EXT Ke	y Action URL	Voice Ring	Tones Dial	Plan SMS
Re Dia Ar	eplace Rule >> ? al-now>> ? ea Code>> ock Out>> ? Index 1 2 3 4 5 6 6 7 8 9 10 Block Out Numb	Block Out Numb 0599123456		Account		<ul> <li>NOTE</li> <li>Digit O</li> <li>Identifi</li> <li>(do not</li> <li>defined</li> <li>[digit-right]</li> <li>Identifi</li> <li>that is i</li> <li>range.</li> <li>[digit-right]</li> <li>Specifie</li> <li>comma</li> <li>X</li> <li>Matche</li> <li>digit/ch</li> <li>dialed.</li> </ul>	-9 * es a specific digit : use ≠ if it is as send key).

### Note:

The numbers set in Emergency cannot use the dial plan rule.

### Note:

1. In the Account field, you can enter 1,2,3..., "1" represents Account 1, "2" represents Account 2 ....., if the account box is empty, it mean this rule works for all accounts .

## **Feature Synchronisation**

When enabled the synchronize function, configure the DND/FWD function on device or server, DND/FWD status on device and server will be in correspondence.

To set Feature Key Synchronisation via the Web interface:

1) Choose Phone->Features-> Feature Key Synchronisation

- 2) There is a pull-down menu in the Type field, choose Intercom from the list.
- 3) Choose whether to enable this function from the pull-down menu.
- 4) Click the Confirm to save the change.

Intercom Barge	Enabled 💙	0
Call Completion	Disabled 💌	0
Enable Semi-Attend Transfer	Enabled 💌	0
Blind Transfer OnHook	Enabled 💌	0
Attend Trans OnHook	Enabled 💌	0
Transfer on Conference Hang up	Disabled 💌	0
Feature Key Synchronisation	Disabled 💌	0
Time Out for Dial-now Rule	1	Enable/Disable DND, FWD
ACD Auto Available	Disabled 💌	synchronization function
ACD Auto Available Timer(0~120s)	60	0
RFC 2543 Hold	Disabled 💌	0
Use Outbound Proxy In Dialog	Enabled 💌	0
IsDeal180	Enabled 💌	0
Logon Wizard	Disabled 💌	0
PswPrefix		0
PswLength		0
PswDial	Disabled 💌	0
PushXML Server IP		0
SaveCallHistory	Enabled 💙	0
Use Logo	System Logo 💌	0
Confirm	Cancel	
Commit	Califer	

## Push XML

Users configure the server's IP address on Web page, when phone receives request, it will determine whether to display corresponding content on the phone which sent by the specified server or not.

To set Push XML via Web interface:

- 1) Choose Phone->Features-> PushXML Server IP, enter the server IP in the field.
- 2) Click the confirm button to save the change.

### **Using the Basic Call Functions**

	anconcom porge			
	Call Completion	Disabled 💌		
	Enable Semi-Attend Transfer	Enabled 💌	0	
	Blind Transfer OnHook	Enabled 💌	0	
	Attend Trans OnHook	Enabled 💙	0	
	Transfer on Conference Hang up	Disabled 💌	0	
	Feature Key Synchronisation	Disabled 💌	0	
	Time Out for Dial-now Rule	1	0	
	ACD Auto Available	Disabled 💌	0	
	ACD Auto Available Timer(0~120s)	60	0	
	RFC 2543 Hold	Disabled 💌	0	
	Use Outbound Proxy In Dialog	Enabled 💌	0	
	IsDeal180	Enabled 💌	0	
	Logon Wizard	Disabled 💌	0	
	PswPrefix		0	
	PswLength		0	
	PswDial	Disabled 💌	0	
	PushXML Server IP		] 🛛	
	SaveCallHistory	Enabled 💌	PushXML server address	
	Use Logo	System Logo 💌	0	
	Confirm	Cancel		
		cancer		

## WatchDog

When 'WatchDog' function is 'Enabled', phone will auto reboot after 10 seconds if some important process of phone crash. When 'Disable' the function, the phone will not reboot.

Configure watchdog via web interface:

Choose phone-> Preference->WatchDog, in the pull-down menu, choose enable or disable this function.

### **Using the Basic Call Functions**

	Primary NTP Server Secondary NTP Server Update Interval(seconds) Daylight Saving Time Fixed Type Start Time End Time Offset(minutes) Manual Time Time Format Date Format Live Dialpad Inter Digit Time(1~14)(seconds) Flash Hook Time(<800ms) Backlight Brightness Backlight Time(seconds) LCD Contrast Keyboard Lock WatchDog Ring Type Upload Ringtone	cn.pool.ntp.org         intopol.ntp.org         1000         Automatic         Image: Second Secon	Hour Hour Hour ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	<ul> <li>NTP Server</li> <li>The server which is used to synchronize the clock of the phone.</li> <li>Update Interval</li> <li>Specify the interval at which the unit will refresh the time.</li> <li>Daylight Saving Time</li> <li>The parameter used to active the daylight saving time.</li> <li>Manual Time</li> <li>Enable or disable to set time manually.</li> <li>Ring Tone</li> <li>The upload ringtones must be format of wav whose sampling rate should be BK, mono, 16-bit U-law compression</li> </ul>

## **Action URL/URI**

Action URL: Record the operation of phone, send these corresponding information to server; action URI: Remote control phone for corresponding operation.

#### Action URL:

The operation can be recorded include: Setup Completed, Log On, Log Off, Register Failed, Off hook, On hook...etc.

Set Action URL via web interface:

- 1) Choose Phone->Action URL
- 2) Enter the Corresponding contents.
- 3) Click Confirm to save the changes.

### **Using the Basic Call Functions**

Yealink						<u>Logout</u>
Status	Account	Network	Phone	Contacts	Upgrade	Security
Preference Features	Softkey Layout	DSS Key 📔 EXT Ke	y Action URL	Voice Ring	Tones Dial	Plan SMS
Setup Completed				0	D NOTE	
Log On				0	ActionL	KLNOTE
Log Off				0		
Register Failed				0		
Off hook				0		
On hook				0		
Incoming call				0		
Outgoing call				0		
Call established				0		
Call terminated				0		
Open DND				0		
Close DND				0		
Open Always Forwar	d			0		
Close Always Forward	d			0		
Open Busy Forward				0		
Close Busy Forward				0		
Open No Answer Fo	rward			0		
Close No Answer For	ward			0		
Transfer call				0		
Blind transfer call				0		

### **Action URI:**

Enter the "http://<u>Phone ip</u>/cgi-bin/ConfigManApp.com?<u>key=xxx</u>" in Browser address bar, the phone will realizing the corresponding function. If you not login the web with the user name and password, you will need to specify the user/password to confirm the operation. The username/password can be added into the URI like: http://<u>admin:admin@10.2.3.25</u>/cgi-bin/ConfigManApp.com?<u>key=OK</u>

Our phone can support the following functions function: Key=xxx stand for the following rules:

> To answer the call: key=OK/key=ENTER To turn on speaker mode: key=SPEAKER Press transfer button: key=F\_TRANSFER Increasing the volume: key=VOLUME\_UP Reduce the volume: key=VOLUME\_DOWN To mute the call: key=MUTE To hold the call: key=F\_HOLD To end the call: key=F\_HOLD To enter the DTMF number(include Numeric , \* or # keys): key=0-9/\*/POUND Press a line key: key=L1-L6 Press a DSS key: key=D1-D10 Press Conference button: key=F\_CONFERENCE Press a soft key: key=F1-F4

Press Message button: key=MSG Press Headset button: key=HEADSET Press RD button: key=RD Press navigation key: key=UP/ DOWN/ LEFT/ RIGHT To reboot the phone: key=Reboot To check the Auto provision: key=AutoP To enable DND: key=DNDOn To disable DND: key=DNDOff

Dial out:

http://<u>phone IP</u>/cgi-bin/ConfigManApp.com?number=<u>NUMBER</u>&outgoing\_uri=<u>URI</u> Phone ip stand for the phone's IP address. NUMBER stand for the number which you want to send. URI stand for the account.

For example:

http://<u>10.2.3.25</u>/cgi-bin/ConfigManApp.com?number=<u>0599123456</u>&outgoing\_uri=<u>21</u> <u>6@192.168.1.199</u>

NOTE:

If there is no account, or the account abnormal, the phone will dial out with the default account.

# **Using the Basic Call Functions**

## Making a call

## **Call Devices**

You can make a phone call via the following devices:

- 1) Pick up the handset, icon 💊 will be shown in the idle screen.
- 2) Press the Speaker button, icon 🖤 will be shown in the idle screen.
- Press the Headset button if the headset is connected to the Headset port in advance.
   The icon 

   will be shown in the idle screen.

You can also dial the number first, and then choose the method you will use to speak to the other party.

## **Call Methods**

You can dial the number directly by filling the SIP Server in the registered interface. But the number which you dialed must be the same with SIP server.

If you have registered more than one account, you can choose a certain account to make your call:

- 1) Press the Right navigation key to choose a default account when your phone is in idle status.
- 2) In the dial-up interface, press the Line hot key to choose an account. Then press the Select hot key to confirm.
- 3) Press the six line keys on the keypad to active the chosen account.

Then

- 1) Dial the number you want to call, or
- 2) In dial-up interface, press Pool hot key, use the navigation button to highlight your choice, enter into the corresponding option or
- 3) Press the RD button to enter the Dialed Calls interface, then use the Up/Down navigation keys to choose a record.
- 4) Press the DSS keys which have been set as speed dial button.

Then press the Send button or Send hot key to make the call out if necessary. And you can also dial-up via web interface:

1) Choose Contact->Local Phone Book/BlackList, click the number which you want to

dial out, and then the phone will dial out by default account.

Yec	link				_			<u>Loqout</u>
1635	y vop	Status	Account	Network	Phone	Contacts	Upgrad	le Security
		Local Ph	oneBook Blackt	ist Remote PhoneBo	ok 📔 Phone Call Info	D LDAP E	Broadsoft	Call Log
	Contacts	All Contacts	✓ Ø			Hi	angup	
	Index	Name	Office Num	Mobile Num Other	Num Account	Groups		NOTE
	1	qq	<u>123</u>		Auto			Add Contact/Blacklist
	2	WW	<u>0599</u>		Auto			Fill out the contact information. User
	3							shouldn't leave contact
	4							name blank.
	5							
	6							Delete Contact/Blacklist
	8							Select the contact you
	9						F	want to delete in the grid, and then press the
	10						F	button Delete to
	Page: 1	V Pre	v Next	Move To BlackLis	t	Delete All	Del	confirm.
							_	Move to
	Cont	acte		Group I	nformation			Contact/Blacklist
	Cont	acts		Group I				Choose the contacts you want to move in the
	Name			Groups				grid, and press the
	Office	Num		Ring	Auto	~		button move to Contact/Blaklist to move
	Mobile	e Num						it.
	Other	Num		Add	Edit Del E	Delete All		
	Accou	int	Auto 🗸					Import Browse the file in XMI
	Ring		Auto 🗸	Please	elect the contacts I	ist file		format.
	Group	ic.	N/A 🗸			浏覧		
	0.000			Impor	t XML Export XM	L		Export
		Add	Edit Search					Click Export button and create a file with whose
						浏覧 <del></del>		name you prefer to
								export.
				Impor	t CSV Export CSV	V		
				Shov	u titla			
				Show	v uue			

- 2) Or choose Contact->Phone Call Info, enter the number in the Dial a Number, select the line from the Outgoing Identity list. Then click the dial button to call out.
- 3) Or choose Contact->Phone Call Info, click the number which you want to dial out from the call list, the phone will dial out by corresponding account.

Yeali			-							<u>Logou</u>
		Status	Υ	Account	Networ	k Phone	Contacts	Upgrad	le Securi	ity
		Local Ph	noneBook	BlackList	Remote Pho	neBook   Phone	Call Info   LDAP   Br	oadsoft	Call Log	
	Call Pan	el								
		Dia	al a Numbe	r		Dial	Hangup			
		Outaoi	ina Identit	2105@10	2.168.1.199	~				
		Outgoi	ing toerroo	y 2105@15	2.100.1.199					
	Call List									
	Dialed L	ist								
	Index	Date	Time	Local Identi	ity	Name	Number			
	1	Mon Dec 13	11:09	2105@192.168	3.1.199		2512@192.168.1.199			
	2	Mon Dec 13	08:58	2105@192.168	3.1.199		3205@192.168.1.199			
	3	Sat Dec 11	11:51	2105@192.168	3.1.199		2522@192.168.1.199	2		
	4	Sat Dec 11	11:50	2105@192.168	3.1.199		2522@192.168.1.199	2		
	5	Sat Dec 11	11:49	2105@192.168	3.1.199		<u>13159257316@192.16</u> 1.199	<u>8.</u>		
	6	Sat Dec 11	11:49	2105@192.168	8.1.199		6203@192.168.1.199	× ×		
	Missed			2100@1020100			0200 0102/100/11/00			
	Index	Date	Time	Local Identi	ity	Name	Number			
	1	Sat Dec 11	12:20	2105@192.168	3.1.199	黄建辉	6203@192.168.1.199			
	2	Sat Dec 11	10:31	2105@192.168	3.1.199	Joyce 王丽云	8103@192.168.1.199	_		
	3	Fri Dec 10	18:13	2105@192.168	3.1.199 I	Receptionist 前台	8888@192.168.1.199	,		
	4	Fri Dec 10	18:12	2105@192.168	3.1.199	Lily 郝丽丽	3207@192.168.1.199	,		
	5	Thur Dec 9	18:32	2105@192.168	8.1.199	黄建辉	6203@192.168.1.199	2		
								~		
	Receive	d List								
	Index	Date	Time	Local Identi	ity	Name	Number			
	1	Mon Dec 13	09:20	2105@192.168		Vin 涂明	8500@192.168.1.199			
	2	Mon Dec 13	09:19	2105@192.168		Vin 涂明	8500@192.168.1.199			
	3	Sat Dec 11	11:51	2105@192.168		李秋勇	2522@192.168.1.199			
	4	Sat Dec 11	11:35	2105@192.168		李秋勇	2522@192.168.1.199			
	5	Fri Dec 10	17:09	2105@192.168		黄彬	2802@192.168.1.199	-		
	6	Fri Dec 10	09:45	2105@192.168		2020	2020@192.168.1.199	-		
	-									

4) You can click the Hangup button to end the call in the web page.

## **Password dial**

When number entered is beginning with the password prefix, the following N numbers after the password prefix will be hidden as \*, N stand for the value which you enter in the PswLength field. For example: you set the password prefix is 3, enter the PswLength is 2, then you enter the number 34567, it will display 3\*\*67 on the phone. Set password dial via web interface:

- 1) Choose Phone->Features->PswDial, in the pull-down menu, choose enable.
- 2) Enter the password prefix in the PswPrefix field
- 3) Enter the Length in the PswLength field.
- 4) Click Confirm button to save the changes.

### **Using the Basic Call Functions**

	Allow Intercom	Enableu	¥	V
	Intercom Mute	Disabled	~	0
	Intercom Tone	Enabled	*	0
	Intercom Barge	Enabled	*	0
	Call Completion	Disabled	~	0
	Enable Semi-Attend Transfer	Enabled	*	0
	Blind Transfer OnHook	Enabled	~	0
	Attend Trans OnHook	Enabled	~	0
	Transfer on Conference Hang up	Disabled	~	0
	Feature Key Synchronisation	Disabled	~	0
	Time Out for Dial-now Rule	1		0
	ACD Auto Available	Disabled	~	0
	ACD Auto Available Timer(0~120s)	60		0
	RFC 2543 Hold	Disabled	*	0
	Use Outbound Proxy In Dialog	Enabled	*	0
	IsDeal180	Enabled	~	0
	Logon Wizard	Disabled	*	0
	PswPrefix			0
	PswLength			0
	PswDial	Disabled	*	0
	PushXML Server IP			Enable/Disable Password-dial
	SaveCallHistory	Enabled	~	0
	Use Logo	System Logo	~	0

## **Call Completion**

Have encountered such a situation? When you call a contact, but the other side is busy on a call. Do you want the server to inform you immediately when the contact ends the call, in order to establish a conversation with each other in time? Call Completion can help you to solve this problem.

To configure Call Completion via phone interface:

1) Press the following hot keys: Menu->Features->Call Completion to enter the configuration page.

Call	Completion
1. Call Completion	on: Disable 🔹 🔸
Back	Switch Save

- 2) By the Switch soft key, choose whether to enable this option.
- 3) Press the Save soft key to save your changes.

## Answering a call

### Answering an incoming call

- 1) If you are not on an active call, lift the handset to answer it using the handset, or press the Speaker button to answer it using the speakerphone, or press the headset button to answer it using the headset.
- 2) If you are on an active call, the LCD will prompt to display: *Incoming Call: xxx*. Press Answer hot key to answer the call, or Reject hot key to refuse it.

During the conversation, you can alternate between Headset, Handset and Speaker mode by pressing the corresponding buttons or picking up the handset.

## **Denying an incoming call**

Press Reject hot key or X button to deny the incoming call directly.

## DND

Press DND hot key to active DND Mode. Further incoming calls will be rejected and the display shows: End icon. Press DND hot key again to deactivate DND mode. You can find the incoming call record in the Call History.

You can also set DND function by the DND Code:

1) Go to Menu->Features->DND Code to enter the configuration interface.

DND Code	
1. DND On Code:2. DND Off Code:	
	٤
Back 123 Del Save	٦

- 2) Set the DND On Code and the DND Off Code, then press the Save hot key to save the changes.
- 3) When you press the DND hot key, the phone will send a message to the server, and the server will turn on the DND function. Then any calls to the extension will be rejected by the server automatically. And the incoming call record will not be displayed in the Call History.

## Call Forward

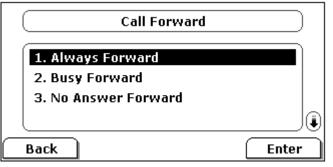
This feature allows you to forward an incoming call to another phone number e.g. a cell phone or voice mailbox.

The following call forwarding events can be configured:

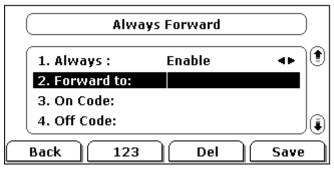
- *Always:* Incoming calls are immediately forwarded.
- *Busy:* Incoming calls are immediately forwarded when the phone is busy.
- *No Answer:* Incoming calls are forwarded when the phone is not answered after a specific period.

To configure Forward option via phone interface:

- Press the following hot keys: Menu->Features ->Call Forward->Enter. You can also press the Tran button to enter the forward setting page directly when the phone is in the idle status.
- 2) There are 3 options: Always Forward, Busy Forward and No Answer Forward.



- 3) If you choose one of them, enter the phone number you want to forward.
- 4) If you want to realize this function by server, please enter the On Code and Off Code option, then when you choose to enable the call forward function via your IP phone, it will send message to the server, and the server will turn on the function immediately. When there is call to the extension, the server will forward it to the set number automatically based on the forward type. And the IP phone will not show the record in the call history anymore.



5) Press Save hot key to save the changes.

To configure Call Forward via Web interface:

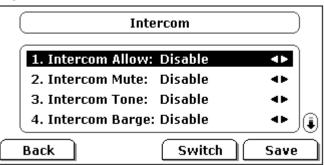
Choose Phone->Features->Forward to do the relating changes. Please refer the above configuration information.

### Intercom

Intercom mode is useful in an office environment as a quick access to connect to the operator or the secretary.

To configure Intercom option via phone interface:

1) Press the following hot keys: Menu->Features->Intercom->OK to enter the configuration page.



- 2) Intercom Allow: To set whether to answer the incoming intercom calls.
- 3) Intercom Mute: To set whether to mute the incoming intercom calls automatically.
- 4) Intercom Tone: To set whether to play ring tones when there is incoming intercom calls to your extension.
- 5) Intercom Barge: To set whether to answer the incoming intercom calls during a conversation. If the option is enabled, when there is incoming intercom calls to your extension, if you are on an intercom conversation, it will refuse the call automatically; or it will put the current call on hold and put the incoming intercom call through.
- 6) Choose and set the different options by navigation keys and the Switch soft key.
- 7) Press the Save soft key to save your changes.

## **During an Active Call**

## Mute

This function allows you to mute the microphone of the active audio device during a call; you cannot be heard by the other party. You can still hear all other parties while mute is enabled. When you press the MUTE button all of the conversation will be muted.

To mute/resume a conversation:

Press MUTE button during a conversation, the icon  $\mathbf{N}$  will be shown in the LCD. Press it again to get the microphone return to normal conversation.

## Call Hold

This call function allows you to place an active call on hold. In this case your IP PBX might play a melody or message to the other party while waiting. Other calls can be received and made while having a call on hold.

To hold/retrieve a call:

- 1) Press the HOLD button or Hold hot key to put your active call on hold.
- 2) During the call, there will be a "dodo.." sound for each 30 second, suggesting that there is a current call in Hold state.
- 3) If there is only one call on hold, press the Resume hot key or Hold button to retrieve the call.
- 4) If there are more than one call on hold, press the line button and the Up/Down button to highlight the call, then press the Resume hot key or HOLD button to retrieve the call.

#### Note:

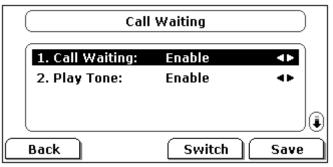
When you are under the call hold status, putting down the handset, the conversation will go on over the speaker instead of hanging up the call.

## **Call Waiting**

This call feature allows your phone to accept other incoming calls to the extension no matter under which circumstances.

To enable/disable Call Waiting via Phone interface:

- 1) Press Menu->Features->Call Waiting->Enter hot keys.
- 2) Use the navigation keys or Switch hot key to enable/disable the call waiting option.



- 3) Use the navigation keys or Switch hot key to enable/disable the Play Tone option. This option used to define whether to play ring tones when there is call incoming during an active call.
- 4) Press Save hot key to save the changes, or Back to return to the previous menu.

To enable/disable Call Waiting via Web interface:

Choose Phone->Features->Call Waiting option to do the relating changes.

### **Using the Basic Call Functions**

link						Loc
	Status	Account	Network	Phone	Contacts	Upgrade Security
Preference	e Features	Softkey Layout	DSS Key EXT K	ey Action URL	Voice Ring	Tones Dial Plan SMS
	Forward:	0				NOTE
	Always		On	Off		Forward
	Targe	t			2	This feature allows you to forward an incoming
	On Co	de			2	call to another phone number.
	Off Co	de			2	
	Busy		On	Off		Target The number to which
	Targe	t			2	the incoming calls will b forwarded.
	On Co	de		(	2	On Code
	Off Co	de		(	2	The code that will be sent to PBX when it is
	No Ansv	ver	On	Off		switched On.
	After	Ring Time(seconds)	10	<u> </u>		Off Code The code that will be
	Targe	t		(	2	sent to PBX when it is
	On Co			(	2	switched Off.
	Off Co	de		(	2	Call Waiting This call feature allows
	General Inf	ormation:				your phone to accept other incoming calls
	Call Waiti	ng	Enable	d 🔽 🔮		during the conversation
	Call Waiti	ng Tone	Enable	d 🔽 🥑	Busy waiting for incoming call swi	
	Auto red	ial	Enable	i 🔽 🧑		sena key.
	Auto red	ial interval(1~300s)	5			Hotline Number
			100			When you pick up the phone, it will dial out th
		ial times(1~300)				hotline number automatically.
	Key As S	end	#	<u> </u>		Upload Logo
	Reserve	# in User Name	Enable	H 💌 🕻		The picture must be format of dob, it can be

## **Call Transfer**

You can customize your phone so that incoming calls are transferred directly to the third party such as another extension, mobile phone number, etc. There are three ways to transfer the call: Blind Transfer, Attended Transfer and Semi-Attended Transfer.

To Blind Transfer via phone interface:

- A and B is on an conversation, A press TRAN Button or Transfer hot key to put B on hold, then A can dial the third telephone number C (or press Directory soft key to enter the contact list, then choose a record) and press the Transfer hot key to call out. A will turn to hold status, and the LCD will display as Transferred.
- 2) After C answered it, or A press the Cancel hot key to complete the transfer.
- 3) A will be disconnected from the call. B can talk to C.
- 4) If C refused to answer the call, it will prompt A that the transfer operation is failed. If the current mode is speaker, it will ring up; if the current mode is handset or headset, it will play ring tones for every five seconds. Pressing any function keys to exit the prompt interface. This function should be supported by server.

To Attended Transfer via phone interface:

1) A and B is on an conversation, A press TRAN Button or Transfer hot key to put B on hold, then A can dial the third telephone number C (or press Directory soft key to enter the contact list, then choose a record) and press the OK or SEND button to call

out.

- 2) After C answered it, A and C can have a private conversation without B hearing, then A press the TRAN button to complete the transfer.
- 3) A will be disconnected from the call. B can talk to C.

To Semi-Attended Transfer via phone interface:

- A and B is on an conversation, A press the TRAN button or Transfer hot key to put B on hold, then A can dial a new number C (or press Directory soft key to enter the contact list, then choose a record) and press the OK or SEND button to call out.
- 2) While C is ringing, A hang up or press the Transfer hot key. Then A will turn to hold status, and the LCD will display as Transferred.
- 3) You will be disconnected from the call, when C pick up, B can talk to C.

#### Note:

Make sure that the SIP server you have registered supports this function.

## **3-way Conference**

You can establish a three-party conference, during the conversation three phone parties can communicate with each other.

To establish a conference:

- 1) Press the Conf hot key during an active call.
- 2) The first call is placed on hold. You will hear a dial tone. Dial the number to conference in (or press Directory soft key to enter the contact list, then choose a contact to conference in), then press the Send hot key.
- 3) When the call is answered, you can have a private conversation at first. And then press the CONF button, the conference call will include you and the other two parties.
- 4) During the conference, press the Split hot key to split the conference into two hold lines, and press the Resume hot key to resume the chosen call respectively.
- 5) When you press the hold key, the conference will be on hold.
- 6) Hang up to disconnect all parties.

## **Network Conference**

If you want to make a conference with more than three people, you can open the function of network conference.

If you enabled this function, you can put the meeting conference on the server.

To enable network conference via web interface:

- Choose Account->Account X->Advance->Conference Type, there is a pull-down menu, choose network from the list.
- 2) Enter the Conference URI.
- 3) Press Confirm button to save the changes.

To establish a conference:

- 1) Press the Conf hot key during an active call.
- 2) Dial the number to conference in, then press the Send hot key
- 3) When the call is answered, press the CONF button.
- 4) After starting a three way conference, press Conf button to enter Conference dialing interface and invite another party to participate in teleconference.
- 5) After starting conference, press Hold key to Hold local call without influencing others in conference.

Enable Precondition	Disabled 🗸	0
Subscribe Register	Disabled 🗸	0
Subscribe for MWI	Disabled 🗸	0
MWI Subscription Period(Scope:0~84600) (seconds)	3600	
Caller ID Header	FROM 💌	0
Use Session Timer	Disabled 💌	0
Session Timer(seconds)		0
Refresher	Uac 💌	0
Use user=phone	Disabled 💌	0
Voice Encryption (SRTP)	🖸 On 💽 Off 🕜	
ptime(ms)	20 💌	0
BLF List URI		0
BLF List Code	*97	0
Shared Line	Disabled 💌	0
Dialog-Info Call Pickup	Disabled 💌	0
BLA Number		0
BLA Subscription Period(Scope:60~7200)	300	0
SIP Send MAC	Disabled 💌	0
SIP Send Line	Disabled 💌	0
SIP Registration Retry Timer(Scope:0~1800) (seconds)	30	0
Enable Signal Encode	Disabled 💌	0
Signal Encode Key		0
Conference Type	Local 💌	0
Conference URI	Local ATS	0
ACD Subscription Period(120~3600)	Network	0
Confirm	Cancel	

## HuaWei ATS Conference

Turn on this function can make Multi-Party Conference come true; you can add or delete any attenders, also you can have a private chat with any member. This function needs the server's support.

To enable ATS conference via web interface:

- Choose Account->Account X->Advance->Conference Type, there is a pull-down menu, choose ATS from the list.
- 2) Enter the Conference URI.
- 3) Press Confirm button to save the changes.

To establish a conference:

- 1) Press the Conf hot key during an active call.
- 2) Dial the number to conference in, then press the Send hot key
- 3) When the call is answered, press the CONF button.
- 4) After the CONF is established, initiator can continually add CONF members, press Add hot key to enter into dial-up interface, enter the number, press send button to dial out, when the people answer the call, he have been attended to the CONF.
- 5) Initiator can use private chart function to have a private chart with any member, press PriChat, choose any members in phone member list, and then press PriChat hot key, both sides enter into private chart mode, if there only 3 CONF members, both sides begin to private chart and the third party enter a Hold mode. If the attender is more than 3, and then the other attenders keep on talking. If you want to end the private chat, press ExitPri hot key.
- 6) Initiator can use remove function to remove any CONF members, press remove hot key, choose any members in phone member list, and then press remove hot key again.
- 7) Initiator Hangs up, the CONF over.

## Message

The phone supports SMS (Short Messaging Service) and Voicemail, if you want to use them, please make sure that your VoIP telephony system supports this functionalities and your accounts' message has been enabled.

## Voicemail

Your voice mailbox messages, which are usually stored on a media server of your local or hosted VoIP telephony system, can be accessed from your phone.

New voice messages can be indicated both acoustically and visually as described below:

- The idle screen will indicate the new voice messages coming.
- The MESSAGE button will be lighted.

To configure the Voicemail code via Phone interface:

1) Press Menu->Messages->Voice Mail->Set Voice Mail.

Set Voice Mail							
1. Account1 No.	*97						
2. Account2 No.	*98						
3. Account3 No.							
4. Account4 No.	*97						
Back 123	Del	Save					

2) Use the navigation keys to highlight the line for which you want to set, enter the code which the phone uses to connect to your system. Press 123 hot key to choose

the proper input method.

3) Press Save hot key to save the change, or Back to return to the previous menu.

Note:

Please contact your system administrator for the connecting code. Different systems have different codes.

Want to see amount of Voice mail via phone interface, must enable the Subscribe for MWI via the web interface at first.

- 1) Choose Account->Advanced-> Subscribe for MWI.
- 2) Choose enable in the pull-down menu.

Caller ID Header FROM Hessage waiting,the device will server after registration   Use Session Timer Disabled Image: Server after registration   Session Timer(seconds) Image: Server after registration   Refresher Uac Image: Server after registration   Use user=phone Disabled Image: Server after registration   Voice Encryption (SRTP) Image: Server after registration   ptime(ms) 20 Image: Server after registration   BLF List URI Image: Server after registration   BLF List Code Image: Server after registration   Shared Line Disabled Image: Server after registration   Dialog-Info Call Pickup Disabled Image: Server after registration   BLA Number Image: Server after registration Image: Server after registration   BLA Subscription Period(Scope: 60~7200) 300 Image: Server after registration   SIP Send Line Disabled Image: Server after registration   SIP Send Line Disabled Image: Server after registration   SIP Send Line Disabled Image: Server after registration   SIP Registration Retry Timer(Scope: 0~7200) 30 Image: Server after registration   Signal Encode Disabled Image: Server after registration   Signal Encode Disabled Image: Server after registration   Signal Encode Server after registration   Signal Encode Server after registration   Signal Encode Image: Server after registration   Confe	Subscribe Register   Subscribe Register   Subscribe for MWI   MWI Subscription Period(Scope:0~84600)   (seconds)   Caller ID Header   IUse Session Timer   Session Timer(seconds)   Refresher   Use user=phone   Voice Encryption (SRTP)   ptime(ms)   BLF List Code   BLF List Code   Shared Line   Disabled   BLA Subscription Period(Scope:60~7200)   300   Signal Encode   Signal Encode   Signal Encode   Conference URI	100 1010010 1001011001011	0.000100				
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To view the voicemail via the Phone interface:

1) Press Menu->Messages->Voice Mail->View Voice Mail.

Vie	w Voice Mail	)		
1.Account1:	Unregistered			
2.Account2:	Unregistered			
3.34:	0 new 0 old Mail			
4.Account4: Unregistered				

- 2) You can view the amount of the voice mail that includes new or old voice mail.
- 3) Choose the account and press the Connect button, then you are able to listen to your new and old messages.

To retrieve the new voicemail via the Phone interface:

- 1) Press the Voicemail hot key directly.
- 2) You may be prompted to enter the password which is needed to connect to your VoIP telephony system. It depends on your system.
- 3) Your voice mailbox is called and you are able to listen to your new and old messages.

#### Note:

Before retrieving the new voicemail, please make sure that the connecting code has been set on the phone.

## SMS

You can retrieve the SMS in the same way as Voicemail.

To retrieve the SMS via Phone interface:

1) Press Menu->Messages->Text Message, press Enter hot key.

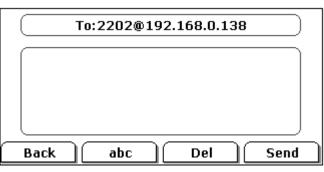
Text Messa	ge 📃
1. New Message	
2. Inbox	
3. Sentbox	
4. Outbox	]
Back	Enter

- 2) Use the navigation hot key to highlight the options. You can read the message in the Inbox/ Sentbox/ Outbox/ Draftbox.
- 3) Press View hot key to open and read the specific message.

	Inbox	
Eyebe	Wed 09 Apr 11:53	
Eyebe	Wed 09 Apr 10:55	
Eyebe	Tues 09 Apr 17:41	
Eyebe	Tues 09 Apr 17:41	١
Back	Reply Delete View	

To reply the SMS via Phone interface:

1) After retrieving the specific message, press Reply hot key, use the abc hot key to change the Input Method.



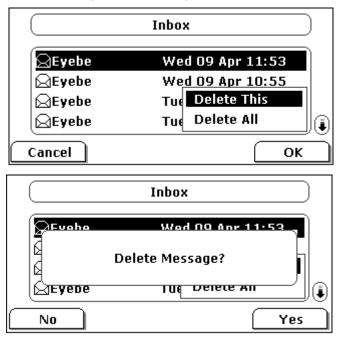
- (Optional) If multiple lines are configured on your phone, select from which line messages are to be retrieved from the list using the navigation keys and Messages appear first to last in sent order.
- 3) Press Send hot key, you are required to choose an account which is used to send out the message and the number you want to send to.
- 4) Press Send hot key to send out the message, or Back hot key to return to the previous menu.

To edit a new message via the Phone interface:

- 1) Press Menu->Messages->Text Message->New Message to enter.
- 2) Edit the new message, use the abc hot key to change the input method.
- (Optional) If multiple lines are configured on your phone, select from which line messages are to be retrieved from the list using the navigation keys and Messages appear first to last in sent order.
- 4) Press Send hot key to send out the message, or Back hot key to return to the previous menu.

To delete the message via the phone interface:

- 1) After retrieving the specific message, press Delete hot key.
- 2) You are prompted to confirm the delete operation, press Ok hot key to delete the message, or Cancel hot key to return to previous menu.



To edit the message via Web interface:

- 1) Choose Phone->SMS.
- 2) Enter the account information, Number, message content.
- 3) Press Send button to send out the message, or Cancel button to cancel the operation.

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#### Note:

You cannot perform the messaging via Web interface except edit Message.

# **Using the Advanced Phone Functions**

# **Account Settings**

Please refer to the previous part "Configuration and Registration" for the basic Account setting information. The following table lists the instruction of the field about the advanced Account Setting.

Field Name	Description
UDP Keep-alive Message	Defines whether to active the phone UDP Keep-alive mechanism. The default is Enabled.
UDP Keep-alive Interval(seconds)	This parameter specifies how often the phone will send a packet to the SIP server. Default is 30 seconds.
<i>Login</i> <i>Expire</i> (seconds)	This parameter specifies the time frequency that phone refreshes its registration. The default interval is 3600 seconds.
Local SIP Port	Local SIP port. The default value is 5060.
RPort	The parameter allows you configuring the proxy to send responses back to a particular address and port. The default is disabled.
SIP Session Timer	This document defines an extension to the Session Initiation Protocol (SIP). This extension allows for a periodic refresh of SIP sessions through a re-INVITE or UPDATE request. The refresh allows both user agents and proxies to determine if the SIP session is still active.
<i>Subscribe</i> <i>Period</i> (seconds)	This parameter could set the period of the subscription. The default value is 1800.
DTMF Type	Select the DTMF type.

You can only configure these settings via Web interface.

- 1) Choose Account.
- 2) Select the desired account.
- 3) Choose Advanced to do the relating settings.

#### **Using the Advanced Phone Functions**

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	Status	Account	Network	Phone	Contacts	Upgrade	Security
Account	t i		Account	1 💌			E
Basic >>	>					SIP's which	<b>ay Name</b> ervice subscriber's nar n will be used for Calle
Codecs	>> 🕜					displa	y. ster Name
						SIPs	ervice subscriber's ID for authentication.
Advanced >>							
	UDP Keep-aliv	e Message	Enable	d 💌	0	User	Name account, provided by
	UDP Keep-aliv	e Interval(seconds)	30			VoIP	service provider.
	Login Expire(s	econds)	3600		0		Traversal es the STUN server v
	Local SIP Port		5060		0		tive or not.
	RPort		Disable	d 🔽	0		y Require
	SIP Session T	imer(seconds) T1	0.5		0	Norte	cial parameter just fo I server. If you login
	SIP Session T	imer(seconds) T2	4			Norte be:	l server, the value sh
	SIP Session T	imer(seconds) T4	5			com.	nortelnetworks.firewa
	Subscribe Per	iod(seconds)	1800		0	Code	e <b>cs</b> se the codecs you w
	DTMF Type		RFC28	33 💌	0	to us	
	How to INFO	DTMF	Disable	d 💙			inced
	DTMF Payload	(Scope:96~255)	101				Advanced parameters histrator.
	100 reliable re	transmission	Disable	d 💌	0		
	Enable Precor	ndition	Disable	d 💙	0		
	Subscribe Reg	jister	Disable	d 💌	0		
	Subscribe for		Disable	d 💙	0		
	MWI Subscrip (seconds)	tion Period(Scope:0~8460	00) 3600				
	C		FROM		0		

You can consult your system administrator for more information.

# TLS

TLS(Transport Layer Security), an IETF standards track protocol (RFC 5246), was based on the earlier SSL specifications developed by Netscape Corporation.

If you make a call based on TLS and SRTP (Set the transport as TLS and the SRTP as On), the IP phone UI will display the connecting and ring back interface. If the reception also set the transport as TLS, then IP Phone UI will display the icon  $\widehat{\mathbf{n}}$  on both side.

Go to Account->Basic, choose Transport option, in the pull-down menu, you can choose the TLS option, and then click the Confirm button to save the change.

#### **Using the Advanced Phone Functions**

ink _						Logo
	Status Account	Network	Phone	Contacts	Upgrade	Security
Account		Account 1	~	-	D NOTE	
Basic >>					SIP ser	y Name vice subscriber's nar will be used for Calle
	Register Status Account Active	Registered	Off		SIP ser	er Name vice subscriber's ID or authentication.
	Label Display Name	2105	0		User N User ad	ame count, provided by
	Register Name User Name	2105	0		NAT T	ervice provider. r <b>aversal</b> s the STUN server v
	Password SIP Server	192.168.1.199	Port S	060 🕜		ve or not.
	Enable Outbound Proxy Serve		<ul> <li>Pole</li> <li>Pole</li> </ul>	•	A spec	Require ial parameter just fo server. If you login t
	Outbound Proxy Server		Port S	060 🕜	Nortel be:	server, the value sh
	Transport	UDP UDP				ortelnetworks.firewa
	Backup Outbound Proxy Serve	TCP TLS DNS-SRV	Port	060 🕜	Codec Choose to use	the codecs you wa
	STUN Server	DNS-SKV	Port	478 🕜	Advan	
	Voice Mail		0		The Ac	anced parameters
	Proxy Require		0		adminis	strator.
	Anonymous Call	Off				
	On Code		0			
	Off Code		0			
	Anonymous Call Rejection	Off	2			
	On Code		0			

# **DNS-SRV**

If the SIP server cannot be used, the phone will be connected on the server which is available.

To set DNS-SRV via web interface:

Go to Account->Basic, choose Transport option, in the pull-down menu, you can choose the DNS-SRV option, and then click the Confirm button to save the change.

#### **Using the Advanced Phone Functions**

link _		_				<u>Loqo</u>
y vop	Status Account	Network	Phone	Contacts	Upgrade	Security
Account		Account	1 🗸	_		
Account		necounte			NO1	
Basic >>					SIP	play Name service subscriber's nan ch will be used for Calle
	Register Status	Registered			disp	
	Account Active	On	C Off			jister Name service subscriber's ID
	Label	2105		I.	used	d for authentication.
	Display Name	2105	2	1		r Name r account, provided by
	Register Name	2105	2	1		P service provider.
	User Name	2105	0	i i i i i i i i i i i i i i i i i i i		Traversal
	Password	•••••		l i i i i i i i i i i i i i i i i i i i		nes the STUN server w active or not.
	SIP Server	192.168.1	.199 Por	t 5060 🕜	Pro	xy Require
	Enable Outbound Proxy Ser	rver Disabled	?			ecial parameter just fo tel server. If you login t
	Outbound Proxy Server		Por	t 5060 🕜		tel server, the value sh
	Transport	UDP	?			n.nortelnetworks.firewa
	Backup Outbound Proxy Se	erver	Por	t There are UDP, T	CP, TLS three	lecs
	NAT Traversal	Disabled	× 0	options. The regis protocol is UDP, T	CP or TLS, TLS	ose the codecs you wa se.
	STUN Server		Por	t (Transport Layer encrypted		ranced
	Voice Mail		2			Advanced parameters
	Proxy Require		•	l i i i i i i i i i i i i i i i i i i i		initiation.
	Anonymous Call	Off	2 0			
	On Code		•	l i i i i i i i i i i i i i i i i i i i		
	Off Code		•	l i i i i i i i i i i i i i i i i i i i		
	Anonymous Call Rejection	Off	2 0			
	On Code		9			

# **Network Setting**

# **PC Port Setting**

Please refer to the previous part "Configuration and Registration" for the basic Network WAN setting information. The following table lists the instructions of the field about the Network PC Port Setting.

Field Name	Description
As Bridge	If you select the Bridge mode, then the two Fast Ethernet ports will be transparent.
As Router	If you select the Router mode, the SIP phone will work as a router.
IP address	User could configure the PC port IP address.
DHCP Server	If you set the DHCP server on, the device connected to the PC port will get the IP address automatically between the start IP address and the end IP address. But if you select the bridge mode, the DHCP server can not work.
Start IP	Indicate the range of the IP address.
End IP	Indicate the range of the IP address.

To configure PC Port settings via Phone interface:

- 1) Press Menu->Settings->Advanced Settings.
- 2) Enter the password required, scroll to Network option, press Enter hot key, select PC port option, then press Enter hot key.

PC Port Option		)
1. Bridge		
2. Router	~	
Back	Enter	$\cdot$

- 3) If you choose Bridge, it will return to the previous menu.
- 4) If you choose Router, you will be prompted to enter the IP Address, Subnet Mask, DHCP Server Disable/Enable.

	Router							
	1. IP:	10.0.0.1						
	2. Subnet Mask:	255.255.255.0						
	3. DHCP Server:	Enable						
	L		D					
_	Back 123	Del Save	]					

5) Press Save hot key to save the changes, or Back hot key to return to the previous menu.

To configure PC Port settings via Web interface:

Choose Network-> PC Port to do the relating configuration, You can consult your system administrator for more information.

Yealink							<u>Loqout</u>
Easy Vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
		Int	ernet Port (WAN)	PC Port A	dvanced		
		s Bridge 2 s Router 2 IP Address Subnet Mask Enable DHCP Server Start IP Address End IP Address Confirm	10.0.0.10	×		is treat with Ini <b>Route</b> In Rout phone I router	e mode, PC Port ed as transparent ternet Port rer mode, the behaves as a when the PC Port AN port of the

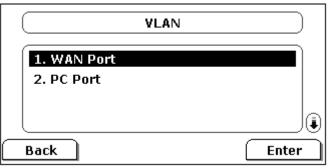
# **VLAN Setting**

VLAN is a group of hosts with a common set of requirements that communicate as if they were attached to the Broadcast domain, regardless of their physical location. The following table lists the instruction of the field about the VLAN Setting.

Field Name	Description
QoS	When the network capacity is insufficient, QoS could provide priority to users by setting the value.
Local RTP Port	Define the port for voice transmission.
WebServer	Users can choose the WebServer type: Disable, HTTP, HTTPS, or HTTPS & HTTP.

To configure VLAN settings via Phone interface:

- 1) Press Menu->Settings->Advanced Settings.
- 2) Enter the password required, scroll to Network option, press Enter hot key, select VLAN option, then press Enter hot key again.



3) Choose WAN Port, press Enter hot key.

WAN Port Option								
	1. VLAN Status:	Disable	-					
	2. VID Number:	00000000020						
	3. Priority:	000007						
	Back	Switch	Save					

- 4) Set the VLAN Status, and input the VID Number, Priority.
- 5) Press Save hot key to save the settings, or Back hot key to return to VLAN menu.
- 6) Follow the same way to set the PC Port option.

To configure VLAN settings via Web interface:

Choose Network->Advanced to do the relating configuration. You can consult your system administrator for more information.

#### **Using the Advanced Phone Functions**

VPN 🕜			
	VPN Active	Disabled 💌	
	Upload VPN Config	浏览	
		Import	
Voice QoS	0		
	Voice QoS	40 (0~63)	
	SIP QoS	40 (0~63)	
Local RTP Po	rt 🕜		
	MaxRTPPort	11800 (0~65535)	
	MinRTPPort	11780 (0~65535)	
WebServer	0		
	HTTP port	80 (1~65535)	
	HTTPS port	443 (1~65535)	
	Туре	HTTP&HTTPS	
802.1x 🕜			
	802.1X Mode	Disabled	
	Identity		
	MD5 Password		
Span to PC p	ort 🕜		
	Span to PC port	Disabled	
Registration	random 🕜		
	Registration random	0 (0~60s)	
	Confirm	Cancel	

# LLDP

The Link Layer Discovery Protocol (LLDP) is a vendor-neutral Layer 2 protocol that allows a network device to advertise its identity and capabilities on the local network.

Enable LLDP function; the phone will go to switch to get related VLAN parameters automatically. (Synchronous with VALAN in switch)

To configure LLDP settings via Web interface:

- 1) Choose Network->Advanced->LLDP->Active option, in the pull-down menu, choose enable.
- 2) Then enter the corresponding Packet Interval in Packet Interval field.
- 3) You can also disable this function when you choose disable in active field.
- 4) Click the Confirm button to save the change.

#### **Using the Advanced Phone Functions**

Yealink							Logo	<u>put</u>
Easy Vop	Status	Account	Network	Phone	Contacts	Upgrade	Security	
		In	ternet Port (WAN)	PC Port Adv	/anced			
	LLDP 🕜							
		Active	Disabled	~		VLAN		
		Packet Interval	120	(Scope:1~	3600s)	A VLAN	is a logical local twork (or LAN)	
	VLAN 🕜					that ex	tends beyond a raditional LAN to a	
	WAN Port	Active	Disabled	~		group o given s	of LAN segments, Decific	
		VID	0	(0-4094)		configu	rations.	
		USRPRIORITY	0	~		QoS		
	PC Port	Active	Disabled	~		capacity	he network / is insufficient, uld provide	
		VID	0	(0-4094)		priority	to users by the value.	
		USRPRIORITY	0	*		secong	che volue.	
	Port Link (	2					<b>TP Port</b> the port for voice	
		WAN Port Link	auto neg	otiate 💌		transmi	ssion.	
		PC Port Link	auto neg	otiate 💌				
	VPN 🕜							
		VPN Active	Disabled	~				
		Upload VPN Config		ì	浏览			
			Imp	ort				
	Voice QoS	0						
		Voice QoS	40	(0~63)				
		SIP QoS	40	(0~63)				

# HTTPS

This IP phone can support HTTPS (Hypertext Transfer Protocol over Secure Socket Layer). Adding SSL layer under HTTP, in short, it is a security version of HTTP. Users can set this transmission mode via web page.

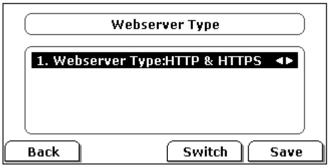
To configure HTTPS settings via Web interface:

Go to Network->Advanced, choose WebServer option, in the pull-down menu of Type field, choose the transmission mode, and then click the Confirm button to save the changes.

Enterprise IP Phone		Using the Advanced Phone Functions
VPN 🕜	PC Port Link	auto negotiati 💌
VPN 🔮	VPN Active	Enabled 🔽
	Upload VPN Config	Import
Voice QoS	Voice QoS SIP QoS	40 (0~63) 40 (0~63)
Local RTP Por		
	MaxRTPPort	11800 (0~65535)
WebServer	MinRTPPort	11780 (0~65535)
	HTTP port	80 (1~65535)
	HTTPS port Type	443 (1~65535) HTTP&HTTPS ▼
802.1x 🕜	802.1X Mode	Disabled HTTP&HTTPS HTTP Only HTTPS Only
	Identity MD5 Password	
Span to PC p		
	Span to PC port	Disabled
Registration (		
	Registration random	0(0~60s)

To configure HTTPS settings via Phone interface:

- 1) Press Menu->Settings->Advanced Settings.
- 2) Enter the password required, scroll to Network option, press Enter hot key, select Webserver Type option, then press Enter hot key again.



- 3) Press the navigation keys or Switch hot key to choose the transmission mode.
- 4) Press Save hot key to save the settings, or Back hot key to return to Webserver Type menu.

#### Note:

- 1. For more details of the HTTPS, you can consult with your system administrator.
- 2. IP phone also support Internet Protocol Version 6.

# **Maintenance Tasks**

# **Administrator Mode**

The phone allows two modes to configure the phone:

- User Mode
- Administrator Mode

Administrator mode grants unlimited access to the phone configuration on both Web and Phone interface. User Mode cannot set the following options: Accounts, Network, Reset to Factory, other advance phone settings.

# Administrator/User Password

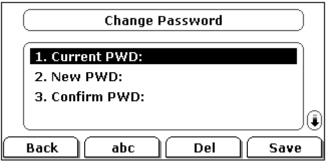
Administrator mode grants unlimited access to the phone configuration on both web and phone user interface. The administrator/user password is used to access:

- Web interface.
- the advance settings of the phone such as Network, Account, Reset to Factory Settings via the Phone interface.

The default administrator password is **admin**. Meanwhile the user name for Web interface access is **admin**.

To change the administrator password via Phone interface:

- 1) Press the hot keys: Menu->Settings->Advanced Settings.
- 2) You are prompted to enter the required password, the default one is **admin**.
- 3) Scroll to Set Password, press Enter hot key.
- 4) You are prompted to enter the Current, New and Confirm password, press abc hot key to change the input method.



5) Press Save hot key to confirm the change, press Back hot key to return to previous menu.

To change the administrator password via Web interface:

Choose Security->Password->admin, enter the Current, New and Confirm password, click Confirm button to save the changes, or Cancel button to cancel the changes.

To logout via Web interface:

Click the Logout button in the top right corner.

# Reboot

You should reboot the phone when you are challenged, e.g. after applying changes to the phone configuration.

To reboot via Web interface:

- 1) Choose Upgrade->Basic.
- 2) Click Reboot button.
- 3) You are prompted to confirm the change, press OK to confirm the changes, press Cancel to cancel the operation.

Voclin	e.						Logout
Yealin	Status	Account	Network	Phone	Contacts	Upgrade	Security
				Advanced			
			Basic	Advanced			
	Fin	mware Version					)TE
		Firmware Version	2.60.0	0.14		Res	set to Factory Setting set all the settings of
		Hardware Version	1.0.1.	1			e phone to default nfigurations.
	Res	et to Factory Sett	ing Re Licrosoft Inte	rnet Explorer	X	Sel Fin Sel	lect and Upgrade mware ect and upgrade the file m the hard disk or
	Rel	ooot System Now	Do you wa	nt to reboot?			twork.
	Sel	ect and Upgrade F	确定	取消			
			浏览	•••			
		Upgrade	Cancel				
Note:							

Please do not power off during reboot, or it will cause the flash memory error.

# **Reset to Factory**

You should reset the phone only in this case: the phone configuration was changed and the phone is not functioning anymore. To maintain the configuration of the phone, you need your system administrator or service provider's advice.

To reset to factory via phone interface:

- 1) Press the hot keys: Menu->Settings->Advance Settings.
- 2) You are prompted to enter the required password, the default one is **admin**.
- 3) Scroll to Reset to factory, press Enter hot key.
- 4) You are prompted to confirm the change, press OK hot key to reset to factory settings, press Cancel hot key to return to previous menu.

#### **Using the Advanced Phone Functions**

Advanced Settings	
1_Accounts	
Reset to factory settings?	
4. Reset to factory	
Cancel	ок

5) It will take a few minutes to reset, please do not power off during resetting, or it will cause flash memory error.

#### Note:

The reset to factory option must in the admin mode.

To reset to factory via Web interface:

- 1) Choose Upgrade->Basic.
- 2) Click Reset button.
- 3) You are prompted to confirm the change, press OK to confirm the changes, press Cancel to cancel the operation.

#### Note:

If you confirm all current setting changes including contact list, call history, account settings, etc will be lost, you need to export the configuration first if you still want to import the old configurations after reset. Or your phone must be configured manually unless mass provisioning is used!

To Export/Import the old configuration file via Web interface:

- 1) Choose Upgrade->Advanced, select Export/Import Config, click Export button to export the file to your local computer.
- 2) Choose Upgrade->Advanced, select Export /Import Config, click Browse button, select the specific configuration file in your local computer, click Import button.
- 3) It will take a few minutes to reset, please do not power off during resetting, or it will cause flash memory error.

#### **Using the Advanced Phone Functions**

Yeal	ink							<u>Loqout</u>
Easy V		Status	Account	Network	Phone	Contacts	Upgrade	Security
				Basic	Advanced			
		Custom I URL Account Password Common MAC-Orie Zero Act Wait Tim PNP Con Check Ni Click this immediat	d AES Key ented AES Key ive he(s) fig ew Config button to auto prov			0	Spec, you prov abou AES It is Click prov Click prov Con Con the all th Syst	tom Option ify the DHCP Option that want to use for isioning. Refer to Auto ision Manual for details it provisioning.
		Export S PCAP Tra	ystem Log ace	Serve	.5	Export 7		
		Import F	actory configuration			浏览 ?		

# **Firmware Update**

The phone is delivered with pre-installed firmware which allows operating your phone flawlessly. If you require updating the phone's firmware please contact your system administrator. You can only update the firmware via Web interface.

#### Warning:

1. Please do not power off or unplug the Ethernet cable during the updating.

To update the firmware manually via Web interface:

- 1) Choose Upgrade->Basic->Browse, select the firmware file in your local computer.
- 2) Click Upgrade button to update the new firmware.

To update the firmware automatically via Web interface:

- Choose Upgrade->Advanced, configure the relating settings: Custom Option, Custom Option Type, URL, Account, Password, Common AES Key and MAC-Oriented AES Key, PNP config and Check New Config.
- 2) Click Confirm button, the phone will check the server for a new firmware in a specific time, and it updates automatically if there is new firmware.
- 3) You can also update the firmware immediately by pressing Auto-provision button.

Set Auto Provision via phone interface:

**Using the Advanced Phone Functions** 

- 1) Go to Menu->Settings->Advanced Settings-> Auto Provision.
- 2) Enter the URL, User Name and Password.
- 3) Click the Save hot key to save the changes.

The parameters of the Auto-provision:

Parameter	Description
Update Protocol	The phone can be updated via TFTP, FTP or HTTP.
TFTP Server	If you choose TFTP as protocol TFTP, you need to enter the TFTP server IP address and port.
Check new config	You can specific the period that your phone checks the new firmware from the server: Power on, Repeatedly, Weekly, Power on + Repeatedly, Power on + Weekly and Disabled.
Scheduling	You can specific the period in days which the phone checks and updates the new firmware, the range is 1-30 days.

#### Note:

- 1. Any power interruption during the following process will most likely lead to a flash memory error. As a result the system cannot boot up anymore.
- 2. The upgrade priority is PNP, Custom Option, URL by descending.
- 3. Users can also delete some configuration options by Auto-provision, for example, to delete the admin password.

# Decryption

This IP phone can support y0000000000.cfg and mac.cfg files encryption and decryption for user authentication to realize security usage. If there are any encrypted y000000000000.cfg or mac.cfg files on the server, uses can open the webpage of your IP phone.

Go to Upgrade->Advanced, choose and fill in the Common AES Key (for y00000000000.cfg and MAC-Oriented AES Key (for mac.cfg) option, then click the Confirm button to decryption the files and upgrade to the new version. Shown as below:

#### **Using the Advanced Phone Functions**

Yealink							<u>Logout</u>
Easy vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
			Basic	Advanced			
	Custom C URL Account Password Common MAC-Orie Zero Act Wait Tim PNP Conf Check Ne Click this immediat	d AES Key Inted AES Key ive Ie(s) fig aw Config button to auto prov	String String Enable 10 Enable Disable		0	Spec you Prov about AES It is Clicd prov Click prov Click prov Exp Con conf the all th Sysi The exp(	TE tom Option tify the DHCP Option that want to use for isioning, Refer to Auto ision Manual for details ut provisioning. Key provided by ISP. C this button to auto vision immediately this button to auto ision immediately. bort/Import figExport the iguration files to backup settings, and could import te settings after reset. ter Log re are two methods to ort the system log, Local erver.
	Export Sy PCAP Tra	ystem Log ace	Server 10.2.3. Star	<b>2</b>	Export ?	,	
	Import Fa	actory configuration			浏览 🥜		

#### Note:

You can ask your system administrator for the decrypt password.

Set AES Key via phone interface:

1) Go to Menu->Settings->Advanced Settings->Set AES Key.

Set AES Key	)
1. Common: 2. MAC-oriented:	
Back 2aB Del Save	

- 2) Enter the Common AES and the MAC-oriented option.
- 3) Press the Save hot key to save the changes.

# **Zero-sp-touch**

Zero-sp-touch this function can help users to configure AUTOP and network parameters quickly.

**Using the Advanced Phone Functions** 

Enable this function, when the power is on or press the corresponding DSSKEY, the phone will turn to the zero-sp-touch interface.

Turn on Zero-sp-touch via web interface:

- 1) Choose Upgrade->Advanced->Zero Active, in the pull-down menu, choose enable to turn on this function.
- 2) Click Confirm button to save the changes.

Yealink							<u>Loqout</u>
	Status	Account	Network	Phone	Contacts	Upgrade	Security
			Basic	Advanced			
	Custom C URL Account Password Common MAC-Orie Zero Acti Wait Tim PNP Conf Check Ne Click this immediat	AES Key nted AES Key ve e(s) ig w Config button to auto provis	String String Internable Disable	d v 0	Phase of the p	Specifyou you w provis Provis about AES J It is p Click provi click t composi- click t download the server a power on. fi Syste Syste There	m Option y the DHCP Option that rant to use for loning. Refer to Auto lon Manual for details : provisioning. (cy rovided by ISP. this button to auto sion immediately his button to auto lon immediately. rt/Import gExport the uraion files to backup settings after reset. em Log are two methods to t the system log, Local
	PCAP Tra	vstem Log .ce actory configuration	Imp Server 10.2.3. Stat	<b>• ?</b>	Export ? 浏览?	,	

Enter into zero-sp-touch interface, first a countdown interface come into view.

- 1) Not any operation or press cancel hot key, will enter idle interface.
- 2) Press status key enters into phone's network interface, can search the internet.
- 3) Press OK key, enter a network setting interface, press next key enter an AutoP setting interface, enter the corresponding contents; press OK key to save the settings. Press back key return to previous menu.

# System Log Export

If there are any errors happened in your phone, you can export the system log and send to your system administrator for diagnosis.

To export the System Log:

1) Choose Upgrade->Advanced, select Export System Log type, if the type is Local, it will export the syslog directly; if the type is server, it will export the syslog to the

**Using the Advanced Phone Functions** 

specified server.

2) Click Export button to export the file.

Yealin	k							<u>Loqout</u>
Easy vop	Status	Account	Network	Phone	Contacts	Upgra	ade	Security
			Basic	Advanced				
	Custom C URL Account Password Common MAC-Orie Zero Acti Vait Tim PNP Conf Check Ne Click this immediat	AES Key nted AES Key ve e(s) ig w Config button to auto prov	String String Interest of the second secon	ed v ?	0		Specify you wa provisic about AES K It is pr Click t provisic Click th provisic Click th provisic Clic	ovided by ISP. his button to auto ion immediately is button to auto on immediately. t/Import JExport the uraion files to backup trings, and could import settings after reset. n Log are two methods to the system log, Local
	Export Sy PCAP Tra	vstem Log ce	Server 10.2.3 Sta	.5	If the type is Lo the syslog direct server,it will exp the specified ser	ly;if the typ ort the syslo	e is	
	Import Fa	actory configuration			浏览 🥜			

# **PCAP Trace Export**

The PCAP Trace used to record the date transport of your IP phone. If there are any errors happened in your phone, you can export the PCAP trace and send to your system administrator for diagnosis.

To export the PCAP Trace:

Choose Upgrade->Advanced to enter, select PCAP Trace option, click Start button began to capture the trace, and click Stop to stop capture the trace, and then click Export to export the file to your local computer.

#### 802.1X

IEEE 802.1X is an IEEE Standard for port-based Network Access Control (PNAC). It is part of the IEEE 802.1 group of networking protocols. It provides an authentication mechanism to devices wishing to attach to a LAN, either establishing a point-to-point connection or preventing it if authentication fails. It is used for securing wireless 802.1x access points and is based on the Extensible Authentication Protocol (EAP).

This IP phone can support 802.1X. For the details, please consult your system

administrator.

# **DSS key Configuration**

The phone has 10 DSS keys which are able to set up to 35 functions per key. The following list shows the functions you can set on the DSS keys and provides a description for each function. The default configuration for each key is N/A which means the key hasn't been set for any functions.

- N/A
- Conference
- Forward
- Transfer
- Hold
- DND
- Redial
- Call Return
- SMS
- Pick Up
- Call Park
- DTMF
- Voice Mail
- Speed Dial
- Intercom
- Line
- BLF
- URL
- Group Listening
- Public Hold
- Private Hold
- Shared Line
- XML Group
- Group Pickup
- Paging
- Record
- Xml Browser
- Hot Desking
- URL Record
- LDAP
- BLF List
- Prefix
- Zero-sp-touch
- ACD
- Local Group

Broadsoft Group

#### Note:

- 1. Quick access features like Intercom and Voicemail must first be configured on your PBX in order to work on your phone. See your system administrator for more information.
- 2. Users can also connect EXP38/EXP39 to extend the DSS keys to 38 or more.

### Conference

You are allowed to configure the DSS key to be used as a conference key while remaining in the current call. This key allows a user on a call to conference another party while remaining in the conference.

To assign the key as Conference:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Conference from the list.
- 2) Press Confirm button to save the changes.

#### Forward

If the key is configured as Forward key, press this key under the idle status, the IP phone will turn to the forward page, and you can set the Forward to number, then when there is any call to the extension number will be forwarded to the set number automatically.

To assign the key as Forward:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Forward from the list.
- 2) Enter the extension number you want to forward to in the Extension field.
- 3) Press Confirm button to save the changes.

### Transfer

You are able to configure the key as a transfer key to perform the Blind/Attended/Semi-Attended Transfer.

To assign the key as Transfer:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Transfer from the list.
- 2) Enter the Number in the "Value" field, when you are on a conversation, press this key, the phone will Blind transfer to the number. Or you can leave it black to set as

the transfer button.

3) Press Confirm button to save the changes.

### Hold

The key can be configured as a hold key. You can use this key to hold and retrieve a call during the conversation.

To assign the key as Hold:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Hold from the list.
- 2) Press Confirm button to save the changes.

# DND

If the key is configured as DND key, you are allowed to active the DND function immediately when you press it. Press it again to deactivate DND mode.

To assign the key as DND:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose DND from the list.
- 2) Press Confirm button to save the changes.

# Redial

If the key is configured as Redial key, press this key under the idle status, it will enter the Dialed Calls interface, then you can choose a special line to call out by pressing the line keys.

To assign the key as Redial:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Redial from the list.
- 2) Press Confirm button to save the changes.

# **Call Return**

When the key is configured as Call Return key you are allowed to dial out the last phone call you received.

To assign the key as Call Return:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Call Return from the list.
- 2) Press Confirm button to save the changes.

### SMS

When the key is configured as SMS key you are allowed to access SMS quickly by pressing this key.

To assign the key as SMS:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose SMS from the list.
- 2) Press Confirm button to save the changes.

# Pick Up

When you configure a Pick Up key, you specify the extension that you want to monitor. Then, when the monitored extension receives a call, you can press this key to pick up the incoming calls.

To assign the key as Pick Up:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Pick Up option from the list.
- Enter the feature code (for example, input \*78345, \*78 is the feature code and the 345 is the extension number you want to pickup) in the Value field.
- 3) In the "Line" field, select a line for which to apply this key.
- 4) Press Confirm button to save the changes.

# **Call Park**

Call Park is a feature that allows a person to put a call on hold at one telephone set and continue the conversation from any other telephone set.

The "call park" feature is activated by pressing a preprogrammed button or a special sequence of buttons. When the conversation which is monitored was transferred to an unused extension number, you can press this key to retrieve the call.

To assign the key as Call Park:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Call Park from the list.
- 2) Enter the number you want to park in the Value field.
- 3) In the "Line" field, select a line for which to apply this key.
- 4) Press Confirm button to save the changes.

# DTMF

You are allowed to send out the desired DTMF number during the conversation. The

number needs to be set in advance.

To assign the key as DTMF:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose DTMF from the list.
- 2) In the "Value" field, enter the specific number.
- 3) Press Confirm button to save the changes.

### Voice Mail

When the key is configured as Voicemail key you are allowed to access voicemail quickly by pressing this key.

To assign the key as Voice Mail:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Voice Mail from the list.
- 2) Enter the number you want to set as the voice mail box in the Value field.
- 3) In the "Line" field, select a line for which to apply this key.
- 4) Press Confirm button to save the changes.

### **Speed Dial**

You can configure the key as a simplified speed dial key. This key function allows you to easily access the most frequently dialed numbers.

To assign the key as Speed Dial:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Speed Dial from the list.
- 2) Enter the number you want to perform Speed Dial in the Value field.
- 3) In the "Line" field, select a line for which to apply this key.
- 4) Press Confirm button to save the changes.

#### Intercom

You can configure the key for Intercom mode and is useful in an office environment as a quick access to connect to the operator or the secretary.

To assign the key as Intercom:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Intercom from the list.
- 2) Enter the extension number you want to intercom in the Value field.
- 3) In the "Line" field, select a line for which to apply this key, the default one is Line 1.

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4) Press Confirm button to save the changes.

#### Note:

Your VoIP PBX must support this feature. And make sure the Intercom Allow is enable.

#### Line

You can set these keys as line keys to active up to the six user accounts.

To assign the key as Line:

Choose Phone->DSS Key->Memory Key or Line Key, choose one of the link key you want to make the assignment, there is a pull-down menu in the Type field, choose Line from the list, press Confirm button to save the changes.

#### BLF

You can configure the key for Busy Lamp Field (BLF) which allows you to monitor the status (idle, ringing, or busy) of other SIP accounts. User can dial out on a BLF configured key.

To assign the key as BLF:

- Choose Phone->DSS Key->Memory Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose BLF from the list.
- 2) Enter the number you want to monitor in the Value field,
- 3) In the "Line" field, select a line for which to apply this key.
- 4) And then enter the feature codes in the extension field.
- 5) Press Confirm button to save the changes.

Please refer to "LED Instruction" for more details about the LED status in different situation.

#### Note:

In the Web interface, you can also set the pickup number to active the pickup function. For example, if you set the BLF number as 212, and the pickup number is \*83, then when there is an incoming call to 212, press the BLF key, it will call out the \*83 automatically to pickup the incoming call on 212.

### URL

If the key is configured as URL, then pressing this key, you can send HTTP requests to a web server.

To assign the key as URL:

- Choose Phone->DSS Key->Memory Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose URL from the list.
- 2) Enter the number you want to set as URL in the Value field.

3) Press Confirm button to save the changes.

### **Group Listening**

When the key is configured as Group Listening key, you are allowed to enable the Speakerphone and Handset/Headset mode at the same time. It is suitable for the group conversation which has more than one person at one side. You are able to speak and listen using handset/headset; meanwhile the others nearby can listen using speakerphone. You can get back to the previous mode by pressing the key again. (If the current mode is handset or headset, users can press the speaker button to open or close the group listening function)

To assign the key as Group Listening:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose Group Listening from the list.
- 2) Press Confirm button to save the changes.

# **Public Hold**

The key can be configured as a public hold key. During a conversation, all members belonging to that particular BLA group can use this key to hold or retrieve a call.

To assign the key as Public Hold:

- Choose Phone->DSS Key->Memory Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Public Hold from the list.
- 2) Press Confirm button to save the changes.

# **Private Hold**

The key can be configured as a private hold key. During a conversation, all members belonging to that particular BLA group can use this key to hold the call, but only the initiator can retrieve the call.

To assign the key as Private Hold:

- Choose Phone->DSS Key->Memory Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Private Hold from the list.
- 2) Press Confirm button to save the changes.

### **Shared Line**

The Shared Line Appearances (SLA, which is also named as BLA) feature allows subscribers to share SIP lines and also provides status monitoring of the shared line. When a user places an outgoing call using such an appearance, all members belonging to that particular SLA group are notified of this usage and are blocked from using this

#### Using the Advanced Phone Functions

line appearance until the line goes back to idle state or when the call is placed on hold. Similarly all members of the SLA group are notified of an incoming call and the call can be picked up on a line appearance associated with the SLA extension.

To assign the key as Shared Line:

- Choose Phone->DSS Key->Memory Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Shared Line from the list.
- 2) Enter the condition code in the Value field.
- 3) In the "Line" field, select a line for which to apply this key, the default one is Line 1.
- 4) Press Confirm button to save the changes.

# XML Group

The keys can be configured as XML Group key. Then pressing this key under the idle status, you can enter the XML Group interface.

To assign the key as XML Group:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose XML Group from the list.
- 2) In the Line field, choose a remote phone book to specify the record, so you must configure the remote phone book at first.
- 3) Press Confirm button to save the changes.

### **Group Pick up**

When you configure a Group Pick Up key, you specify the extension group that you want to monitor. Then, when the monitored group receives a call, you can press this key to pick up the incoming call. If the group receives multiple calls simultaneously, you will pick up the specific one the server assigns to you.

To assign the key as Group Pick Up:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose Group Pick Up option from the list.
- 2) Enter the feature code (for example, \*78) in the Value field.
- 3) In the "Line" field, select a line for which to apply this key.
- 4) Press Confirm button to save the changes.

# Paging

You can configure the key as Paging key. When you press this key, the phone will dial the number out directly.

To assign the key as Paging:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Paging option from the list.
- 2) Enter the number you want to dial out directly in the Value field.
- 3) In the "Line" field, select a line for which to apply this key.
- 4) Press Confirm button to save the changes.

#### Record

Call recording is a phone function to record the conversation in the process of dialogue. Using this feature, please pay attention to the maximum recording time and frequency in advance. Generally, it maybe a few minutes.

To assign the key as Record:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Record option from the list.
- 2) Press Confirm button to save the changes.

### **Xml Browser**

Xml browser is a simple browser function, which is based on xml language and http/https service, users can use tools such as php, javascript, etc., accordance with the established syntax, to generate server-side functions dynamically to meet the needs of the user xml file, and then downloaded it to sip phone by http/https, so as to realize a simple browser features. Using xml browser, customers can achieve the personalized features, such as weather information, stock information, date of inquiry, access to address book, google search, news browsing, playing music, configuration of the terminal parameters and other functions.

To assign the key as Xml Browser:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Xml Browser from the list.
- 2) Enter the URL address you want to connect to in the Value field.
- 3) Press Confirm button to save the changes.

### **Hot Desking**

Hot desking is regularly used in places where not all the employees are in the office at the same time, or not in the office for very long at all, which means actual personal offices would be often vacant, consuming valuable space and resources.

Hot desking is a phone feature that allows accounts to login or logout in an IP phone. After a certain account landing, the corresponding configuration of the account will be applied to the phone.

This IP phone can support two kinds of Hot desking: Base Mode and Advanced Mode.

• Base Mode: Pressing the DSS key which is set to be Hot Desking when the phone is idle to active the Base Mode. By this mode, it will clear all of the account records, then set up an account and register for the first account.

• Advanced Mode: By this mode, it will clear the first account information, then connect the URL to download the Xml file and configure a new account.

To assign the key as Hot Desking:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Hot Desking option from the list.
- 2) In the "Value" field, enter the URL address in the input field to active the advanced mode. Or you can leave it black to active the base mode.
- 3) Press Confirm button to save the changes.

# **URL Record**

During the conversation, pressing the type of DSS key, and then follow the voice prompts to achieve the call recording capability.

- 1) When you are on the conversation, pressing the DSS key to start the recording process in the current Call.
- 2) Enable the recording function, the recording icon will be flashing for the ongoing recording process.
- 3) Pressing the DSS key again to disable the recording function, and the flashing recording icon will be disappeared simultaneously.
- 4) Follow the voice prompts to listen to the recording.

To assign a DSS key as URL Record:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose URL Recorder from the list.
- 4) Enter the condition code in the Value field.
- 5) Press Confirm button to save the changes.

#### Note:

During a conversation, press this type of DSS key to start the recording process; if the other party hung up, your phone will turn to the idle status.

# LDAP

If you want to use the LDAP function, you must configure the corresponding options in the LDAP interface at first.

To assign the key as LDAP:

 Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose LDAP from the list.

- 2) Press Confirm button to save the changes.
- 3) When you press this key under the idle, the phone will turn to the contact search interface.

### **BLF List**

BLF list is a function which can monitor the group status, it is not one to one monitoring, but the information feedback from the server to decide which BLF list will monitor which account.

To set BLF List via web interface:

- 1) Choose Account->Advanced-> BLF List URI, enter the BLF List URI.
- 2) Then enter the BLF List Code in the BLF List Code field.
- 3) Click the Confirm button to save.

To assign the key as BLF List:

- Choose Phone->DSS Key->Memory Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose BLF List from the list.
- 2) In the "Line" field, select a line for which to apply this key.
- 3) Press Confirm button to save the changes.

### Prefix

When you set up the function of prefix, press this key, the phone will be ready to make a new call, and show up the content which your set previously on the dail interface. And you could enter other figure and call out

To assign the key as Prefix:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose Prefix from the list, and enter the number you want to show up on the dial interface in the Value field.
- 2) Press Confirm button to save the changes

### Zero-sp-touch

You can also press the DSSKey which set as the Zero-sp-touch. Then press the DSSKey, the phone will turn to the Zero-sp-touch interface.

To assign the key as Zero-sp-touch:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose Zero-sp-touch from the list.
- 2) Press Confirm button to save the changes

# ACD

ACD(Automatic Call Distribution) is automatic call distribution equipment, is according specific Transfer Rules and distribution strategy to switch the access call to the right person.

Presses DSSKey, it will pop up a login box, enter the User ID and Password, click the Log In hot key.

Presses DSSKEY again enter to the ACD Status page, choose Available/Unavail to change the status.

You can also press LogOut hot key to logout.

When you status is Available, the calls will be directed to your phone. Or the status is unavailable, the calls will not be directed to your phone.

To assign the key as ACD:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, and choose ACD from the list.
- 2) In the "Line" field, select a line for which to apply this key.
- 3) Press Confirm button to save the changes

#### Note:

ACD is not available on all call servers. For more information, contact your system administrator.

# Local Group

The keys can be configured as Local Group key. Then pressing this key under the idle status, you can enter the Local Group interface.

To assign the key as Local Group:

- Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you want to make the assignment, there is a pull-down menu in the Type field, choose Local Group from the list.
- 2) In the Line field, choose a group.
- 3) Press Confirm button to save the changes.

# **Broadsoft Group**

The keys can be configured as Broadsoft Group. Then pressing this key under the idle status, you can enter the Broadsoft Group interface.

To assign the key as Broadsoft Group:

1) Choose Phone->DSS Key->Memory Key or Line Key, choose one of the keys you

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want to make the assignment, there is a pull-down menu in the Type field, choose Broadsoft Group from the list.

- 2) In the Line field, choose a broadsoft Group to specify the record, so you must configure the Broadsoft Group at first.
- 3) Press Confirm button to save the changes.

# **Tone Settings**

You can use the country tone, or if you don't want to use the default one, you can custom it by yourself.

You can define the frequency and time period of all the following tones:

- Dial
- Ring Back
- Busy
- Congestion
- Call Waiting
- Dial Recall
- Record
- Info
- Stutter
- Message
- Auto Answer

To edit the tone filed via Web interface:

- 1) Choose Phone->Tones.
- 2) Enter the frequency and time period(in ms) as the following format: Frequency /Time Period (for example 400/200).
- 3) Press Confirm button to save the changes, or Cancel to cancel the change.

#### Note:

- 1. Please contact your system administrator for more information about the frequency and time period parameters. You can enter up to 8 groups for each tone.
- 2. If the frequency is set as 0, it means silence.

# Voice

To edit the Voice filed via Web interface:

- 1) Choose Phone->Voice.
- 2) Set the following parameters shown in the table.

Parameter	Description						
Echo canceller	Defines whether to enable the echo canceller.						
VAD	Voice activity detection (VAD), also known as speech activity detection or speech detection, is a technique used in speech						
	processing in which the presence or absence of human speech is						

	detected.
CNG	A comfort noise generator (CNG) is a program used to generate background noise for voice communications during periods of silence that occur during the course of conversation.
JITTER BUFFER	It is a shared data area where voice packets can be collected, stored, and sent to the voice processor in evenly.
Туре	To choose the type of JITTER BUFFER, adaptive or Fixed.
Delay	To set the Min Delay, Max Delay and Normal Delay parameter.

3) Press Confirm button to save the changes, Cancel to cancel the changes.

Yealink							<u>Loqout</u>
Easy vop	Status	Account	Network	Phone	Contacts	Upgrade	Security
Preference	e Features	Softkey Layout	DSS Key EXT K	ey Action URL	Voice Ring	Tones Dial	Plan SMS
	Cancellation 🥳	Echo canceller VAD CNG Type Min Delay Max Delay Normal Delay	Enabled Disabled Enabled 0 300 120			CNG Comfort General It is a sl where be be colle sent to	
		Confirm	[	Cancel			

# Ring

Users can group your contacts, and then set the ringing tone for each group. To edit the Ring option via Web interface:

- 1) Choose Phone->Ring.
- 2) Internal Ringer Text: To set group name. For example, family.
- 3) Internal Ringer File: To choose a special ring tone for the group.
- 4) Click the Confirm button to save the changes.

# Enterprise IP Phone Using the Advanced Phone Functions

Yealink	-					Logou
	Status	Account	Network	Phone	Contacts	Upgrade Security
Preference	Feature	s Softkey Layout	DSS Key   EXT K	(ey   Action URL	Voice Ring	Tones Dial Plan SMS
	1	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	D NOTE
	2	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	3	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	4	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>∽</b>	
	5	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	6	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	7	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	8	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	9	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
	10	Internal Ringer Text				
		Internal Ringer File	Ri	ng1.wav	<b>~</b>	
		Confirm		Cancel		

# **Trouble Shooting**

#### I can not register to the server?

- 1) Check the IP address. If you set your WAN port in DHCP mode, please make sure that your DHCP server is on.
- 2) Check your gateway.
- 3) Check your DNS server.
- 4) Make sure your account information is the same as you have got from your ISP.
- 5) Check whether the SIP server is on.
- 6) Check the SIP register port, the default value is 5060.

#### I can't get the IP address?

- Make sure you have plugged the Ethernet cable into the WAN port.
- Make sure that the DHCP server is on, and there are available IP addresses in the server.
- Try to set your WAN port to static IP client mode.

#### During a call, I can not hear any voice?

- 1) Make sure your handset is tightly connected with the phone.
- 2) Check whether you have muted the conversation or not.
- 3) Consult the outbound server details with your ISP.

#### Have DTMF problem?

- Check which kind of DTMF you are using, and whether it is compatible with the server.
- Consult the payload value with your ISP.

#### How to change the time?

Select the time zone or enter the time information manually on the webpage or the phone.

#### How to answer the incoming calls during a call?

If a call comes in when you are in a conversation, press the navigation keys to switch to the incoming call interface, then press the Answer key or Speaker button to answer it.

#### How to refuse incoming calls during a call?

You can turn off the function of call waiting, and then our phone will refuse all the incoming calls when you are in a conversation.

#### How to send SMS?

You could edit the SMS in the Menu-> Messages->Text Messages.

#### Note:

Make sure that the SIP server you have registered supports SMS function.

#### How to update the firmware?

- 1) Enter the webpage of your phone, go to Upgrade, then you can find the option"Select and Upgrade Firmware" at the bottom of the page.
- 2) Select the file to update, and then click the Upgrade button.

#### Note:

Make sure the firmware you choose is provided by your service provider, or the device will probably crash after the update.

#### How to auto provision?

Consult the auto provision server address with your ISP.

The manual is only for reference; please take the object as the standard.

We reserve the right to improve or change the product and the user guide without notice.

You can download the latest user manuals from our website: <u>http://www.yealink.com/en/download.asp?BigClassName=IP%20Phone</u>

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