

# **Using Ribbon Features on Yealink IP Phones**

# Introduction

You can deploy Ribbon's AS server as a standalone server or in combination with a Ribbon's C20 Session Server. Features vary depending on your deployment.

This guide introduces how to configure the Ribbon feature on the following Yealink phones:

- VP59, SIP-T58A, CP960, SIP-T57W, SIP-T54W, SIP-T53W, SIP-T53, SIP-T48U, SIP-T48S, SIP-T46U, SIP-T46S, SIP-T43U, SIP-T42U, SIP-T42S, SIP-T41S, SIP-T40P/G, SIP-T27G, SIP-T23P/G, SIP-T21(P) E2, SIP-T19(P) E2 and CP920 IP phones running firmware version 84 or later.
- SIP-T31, SIP-T31P, SIP-T31G, SIP-T33P, T33G IP phones running firmware version 85 or later.
- SIP-T53C IP phones running firmware version 86 or later.

The configurations for Ribbon features described in this guide take the Yealink SIP-T46S IP phone as an example.

# **Registering a Ribbon Account**

### **Procedure**

1. Add/Edit account registration parameters in the configuration template files:

Parameters	Permitted Values	Default	
account.X.enable	0 or 1	0	
Description:			
Enables or disables the account X.			
<b>0</b> -Disabled			
1-Enabled			
account.X.label <sup>∞</sup>	String	Blank	
Description:			
Configures the label displayed on the LCD screen for a specific account.			
account.X.display_name <sup></sup>	String	Blank	

Parameters	Permitted Values	Default
Description:		
Configures the display name for a specific account.		
account.X.auth_name <sup>∞</sup>	String	Blank
Description:		
Configures the user name for authentication registration for a s	pecific account.	
account.X.user_name∘	String	Blank
Description:		
Configures the register user name for a specific account.		
account.X.password <sup>∞</sup>	String	Blank
Description:		
Configures the password for register authentication for a specif	ic account.	
account.X.sip_server.Y.address <sup>□</sup>	String within 256 characters	Blank
Description:		
Configures the IP address or domain name of the SIP server Y specific account.	that accepts the regi	stration of a
account.X.sip_server.Y.port <sup>™</sup>	Integer from 0 to 65535	5060
Description:		
Configures the port of the SIP server Y that specifies registration	ons for a specific acco	ount.
account.X.sip_server.Y.transport_type	0, 1, 2 or 3	0
Description:	L	<u> </u>
Configures the transport method the IP phone uses to commun	icate with the SIP se	rver for a specific
account.		
<b>0</b> -UDP		
1-TCP		
2-TLS 3-DNS-NAPTR		
account.X.sip_server.Y.expires <sup>∞</sup>	Integer	3600

Parameters	Permitted Values	Default
	from 30 to 2147483647	
Description:		
Configures the registration expires (in seconds) of the SII	P server Y for a specific acco	ount.
and the same Visit and the same	Integer	0
account.X.sip_server.Y.retry_counts	from 0 to 20	3
Description:		
Configures the retry times for the IP phone to resend requor there is no response from the SIP server Y for a specific		′ is unavailable
account.X.outbound_proxy_enable <sup>□</sup>	0 or 1	0
Description:		
Enables or disables the phone to use the outbound proxy	server for a specific accour	nt.
<b>0</b> -Disabled		
1-Enabled		
- Eliabiou		
account.X.outbound_proxy.Y.address <sup>∞</sup>	IP Address or Domain Name	Blank
		Blank
account.X.outbound_proxy.Y.address <sup>™</sup>	Domain Name	
account.X.outbound_proxy.Y.address  Description:  Configures the IP address or domain name of the outbou	Domain Name	cific account.
account.X.outbound_proxy.Y.address  Description:	Domain Name	
account.X.outbound_proxy.Y.address  Description:  Configures the IP address or domain name of the outbou	nd proxy server Y for a spec	cific account.
account.X.outbound_proxy.Y.address  Description: Configures the IP address or domain name of the outbou  account.X.outbound_proxy.Y.port	Domain Name and proxy server Y for a special s	cific account.
account.X.outbound_proxy.Y.address  Description: Configures the IP address or domain name of the outbout account.X.outbound_proxy.Y.port  Description:	Domain Name and proxy server Y for a special s	cific account.
account.X.outbound_proxy.Y.address  Description: Configures the IP address or domain name of the outbout account.X.outbound_proxy.Y.port  Description: Configures the port of the outbound proxy server Y for a server.	Integer from 0 to 65535  Integer from 0 to 65535	cific account.

Configures the retry times for the IP phone to resend requests when the outbound proxy server Y is unavailable or there is no response from the outbound proxy server Y for a specific account.

If it is set to **-1**, the IP phone will invoke the value of the parameter "account.X.sip\_server.Y.retry\_counts" to take effect.

## Example:

 $account.1.outbound\_proxy.1.retry\_counts = 3$ 

Parameters	Permitted Values	Default	
The IP phone moves to the next available outbound proxy server after three failed attempts.			
account.X.sip_server_type	0 or 15	0	
Description			

### Description:

Specifies the server-specific feature set for the line registration.

0-Default

15-Genband Standalone AS

<sup>[1]</sup>X is the account ID. For VP59/SIP-T58A/T57W/T54W/T48U/T48S/T46U/T46S, X=1-16; for SIP-T53W/T53/T53C/T43U/T42U/T42S, X=1-12; for SIP-T41S/T27G, X=1-6; for SIP-T33P/T33G: X=1-4; for SIP-T40P/T40G/T23P/T23G, X=1-3; for SIP-T31P/T31G/T31/T21(P) E2, X=1-2; for SIP-T30P/T30/T19(P) E2/CP920/CP960, X=1.

The following shows an example of account registration parameters in the configuration file (e.g., y000000000066.cfg):

### ##Account1 Registration

```
account.1.enable = 1

account.1.label = u9920040

account.1.display_name = u9920040

account.1.auth_name = u9920040

account.1.user_name = u9920040

account.1.password = 1234

account.1.sip_server.1.address = yealink.ott7.iot

account.1.sip_server.1.port = 5060

account.1.sip_server.1.retry_counts = 3

account.1.outbound_proxy_enable = 1

account.1.outbound_proxy.1.address = 206.165.51.38

account.1.outbound_proxy.1.port = 5060

account.1.outbound_proxy.1.retry_counts = 3

account.1.outbound_proxy.1.retry_counts = 3

account.1.outbound_proxy.1.retry_counts = 3
```

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

# **Using Ribbon SCA**

When the phone is registered with Ribbon server, you can use the following Ribbon SCA features:

- SLA-SCA: It requires you to deploy Ribbon's AS server as a standalone server.
  - Ribbon SCA allows users to share a SIP line on several IP phones. Any IP phone can be used to initiate or receive calls on the shared line. An incoming call can be presented to multiple phones simultaneously, but can only be answered by one IP phone.
- MADN-SCA (Multiple appearance directory numbers—single call appearance): It requires you to deploy Ribbon's C20 server.

The MADN-SCA feature enables a group of users to share a single line with other contacts. Any MADN group member can place, answer, hold, resume, or bridge in an active call on a shared line. Only one call is active on the line at a time on the MADN-SCA shared line. When a call is in progress, any incoming call to the line receives a busy tone.

## **State Indicator of Shared Line**

The local SCA phone indicates the phone is involved in an SCA call, while the monitoring SCA phone indicates the phone is not involved in the SCA call.

Line Key LED		Icons		
(not applicable to VP59/T58A/T57W/T48U/T48S/ T30P/T30/T19(P) E2/CP920/CP960 phones)	VP59/T58A/T5 7W/T54W/T53 C/CP960	T48U/T48S	T46U/T46S	Description
Off	9	9	2	The shared line is idle.
Fast-flashing green	(Flashing)	(Flashing)	2	The shared line receives an incoming call.
Solid green (for local SCA phone) Solid red (for monitoring SCA phone)	(Flashing)	(Flashing)	2	The shared line is dialing.
Solid green (for local SCA phone) Solid red (for monitoring SCA phone)	9	2	<b>T</b>	The shared line is busy or is in a call.
Slow-flashing green (for local SCA phone) Slow-flashing red (for monitoring SCA phone)	3	2	26	The shared line conversation is placed on hold.

# **Configuring SCA Feature**

# **Procedure**

**Description:** 

1. Add/Edit SCA parameters in the configuration template files:

Parameters	Permitted Values	Default			
account.X.shared_line	0 or 1	0			
Description:					
Configures the registration line type.					
0-Disabled					
1-Shared Call Appearance					
Note: It works only if "account.X.sip_server_type" is set to 15 (0	Genband Standalone	AS).			
account.X.share_line.barge_in.enable	0 or 1	1			
Description:					
Enables or disables the users to interrupt/barge into an active of	all on the shared line	).			
<b>0</b> -Disabled					
1-Enabled					
account.X.shared_line_one_touch_bargein.enable <sup>∞</sup>	account.X.shared_line_one_touch_bargein.enable 0 or 1 0				
Description:					
Enables or disables the phone to barge in the call between rem	ote shared line party	and the third			
party by pressing the line key.					
<b>0</b> -Disabled					
1-Enabled					
account.X.share_line.enable_private_code	String within 32 characters	Blank			
Description:					
Configures the star code for the phone to change its status from non-private to private.					
Note: It works only if "account.X.shared_line" is set to 1 (Shared Call Appearance). It is only					
applicable to MADN-SCA.					
account.X.share_line.cancel_private_code	String within 32 characters	Blank			

Configures the star code for the phone to change its status from private to non-private.

	Parameters	Permitted Values	Default
--	------------	---------------------	---------

**Note**: It works only if "account.X.shared\_line" is set to 1 (Shared Call Appearance). It is only applicable to MADN-SCA.

<sup>[1]</sup>X is the account ID. For VP59/SIP-T58A/T57W/T54W/T48U/T48S/T46U/T46S, X=1-16; for SIP-T53W/T53/T53C/T43U/T42U/T42S, X=1-12; for SIP-T41S/T27G, X=1-6; for SIP-T33P/T33G: X=1-4; for SIP-T40P/T40G/T23P/T23G, X=1-3; for SIP-T31P/T31G/T31/T21(P) E2, X=1-2.

The following shows an example of MADN-SCA parameters in the configuration file (e.g., y000000000066.cfg):

```
account.1.shared_line = 1
account.1.shared_line.barge_in.enable = 1
account.1.shared_line_one_touch_bargein.enable = 1
account.1.share_line.enable_private_code = *92
account.1.share_line.cancel_private_code = *97
```

Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

# **Using SLA-SCA**

## Placing an SLA Call

### **Procedure**

Do one of the following:

- Enter the desired number when the phone is idle. Press the OK key, # key, or the Send soft key.
   The phone will dial the entered number using the default line key.
- Press the line key when the phone is idle to enter the dialing screen.

Enter the desired number and press the OK key, # key, or the Send soft key.

The phone will dial the entered number using the selected line key.

### **Answering an SLA Call**

An incoming call alerts all the members in the SCA group simultaneously, and the call can be answered by any group member.

### **Procedure**

1. Press the line key, OK key or the **Answer** soft key.

# Placing an SLA Call on Hold

You can place a call on hold. Any shared line can retrieve the held call.

### **Procedure**

1. Press the Hold soft key.



The line key LEDs on the phone slowly flash green and the other phones of the SCA group slowly flash red when the shared line call is placed on hold.

## Retrieving an SLA Call Placed on Hold

You can retrieve a held call on the local SCA phone or any of the monitoring SCA phones.

### To retrieve the call on the local SCA phone:

1. Press the **Resume** soft key.

### To retrieve the call on the monitoring SCA phone:

1. Press the line key whose LED indicator slowly flashes red.

## **Bridging In an Active SLA Call**

### **Procedure**

1. Press the line key whose LED indicator glows red.

The phone sets up a conference call with the other parties in the active call.

# **Using MADN-SCA**

## **Placing an MADN Call**

Any member places a call on the shared line will be notified by the line key on the other members' phones. The line key LEDs on the phone glow green and the other phones of the SCA group glow red. Only one call at a time is active on the shared line. The call fails if it is placed to the shared line with an active call in progress.

## **Answering an MADN Call**

Any incoming call to the shared line rings on all group members' phones simultaneously. The call is displayed on all members' screens, any MADN member can answer the incoming call.

### **Bridging in an Active MADN Call**

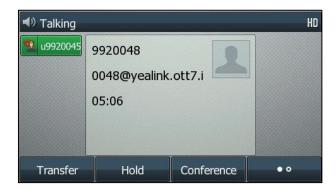
After a call is answered, any group member can bridge in the active call on the public shared line, and the call becomes a bridge call — the call between two or more MADN members and another party.

When a shared line is configured as private or when privacy is enabled for the active call, bridging is disabled and other MADN members cannot bridge in the active call on the shared line.

### **Procedure**

1. Press the line key whose LED indicator glows red.

A bridged call is set up, and a warning tone plays notifying the other call participants that you are bridging in the call.



### Leaving a Bridge Call

Any member in a bridge call can leave the call, but the call remains active.

### **Procedure**

1. Press the End Call soft key.

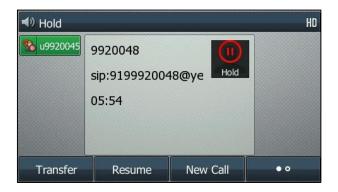
Your connection to the bridge call is ended, and other call participations remain in the call.

# Placing an MADN Call on Hold

After a call is answered, you can place the call on hold. Any MADN members can resume the held call.

### **Procedure**

1. Press the Hold soft key.



The line key LEDs on the phone slowly flashes green and the other phones of the group members slowly flash red when the shared line call is placed on hold.

### **Resuming a Held MADN Call**

When an active call is placed on hold on the shared line, the line key LEDs on all group members' phones slowly flash red. Any MADN members can resume this held call.

When a held call is resumed by another MADN member, the line key LEDs on other group members' phones glow red.

### **Procedure**

1. Press the line key whose LED indicator slowly flashes red.

### **Enabling Privacy for MADN Calls**

On the Ribbon server, you can configure a privacy setting that determines whether or not, after the call is answered, other members of the group can bridge in the same call.

Optionally, you can configure star codes on the server that you can dial on the phone to toggle the privacy setting during a single active call. If the line is configured for privacy by default, you can use a star code to toggle privacy on and off during an active call. If the line is configured on the server with privacy off, you can use a star code to toggle to privacy on during an active call but you cannot toggle back to privacy off during the call. When the call ends, the line resets to the default initial state.

Any MADN member can temporarily enable or disable privacy for a call on the shared line using the pre-configured soft keys.

You can use the following codes to enable and disable privacy on a shared line:

- Privacy Access (PRV) code Enables privacy for an active call on a public line.
- Privacy Release Cancel (PRLC) code Disables privacy for an active call on a private shared line.

# **Enabling Privacy**

If privacy is enabled on an active call, other MADN members cannot bridge in the call.

## **Procedure**

- 1. Do one of the following:
  - Press the Private soft key.



The phone dials out the Privacy Access (PRV) code to enable privacy for the active call.



Press Hold->New Call, and then dial out the private code (for example, \*92).



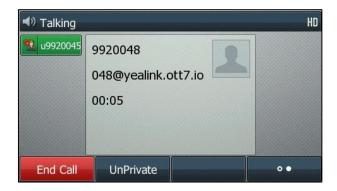


# **Disabling Privacy Temporarily**

You can temporarily disable privacy for an active call to allow other MADN members to join the call.

# **Procedure**

- 1. Do one of the following:
  - Press the UnPrivate soft key.



The phone dials out the Privacy Release Cancel (PRLC) code to disable privacy for the active call.



• Press **Hold->New Call**, and then dial out the un-private code (for example, \*97).





A confirmation tone plays, and the call is resumed automatically. Privacy is disabled for the call and any member can bridge in the call.

# **Enabling Privacy for the Bridge Call**

You can enable privacy on a bridge call to prevent additional MADN members from bridging in the call.

### **Procedure**

1. Press the **Private** soft key or dial out the private code.

A confirmation tone plays when privacy is enabled and the call is resumed automatically. The bridge call is now private and additional MADN members are not allowed to join the call.

# **Using Ribbon Address Books**

The Ribbon address books involve the following:

- Global Address Book (GAB): GAB is a read-only global directory managed by the Ribbon server and can co-exist with other corporate directories on the IP phone.
- Personal Address Book (PAB): PAB is managed by the Ribbon server and the PAB can be read and modified by multiple clients (IP phones, web client).

# **Subscriber Open Provisioning Interface (SOPI)**

The Ribbon server provides a Subscriber Open Provisional Interface (SOPI) protocol for IP phones to access Ribbon address books. SOPI is an HTTP/HTTPS-based Application Programming Interface (API).

The IP phones interoperate with Ribbon SOPI using HTTP/HTTPS messages. It requires authentication when accessing the SOPI.

# **Configuring the SOPI**

You can configure the SOPI feature for Yealink IP phones using the configuration files only.

### **Procedure**

1. Add/Edit SOPI parameters in configuration files.

Parameters	Permitted Values	Default
gb.sopi.enable	0 or 1	0
Description		

#### **Description:**

Enables or disables the SOPI feature for the IP phone.

0-Disabled

1-Enabled

gb.sopi.service_url	URL within 511 characters	Blank
---------------------	---------------------------	-------

### Description:

Configures the access URL of the SOPI.

The valid URL format is: [http[|s]://]][domain name|IP][:port|]/sopi/services[/].

The protocol, port number and the last "/" can be omitted. If the port number is not specified, the IP phone will use the default port number (80 when using the HTTP protocol or 443 when using https protocol). If the protocol is not specified, the IP phone will use the HTTP protocol.

#### Example:

gb.sopi.service\_url = https://so-ott-pa3.genband.com:443/sopi/services

Note: It works only if "gb.sopi.enable" is set to 1 (Enabled).

gb.sopi.username	String	Blank
------------------	--------	-------

### Description:

Configures the user name for SOPI access authentication.

### Example:

gb.sopi.username = y6211025@yealink.siot45.gbiot

Note: It works only if "gb.sopi.enable" is set to 1 (Enabled).

gb.sopi.password	String	Blank
Description:		

Parameters	Permitted Values	Default
Configures the password for SOPI access authentication.		
Note: It works only if "gb.sopi.enable" is set to 1 (Enable	d).	
gb.sopi.gab.default_search	0 or 1	0

### Description:

Configures whether to search and display contacts according to the default search condition if there is no cache filter condition after accessing the GAB.

**0-**Search and display contacts without default query conditions.

**1-**Use the default query conditions to search and display, see "gb.sopi.gab.default\_search\_type" and "gb.sopi.gab.default\_search\_keyword" for the default query conditions.

gb.sopi.gab.default_search_type	1, 2, 3 or 4	1
---------------------------------	--------------	---

### Description:

Configures what type to search and display contacts.

- 1-name
- 2-first name
- 3-last name
- 4-phone number

gb.sopi.gab.default_search_keywords	String within 99 characters	Blank
-------------------------------------	-----------------------------	-------

### **Description:**

Configures what keywords to search and display contacts.

The following shows an example of SOPI configuration:

```
gb.sopi.enable = 1
gb.sopi.service_url = https://so-ott-pa3.genband.com:443/sopi/services
gb.sopi.username = y6211025@yealink.siot45.gbiot
gb.sopi.password = 1234
```

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

# **Using Ribbon Global Address Book (GAB)**

The Global Address Book (GAB) is a read-only directory on the IP phone. The IP phones can access a

GAB using the Ribbon SOPI protocol. Once set up on the phones, the GAB can be browsed and searched. You can call numbers and save contacts from the GAB to the PAB. When you first access the GAB, there are no contacts. You should perform a search to view the contacts in the GAB.

## **Configuring the GAB**

You can configure the GAB feature for Yealink IP phones using the configuration files only.

### **Procedure**

1. Add/Edit GAB parameters in configuration files.

Parameters	Permitted Values	Default
gb.sopi.gab.enable	0 or 1	0

#### Description:

Enables or disables the GAB feature for the IP phone.

0-Disabled

1-Enabled

If it is set to 1 (Enabled), the **Global Address Book** list will be automatically displayed on the LCD screen at the phone path **Menu->Directory**.

gb.sopi.gab.retain_search_filter	0 or 1	1
		i

### Description:

Enables or disables the IP phone to keep the last configured search criteria.

0-Disabled

1-Enabled

If it is set to 1 (Enabled), the IP phone will automatically search for the contacts by using the last configured search criteria and display the results when accessing the GAB.

If it is set to 0 (Disabled), the IP phone will not automatically search and display any contact when accessing the GAB each time. You should perform an advanced search to view the contacts if required.

Note: It works only if "gb.sopi.gab.enable" is set to 1 (Enabled).

directory_setting.gb_gab_directory.enable	0 or 1	0

### Description:

Enables or disables the users to access the GAB directory by pressing the **Directory/Dir** soft key/tapping the directory icon.

0-Disabled

1-Enabled

Parameters	Permitted Values	Default
Note: It works only if "gb.sopi.gab.enable" is set to 1 (Er	nabled).	
directory_setting.gb_gab_directory.priority	Integer greater than or equal to 0	0
Description:		
Configures the display priority of the GAB directory.		
Note: It works only if "gb.sopi.gab.enable" is set to 1 (Er	nabled).	

The following shows an example of GAB configuration:

```
gb.sopi.gab.enable = 1
gb.sopi.gab.retain_search_filter = 1
```

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

# **Using the GAB**

If the GAB feature is properly configured on the IP phone, you can:

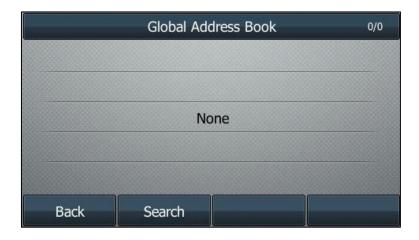
- Access the GAB
- Search the GAB
- View contacts
- Place calls to contacts
- Save contacts to PAB

Before viewing contacts, placing calls to contacts and saving contacts to PAB, you should perform an advanced search in the GAB first.

# **Accessing the GAB**

### **Procedure**

1. Go to Menu->Directory->Global Address Book.



There is no contact when you first access the GAB.

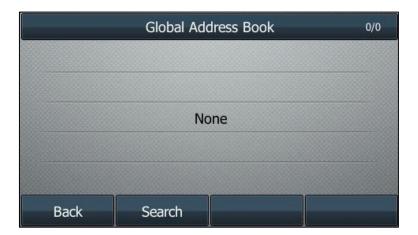
# **Searching the GAB**

You can perform an advanced search for the contacts in GAB on your phone. An advanced search enables you to choose to search for contacts by name, first name, last name, or phone number (including business/home/mobile number).

### **Procedure**

1. Go to Menu->Directory->Global Address Book.

There is no contact when you first access the GAB.



- 2. Select Search.
- 3. Highlight the desired search type, select OK.



- **Search by Name** Search the contacts by the nickname.
- Search by FirstName Search the contacts by the first name.
- Search by LastName Search the contacts by the last name.
- Search by Phone Number Search the contacts by the phone number. The IP phone will search the contacts according to the priority: business number>home number>mobile number.
- 4. Enter your search criteria.



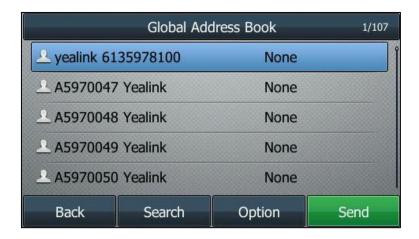
By default, the filter condition will be kept. And when you access the GAB next time, the IP phone will use the filter condition to search the contacts automatically.

#### 5. Select Search.

The phone screen prompts "Loading, please wait...".



Then your search results will be displayed in the Global Address Book list.

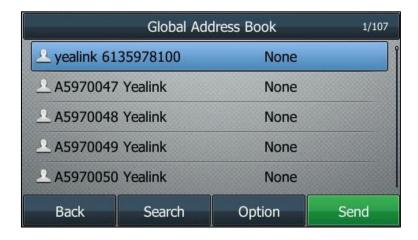


You can select  $\mbox{\bf Option-}{>}\mbox{\bf Refresh}$  to research the contacts.

# **Viewing Contacts**

## **Procedure**

1. Perform an advanced search of the GAB (refer to Searching the GAB).



2. Highlight the desired contact, and select Option->Detail.

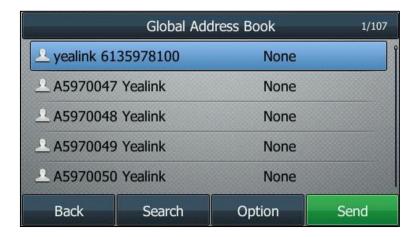
The detail information of the contact will be displayed on the phone screen.



# **Placing Calls to Contacts**

### **Procedure**

1. Perform an advanced search in the GAB (refer to Searching the GAB).



- 2. Highlight the desired contact and select Send.
  - If only one number for the contact is stored in the GAB, the contact number will be dialed out by using the default account.
  - If multiple numbers for the contact are stored in the GAB, highlight the desired number and select **Send**.



The contact number will be dialed out by using the default account.

You can also select Account and then select the desired account to dial out the number.



# **Saving GAB Contacts to PAB**

If the PAB is enabled on the IP phone, you can save contacts from the GAB to the PAB.

## **Procedure**

1. Perform an advanced search in the GAB (refer to Searching the GAB).



- 2. Highlight the desired contact, and select Option->Add to Personal.
- 3. Edit the corresponding fields.



If the contact's nickname already exists in the PAB, you cannot add the contact to PAB.



### 4. Select Save.

The entry is successfully saved to the PAB.

# **Saving GAB Contacts to Presence List**

You can add GAB contacts to the presence list.

## **Procedure**

- 1. Go to Menu->Directory->Global Address Book.
- 2. Perform an advanced search in the GAB (refer to Searching the GAB).
- 3. Highlight the desired contact, and then select Option->Add to Presence.



The contact is added to the presence list successfully.

4. Repeat step 2 to add more GAB contacts to the presence list.

# **Using Ribbon Personal Address Book (PAB)**

The personal address book (PAB) enables users to read and modify a personal directory on their phones. Once this personal directory is set up on the phones, your PAB contacts are automatically downloaded to the IP phones.

When you modify contact information using any client (phones, web clients) accessing the SOPI with the same user, the change is made on all other clients, and you are notified immediately of the change by the Ribbon server.

The IP phones can support up to 800 contacts in the PAB.

# Configuring the PAB

You can configure the PAB feature for Yealink IP phones using the configuration files only.

### **Procedure**

1. Add/Edit PAB parameters in configuration files.

Parameters	Permitted Values	Default
gb.sopi.pab.enable	0 or 1	0

#### **Description:**

Enables or disables the PAB feature for the IP phone.

0-Disabled

1-Enabled

If it is set to 1 (Enabled), the **Personal Address Book** list will be automatically displayed on the LCD screen at the phone path **Menu->Directory**.

Parameters	Permitted Values	Default
gb.sopi.pab.match_in_calling.enable	0 or 1	1

### **Description:**

Enables or disables the IP phone to present the caller/callee identity stored in the PAB when receiving/placing a call.

0-Disabled

1-Enabled

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

features.pab.enable	0 or 1	0
---------------------	--------	---

### **Description:**

Enables or disables the PAB subscription.

0-Disabled

1-Enabled, the phone sends a SUBSCRIBE message with the event "address-book".

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

features.pab.soupuser	String	Blank
		l

### **Description:**

Configures the URI used to match the registration SIP URI information.

If matched, the phone sends a SUBSCRIBE message with the event "address-book".

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

directory_setting.gb_pab_directory.enable	0 or 1	0
	1	

### **Description:**

Enables or disables the users to access the PAB directory by pressing the **Directory/Dir** soft key/tapping the directory icon.

0-Disabled

1-Enabled

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

directory_setting.gb_pab_directory.priority	Integer greater than or	0
	equal to 0	

### Description:

Configures the display priority of the PAB directory.

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

Parameters	Permitted Values	Default
search_in_dialing.gb_pab_directory.enable	0 or 1	0

### **Description:**

Enables or disables the phone to automatically search entries in the PAB directory, and display results on the pre-dialing/dialing screen.

0-Disabled

1-Enabled

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

search_in_dialing.gb_pab_directory.priority	Integer greater than or equal to 0	0
---	------------------------------------	---

### Description:

Configures the search priority of the PAB directory.

Note: It works only if "gb.sopi.pab.enable" is set to 1 (Enabled).

The following shows an example of PAB configuration:

gb.sopi.pab.enable = 1

gb.sopi.pab.match\_in\_calling.enable = 1

features.pab.enable = 1

features.pab.soupuser = y5978020@yealink.a2e01.gbiot

2. Upload configuration files to the root directory of the configuration server and trigger IP phones to perform an auto provisioning for configuration update.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

## **Using the PAB**

If the PAB feature is properly configured on the IP phone, you can:

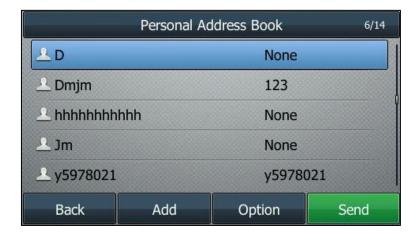
- Add groups
- Edit groups
- Delete groups
- Add contacts
- Edit contacts
- Delete contacts
- Search for contacts
- Place calls for contacts

# **Adding Groups**

### **Procedure**

1. Go to Menu->Directory->Personal Address Book.

The phone screen will display all contacts in the PAB.



- 2. Select Option->Manage Group.
- 3. Select Add.
- 4. Enter the desired group name.

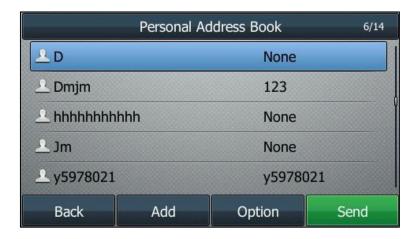


5. Select Save.

# **Editing Groups**

### **Procedure**

1. Go to Menu->Directory->Personal Address Book.



- 2. Select Option->Manage Group.
- 3. Highlight the desired group, and then select **Option->Rename Group**.

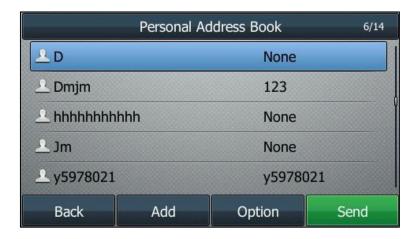


- 4. Edit the group name.
- 5. Select Save.

# **Deleting Groups**

## **Procedure**

1. Go to Menu->Directory->Personal Address Book.



- 2. Select Option->Manage Group.
- 3. Highlight the desired group, and then select Option->Delete Group.

The phone screen prompts the following warning:

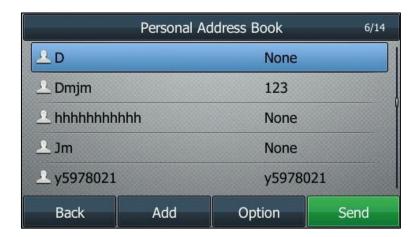


4. Select **OK** to confirm the deletion.

# **Adding Contacts**

### **Procedure**

1. Go to Menu->Directory->Personal Address Book.



- 2. Select Add.
- **3.** (Optional.) Select the desired group from the **Group** field to add the contact to.
- 4. Enter the contact information in the corresponding fields.



Note

The nickname is used to identify the contact, which must be unique and cannot be null.

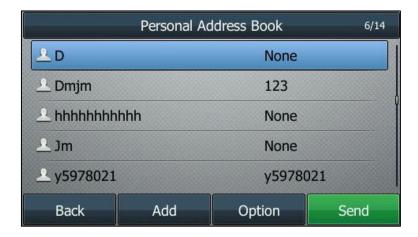
The primary contact cannot be null.

5. Select Save.

# **Editing Contacts**

### **Procedure**

1. Go to Menu->Directory->Personal Address Book.



- 2. Highlight the desired contact, and then select Option->Edit.
- 3. Edit the contact information.

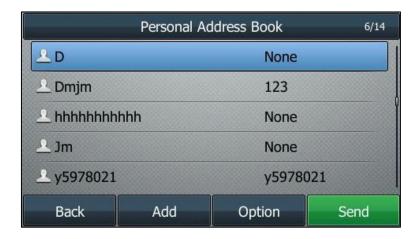


4. Select Save.

# **Deleting Contacts**

### **Procedure**

1. Go to Menu->Directory->Personal Address Book.



2. Highlight the desired contact, and then select **Option->Delete**.

The phone screen prompts the following warning:



3. Select **OK** to confirm the deletion.

# **Searching for Contacts**

### **Procedure**

- 1. Go to Menu->Directory.
- 2. Highlight Personal Address Book.



- 3. Select Search.
- 4. Enter the search criteria.

If you enter continuous numbers of the phone number, the IP phone will search the contacts according to the priority: business number>home number>mobile number.

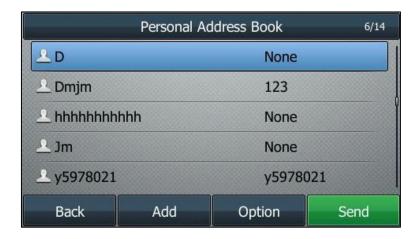


The contacts whose name or phone number matches the characters entered will appear on the phone screen.

# **Placing Calls to Contacts**

## **Procedure**

1. Go to Menu->Directory->Personal Address Book.



- 2. Highlight the desired contact, and then select **Send**.
  - If only one number for the contact is stored in the PAB, the contact number will be dialed out by using the default account.
  - If multiple numbers for the contact are stored in the PAB, highlight the desired number and select **Send**.



The contact number will be dialed out by using the default account.

You can also select **Account** and then select the desired account to dial out the number.

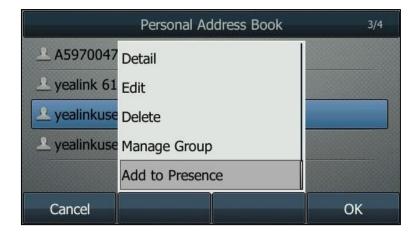


# **Saving PAB Contacts to Presence List**

You can add PAB contacts to the presence list.

### **Procedure**

- 1. Go to Menu->Directory->Personal Address Book.
- 2. Highlight the desired contact, and then select Option->Add to Presence.



The contact is added to the presence list successfully.

Repeat step 2 to add more PAB contacts to the presence list.

# **Using Ribbon E911**

With the E911 feature, you can set the phone's location for emergency calls on the phone. When you register a Ribbon account, the phone prompts you to set a location. After that, the location is stored on the phone. When making an emergency call, the caller's location information can be identified by the emergency operator. You can make an emergency call even if your phone keypad is locked.

### **Obtaining Location List from ProvServer**

When the phone's account is configured to retrieve E911 location information, the phone sends a service-package event SUBSCRIBE message to the server. The server then sends back a NOTIFY with the ProvServer URL in the message body. The phone can perform a SOAP request to the ProvServer for obtaining the location list. You can manually configure the period of the service-package event subscription.

### Example of a SUBSCRIBE message:

Via: SIP/2.0/UDP 10.81.24.115:5060;branch=z9hG4bK2093144611

From: "y5978025" <sip:y5978025@yealink.a2e01.gbiot>;tag=903318596

To: <sip:y5978025@yealink.a2e01.gbiot>;tag=3723864990-1759412320

Call-ID: 4\_3836799636@10.81.24.115

CSeq: 2 SUBSCRIBE

Contact: <sip:y5978025@10.81.24.115:5060>

Accept: application/com.nortelnetworks.applications.service-package+xml

Max-Forwards: 70

User-Agent: Yealink SIP-T46S 66.83.0.1

Supported: https Expires: 0

Event: service-package

Content-Length: 0

### Example of a NOTIFY message:

NOTIFY sip:y5978025@172.16.0.0:15234 SIP/2.0

Max-Forwards: 19

To: "y5978025" <sip:y5978025@yealink.a2e01.gbiot>;tag=2250208005

From: <sip:y5978025@yealink.a2e01.gbiot>;tag=3723865008-1425010731

Call-ID: 4\_1111674402@10.81.24.115

CSeq: 1 NOTIFY

Allow: PUBLISH, MESSAGE, UPDATE,

SUBSCRIBE, REFER, INFO, NOTIFY, REGISTER, OPTIONS, BYE, INVITE, ACK, CANCEL

Via: SIP/2.0/UDP 206.165.51.38:5060;branch=z9hG4bK3b40983916fc594fca1749c0bb190e53

Contact: <sip:y5978025@206.165.51.38:5060;maddr=206.165.51.38>

Event: service-package

Subscription-State: active; expires=118

Content-Type: application/com.nortelnetworks.applications.service-package+xml

Accept: application/com.nortelnetworks.applications.service-package+xml

User-Agent: Nortel SESM 18.0.30.1

Supported: com.nortelnetworks. firewall, p-3 rdparty control, no sec, join, x-nortel-sipvc, gin, com.nortelnetworks. im. encryption and the properties of the properties of

P-Charging-Vector: icid-value=Umnvveo-RB;icid-generated-at=206.165.51.38

Content-Length: 78

https://so-ott-pa8.genband.com:443/prov\_clientopi/services/ClientOPI?scope=all

### Adding Location ID to INVITE and REGISTER SIP Messages

Once the list of available locations is presented on the phone, and the user chooses an appropriate location based on the current physical location of the phone. This location ID is carried to send to the server in the INVITE and REGISTER SIP messages.

### Example of a REGISTER message:

REGISTER sip:yealink.a2e01.gbiot:5060 SIP/2.0

Via: SIP/2.0/UDP 10.81.6.14:5060;branch=z9hG4bK1351438644

From: "y5978025" <sip:y5978025@yealink.a2e01.gbiot:5060>;tag=3146142791

To: "y5978025" <sip:y5978025@yealink.a2e01.gbiot:5060>

Call-ID: 0\_3319694303@10.81.6.14

CSeq: 15 REGISTER

Contact: <sip:y5978025@10.81.6.14:5060>

Proxy-Authorization: Digest username="y5978025", realm="Realm",

nonce="MTUxNzk2NzY0NTYwNDljMjNhODc4MjRmNzA5Mzc0NWFhZml5NGU2ZWl4ZGl0",

uri="sip:yealink.a2e01.gbiot:5060", response="6363afdcba18998d69ade509a0e93320", algorithm=MD5,

cnonce="0a4f113b", qop=auth, nc=00000014

Allow: INVITE, INFO, PRACK, ACK, BYE, CANCEL, OPTIONS, NOTIFY, REGISTER, SUBSCRIBE, REFER, PUBLISH,

UPDATE, MESSAGE

Max-Forwards: 70

User-Agent: Yealink SIP-T46S 66.83.0.10

Expires: 0

Allow-Events: talk,hold,conference,refer,check-sync

X-Nt-Location: 284909 Content-Length: 0

## **Configuring E911 Feature**

### **Procedure**

1. Add/Edit E911 parameters in the configuration template files:

Parameters	Permitted Values	Default	1
dialplan.emergency.asserted_id_source	ELIN, CUSTOM or GENBAND	ELIN	

### Description:

Configures the precedence of the source of emergency outbound identities when placing an emergency call.

**ELIN**-The outbound identity used in the P-Asserted-Identity (PAI) header of the SIP INVITE request is taken from the network using an LLDP-MED Emergency Location Identifier Number (ELIN). The custom outbound identity configured by "dialplan.emergency.custom\_asserted\_id" will be used if the phone fails to get the LLDP-MED ELIN value.

**CUSTOM**-The custom outbound identity configured by "dialplan.emergency.custom\_asserted\_id" will be used; if "dialplan.emergency.custom\_asserted\_id" is left blank, the LLDP-MED ELIN value will be used.

**GENBAND**-Ribbon E911 feature is enabled, the X-Nt-Location header with a location ID (e.g., X-Nt-Location: 284909) will be added to the INVITE and REGISTER SIP messages.

**Note**: If the obtained LLDP-MED ELIN value is blank and no custom outbound identity, the PAI header will not be included in the SIP INVITE request.

dialplan.emergency.asserted_id.sip_account	Refer to the following content	1
--	--------------------------------	---

### Description:

Configures the Ribbon account to be used to retrieve E911 location information.

	Permitted Values	Default
Permitted Values:		
VP59/SIP-T58A/T57W/T54W/T48U/T48S/T46U/T46S: Integer from 1 to 16.		
SIP-T53W/T53/T53C/T43U/T42S: Integer from 1 to 12.		
SIP-T42U/T41S/T27G: Integer from 1 to 6. SIP-T33P/T33G: Integer from 1 to 4.		
SIP-T40P/T40G/T23P/T23G: Integer from 1 to 3.		
SIP-T31P/T31G/T31/T21(P) E2: Integer from 1 to 2.		
SIP-T30P/T30/T19(P) E2/CP920/CP960: 1.		
Note: It works only if "dialplan.emergency.asserted_id_source	ce" is set to GENBAND.	
dialplan.emergency.custom_asserted_id	10-25 digits, SIP URI, or TEL URI	Blank
Description:		
Configures the custom outbound identity when placing an er	mergency call.	
If you use a TEL URI (for example, tel:+16045558000), the full URI is included in the		
P-Asserted-Identity (PAI) header (for example, <tel:+16045558000>).</tel:+16045558000>		
If you use a SIP URI (for example, sip:1234567890123@abc.com), the full URI is included in the		
P-Asserted-Identity (PAI) header and the address will be rep	placed by the emergency	
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).</sip:1234567890123@emergency.com>		server (for
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456).</sip:1234567890123@emergency.com>	67890), the SIP URI con	server (for
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-A</sip:1234567890123@emergency.com>	67890), the SIP URI con	server (for
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	67890), the SIP URI con Asserted-Identity (PAI) h	server (for
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-vexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	67890), the SIP URI con	server (for
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address  (X ranges from 1 to 3)</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	67890), the SIP URI con Asserted-Identity (PAI) h	y server (for structed from t leader (for
P-Asserted-Identity (PAI) header and the address will be replexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address  (X ranges from 1 to 3)  Description:</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	67890), the SIP URI con Asserted-Identity (PAI) h IP address or domain name	y server (for structed from the structed from th
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-dexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	67890), the SIP URI con Asserted-Identity (PAI) h  IP address or domain name	y server (for structed from the seader (for Blank or routing calls.
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.  Note: If the account information has been configured (no material).</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	67890), the SIP URI con Asserted-Identity (PAI) h  IP address or domain name  by server X to be used for	structed from the structed from the seader (for Blank or routing calls. In registration
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency. Server. If the account information has been configured (no massucceeds or fails), the emergency calls will be dialed using the server.</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  ey server X to be used for atter whether the account he following priority: SIP	structed from the structed from the seader (for Blank or routing calls. In registration
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.  Note: If the account information has been configured (no massucceeds or fails), the emergency calls will be dialed using the server-emergency server; if not, the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the emergency server will interpretable to the server of the emergency server will interpretable to the emergency server will be discovered to the emergency se</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  by server X to be used for atter whether the accounthe following priority: SIP be used.	structed from the structed from the seader (for Blank or routing calls. In registration
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency. Server will be dialed using the server of the server of the emergency server will be dialplan.emergency. Server: if not, the emergency server will in the dialplan.emergency. Server. X.port</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  cy server X to be used for the following priority: SIP be used.  Integer from 1 to	structed from the structed from the seader (for Blank or routing calls. In registration
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.  Note: If the account information has been configured (no massucceeds or fails), the emergency calls will be dialed using the server-emergency server; if not, the emergency server will indialplan.emergency.server.X.port</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  by server X to be used for atter whether the accounthe following priority: SIP be used.	structed from the structed fro
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.server. If the account information has been configured (no massucceeds or fails), the emergency calls will be dialed using the server-emergency server; if not, the emergency server will indialplan.emergency.server.X.port (X ranges from 1 to 3)</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  cy server X to be used for the following priority: SIP be used.  Integer from 1 to	structed from the structed fro
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.server. If the account information has been configured (no massucceeds or fails), the emergency calls will be dialed using the server semergency server; if not, the emergency server will is dialplan.emergency.server.X.port  (X ranges from 1 to 3)  Description:</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  by server X to be used for atter whether the account he following priority: SIP be used.  Integer from 1 to 65535	structed from the structed from the seader (for Blank or routing calls. In registration
P-Asserted-Identity (PAI) header and the address will be repexample, <sip:1234567890123@emergency.com>).  If you use a number with 10 to 25 digits (for example, 123456 number and SIP server (e.g., abc.com) is included in the P-Aexample, <sip:1234567890@abc.com>).  dialplan.emergency.server.X.address (X ranges from 1 to 3)  Description:  Configures the IP address or domain name of the emergency.  Note: If the account information has been configured (no massucceeds or fails), the emergency calls will be dialed using the server-emergency server; if not, the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the server of the emergency server will interpretable to the emergency server will interpretable to the server of the emergency server will interpretable to the emergency server will be discovered to the emergency se</sip:1234567890@abc.com></sip:1234567890123@emergency.com>	IP address or domain name  by server X to be used for atter whether the account he following priority: SIP be used.  Integer from 1 to 65535	structed from the structed from the seader (for Blank or routing calls. In registration

(X ranges from 1 to 3)

Parameters	Permitted Values	Default
Description:		
Configures the transport protocol the IP phone uses to commun	nicate with the emerg	jency server X.
0-UDP		
1-TCP		
2-TLS		
3-DNS-NAPTR		
dialplan.emergency.X.value (X ranges from 1 to 255)	number or SIP URI	Refer to the following content

### Description:

Configures the emergency number to use on your IP phone so a caller can contact emergency services in the local area when required.

### Default:

When X = 1, the default value is 911;

When X = 2-255, the default value is Blank.

dialplan.emergency.X.server_priority	a combination	100
(X ranges from 1 to 255)	of digits 1, 2 and 3	1, 2, 3

### Description:

Configures the priority of which the emergency servers to be used first.

Multiple values are separated by commas. The servers to be used in the order listed (left to right).

The IP phone tries to make emergency calls using the emergency server with higher priority, and then with lower priority. The IP phone tries to send the INVITE request to each emergency server three times.

### Example:

dialplan.emergency.1.server\_priority = 2, 1, 3

It means the emergency calls will be dialed using the following priority: emergency server 2>emergency server 1>emergency server 3. The IP phone tries to send the INVITE request to each emergency server three times.

**Note**: If the account information has been configured (no matter whether the account registration succeeds or fails), the emergency calls will be dialed using the following priority: SIP server>emergency server; if not, the emergency server will be used.

account.X.blf.subscribe_period⊸	Integer from 30 to 2147483647	1800
Description:		

Parameters	Permitted Values	Default
------------	---------------------	---------

Configures the period (in seconds) of the service-package event subscription for obtaining the location list from ProvServer.

The IP phone can successfully refresh the SUBSCRIBE before the expiration of the SUBSCRIBE dialog.

<sup>[1]</sup>X is the account ID. For VP59/SIP-T58A/T57W/T54W/T48U/T48S/T46U/T46S, X=1-16; for SIP-T53W/T53/T53C/T43U/T42U/T42S, X=1-12; for SIP-T41S/T27G, X=1-6; for SIP-T33P/T33G: X=1-4; for SIP-T40P/T40G/T23P/T23G, X=1-3; for SIP-T31P/T31G/T31/T21(P) E2, X=1-2; for SIP-T30P/T30/T19(P) E2/CP920/CP960, X=1.

The following shows an example of emergency call parameters in the configuration file (e.g., y000000000066.cfg):

dialplan.emergency.asserted\_id\_source = GENBAND

dialplan.emergency.asserted\_id.sip\_account = 1

dialplan.emergency.1.value= 911

dialplan.emergency.server.1.address = 10.200.108.48

Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

## **Configuring Phone's Location**

### **Manually Setting the Phone's Location**

You can manually set your location for emergency calls on the phone.

### **Procedure**

1. Register your Ribbon account.

The phone displays a warning message "Set your location?" for 10 seconds.



2. Select **OK** to view the list of available locations got from the server.



If you select **Cancel** or the warning message disappears, proceed to Resetting the Phone's Location.

3. Select an appropriate location and then select **Next** to enter the tree navigation menu of the location.



4. Select Save.

Your location information is saved and displayed on the phone at the path **Menu->Basic->E911 Location**.



Note

If your location has not been set, the re-registering, rebooting, upgrading or subscription expiration will also lead to a warning message "Set your location?".

### **Resetting the Phone's Location**

If you want to reselect an address for the phone, for example, when the phone's location is changed, you can reset the phone's location.

### **Procedure**

- 1. Go to Menu->Basic->E911 Location.
- 2. Select Reset.



- 3. Select a location to the location tree navigation menu.
- 4. Select Save.

## **Using Ribbon Emergency Instant Messages**

Yealink IP phones can receive emergency instant text messages.

You can configure audio alerts for incoming instant messages and set the duration of time that emergency messages display.

## **Configuring the Emergency Instant Messages**

### **Procedure**

1. Add/Edit emergency instant messages parameters in the configuration template files:

Parameters	Permitted Values	Default
gb.emergency_instant_messages.enable	0 or 1	0

### Description:

Enables or disables the phone to display emergency instant messages.

0-Disabled

1-Enabled

	Integer from 0 to	
gb.emergency_instant_messages.displaytimeout	60	1

### Description:

Specifies the duration (in minutes) the emergency instant messages display.

If it is set to 0, the message prompt will not disappear automatically.

If it is set to other values, the message prompt will disappear automatically after the designated time.

The instant messages display until one of the following occurs:

• The user presses Cancel

Parameters Permitted Values
-----------------------------

- The user presses any key on the phone
- The phone goes off-hook
- Another instant message is received
- A popup message displays
- The phone receives an incoming call
- Timeout

Note: It works only if "gb.emergency\_instant\_messages.enable" is set to 1 (Enabled).

features.emergency_instant_messages.ring_type	Refer to the following	Splash.wav
	content	

### Description:

Configures the alert tone the phone plays when an emergency instant message is received.

### **Permitted Values:**

Ring1.wav, Ring2.wav, Ring3.wav, Ring4.wav, Ring5.wav, Ring6.wav, Ring7.wav, Ring8.wav, Silent.wav, Splash.wav or custom ring tone name (for example, CustomRingtone.wav).

The following shows an example of emergency instant messages parameters in the configuration file (e.g., y00000000066.cfg):

```
gb.emergency_instant_messages.enable = 1
gb.emergency_instant_messages.displaytimeout = 1
features.emergency_instant_messages.ring_type = Ring1.wav
```

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

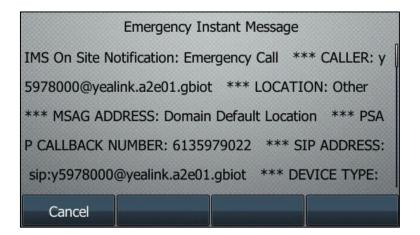
## **Viewing the Emergency Instant Messages**

When an emergency call is made, the Ribbon server sends the emergency instant text messages to the phone that is registered a special account. The phone displays the information pushed by the server and plays the pre-configured ring tone.

### Scenario

When someone places an emergency call, for example, calls 911, your phone immediately receives the emergency instant text messages, together with an audio alert.

The emergency instant text messages are displayed, as shown next:



# **Using Ribbon One-Touch Call Park and Retrieve**

When users register the account on the Kandy server, they can use a call park key for one-touch parking and retrieving.

This feature does not apply to T30P/T30/T19(P) E2/CP920 IP phones.

## **Configuring Call Park and Retrieve in FAC Mode**

### **Procedure**

1. Add/Edit call park and retrieve parameters in the configuration template files:

Parameters	Permitted Values	Default
features.call_park.park_mode	1 or 2	2
Description:		
Configures the call park mode.		
1-FAC, park a call through dialing the call park code.		
2-Transfer, blind transfer the call to a shared parking lot.		
features.call_park.enable	0 or 1	0
Description:		
Enables or disables the call park feature.		
<b>0</b> -Disabled		
1-Enabled		
features.call_park.park_code	String within 32 characters	Blank

Parameters	Permitted Values	Default
Description: Configures the call park code.		
features.call_park.park_retrieve_code	String within 32 characters	Blank
Description: Configures the park retrieve code.		

The following shows an example of call park and retrieve parameters in the configuration file (e.g., y000000000066.cfg):

features.call\_park.park\_mode = 1
features.call\_park.enable = 1
features.call\_park.park\_code = \*26

features.call\_park.park\_retrieve\_code = \*32

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

## **Configuring a Call Park Key**

## **Procedure**

1. Add/Edit call park key parameters in the configuration template files:

Parameters	Permitted Values	Default
linekey.X.type/ programablekey.X.type/ expansion_module.X.key.Y.type/	10	Refer to the following content

### **Description:**

Configures a DSS key X as a Call Park key on the IP phone.

The digit 10 stands for the key type Call Park.

For line keys:

X ranges from 1 to 30 (for CP960)

X ranges from 1 to 29 (for SIP-T57W/T48U/T48S)

X ranges from 1 to 27 (for VP59/SIP-T58A/T54W/T46U/T46S)

X ranges from 1 to 15 (for SIP-T42U/T42S/T41S)

Parameters	Permitted Values	Default
------------	---------------------	---------

X ranges from 1 to 21 (for SIP-T53W/T53/T53C/T43U/T27G)

X ranges from 1 to 12 (for SIP-T33P/T33G)

X ranges from 1 to 3 (for SIP-T40P/T40G/T23P/T23G)

X ranges from 1 to 2 (for SIP-T31P/T31G/T31/T21(P) E2)

For programmable keys:

X=1-3 (for CP960)

X=1-4, 12-14, 17-18 (for VP59/SIP-T58A/T57W)

X=1-10, 12-14, 17-18 (for SIP-T54W/T48U/T48S/T46U/T46S)

X=1-10, 13, 17-18 (for SIP-T53W/T53/T53C/T43U/T42U/T42S/T41S/T40P/T40G/T33P/T33G)

X=1-14, 17-18 (for SIP-T27G)

X=1-10, 14, 17-18 (for SIP-T23P/T23G/T21(P) E2)

X=1-9, 13, 14, 17-18 (T31P/T31G/T31)

For ext keys:

#### For SIP-T58A/T57W/T54W/T53W/T53/T53C/T48U/T46U/T43U:

X ranges from 1 to 3, Y ranges from 1 to 60.

### For SIP-T48S/T46S:

X ranges from 1 to 6, Y ranges from 1 to 40.

### For SIP-T27G:

X ranges from 1 to 6, Y ranges from 1 to 20, 22 to 40 (Ext key 21 cannot be configured).

### Default:

For line keys:

### For CP960 IP phones:

The default value of the line key 1 is 15, and the default value of the line key 2-30 is 0.

### For SIP-T57W/T48U/T48S IP phones:

The default value of the line key 1-16 is 15, and the default value of the line key 17-29 is 0.

### For VP59/SIP-T58A/T54W/T46U/T46S IP phones:

The default value of the line key 1-16 is 15, and the default value of the line key 17-27 is 0.

### For SIP-T53W/T53/T53C/T43U IP phones:

The default value of the line key 1-12 is 15, and the default value of the line key 13-21 is 0.

### For SIP-T42S IP phones:

The default value of the line key 1-12 is 15, and the default value of the line key 13-15 is 0.

### For SIP-T42U/T41S IP phones:

The default value of the line key 1-6 is 15, and the default value of the line key 7-15 is 0.

### For SIP-T27G IP phones:

The default value of the line key 1-6 is 15, and the default value of the line key 7-21 is 0.

Parameters	Permitted Values	Default
For SIP-T40P/T40G/T23P/T23G/T21(P) E2 IP phones:		
The default value is 15.		
For programmable keys:		
For CP960 IP phones:		
When X=1, the default value is 308 (Dial).		
When X=2, the default value is 29 (Directory).		
When X=3, the default value is 309 (Bluetooth).		
For VP59/SIP-T58A IP phones:		
When X=1-4/12/13, the default value is 0 (NA).		
When X=14, the default value is 2 (Forward).		
When X=17/18, the default value is 0 (NA).		
For SIP-T57W IP phones:		
When X=1, the default value is 28 (History).		
When X=2, the default value is 61 (Directory).		
When X=3, the default value is 5 (DND).		
When X=4, the default value is 30 (Menu).		
When X=12, the default value is 0 (NA).		
When X=13, the default value is 0 (NA).		
When X=14, the default value is 2 (Forward).		
When X=17/18, the default value is 0 (NA).		
For SIP-T54W/T48U/T48S/T46U/T46S IP phones:		
When X=1, the default value is 28 (History).		
When X=2, the default value is 61 (Directory).		
When X=3, the default value is 5 (DND).		
When X=4, the default value is 30 (Menu).		
When X=5, the default value is 28 (History).		
When X=6, the default value is 61 (Directory).		
When X=7, the default value is 51 (Switch Account Up).		
When X=8, the default value is 52 (Switch Account Down).		
When X=9, the default value is 33 (Status).		
When X=10, the default value is 0 (NA).		
When X=12, the default value is 0 (NA).		
When X=13, the default value is 0 (NA).		
When X=14, the default value is 2 (Forward).		
When X=17/18, the default value is 0 (NA).		

Parameters	Permitted Values	Default
For SIP-T53W/T53/T53C/T43U/T42U/T42S/T41S/T40P/T40G/	T33P/T33G IP phon	es:
When X=1, the default value is 28 (History).		
When X=2, the default value is 61 (Directory).		
When X=3, the default value is 5 (DND).		
When X=4, the default value is 30 (Menu).		
When X=5, the default value is 28 (History).		
When X=6, the default value is 61 (Directory).		
When X=7, the default value is 51 (Switch Account Up).		
When X=8, the default value is 52 (Switch Account Down).		
When X=9, the default value is 33 (Status).		
When X=10/13/17/18, the default value is 0 (NA).		
For SIP-T27G IP phones:		
When X=1, the default value is 28 (History).		
When X=2, the default value is 61 (Directory).		
When X=3, the default value is 5 (DND).		
When X=4, the default value is 30 (Menu).		
When X=5, the default value is 28 (History).		
When X=6, the default value is 61 (Directory).		
When X=7, the default value is 51 (Switch Account Up).		
When X=8, the default value is 52 (Switch Account Down).		
When X=9, the default value is 33 (Status).		
When X=10, the default value is 0 (NA).		
When X=11, the default value is 0 (NA).		
When X=12, the default value is 0 (NA).		
When X=13, the default value is 0 (NA).		
When X=14, the default value is 2 (Forward).		
When X=17/18, the default value is 0 (NA).		
For SIP-T23P/T23G/T21(P) E2 IP phones:		
When X=1, the default value is 28 (History).		
When X=2, the default value is 61 (Directory).		
When X=3, the default value is 5 (DND).		
When X=4, the default value is 30 (Menu).		
When X=5, the default value is 28 (History).		
When X=6, the default value is 61 (Directory).		
When X=7, the default value is 51 (Switch Account Up).		

	sing Kibbon Features (	on reality it infolit
Parameters	Permitted Values	Default
When X=8, the default value is 52 (Switch Account Down).		
When X=9, the default value is 33 (Status).		
When X=10, the default value is 0 (NA).		
When X=14, the default value is 2 (Forward).		
When X=17/18, the default value is 0 (NA).		
For SIP-T31P/T31G/T31/T31P/T31G/T31 IP phones:		
When X=1, the default value is 28 (History).		
When X=2, the default value is 61 (Directory).		
When X=3, the default value is 5 (DND).		
When X=4, the default value is 30 (Menu).		
When X=5, the default value is 28 (History).		
When X=6, the default value is 61 (Directory).		
When X=7, the default value is 0 (NA).		
When X=8, the default value is 0 (NA).		
When X=9, the default value is 33 (Status).		
When X=13, the default value is 0 (NA).		
When X=14, the default value is 2 (Forward).		
When X=17/18, the default value is 0 (NA).		
For ext keys:		
For SIP-T58A/T57W/T54W/T53W/T53/T53C/T48U/T46U/T43U	:	
When Y= 1 to 60, the default value is 0 (NA).		
For SIP-T48S/T46S:		
When Y= 1 to 40, the default value is 0 (NA).		
For SIP-T27G:		
When Y= 1, 21, the default value is 37 (Switch).		
When Y = 2 to 20, 22 to 40, the default value is 0 (NA).		
linekey.X.value/ programablekey.X.value/	String within 99	Disasta

linekey.X.value/ programablekey.X.value/	String within 99	Blank
expansion_module.X.key.Y.value	characters	Diank

## Description:

Configures the shared parking lot you want to park the call to.

### For line keys:

X ranges from 1 to 30 (for CP960)

X ranges from 1 to 29 (for SIP-T57W/T48U/T48S)

X ranges from 1 to 27 (for VP59/SIP-T58A/T54W/T46U/T46S)

Parameters	Permitted Values	Default
------------	---------------------	---------

X ranges from 1 to 15 (for SIP-T42U/T42S/T41S)

X ranges from 1 to 21 (for SIP-T53W/T53/T53C/T43U/T27G)

X ranges from 1 to 12 (for SIP-T33P/T33G)

X ranges from 1 to 3 (for SIP-T40P/T40G/T23P/T23G)

X ranges from 1 to 2 (for SIP-T31P/T31G/T31/T21(P) E2)

### For programmable keys:

X=1-3 (for CP960)

X=1-4, 12-14, 17-18 (for VP59/SIP-T58A/T57W)

X=1-10, 12-14, 17-18 (for SIP-T54W/T48U/T48S/T46U/T46S)

X=1-10, 13, 17-18 (for SIP-T53W/T53/T53C/T43U/T42U/T42S/T41S/T40P/T40G/T33P/T33G)

X=1-14, 17-18 (for SIP-T27G)

X=1-10, 14, 17-18 (for SIP-T23P/T23G/T21(P) E2)

X=1-9, 13, 14, 17-18 (T31P/T31G/T31)

### For ext keys:

For SIP-T58A/T57W/T54W/T53W/T53/T53C/T48U/T46U/T43U:

X ranges from 1 to 3, Y ranges from 1 to 60.

For SIP-T48S/T46S:

X ranges from 1 to 6, Y ranges from 1 to 40.

For SIP-T27G:

X ranges from 1 to 6, Y ranges from 1 to 20, 22 to 40 (Ext key 21 cannot be configured).

linekey.X.label/ programablekey.X.label/	String within 99	Blank
expansion_module.X.key.Y.label	characters	Dialik

(Optional.) Configures the label displaying on the LCD screen for each dsskey.

### For line keys:

X ranges from 1 to 30 (for CP960)

X ranges from 1 to 29 (for SIP-T57W/T48U/T48S)

X ranges from 1 to 27 (for VP59/SIP-T58A/T54W/T46U/T46S)

X ranges from 1 to 15 (for SIP-T42U/T42S/T41S)

X ranges from 1 to 21 (for SIP-T53W/T53/T53C/T43U/T27G)

X ranges from 1 to 12 (for SIP-T33P/T33G)

X ranges from 1 to 3 (for SIP-T40P/T40G/T23P/T23G)

X ranges from 1 to 2 (for SIP-T31P/T31G/T31/T21(P) E2)

### For programmable keys:

X ranges from 1 to 4.

### For ext keys:

Davamatava	Permitted	Defect
Parameters	Values	Default

For SIP-T58A/T57W/T54W/T53W/T53/T53C/T48U/T46U/T43U:

X ranges from 1 to 3, Y ranges from 1 to 60.

For SIP-T48S/T46S:

X ranges from 1 to 6, Y ranges from 1 to 40.

For SIP-T27G:

X ranges from 1 to 6, Y ranges from 1 to 20, 22 to 40 (Ext key 21 cannot be configured).

The following shows an example of call park key parameters in the configuration file (e.g., y000000000066.cfg):

linekey.2.type = 10

linekey.2.value = 61255500026

linekey.2.label = Call Park

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

## **Using One-touch Call Park and Retrieve**

## Parking a Call Using a Call Park Key

You can use the Call Park key to park a call to the parking lot quickly.

### **Procedure**

1. Press the Call Park key during the call.

The phone dials the configured call park code and the parking lot.



If the call is parked successfully, you will hear a voice prompt confirming that the call is parked.



## Retrieving a Parked Call Using a Call Park Key

You can use the Call Park key to retrieve a parked call quickly.

### **Procedure**

Press the Call Park key in the idle screen.
 The phone dials the configured park retrieve code and the parking lot.



If the parked call is retrieved successfully, you will be connected with the parked user.



If the parked call is not retrieved within a period of time assigned by the Kandy server, the phone performing call park will receive a callback.

## **Using Ribbon Hot Desking/Hoteling**

When users register the account on the Kandy server, they can log into a guest profile to use any available shared phone. After logging in, users have access to their guest profile and settings on the shared phone.

# **Configuring Hot Desking/Hoteling Feature**

## **Procedure**

1. Add/Edit hot desking/hoteling parameters in the configuration template files:

Parameters	Permitted Values	Default
static.auto_provision.server.url	URL within 511 characters	Blank
Description:		
Configures the access URL of the provisioning server.		
static.auto_provision.server.username	String within 32 characters	Blank
Description:		
Configures the user name for provisioning server access.		
static.auto_provision.server.password	String within 32 characters	Blank
Description:		
Configures the password for provisioning server access.		
static.auto_provision.url_change_reautop.enable	0 or 1	0
Description:		
Enables or disables the IP phone to perform auto provisioning a provisioning URL.	immediately once the	phone receives
<b>0</b> -Disabled		
1-Enabled		
static.auto_provision.power_on	0 or 1	1
Description:		
Triggers the power on feature to on or off.		
<b>0</b> -Off		
1-On, the phone performs auto provisioning when powered on	<u> </u>	
hoteling.http_request_server	String	Blank
Description:		
Specifies a URL for the users to log in/log out of the shared ph	one.	

Parameters	Permitted Values	Default
	values	

Yealink phones support wildcard characters in the URL. The wildcard characters are used with angle brackets.

Valid wildcard characters:

- \$mac: it will be dynamically replaced with the phone's MAC address.
- \$model: it will be dynamically replaced with the phone's model name.
- \$loginuser: it will be dynamically replaced with the authentication user ID.
- \$loginpassword: it will be dynamically replaced with the authentication password.

**Note**: The values of the **\$loginuser** and **loginpassword** are determined by the value "hoteling authentication mode".

hoteling.http_request_mode	0, 1 or 2	0
noteling.mtp_request_mode	0, 1 01 2	ı

### Description:

Configures the request mode of the URL for logging in/logging out of the shared phone.

- **0-**When logging in/logging out, the phone adds the suffix **?login/?logout** to the configured URL by "hoteling.http\_request\_server".
- 1-The phone requests using the custom URL configured by "hoteling.http\_request\_server".
- 2-When the URL configured by "hoteling.http\_request\_server" does not contain a protocol http:// or https:// or tftp:// or ftp://, the phone will request the CFG file using the full path constituted by "static.auto\_provision.server.url" and "hoteling.http\_request\_server"; when the URL contains a protocol http:// or https:// or tftp:// or ftp://, the phone will request this configured URL directly. The phone clears all non-static configurations when the user logs in/logs out.

hoteling.authentication_mode	0, 1 or 2	0
------------------------------	-----------	---

### Description:

Configures the XML browser hoteling authentication mode.

- **0**-The phone uses the hoteling user ID and password as authentication credentials.
- 1-The phone uses the provisioning user name and password as authentication credentials, and at the same time provides the hoteling user ID and password in the payload of the message for authentication credentials.
- **2**-The phone uses the provisioning user name and password as authentication credentials, but uses the entered hoteling user ID and password to replace the wildcard characters in the request URL configured by "hoteling.http\_request\_server".

hoteling.password	String	Blank
Description:		
Configures the password used to log into the guest profile.		

Parameters	Permitted Values	Default
hoteling.user_status	0 or 1	0
Description:		
Defines the current status of the hoteling user.		
<b>0</b> -Logout		
1-Login		
hoteling.persistent_login	0, 1 or 2	1
Description:		
Configures whether the user automatically logs out after phone	reboots.	
<b>0</b> -After reboot, the phone will ask for a logout or not.		
1-After reboot, the phone will be triggered to automatically log in	n again.	
2-After reboot, the phone is still in the "Login" status.		
hoteling.login_status.flash_time	0, Integer from 3600 to 129600	3600
Description:		
Configures the number of seconds to wait while the user logs in	before the phone re	gularly updates
the status.		
Note: It works only if "hoteling.user_status" is set to 1 (Login).		
hoteling.only_authorized_call.enable	0 or 1	0
Description:		
Enables or disables the phone to only make emergency calls or	r dial the pre-configu	red authorized
numbers when the user does not log in.		
<b>0</b> -Disabled		
1-Enabled		
hoteling.authorized_call.X.value	Number/SIP	Blank
(X ranges from 1 to 10)	URI,Label	Diank
Description:		
Configures the authorized outgoing number and label.		
dialplan.emergency.enable	0 or 1	1
Description:		

Parameters	Permitted Values	Default
Enables or disables the Emergency dialplan feature.		
dialplan.emergency.X.value (X ranges from 1 to 255)	number or SIP URI	Refer to the following content

### **Description:**

Configures the emergency number to use on your IP phone so a caller can contact emergency services in the local area when required.

### Default:

When X = 1, the default value is 911;

When X = 2-255, the default value is Blank.

local_contact.data.delete	String	Blank
---------------------------	--------	-------

### Description:

Deletes all local contacts.

### Example:

local\_contact.data.delete = http://localhost/all

hoteling.log_out_prompt.time	Integer	Blank
------------------------------	---------	-------

### Description:

Configures the time (in minutes) to wait in the idle state before the phone prompts users to log out of the shared phone.

Multiple values are separated by commas.

If it is left blank, no Logout prompt will be displayed.

### Example:

hoteling.log\_out\_prompt.time = 10,20, will cause the phone to prompt after the phone is in the idle state for 10 minutes and 20 minutes.

hoteling.log_out_prompt.duration	Integer from 0 to	0
notening.log_out_prompt.duration	1440	

### **Description:**

Specifies the duration (in seconds) that the Logout prompt is displayed.

If it is set to 0, the Logout prompt will not automatically disappear, users need to manually log out of the shared phone.

If it is set to other values, users will automatically log out of the shared phone when there are no activities within the prompt duration.

Parameters	Permitted Values	Default
static.auto_provision.allsettings.sync	0 or 1	0

### Description:

Enables or disables the phone to upload the mac-all.cfg file to the server.

0-Disabled

1-Enabled

static.auto_provision.allsettings.sync.path	String	Blank
---	--------	-------

### **Description:**

Specifies the path for uploading the mac-all.cfg file.

#### Example:

static.auto\_provision.allsettings.sync.path = https://192.168.1.100/hotdesking.cfg

The phone uploads the cfg file to 192.168.1.100 and names it hotdesking.cfg; and it also requests the hotdesking.cfg file when downloading synchronously.

Note: It works only if "static.auto\_provision.allsettings.sync" is set to 1 (Enabled).

The following shows an example of hot desking/hoteling parameters in the configuration files:

### #configuration in the <MAC>.cfg file

static.auto\_provision.server.url = http://10.82.24.69:8080/Kandy/

static.auto\_provision.server.username = user

static.auto\_provision.server.password = password

static.auto\_provision.url\_change\_reautop.enable = 0

static.auto\_provision.power\_on = 0

hoteling.http\_request\_server = <\$loginuser.cfg>

hoteling.http\_request\_mode = 2

hoteling.password = 123456

hoteling.user\_status = 0

hoteling.persistent\_login = 2

hoteling.login\_status.flash\_time = 0

hoteling.only\_authorized\_call.enable = 1

hoteling.authorized\_call.1.value = 9726843001,Emergency1

hoteling.authorized\_call.2.value = 9726843002@emnuvia.com,Emergency2

hoteling.authorized\_call.3.value = 1902,Emergency3

hoteling.authorized\_call.4.value = 1903,Emergency4

hoteling.authorized\_call.5.value = 1904,Emergency5

hoteling.authorized\_call.6.value = 1905,Emergency6

 $hoteling.authorized\_call.7.value = 1906, Emergency7$ 

```
hoteling.authorized_call.8.value = 1907,Emergency8
hoteling.authorized_call.9.value = 1908,Emergency9
hoteling.authorized_call.10.value = 1909,Emergency10
dialplan.emergency.enable = 1
dialplan.emergency.1.value = 911@emnuvia.com
hoteling.authentication_mode = 2
```

### #configuration in the account.cfg file

```
hoteling.http_request_mode = 2
hoteling.http_request_server = <$mac.cfg>
hoteling.user_status = 1
hoteling.log_out_prompt.duration = 10
hoteling.persistent_login = 0
hoteling.log_out_prompt.time = 10,20
static.auto_provision.server.url = http://10.82.24.69:8080/Kandy/auto_provision.server.username = user
auto_provision.server.password = password
auto_provision.url_change_reautop.enable = 0
static.auto_provision.power_on = 0
hoteling.authentication_mode = 2
```

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

## **Using Hot Desking/Hoteling**

hoteling.password = 1234

Once you enable the Hoteling enhancement on a phone, you can share the phone with different users, who can log in to and out of guest profiles on the phone. This section shows you how to log in to a guest profile on a shared phone when Hoteling is enabled

## Log in to a Shared Phone

### **Procedure**

1. Select Login, as shown next.

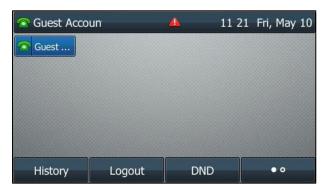


2. Enter your user ID and password, and select Login.

The Guest Login screen is displayed, as shown next.



The phone will verify your login credentials with the Kandy server. After successful verification, the phone will display your guest profile, as shown next.



## Log out of a Shared Phone

## **Procedure**

- 1. Do one of the following:
  - In the idle screen, select **Logout**, as shown next.



• When the Logout prompt appears, select **OK**, as shown next.



Note

If there are no activities within the prompt duration, the phone will automatically log out of the shared phone.

After logging out, your phone will display the host profile.



## **Placing an Authorized Call**

You can only make emergency calls or dial the pre-configured authorized numbers before you log in.

### **Procedure**

- 1. Do one of the following:
  - Select the desired line key.
  - Pick up the handset, press the Speakerphone key or the HEADSET key.
- 2. Select an authorized number in the authorized number list or enter an emergency number.



### 3. Select Send.



# **Using Ribbon Presence**

By adding GAB/PAB contacts to a presence list, users can monitor changes in the status of GAB/PAB contacts in real time.

The IP phone synchronizes the presence status with that on the soft client. The presence status of each contact in the presence list can be also displayed real timely and synchronously.

This feature is only applicable to color-screen phones.

## **Configuring Presence Feature**

### **Procedure**

1. Add/Edit presence parameters in the configuration template files:

Parameters	Permitted Values	Default
gb.presence.enable	0 or 1	0
Description:	·	
Enables or disables the presence feature.		
<b>0-</b> Disabled		

1-Enabled

Parameters	Permitted Values	Default
gb.presence.line	Refer to the following content	1

### Description:

Configures the line the phone uses to subscribe to the presence state.

### **Permitted Values:**

VP59/T58A/T57W/T54W/T48U/T48S/T46U/T46S: 1-16;

T53W/T53/T53C/T43U/T42U/T42S: 1-12;

T41S/T27G: 1-6;

T33P/T33G: 1-4;

T40P/T40G/T23P/T23G: 1-3;

T31P/T31G/T31/T21(P) E2: 1-2;

T30P/T30/T19(P) E2/CP920/CP960: 1.

directory_setting.presence_list.enable	0 or 1	1
--	--------	---

### **Description:**

Enables or disables the users to access the presence list by pressing the **Directory** soft key/tapping the directory icon.

0-Disabled

1-Enabled

directory_setting.presence_list.priority	Integer greater than or equal to 0	18
--	--	----

### **Description:**

Configures the display priority of the Presence List.

The following shows an example of presence parameters in the configuration files:

gb.presence.enable = 1

gb.presence.line = 3

2. Upload the configuration file to the root directory of the provisioning server and perform auto provisioning to configure the Yealink IP phones.

For more information on auto provisioning, refer to the latest Auto Provisioning Guide for your phone on Yealink Technical Support.

### **Presence Icons and Statuses**

The presence icons and the corresponding statuses are listed as below:

Presence Icon	Presence Status	
VP59/T58A/CP960/T57W/T54W/T53C/T48U/T48S/T46U/T46S		
	Available	
	Busy	
<u>C</u>	Away	
8	Offline/Unavailable	

## **Using Presence List**

The presence list supports up to 100 GAB/PAB contacts.

## **Viewing the GAB/PAB Contacts Status**

### **Procedure**

1. Go to Directory->Presence List or Menu->Directory->Presence List.

The phone screen will display all contacts in the presence list.

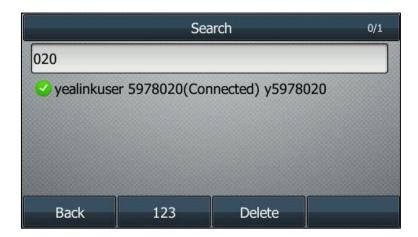
In the example below, 5978003 is unavailable, 5978012 is offline, and 5978020 is available. For more information on presence icons and statuses, refer to Presence Icons and Statuses.



## **Searching for Contacts in the Presence List**

### **Procedure**

- 1. Go to Directory->Presence List or Menu->Directory->Presence List.
- 2. Select Search.
- 3. Enter the search criteria.



The contacts whose name or phone number matches the characters entered will appear on the phone screen.

## Placing a Call from the Presence List

### **Procedure**

1. Go to Directory->Presence List or Menu->Directory->Presence List.

The phone screen will display all contacts in the presence list.



- 2. Highlight the desired contact, and then select **Send**.
- If only one number for the contact is stored in the list, the contact number will be dialed out by using the default account.
- If multiple numbers for the contact are stored in the list, highlight the desired number and select **Send**.

The contact number will be dialed out by using the default account.

You can also select Account and then select the desired account to dial out the number.

## **Removing Contacts from the Presence List**

## **Procedure**

- 1. Go to Directory->Presence List or Menu->Directory->Presence List.
- 2. Highlight the desired contact, and then select **Option->Remove**.

The phone screen prompts the following warning:



3. Select OK to confirm.

To remove all contacts from the list, select Option->Remove All.