# Yealink



# Yealink Color-screen Expansion Module EXP50 User Guide

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This Class [B] digital apparatus complies with Canadian ICES-003 Rules.

#### Part 15 FCC Rules

This device is compliant with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received, including interference that may cause undesired operation.

#### **Class B Digital Device or Peripheral**

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio/TV technician for help.

## **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.

## **Customer Feedback**

We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to DocsFeedback@yealink.com.

## **About This Guide**

Thank you for choosing the Yealink color-screen expansion module EXP50. The EXP50 is designed to improve the power and the flexibility of the advanced Yealink SIP-T52S, SIP-T54S, SIP-T56A, SIP-T58A and SIP-T58V media IP phones. It features a large graphic color LCD screen. Each EXP50 color-screen expansion module provides 20 physical keys with dual-color LEDs and three display pages, supporting a total of 60 keys. Up to three color-screen expansion modules can be daisy-chained to a single SIP-T52S/T54S/T56A/T58A/T58V host phone, offering a maximum of 180 Ext keys per phone.

The Yealink EXP50 is ideal for receptionists, administrative assistants, call center agents, power-users, and executives who need to monitor and manage a large volume of calls on a regular basis.

This guide provides everything you need to quickly set up and use the EXP50 color-screen expansion module. Be sure to read the Packaging Contents in this guide before you set up and use your color-screen expansion module. This guide takes the working together of the Yealink SIP-T54S IP phone running firmware version 81 and the Yealink EXP50 color-screen expansion module as an example for reference.

## **In This Guide**

The topics provided in this guide include:

- Chapter 1 Getting Started
- Chapter 2 Customizing the Yealink EXP50 Color-screen Expansion Module
- Chapter 3 Configuring the Yealink EXP50 Color-screen Expansion Module
- Chapter 4 Using the Yealink EXP50 Color-screen Expansion Module

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## **Getting Started**

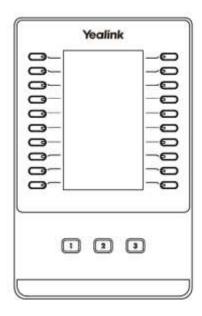
This chapter provides basic installation instructions and information for obtaining the best performance with the EXP50 color-screen expansion module. The topics include:

- Packaging Contents
- Physical Features
- Icon Instructions
- LED Instructions
- Installation
- Startup

## **Packaging Contents**

The following items are included in your package:

• Expansion Module



Stand



#### • Connecting Sheet



• USB Cable (USB 2.0)



One Screw

(Annound

• Screwdriver



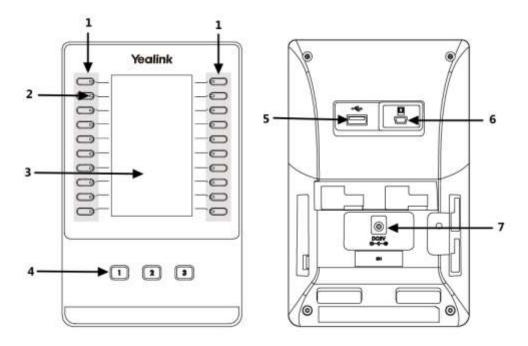
• Quick Start Guide



Check the list before installation. If you find anything missing, contact your reseller.

## **Physical Features**

The main physical features of the EXP50 color-screen expansion module are color LCD screen, Ext keys, LED indicators, USB jack, Mini USB jack and power interface.



The main physical features of the EXP50 color-screen expansion module are described as below:

	Item	Description
1	Ext Keys	Assign various features to these keys.
2	LED Indicators	Indicate the Ext key status. For more information, refer to LED Instructions on page 8.
3	Color LCD Screen	Shows key feature label and key feature icon. For more information, refer to Icon Instructions on page 4.
4	Page Keys	Press these keys to navigate to corresponding page to view additional keys.
5	USB Jack	<ul> <li>Connects the supplied cable to the Mini USB jack on the next expansion module.</li> <li>Connects the Wi-Fi USB dongle WF40, USB headset or USB flash drive.</li> </ul>
6	Mini Jack	Connects the supplied cable to the USB jack on the host phone or to the USB jack on the prior expansion module.
7	Power Interface	Connects a power adapter to the expansion module. When more than two expansion modules are connected to a single host phone, you need to connect a power adapter to any one of the expansion modules.

## **Icon Instructions**

Icon indicator	(associated with	line key features)
----------------	------------------	--------------------

Icons	Description
(m)	Hold
	Private Hold
-	DND
00	Voice Mail
$\geq$	SMS
Q	Direct Pickup
Q	Group Pickup
3	DTMF Prefix
4	Local Group XML Group LDAP
Ś	XML Browser
Ŗ	Conference
¢.	Forward
GC	Transfer
	ReCall
$\bigcirc$	Record URL Record
۲	Recording starts successfully (Record/URL Record)
D	Multicast Paging Group Listening Paging List
	Hot Desking
Ť	Zero Touch

Icons	Description
UR.	URL
	Phone Lock
9	Directory
333	Speed Dial

Icon indicator (associated with line)

Icons	Description
•	The private line registers successfully
2	The shared/bridged line registers successfully
1	Registering
6	Register failed
*	DND is enabled on this line
1	Call forward is enabled on this line

Icon indicator (associated with call park/retrieve park)

Icons	Description
\$	Call Park (Park successfully; Call park idle state)
ę	Call Park (Park failed)
હ	Call Park (Call park ringing state)
Ì	Retrieve Park

Icon indicator (associated with ACD)

Icon	Description
뒨	Logged in the ACD system

Icon	Description
2	The ACD status is available
	The ACD state is Wrap up
-P La	The ACD status is unavailable
ß	Logged out of the ACD system

Icon indicator (associated with intercom)

Icons	Description
	Intercom idle state
	Intercom ringing state
	Intercom callout/talking state
ла В	Intercom failed state

Icon indicator (associated with BLF/BLF List)

Icons	Description
1	BLF/BLF List idle state
2,	BLF/BLF list ringing state
2,	BLF/BLF list callout state
1	BLF/BLF list talking state
2.	BLF hold state
<u> </u>	BLF list call park state
<u>9</u> .	BLF/BLF List failed state

#### Icon indicator (associated with a 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.

Icon	Description
2	The shared line is idle.
(for monitoring SCA phone)	The shared line is seized.
2	The shared line receives an incoming call.
9.	The shared line is dialing.
9	The shared line is in conversation.
3	The shared line conversation is placed on public hold.
(for local SCA phone) (for monitoring SCA phone)	The shared line conversation is placed on private hold.
R	The shared line conversation is barged in by the other shared line party.
R	For a multi-party call, all the shared line parties participating in this call place the shared line conversation on hold.

#### Icon indicator (associated with a bridged line)

The local BLA phone indicates the phone is involved in a BLA call, while the monitoring BLA phone indicates the phone is not involved in the BLA call.

Icon	Description
2	The bridged line is idle.
(for monitoring BLA phone)	The bridged line is seized.
9.	The bridged line receives an incoming call.
9.	The bridged line is dialing.
9	The bridged line is in conversation.
9.	The bridged line conversation is placed on hold.

## **LED Instructions**

#### Page key LED

LED Status	Description
Solid green	Current page.
Off	Non-current page.
Fast-flashing Red	The BLF monitored user receives an incoming call on the
rast-hashing reu	non-current page.

Ext key LED (configured as a line key)

LED Status	Description
Solid groop	The line is in conversation.
Solid green	The line is seized.
Fast-flashing green	The line receives an incoming call.
Slow-flashing green	The call is placed on hold.
Off	The line is inactive.

Ext key LED (configured as a Forward key with a value (destination number))

LED Status	Description
Solid green	The always forward feature is activated.
Off	The always forward feature is deactivated.

Note

If the value (the destination number) is not configured for a Forward key, the key LED will solid green when the always/busy/no answer forward feature is activated. It is off when the always/busy/no answer forward feature is deactivated.

Ext key LED (configured as a BLF key)

LED Status	Description
Solid green	The monitored user is idle.
Fast-flashing red	The monitored user receives an incoming call.
Solid red	The monitored user is talking. The monitored user's conversation is placed on hold. The monitored user is dialing. The call is parked against the monitored user's phone number.
Off	The monitored user does not exist.

## **Installation**

The EXP50 color-screen expansion module applies to Yealink T52S/T54S/T56A/T58A/T58V media IP phones. To easily connect the EXP50 to the phone, please unplug the phone stand from the IP phone.

Note

Up to three expansion modules can be connected to a media IP phone.

#### To unplug the stand from the IP phone:

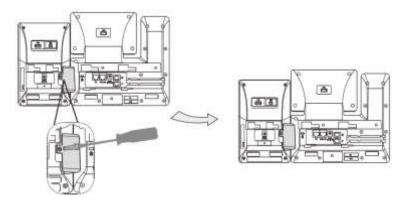
- **1.** Unplug the power adapter and Ethernet cable from the IP phone.
- 2. Unplug the handset attached to the IP phone.
- 3. Turn the IP phone over and lay it on a non-slip, flat surface.
- 4. Unplug the stand from the IP phone.

#### To connect the EXP50 color-screen expansion module:

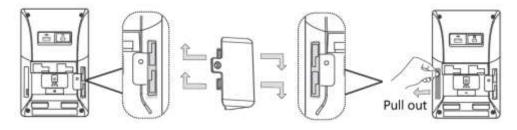
- **1.** Turn over the phone and expansion module, and lay them on a flat, non-flat, non-slip surface.
- 2. (Optional.) The slots of IP phone may be plugged up by silica gel. You can pull out the silica

gel.

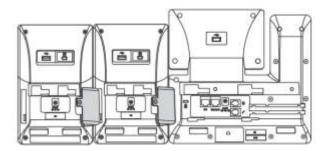
**3.** Connect the EXP50 color-screen expansion module and the IP phone using the supplied connecting sheet and screw.



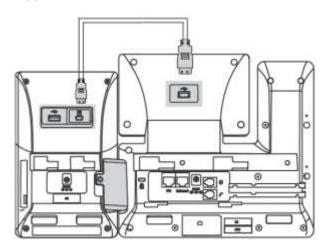
If you want to connect two or more expansion modules, pull out the silica gel and connect two expansion modules as below.

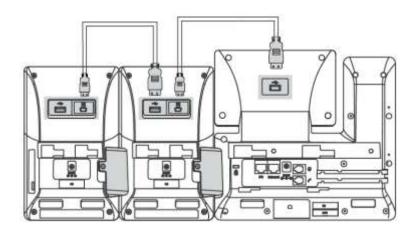


Connecting two expansion modules on a single host phone is shown as below:



**4.** Connect the USB jack on the host phone and the mini USB jack on the expansion module using one supplied cable.





If you connect two expansion modules, connect the USB jack on the prior expansion module and the mini USB jack on the next expansion module using another supplied cable. Connecting two expansion modules on a single host phone is shown as below:

Note

Power is automatically transferred from the host phone to the expansion module(s) upon connection. If you want to use more than one expansion modules on a single phone, you need to connect an additional Yealink power adapter (5V/2A) to any one of the expansion modules.

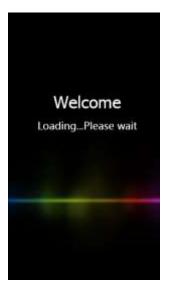
The power adapter should be purchase separately.

#### To attach the stand of the expansion module:

ΠĽ mmmmmm Desk Mount Method

## Startup

After the EXP50 color-screen expansion module is powered on, the LCD screen of the EXP50 color-screen expansion module will display "Welcome Loading...Please wait".



After a short time, the loading screen will disappear, and then you can assign the desired feature to the EXP50 color-screen expansion module.

# Customizing the Yealink EXP50 Color-screen Expansion Module

You can customize EXP50 color-screen expansion module by personally configuring certain settings.

This chapter provides basic operating instructions for customizing EXP50 color-screen expansion module. Topics include:

- Wallpaper
- Screen Saver
- Power Saving
- Adjusting the Backlight

## Wallpaper

You can customize the wallpaper expansion module EXP50 when connected to the media IP phone. The wallpaper can be changed via host phone user interface or web user interface. You can use a picture that is stored on your USB flash drives as wallpaper on your phone. When you set one of your pictures as the wallpaper, the picture will display on the wallpaper list. You can only upload custom pictures as wallpaper images via web user interface.

## **Uploading the Custom Pictures**

The color-screen expansion module EXP50 supports the file format of pictures in the following table:

Format	Resolution	File Size		
*.jpg/*.png/*.bmp/*.jpeg	≪4.2 megapixels	2MB of space should be reserved for the		
.jpg/ .png/ .bmp/ .jpeg		phone		

You can upload the custom picture via web user interface.

#### To upload the custom picture via web user interface:

1. Click on Settings->Preference.

 In the Upload Wallpaper(480\*272) field, click Browse to select the desired picture from your local system.

ealink	Status	Account	Network	Dsskey	Featu	res	Settings	Directory	Security
Preference	U	w Dislpad		Deabled	•	0		NOTE	
Time & Date	37	ter Digit Time(1-14)	Q.	4		0		Live Dialpad	
	Tr	anaparency.		100%	•	0		It above IP phy	
Call Display		used BackLight		1.04		0		automytically dial out entered phone numb	number after
Opprade	Ac.	tive Backlight Level		1		0		specified perior	d of time.
Auto Provision	84	cklight Time(wcond	e l	Always On		0		Backlight Specifies the b LCD acreen dis	rightness of the
Configuration	w	atch Dog		Deabled	•	0		Contrast	amk-
	fit:	а Туре		Regi.wav		0		Specifies the c	
Dial Plan	54	Arad Fingtone		Browse	No file select	ed.:	0	LCD screen dis	
Voke				Upload	Cancel	1		A ring bane the	at will alert you mes in for the D
Ring	w	alpaper		Default.jpg		0		phane.	
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surfacey Layout				Upload	Cancel	1			
THEFT	50	beensaver Walt Time		Never		0	19		
Voice Monitoring	Sc	neemaker Display Co	idi	Enabled		0			
STP	50	Semarater Type		Suttern	-	0			

#### 3. Click **Upload** to upload the file.

The uploaded custom picture will apply to media IP phone and expansion module EXP50, and appears in the pull-down lists of **Wallpaper** and **Wallpaper for expansion modules** synchronously.

## **Deleting the Custom Pictures**

You can delete the custom wallpaper via phone user interface or via web user interface.

#### To delete the custom picture via phone user interface:

- 1. Press Menu->Basic->Display->EXP Wallpaper.
- 2. Press ( $\bullet$ ) or ( $\bullet$ ), or the **Switch** soft key to select the desired picture.

	EXP W	alipaper	
1. Wallpaper:		l4.j∣ ◀►	
	-	3	
Back	Délete	Switch	Save

- Press the **Delete** soft key to delete the corresponding picture.
   The LCD screen prompts "Delete selected images?".
- 4. Press the **OK** soft key to accept the change.

You can also delete the custom wallpaper by clicking **Del** when selecting the desired custom wallpaper in the **Wallpaper** or **Wallpaper for expansion modules** field. As shown below:

ealink   1346	Status	Account	Network	Daskey	Featu	rea	Settings	Directory	Security
Preference	Uv	Dispud		Dubled	•	0		NOTE	
time & Date	int:	er Digit Time(1~54s	)			0		Live Dialpad	-
	Tia	neparency		100%		0		It allows IP ph automatically i	
Call Display	0m	and BackLight		Low					e number after a
Upprade	Act	We Backlight Level				0		Backlight	
Auto Provision	Bac	idgit Time(seconds	a .	Alveys On		0			hightness of the
Configuration	We	tch Dog		Deabled		0		Contrast	
A REAL PROPERTY.	Rin	р Туре		Ringl.wav	•	0			contrast of the
DistPlan	Opt	uad Ringtone		erowse	No file select	ed.	0	Ring Tones	www.
Woke				Uplast	Cantel	1		A ring tone th	at will alert you may in far the IP
tting	Wa	loaper		IMG_2016H	NO8_204014 +	De	0	phane.	100000000
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	Upi	oad Walbaper(480*	272)	Browse	No file select	ed.	0	more gudes.	
Softkey Layout				Upload	Carsoel	1			
1000-0	Set	eensaver Wait Time		Naver		0			
Voter Monitoring	50	eemaver Daplay Co	cir.	Deabled	•	0			
SIP	50	eensaver Type		Custom	•	0			
Prower Saving	50	eensaver		IMS_201601	208_204614 ·	Da	0		
anower serving	.050	ad Screenswer		Browse	No file select	ed.	0		
				Upload	Cancel	1			

The custom wallpaper will disappear from the pull-down lists of **Wallpaper** and **Wallpaper for** expansion modules synchronously.

## **Changing the Wallpaper**

You can change the wallpaper via phone user interface or web user interface.

To change the EXP wallpaper via phone user interface:

- 1. Press Menu->Basic->Display->EXP Wallpaper.
- 2. Press  $(\cdot)$  or  $(\cdot)$  , or the **Switch** soft key to select the desired wallpaper image.

EXP Wallpaper						
1. Wallpaper:	01-exp50.jpg 🛛 🔺 🕨					
	march 1	-0				
	662					
	and the second					
Back	Switch	Save				

3. Press the Save soft key to accept the change or the Back soft key to cancel.

If the wallpaper from the USB flash drive has been uploaded, you can change the desired wallpaper directly. Or you can set the custom wallpaper from the USB flash drive directly.

#### To add the custom picture from a USB flash drive via phone user interface:

- 1. Press Menu->Record->Browse Photo.
- 2. Press  $(\cdot)$  or  $(\cdot)$ , or the **Switch** soft key to select the desired picture.
- 3. Press the **Preview** soft key.
- 4. Press the Set as soft key, and then select Set as EXP wallpaper.

Set as wallpaper	
Set as screensaver	
Set as EXP wallpaper	

5. Press the **OK** soft key to accept the change.

The EXP wallpaper will change to the corresponding picture.

**Note** Before uploading the custom picture from the USB flash drive, please make sure that the USB flash drive has been connected to expansion module EXP50 successfully, and the picture is stored in the root folder on the USB flash drive and not stored in a specific folder.

Wallpaper for expansion modules is configurable via web user interface at the path

#### Settings->Preference.

**Note** The EXP50 color-screen expansion module screen size is 4.3 inches (Resolution: 272x480). If the size of the custom wallpaper doesn't meet the IP phone screen size, the wallpaper will be stretched or zoomed out according to the screen size.

For more information on wallpaper, refer to the *Wallpaper* section of *Yealink phone-specific user guide*.

## Screen Saver

The screen saver will automatically start when the IP phone is idle for the preset waiting time. The screen saver is used to blank the screen or fill it with moving images or patterns. If you connect a color-screen expansion module EXP50 to the IP phone, the screensaver will start or stop on the phone and EXP50 synchronously.

#### The screen saver will be stopped if one of the following phone events occurs:

- Press any key.
- Pick up/hang up the handset.
- There is an incoming call.
- A new prompt (e.g., missed call, new voice mail or forwarded call).
- The status of BLF key changes.

If your phone and EXP50 is idle again for a specified period of time, the screen saver will start again. The time & date and certain feature status icons (e.g., a new text message, auto answer, DND) will also display on the screen saver. For more information on the icons, refer to Icon Instructions on page 4. You can configure the phone whether to display the time & date on the screen saver or not.

You can configure the screen saver of SIP-T54S media IP phone, and upload custom pictures to set up a screen saver of your picture via web user interface. You can configure the screen saver wait time, screen saver type and screen saver display clock via phone user interface or web user interface.

## Uploading the Custom Picture

The SIP-T54S media IP phone supports the file format of custom pictures in the following table:

Format	Resolution	File Size
*.jpg/*.png/*.bmp/*.jpeg	≪4.2 megapixels	2MB of space should be reserved for the
.jpg/ .png/ .bmp/ .jpeg		phone

#### To upload a custom picture via web user interface:

- **1.** Click on **Settings**->**Preference**.
- 2. Select Custom from the pull-down list of Screensaver Type.
- **3.** In the **Upload Screensaver** field, click **Browse** to locate the custom picture from your local system, and then click **Upload**.

alink 1545		)()		10 - 1	10-	_	Settings		h(Drginh)		
	Status	Account	Network	Dsskey	Featur	Netse:	settings	Directory	Security		
Preference	UM	e Dolpad		Daabled		0		NOTE			
Time & Date	Bet	ter Digit Time(1~14s			0		Live Diaload	Live Dialpad			
	Tu	anaparancy.		100%	•	0		E alone P phor automatically da			
Call Hisplay	84	used BackLight		Low	•	0		entered phone i	number after a		
Upgrade	AC	the Backlight Level		8		0		specified period	of crive.		
Auto Provision	2 e	ckight Time(second	0	Abunya On		0		Backlight Specifies the bri			
	100	stch Deg		Deabled		0		UCD screen displ	<i>w.</i>		
Configuration	Ker.	ng Type		Ring1.way	-	0		Contrast Specifies the co			
Diai Plan	535	load Ringtone		Droute	No file selecte	et.	0	LCD screen displ	H5.		
Voitor		and the work of		Upload	Cancel	ik -		Ring Tomes A ring tone that	will piert you		
Ring	100	alogo er		Shut up.ong		De		when a call com phone.	es in for the D		
integer (		shaper for expansion	100 X 100	Default-exp3		-		-			
Tones		kad Walkaper(480*		Browsk	No file selecte	a:	1.0	Yesi can did more guides.	chere os get		
Softkey Layout	00	aver Antebabatfuor.	474)			0.					
18069		11.122		, Upload	Cancel	-					
	25	reensover Walt Time		301	:						
Voice Monitoring	-	reensaver Display Clo	d	Enabled		0					
50.0	50	reansiver Type		Cuitem	•	0					
Powert Saving	So	reensaver		-		0	-				
	Up	kad Sciencever		Brawse	No file selecte	d.	0				
				Uploat	Cancel	1					

This field appears only if **Screensaver Type** is set to **Custom**.

The custom picture appears in **Screensaver** list. You can only delete the custom picture by clicking **Del** when the desired custom picture is selected in the **Screensaver** field.

#### To upload a custom picture from USB flash drive via phone user interface:

- 1. Press Menu->USB Record->Browse Photo.
- 2. Press  $(\bar{\ })$  or  $(\bar{\ })$  , or the **Switch** soft key to select the desired picture.
- 3. Press the **Preview** soft key.
- 4. Press the Set as soft key, and then select Set as screensaver.



- 5. Press the **OK** soft key to accept the change.
- **Note** Before uploading the custom picture from the USB flash drive, please make sure that the USB flash drive has been connected successfully, and the picture is stored in the root folder on the USB flash drive and not stored in a specific folder.

## Configuring the Screen Saver

To configure the screen saver via phone user interface:

- 1. Press Menu->Basic->Display->Screensaver.
- 2. Press (•) or (•), or the Switch soft key to select the desired wait time from the Wait Time field.
- **3.** Press (•) or (•), or the **Switch** soft key to select the desired value from the **Display Clock** field.
- Press (•) or (•), or the Switch soft key to select the desired screen saver type from the Screensaver Type field.

This field is configurable only if you have uploaded a custom picture via web user interface.

- If you select **System**.

The IP phone will automatically set the built-in picture as the screen saver.

- If you select **Custom**.

The IP phone will automatically set the custom pictures you upload as the screen saver, and display these pictures alternately.

Screensaver										
1. Wait Time:	30s	41								
2. Display Clock:	Enabled	41								
3. Screensaver Type:	System	41								

5. Press the Save soft key to accept the change or the Back soft key to cancel.

Screen Saver is configurable via web user interface at the path Settings->Preference.

## **Power Saving**

The power saving feature is used to turn off the backlight and screen to conserve energy. The EXP50 color-screen expansion module enters power-saving mode after it has been idle for a certain period of time. The power LED illuminates solid red for 1000ms and goes out for 3000ms alternately.

The EXP50 color-screen expansion module will exit power-saving mode if one of the following phone events occurs:

- Press any key on the host phone or EXP50.
- Pick up/hang up the handset on the host phone.

- There is an incoming call.
- A new prompt (e.g., missed call, new voice mail or forwarded call) on the host phone.
- The status of BLF key changes.

You can configure the following power-saving settings:

- Office Hour
- Idle Timeout (minutes)

The office hour and idle timeout (minutes) settings work only if the power saving feature is enabled.

**Note** Power saving is configurable via web user interface only.

## **Enabling the Power Saving**

#### To enable the power saving feature via web user interface:

- 1. Click on Settings->Power Saving.
- 2. Select Enabled from the pull-down list of Power Saving.

ealink   1545	Status	Account	Network	Disslory	Feature	15	Settings	Directory	Security
Perference	p	lower Saving		Enabled		0		NOTE	
Time & Date	0	Mice Hour 🔞						Settings Pos	versaving
Call Ungling		Monday Tuesday		107 + 19 $10^{2} - 19$				Titu can d	ick here to get
Tipgrade		Wednesday		07 + 19 07 + 19				more guides.	
Auto Provision		Thursday		07 - 19					
Configuration		Priday		107 - 19					
Dial Plan		Saturday		07 - 07					
		Sunday		67. ~ 67					
Molen		dle TimeOut (minut	es)						
Ring		Office Hour Ide Tit	reDut	900		0			
Tones		Off Hour Idle Time?	ht	10		0			
Softhey Layout		User Diput Extensio	n Me TimeOut	30		0			
10000		Contin	n	6	Gancel				
Molice Monitoring									
STP									

3. Click **Confirm** to accept the change.

#### **Configuring the Office Hour**

Office Hour specifies the starting time and ending time in the office each day.

To configure the office hour via web user interface:

- 1. Click on Settings->Power Saving.
- 2. Enter the starting time and ending time respectively in the desired day field.

ealink 1548								Log D Antinakh)
COMPICISIS	Status	Account	Network	Dsskey	Features	Settings	Directory	Security
Perference		ower Saving		Enabled	• 0		NOTE	
Time & Date	0	ffice Hour 🕘		THE OWNER OF THE OWNER			Settings Pos	wersawing
Call Uniplicy		Monday		07 + 19			You can d	ick here to get
		Tuesday		03 - 18			more guides.	
Tipgrade		Wednesday		07 + 19				
Auto Provision		Thursday		07 ~ 19				
Configuration		Priday		107 - 19				
Dial Plan		Saturday		07 - 07				
		Sunday		07. × 07				
Molen	34	Se TineOut (mini						
NURAD		Office Hour Ide 1		900	0			
Tones		Off Hour Idle Tim		10	0			
Softhey Layout		User Input Extens	ion Me TimeOut	10	0			
11000		Cont	frm	0	Gancel			
Voice Monitoring								
510								
Power Saving								

3. Click **Confirm** to accept the change.

#### **Configuring the Idle Timeout**

Idle Timeout specifies the period of time before the IP phone enters power-saving mode. The following three types of idle timeout you can configure:

- Office Hours Idle TimeOut: Configures the idle timeout for office hours.
- Off Hours Idle TimeOut: Configures the idle timeout for non-office hours.
- User Input Extension Idle TimeOut: Configures idle timeout that applies after you use the IP phone (for example, press a key on the phone or pick up/hang up the handset).

By default, the Office Hours Idle TimeOut is much longer than the Off Hours Idle TimeOut. If you use the IP phone, the idle timeout that applies (User Input Extension Idle TimeOut or Office Hours/Off Hours Idle TimeOut) is the timeout with the highest value. If the phone has an incoming call or new message, the User Input Extension Idle TimeOut is ignored.

#### To configure the idle timeout via web user interface:

- 1. Click on Settings->Power Saving.
- Enter the desired value in the Office Hours Idle TimeOut field.
   The default value is 960 can set to 1-960.
- Enter the desired value in the Off Hours Idle TimeOut field.
   The default value is 10, you can set to 1-10.

4. Enter the desired value in the User Input Extension Idle TimeOut field.

The default value is 10, you can set to 1-30.

alink	Status	Account	Network	Disslory	Features	Settings	Directory Security
huferesea	Par	war Saving		Enabled	• 0		NOTE
time is Date		fice Hour 🕘		07 - 19			Settings Powersaving
ad thisplay		Monday		$10^7 = 19$ $10^3 = 19$			📴 You can click here to get
pgrade		Wednesday		07 + 19			more guides.
urio Provision		Thursday		67 ~ 19			
Sintlyuration		Priday		67 - 19			
And Plans		Saturday		07 - 07			
tolon		Suntay e TimeOut (minu	tes)	07. ~ 07			
tikig		Office Hour Ide Ti	meDut	900	0		
anes		Off Hour Idla Time	out	10	0		
Rolling Layout	1	User Input Extens	on Me TimeOut	10	0		
1009		Cont	im _	Ģ	Gancel		
loice Monitoring							
ETP.							

#### 5. Click **Confirm** to accept the change.

For more information on power saving, refer to the *Power Saving* section of *Yealink phone-specific user guide*.

## **Adjusting the Backlight**

You can adjust the backlight level on the LCD screen of the EXP50 color-screen expansion module via the host phone. The backlight level on the LCD screen of the EXP50 color-screen expansion module is synchronized with that of the host phone.

#### To adjust the backlight via phone user interface:

1. Press Menu->Basic->Display->Backlight on the host phone.

1. Active Level:	8			
2. Inactive Level:	Low	41		
3. Backlight Time:	Always On	41		
Back	Switch	Save		

2. Press or , or the **Switch** soft key to select the desired level from the **Active Level** field on the host phone.

**3.** Press the **Save** soft key to accept the change or the **Back** soft key to cancel on the host phone.

For more information on adjusting the backlight on the phone, refer to the *Backlight* section of *Yealink phone-specific user guide*.

# Configuring the Yealink EXP50 Color-screen Expansion Module

The EXP50 color-screen expansion module supports 60 Ext keys. You can access the 60 Ext keys via three page keys. Each key can be assigned a feature using the configuration files, via phone user interface or web user interface. For more information on using the configuration files to assign a feature, refer to *Yealink Auto Provisioning Guide*.

#### **Phone User Interface**

Long press the desired key, the phone will enter the setting screen of this key.

#### Web User Interface

To log into the web user interface, you should obtain the IP address of the host phone in advance. Press the OK key when the phone is idle, and the host phone will display the IP address and some other information. Enter the IP address (e.g., http://192.168.0.10 or 192.168.0.10) in the address bar of the web browser on your PC. The default user name and password are both "admin" (case-sensitive).

This chapter provides you with instructions of assigning a feature to an Ext key via web user interface. The topics include:

- Line
- Speed Dial
- Busy Lamp Field (BLF)
- Busy Lamp Field (BLF) List
- Voice Mail
- Direct Pickup
- Group Pickup
- Call Park
- Intercom
- DTMF
- Prefix
- Local Group
- XML Group
- XML Browser
- LDAP
- Conference

- Forward
- Transfer
- Hold
- DND
- ReCall
- SMS
- Record
- URL Record
- Multicast Paging
- Group Listening
- Private Hold
- Hot Desking
- ACD
- Zero Touch
- URL
- Phone Lock
- Retrieve Park
- Directory

Quick access features like intercom and voice mail should be configured on your SIP server in advance to make sure they will work on your phone. Contact your system administrator for more information.

If more than one expansion module is connected, select the desired expansion module from the pull-down list of **Expansion Key**.

Feature codes may vary between different servers.

The available key features may vary between different phone firmware versions. This guide introduces key features available on the SIP-T54S IP phone running firmware version 81 or later.

## Line

Note

You can configure an Ext key as the line key. You can press this key to enter the pre-dialing screen when the phone is idle. You can also press this key to place a new call during an active call, and then the original call is placed on hold. For more information on using the line key, refer to Using the Line Key on page 62.

#### To configure an Ext key as the line key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Line from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the number specified in the **Value** field.

4. Select the desired line to apply this key from the pull-down list of Line.

ealinkloss	Status	16	Account	Network	Dsskey	Feat	ures 🗌	Settings	Directory	Security
Line Key1-9	Expansion	Rey E	Sepansion 1						NOTE	
Line Key10-18	KAY	1	Type	Value	Label	Line	Extension	RAY	Ext Keys	
	Key1	Line	•	1	Line	1 • [	-	1	Customizes the the suparison	
Line Key19-27		N/A	•		IN/A	- 1	_	Kev2 =	Ure superand	CROSSER.
Programalile Key	Кеу3	N/A	• [1]		n/A	- 1			📵 You can di	ck here to get
Ext Key		16'A	•		10/A	F		Kept	more guides.	
	Key5	16/6	•	1	[B/A	- 1				
		N/A	- 11		16/A	- 11		Кауб		
	Key7	76'A	• 🗆		[B/A	- 1				
		N/A	•		16.76	- 1		Key9		
	Key0	P6/A	• [7]	1	16/A	- 1	-	and the second		
		N/A	• 🗆		16.4	- 1	-	Key13		
	Kev11	N/A	•		10/8	-)[		NORMOUNT.		
		N/A	- 1		10/4	- 1		Kiry12		

5. Click **Confirm** to accept the change.

## **Speed Dial**

You can configure an Ext key as the speed dial key. Then you can quickly dial out the pre-defined number using the specified line by pressing the speed dial key.

#### To configure an Ext key as the speed dial key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select SpeedDial from the pull-down list of Type.
- 3. Enter the desired number you want to dial out directly in the Value field (e.g., 1003).
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the number specified in the **Value** field.

ealink	Status	A00	oun	t- Neb	Nork	Daske	y	Fea	lures	Settings.	Directory	Security
Line Rey1-9	Expansion	Rey Expans	on 1								NOTE	
	Kay	Type		<b>Value</b>		LADIE		Line	Enterison	· · · · · · · · ·	Ext Keys	
Line Key10-18	Key1	Speed Dial	٠	1003		1	ine I	• [		-	Customizes the the expansion r	key feature o
Line Key19-27		N/A	٠	1			n/A'	- )[		Key2 =	The advantages a	TROUGH.
Programable Key	Key3	N/A		1			n/A	-)[	-		📵 You can cik	k here to get
Ext Key		IN'A	٠	· · · · ·			11/A -			Kept	more guides.	
	Key5	N/A		1	1		18/A.	- 1				
		N/A	*	1			N/A	-1		Кауб		
	Key7	n/A	•	r.			n/A.	- 1				
		N/A	•	1			m/A .	- 1		KeyS		
	Key9	16/A	•	r.			hit.	- 1	-	-		
		N/A	٠	1			11/4	-11		Key13		
	Kev11	N/A	•	1	-	3	n/A -	- 1	-			
		N/A			_		H/A	- 1		Kiry12		

5. Select the desired line to apply this key from the pull-down list of Line.

6. Click **Confirm** to accept the change.

## **Busy Lamp Field (BLF)**

Busy Lamp Field (BLF) allows you to monitor the status changes of a user. You can configure an Ext key as the BLF key, which allows you to monitor the status (idle, ringing or busy) of the pre-defined phone user. You can also pick up the incoming call of the monitored user directly by pressing the BLF key. For more information on using the Busy Lamp Field, refer to Using the Busy Lamp Field on page 63.

#### To configure an Ext key as the BLF key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **BLF** from the pull-down list of **Type**.
- 3. Enter the phone number you want to monitor in the Value field (e.g., 1001).
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the value specified in the **Value** field.

5. Select the desired line to apply to this key from the pull-down list of Line.

	Status		Account		Network	Dask	xey	Б	atures	Setting	p.	Directory	Security
Line Rey1-9	Expansion	Rey E	Squarson 1	•								NOTE	
Line Key10-18	KAY		Type		GALINE.	Label		Lee	Enterisor		¥	Ext Keys	
	Key1	Line			2	301	ine I	•			÷.	Customizes the the expansion is	
Line Key19-27		BLF	•	1001	1	1	Lne 1		*30	Key2	3	. Line angeleration of	100000
Programable Kry	Key3	N/A		1	1		n/A	- 4	-		14	📵 You can cli	ck here to ge
Est Key		N/A		<u> </u>		- 1	10/67	1.4		Kept		more guides.	
	Key5	N/6	-	r	1		[39/A.						
		N/A		r		- 1	IN/A	. 4		Кауб			
	Key7	16'A	•	1	1		(ma	1.4	-				
		N/A		r			10/26		-	Key9			
	Key9	16/A		ľ.		-	h/A:		-				
		N/A	•	1	- 1		16/4	-	-	Key13			
	Kev11	N/A		1	1		10/8	-	-				
		N/A		<u> </u>			H/A	-		Kiry12			

6. Enter the directed call pickup code in the **Extension** field (e.g., \*30).

7. Click **Confirm** to accept the change.

# **Busy Lamp Field (BLF) List**

Busy Lamp Field (BLF) List allows you to monitor a list of users defined by your system administrator. For example, your system administrator enables BLF List, and creates a BLF List URI (e.g., BLFList@example.com) including a list of user1, user2 on the server. The BLF List keys on the IP phone can present the status of user1 and user2.

**Note** Before configuring a BLF list key, make sure auto BLF list feature is disabled on the phone. Contact your system administrator for more information.

### To configure an Ext key as the BLF list key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select BLF List from the pull-down list of Type.

	Status	- ) ( A	count	Network	Dsskey	Fea	tures	Settings	Directory Security
Line Keys-9	Expansion		ruiori 1						NOTE
Line Rey10-18	Nes	Tvo		Value	unel	Une	Externation	Key .	Ext Keys
	Keyt	BLFLit	•		Line	1		1	Customase the key feature o the expansion module.
Line Key19-27	1 0	N/A	• [	1	11/4			X0/2 0	the experision moture.
Programičke Key	Key3	N/A.	•		NU A	I		1	📋 Yau can click here to get
Ext Noy	1	R/A			LAUA	[		8.098	more guides.
	KeyS	II/A	• []		14/14	- 1			
	1	N/A	- 1	71	[A/A	- 1		Key0	
	Kay7	N/A	• []		19/14	[			
		N/A	• [		IN/A	- 1		Reys	
	Key9	R/A	- [	1	14° A	- 1			
		R/A	-		IN A	- 1		Key20	
	Key11	N/A	• []	2	AU A	- 1			
		N/A.	• [		14/4	- 1		Key17	

3. Select the desired line to apply to this key from the pull-down list of Line.

4. Click **Confirm** to accept the change.

# **Voice Mail**

You can configure an Ext key as the voice mail key. Then you can press the voice mail key when the phone is idle to dial out the pre-defined voice mail access code, and follow the voice prompt to listen to the voice mails.

### To configure an Ext key as the voice mail key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Voice Mail from the pull-down list of Type.
- 3. Enter the voice mail access code in the Value field (e.g., \*4).
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Voice Mail".

2123 IN 22210 1225	Status	MX	oun	Netwo	aric	Daske	y	Feat	tures	Settings.	Directory Security
Line Key1-9	Expansion	Rey Expans	egn 1								NOTE
	KAY	Type	1	Value		Label	L	eu -	Extension	KOY	
Line Key10-18	Keyl	Line	•		2301		ine I	•1			Ext Keys Customizes the key feature of
Line Key19-27		Voice Mail	•	*4 :	1		Lne 1	•		Kev2 =	the expansion module.
Programable Key	КеуЗ	N/A			1		n/A	-1	1		You can click here to get
Est Key		16'A	٠	0			10%	-1		Kep4	more guides.
	Key5	N/A		-	1		19/A.	- [			
		N/A	٠				N/W.	-1		Кауб	
	Key7	N/A	٠	1	1		80.	- 1			
		N/A	٠			11	10/8	-	-	Key9	
	Key0	N/A	•	1	1		hit.	- 1			
		N/A	٠	Ē.	1		16/4	- 1		Key13	
	Kev11	N/A	•	C.	1	3	n/A -	-1			
		N/A		1	-		H/A.	- 1		Key12	

5. Select the desired line to apply this key from the pull-down list of Line.

6. Click **Confirm** to accept the change.

# **Direct Pickup**

You can configure an Ext key as the direct pickup key. If you press the direct pickup key when the specified phone number receives an incoming call, the call will be answered on your phone.

### To configure an Ext key as the direct pickup key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Direct Pickup from the pull-down list of Type.
- **3.** Enter the directed call pickup code followed by the specific extension you want to pick up calls from in the **Value** field (e.g., \*971003).
- 4. Enter the desired value in the **Label** field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "DPickup".

5.	Select the desired line to apply this key from the pull-down list of Line.	
----	--	--

100000000000000000000000000000000000000	Status	Ac	oun	Netwo	ute	Daskey	-B	catures	Settings.	Directory Security
Line Rev1-9	Expansion	Rey Expan	son 1							NOTE
Line Key10-18	KAY	Type		Value	1	Label	Lite	Erterusor	Koy	Ext Keys
	Key1	Une			2301	Line	1 .	-		Customizes the key feature of the expansion module.
Line Key19-27		Direct Picks	0.+	*971803	1	Lne	1		Kev2 =	Contra angle range to another.
Programable Rey	Key3	N/A	.*		1	n/A				📵 You can click here to get
Est Key		16'A	•	C		11/A	1.4		Kep4	more guides.
	Key5	N/6		C	1	[36/A				
		N/A		1		19/8		1	Кауб	
	Key7	n/A		1	1	(m/A		-		
		N/A	•		1	10/2			Key9	
	Key9	n/A		1	1	h/A				
		N/A	•		1	16/4		-	Kay13	
	Kev11	N/A	•		-	16/8		-		
		N/A	-		-	11/4	-		Kiry12	

6. Click **Confirm** to accept the change.

# **Group Pickup**

Group pickup allows you to pick up incoming calls within a pre-defined group of phone numbers.

You can configure an Ext key as the group pickup key. When any number within the group receives an incoming call, you can press the group pickup key to pick up the incoming call. If the numbers within the group receive multiple incoming calls, the first incoming call will be picked up.

#### To configure an Ext key as the group pickup key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Group Pickup from the pull-down list of Type.
- 3. Enter the group call pickup code in the Value field (e.g., \*98).
- 4. Enter the desired value in the **Label** field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "GPickup".

*16501672201078851	Status	Acc	oun	Netwo	rk D	uskey	Fea	tures	Settings	Directory Security
Line Ney1-9	Expansion	Rey Expans	ean 1							NOTE
Line Key10-18	Kay	Type		Value	Lab	et i	Line	Extension	KOY	Ext Keys
	Key1	Une			2301	ine I	• 1			<ul> <li>Customeso the key feature of the expansion module.</li> </ul>
Line Key19-27		Group Picks	o • 0	*98	1	Line 1	-		Key2	Die soparaum mobile.
Programultie Key	Key3	N/A		-	1	n/A	- 1	1		You can click here to get
Est Key		N/A	٠		-	10/A			Key4	more guides.
	Key5	N/A			1	18/A	- 1			
		N/A			-	107A	-1		Кауб	
	Key7	N/A	•	1	1	(m/A	- 1			
		N/A	•	-	-	10/26	- 1		Key9	
	Key9	N/A	•	Ċ.	1	h/A.	- 1	_		
		N/A	٠	1	1	16.2	- 1		Key13	
	Key11	N/A	•	1	1	h/A -	- 1	-		
		N/A			-	IVA:	- 1		Key12	

5. Select the desired line to apply this key from the pull-down list of Line.

6. Click **Confirm** to accept the change.

### **Call Park**

The call park feature allows you to park a call at a special extension and then retrieve it on any other phone in the system.

You can configure an Ext key as the call park key. Then you can park a call at an extension by pressing the call park key. The current call is placed on hold and can be retrieved on another IP phone.

### To configure an Ext key as the call park key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Call Park** from the pull-down list of **Type**.
- 3. Enter the call park feature code in the Value field (e.g., \*68).
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Call Park".

5. Select the desired line to apply this key from the pull-down list of Line.

ealink	Status	- <b>A</b> D	coun	E Netwo	uk	Daske	y	Fea	tures	Settings.	Directory Security
Line Key1-9	Expansion	Rey Expan	son 1								NOTE
Line Key10-18	KAY	Type		Wakes		Label	L	ee.	Extension	KOY	Ext Keys
	Keyl	Line			2301	1	Line I	• [		ń	Customizes the key feature of the expansion module.
Line Key19-27		Call Park	•	*08	3		Line 1	-		Key2 =	Ute advariance modeler.
Programable Key	Key3	N/A			1		n/A	- 1			📵 You can click here to get
Ext Key		N/A		-			II/A?	-1		Кар4	more guides.
	Key5	N/A			1		n/A	- 1			
		N/A		r			WAC.	-1		Кауб	
	Key7	76'A	•	1	-	-	n/A.	- 1			
		N/A	•	r	-		ńЖ.	- 1		Key9	
	Key9	76/A		1	1	-	n/A	- 1	_		
		N/A	•		1		hia.	-1	-	Key13	
	Kev11	N/A	•		1		n/A -	-11	_		
		N/A		-	-		H/A	- 1		Key12	

Check with your system administrator if it is necessary.

6. Click **Confirm** to accept the change.

### Intercom

You can configure an Ext key as the intercom key. This is especially helpful in an office environment as you can connect to the operator or the secretary more quickly by pressing the intercom key.

### To configure an Ext key as the intercom key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Intercom from the pull-down list of Type.
- 3. Enter the remote extension number in the Value field (e.g., 1006).
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Intercom".

- 5. Select the desired line to apply this key from the pull-down list of Line.
- 6. Enter the directed call pickup code in the **Extension** field.

If it is configured, when the target extension receives an incoming call, the supervisor can press the intercom key to pick up the call directly. Contact your system administrator for more information.

	Status	Ack	count	Netwo	rk I	Diskey	Feat	hurres	Settings	s Directory Security
Line Rey1-9	Expansion	Rey Expan								NOTE
	KAY	Type	1	Value	U	diel I	Line	Estamad	KOY	
Line Key10-18	Keyl	Line			2301	ine I	• 1			<ul> <li>Ext Keys         Customizes the key feature of         the oparision module.     </li> </ul>
Line Key19-27		Intercom	•	1006	1	Lne 1			Key2	the separation module.
Programable Key	Key3	16/A		1	1	n/A	- 1			🕘 You can click here to get
Est Key		N/A	•			10/A	- • F		Kept	more guides.
	Key5	N/6		6	1	39/A	- 1			
		N/A				16/W	-11		Кауб	
	Key7	N/A			1	[10/A	- 1			
		N/A	•			10/6	- 1	_	Key9	
	Key9	ni/A	•	1	1	19/A	- 1			
		N/A	•	Ē.	1	16/4	- 1		Key13	
	Key11	N/A	•	1	1	10/A -	-11			
		N/A			-	10/4/	- 10		Kay12	

7. Click **Confirm** to accept the change.

### DTMF

You can configure an Ext key as the DTMF key. If you press the DTMF key during an active call, the phone will send the pre-defined DTMF digits.

### To configure an Ext key as the DTMF key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **DTMF** from the pull-down list of **Type**.
- 3. Enter the desired DTMF digits in the Value field (e.g., 123A).
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "DTMF".

ealink 1756	Status		ocoun	Netwo	ark	Disskey	Fea	tures	Settings.	Directory Security
Line Rey1-9	Expansion	Rey Exp	anson 1	-						NOTE
Line Key10-18	Kay	Te	pie i	Value		Label	Lite	Extension	Key	Ext Keys
	Key1	Une			2301	Line	1 . 1	-	- ii	Customizes the key feature of the expansion module.
Line Key19-27		DTHE	•	1234		h/A	- 1		Key2 =	Life adjustance consider.
Programable Rey	Key3	N/A		1		n/A			U	📵 You can click here to get
Est Key		IN'A	•			10/8	i l		Карч	more guides.
	865	N/A		1	1	[B/A	- [			
		N/A		-		16/4	-1		Кауб	
	Key7	N/A		1	1	(m/A	- 1			
		N/A		1	1	10/2	- 1		Key9	
	Key9	N/A		ř.	1	h/A	- 1		-	
		N/A	•	1		16.14	- 1	-	Key13	
	Kev11	N/A	•		1	10/8	- 1	-	encontrol of	
		N/A	-	-	-	15/A	- 1		Key12	

5. Click **Confirm** to accept the change.

# Prefix

You can configure an Ext key as the prefix key. If you press the prefix key when the phone is idle, the phone will enter into the dialing screen and display the prefix number which you specified. You can enter other digits and then dial out.

### To configure an Ext key as the prefix key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Prefix** from the pull-down list of **Type**.
- **3.** Enter the prefix number you want to add before the entered number in the **Value** field (e.g., 0592).
- 4. Enter the desired value in the **Label** field or leave it blank.

ealink 1545	Status		Account		Network	Daske	=¥	Feat	ures:	Settings	Directory Security
Line Key1-9	Expansion		panson 1	•							NOTE
Line New10-18	KAY	1	ND8		Calue	Label		Line	Externation	Key	Ext Keys
Line Key19-27	Key3	Une	•		230	11	ine I	• [	-	- ii	Customizes the key feature of the expansion module.
Line Key19/27		Prefix	•	0592	- 3		n/A	- 1		Key2 =	
Programable Key	Key3	N/A					$n/\lambda$	- 1			You can click here to get more guides.
Ext Key		16'A	•	r			11/A :	- 1		Key4	more guides.
	8e/5	10/6	-	-	1		18/A	- 1			
		N/A		r		-	11/W.	-11		Кауб	
	Key7		•	1	-		m/A.	- 1			
		N/A		-			11/5	- 1		Key9	
	Key9	A/JA		ĺ.			m'A.	- 1		-	
		N/A	•	1			11/4	-10		Kay13	
	Kev11	N/A		-	1		II/A	-1			
		N/A		-			H/A	- 10		Key12	

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display "Prefix: 'the value specified in the Value field' " (e.g., Prefix: 0592).

5. Click **Confirm** to accept the change.

# **Local Group**

You can configure an Ext key as the local group key. Then you can press the local group key to access the pre-defined contact group in the local directory quickly.

To configure an Ext key as the local group key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Local Group from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the selected group name.

4. Select the desired contact group name from the pull-down list of Line.

ealink	Status	- Mo	count	Network	Dask	ey 🚺	Feat	ires 🛛	Settings	Directory	Security
Line Rey1-9	Expansion	Rey Expan	sign 1							NOTE	
Line Key10-18	KAY	Type	<u>j'</u>	Value	Label	U	na:	Extension	ROY	Ext Keys	
	Key1	Line	•		2301	ine t	• [	-	1	Customizes the the expansion r	
Line Key19-27		Local Grou	a. •	-	1	AR Conto	a •		Key2 =	Une superators	TRANSFEL.
Programable Key	Key3	N/A				n/A	- 1	1		📵 You can cik	k here to get
Est Rey		IS'A	•			10/47	- 1		Key4	more guides.	
	Key5	16/6	•		-	[39/A]		_			
		N/A				IN/W	-10		Кауб		
	Key7	N/A	•		-	DB/A	- 1				
		IN/A	•			In/A	-10	_	Key9		
	Key9	76/A	•	-	-	h/A:	-10	_	and a second		
		N/A	•			11/4	- 1		Key13		
	Kev11	N/A	•		-	IN/A	-	-	ocontropart.		
		N/A	-		-	16/4.1	- 1		Key12		

5. Click **Confirm** to accept the change.

# **XML Group**

You can configure an Ext key as the XML group key. If you press the XML phonebook key when the phone is idle, the phone will automatically download the corresponding phone book from the server and display the entries of the phone book on the LCD screen of the phone. To use this key feature, you need to configure remote phonebook on the phone in advance.

### To configure an Ext key as the XML group key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select XML Group from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the selected XML group name.

arean area and the s	Status		ecount	Netwo	rk	Daskey	Feat	tures	Settings.	Directory Security
Line Rey1-9	Expansion	Rey Exp	anson 1							NOTE
Line Key10-18	KAY	Te	D48	Value	į	Label	Line	Extension	Key	Ext Keys
	Keyl	Line	• [		2301	Une	[		ni i	Customizes the key feature of the expansion module.
Line Key19-27		XML Gro	10 · 0			R/A		_	Key2 =	ute soparator module.
Programultie Key	Key3	N/A	- 21		1	n/A	-)[	1		📵 You can click here to get
Est Key		N/A	•			10/4	- 1		Kept	more guides.
	Key5	N/6	• [		1	[B/A.	- 1	_		
		N/A	•		-	1678	-11		Кауб	
	Key7	76'A	• [		1	[.0/A	- 1			
		N/A	• [		-	16.76	-		Key9	
	Key9	N/A	• [		-	h/A	- 1	_		
		N/A	• [	6	-	16'8.	- 1		Key13	
	Key11	N/A	• [		1	10/8	-)[	-		
		N/A	- 1			10/4	- 1		Kiry12	

4. Select the desired XML group name from the pull-down list of Line.

5. Click **Confirm** to accept the change.

### **XML Browser**

XML browser is a simple browser feature, 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 features dynamically to meet the needs of the user xml file, and then download the xml file to a SIP phone by http/https, so as to realize a simple browser feature. Using XML browser, users can achieve the personalized features, such as weather information, stock information, date of inquiry, access to address book, configuration of the terminal parameters and so on.

### To configure an Ext key as the XML browser key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select XML Browser from the pull-down list of Type.
- **3.** Enter the URL you want to set as the XML Browser in the **Value** field (e.g., http://10.3.6.20/xmlBro.xml).
- 4. Enter the desired value in the **Label** field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "XML Browser".

100000000000000000000000000000000000000	Status		ccoun	t- Network	Dusk	ey	Feat	turies -	Settings.	Directory	Security
Line Rey1-9	Expansion	Rey Exp	ansion 1	-		147				NOTE	
Line Key10-18	KAY	Tes	pie :	Value	Label		Lite	Extension	KOY	Ext Keys	
	Key1	Line		1	2301	ine t	• 1		- ñ	Customizes the the expansion	
Line Key19-27		XML Brow	vser +	http://10.3.6.20/	á	h/A	-)[		Key2 =	. Lite substantion	THE REAL PROPERTY.
Programable Key	Key3	N/A				n/A	- 1			🕘 You can cl	ck here to ge
Est Rey		16'A	•			10/41	IF		Keyt	more guides.	
	Key5	N/A		1	-	[38/A	- 1				
		N/A		r		IN/W	-11		Кауб		
	Key7	N'A	•	1		[IROA	- 1				
		N/A	•	1		In/A.	- 1		Key9		
	Key9	76/A		1	-	IN/A	-10	-	introspent.		
		N/A	•			10.4	-10		Key13		
	Kev11	N/A			-	IN/A	- 1		recolution at		
		N/A	-	-	-	16/4	- 1	-	4.ey12		

5. Click **Confirm** to accept the change.

### LDAP

LDAP (Lightweight Directory Access Protocol) is an application protocol for accessing and maintaining information services of the distributed directory over an IP network. The IP phone can be configured to interface with a corporate directory server that supports LDAP.

You can configure an Ext key as the LDAP key. If you press the LDAP key when the phone is idle, the IP phone will download and display the LDAP entries on the LCD screen of the phone. For more information on LDAP, refer to *LDAP Phonebook on Yealink IP Phones*.

**Note** Before configuring a LDAP key, you should enable the LDAP feature on the phone. Contact your system administrator for more information.

### To configure an Ext key as the LDAP key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select LDAP from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "LDAP".

ealink   1545	Status		Account	Net	work	Dsske	Y	Feat	tures	Setting		Directory	Security
the Kej1-0	Expension	NAY E	xpansion 1	•								NOTE	
Line Key10-18	Key	ē	Tagee	VALI		Citra I			Edenmor	ii iliter		-	
time new10-10	Keyl	Une	•		-11		Une 1	•			ň.	Ext Keys Custombes the	key feature o
Line Rey10-27		LDAP	•				N/A	- 1	-	Key2	4	the expension	module
Programable Key	Key3	(N/A)	•				N/A.					U You can di	ck here to get
EXT Key	1	fti/A	•	<u> </u>		-	WA:-			Xey4		more guides.	
111		14/A	•	1	1		N/A	- 1					
		n/A	•	1		-	N/A.	- 1		KeyB			
	Key7	N/A	•.		1		14/4	- 1	_				
		N/A	•	i.		-	NVA.	- 1	1	Key8			
	Key9	R4/4		1	-		19/4	- [	-				
		N/A	•	P.			till.A.	- 1		Key10			
	Sey11	N/A		1	1		N/A.	- 1					
	-	N/A	-1	-			N/A.	- 10		Keyt2			

4. Click **Confirm** to accept the change

# Conference

You can configure an Ext key as the conference key. When you are in a call, you can press the conference key to invite a third party to join a conference.

### To configure an Ext key as the conference key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Conference** from the pull-down list of **Type**.
- **3.** Enter the phone number or extension of the destination party in the **Value** field or leave it blank.

If a phone number is configured, you can dial out the number by pressing the conference key when the phone is idle or during a call.

4. Enter the desired value in the Label field or leave it blank.

ealink	Status	- Mx	ount	Networ	k	Daskey	Fea	tures	Settings	Directory	Security
Line Rey1-9	Expansion	Rey Expans	ign 1							NOTE	
Line Key10-18	Kay	Type	1	Value		Label	Line	Extension	. KOY	Ext Keys	
	Keyl	Line	•		2301	ine		-		Customizes the The expansion	
Line Key19-27		Conference				19/A	- )[	_	Key2 =		100000
Programable Rey	Key3	N/A	-		-	n/A	- 1			📵 You can cli	ck here to get
Ext Key		16'6	•		-	11/A			Kep4	more guides.	
	Key5	N/A	- 1		1	[B/A	- 1				
		N/A	•		-	(97A)	-11		Кауб		
	Key7	N/A	•		1	(B)A	- 1				
		N/A	•		-	10.5	- 1		Key9		
	Key0	N/A	• [		-	WA.	- 1	_	-		
		N/A	•		-	1974	- 1	-	Kay13		
	Keytt	N/A	•		1	10/8	- 1		-		
		N/A		-	-	IU/A	- 1		Kiry12		

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Conference".

5. Click **Confirm** to accept the change.

# Forward

You can configure an Ext key as the forward key. When the phone receives an incoming call, you can press the forward key to forward the incoming call to the pre-defined number (if configured). When the phone is idle, the key behavior depends on the forward modes:

Forward Modes	Key Behavior
Phone Mode	Destination number is configured: Press the Forward key to activate/deactivate the always forward feature or switch the target among Forward keys. Destination number is blank: Press the Forward key to enter the forward setting screen or activate/deactivate the forward feature (if forward has been configured from the Call Forward menu).
Custom Mode	Press the Forward key to enter the forward setting screen.

### To configure an Ext key as the forward key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Forward from the pull-down list of Type.
- **3.** Enter the destination number you want to forward the incoming calls to in the **Value** field or leave it blank.

4. Enter the desired value in the **Label** field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Forward".

ealink	Status		xount	Netwo	aric	Daskey	Fea	tures	Settings	Directory Security
Line Key1-9	Expansion	Rey Expa	neon 1							NOTE
Line Key10-18	Kay	Typ	e	Walkin.		Label	Line	Externed	Key	Ext Keys
	Key1	Une	•		2301	ine	1 • 1		i.	Customizes the key feature o the expansion module.
Line Key19-27		Forward	•		2	B/A	1		Key2 =	Une adpartance medical.
Programable Key	Key3	N/A	- 21	1	1	n/A	-)[	1		📵 You can click here to get
Est Key		16'A	•		-	11/A			Kep4	more guides.
	865	N/6	- [		1	[B/A				
		N/A •	Кауб							
		76/A	• [		1	(B/A	- 1			
		N/A	•			10.5	-		Key9	
	Key9	R/A	• [		1	N/A	- 1	_	-	
		N/A	•		1	16/4	- 1		Key13	
	Kev11	N/A	•		-	10/A	- 1	_	enconnectore.	
		N/A	- 1		-	10/4	- 1		Key12	

5. Click **Confirm** to accept the change.

# Transfer

You can configure an Ext key as the transfer key. Then you can perform a Blind, Semi-Attended or Attended Transfer by pressing the transfer key during a call.

To configure an Ext key as the transfer key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Transfer** from the pull-down list of **Type**.
- 3. Enter the phone number you want to transfer the call to in the Value field or leave it blank.
- 4. Enter the desired value in the **Label** field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Transfer".

	Status		Account	Netw	ork C	hiskey	Feat	ures	Settings	Directory	Security	
Line Key1-9	Expansion	Rey Eq	sanson 1							NOTE		
Line Key10-18	Kay	T)	pe -	Value	L.	bei.	Line	Extension	KOY	Ext Keys		
	Key1	Une	•	1	2301	ine	· • [	-		Customizes the the expansion		
Line Key19-27		Transfe			3	n/A	- )[		Kev2 =		CONSIGNATION OF CONSIGNATICON OF CONSIGNATICON OF CONSIGNATICON OF CONSIGNATIA	
Programuble Key	Key3	N/A	- 21		1	n/A	- 1	1		📵 You can cl	ck here to get	
Ext Key		16/A	•			11/A	F		Key4	more guides.		
	N/A	10/6	•		1	18/A						
		N/A	•		-	(8/A)	- 11		Kays			
		16'A	•	1		(B/A	- 1					
		N/A	• [			10/2	-10		Key9			
	Key9	16/A	• [		1	N/A'	- 1					
		N/A	• [		1	10.4	-10		Kay13			
	Kev11	N/A	•		1	10/8	-)[		escontosat.			
		N/A	- 1	-	-	10/4	- 1		Key12			

5. Click **Confirm** to accept the change.

# Hold

You can configure an Ext key as the hold key. You can hold a call or retrieve a held call by pressing the hold key.

### To configure an Ext key as the hold key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Hold from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Hold".

ealink	Status		Account	Netwo	ork	Disskey	Fe	atures	Settings	Directory Security
Line Rey1-9	Expansion	Rey	Expansion 1							NOTE
Line Key10-18	Kay		Type	Walkin.		Label	Line	Extension	Key	Ext Keys
	Key1	Une			2301	Line	1 .		. in	Customizes the key feature a the expansion module.
Line Key19-27		Hold	•	í.		[h/A	-		Key2 =	Une adpartation mediate.
Programable Key	Key3	N/A			1	n/3			U	📵 You can click here to ge
Ext Key		N/A	•			10/2	1.14		Kept	more guides.
		11/6			1	18/4				
		N/A				16/2			Кауб	
		16'A	•	1		18/4			Keyb	
		N/A	•			10.2	-		Key9	
	Key9	A'ja		0	1	16/2	-	_		
		N/A	•	1		16/2	-	<u> </u>	Key13	
	Keytt	N/A			1	10/2		-	-	
		N/A		1	-	10/2		-	Key12	

4. Click **Confirm** to accept the change.

# DND

You can configure an Ext key as the DND key. If the DND key mode is configured to "phone", press the DND key when the phone is idle to activate or deactivate DND on a per-phone basis. If the DND key mode is configured to "custom", press the DND key when the phone is idle to enter the DND setting screen. For more information on DND mode, refer to the *DND* section of *Yealink phone-specific user guide*.

### To configure an Ext key as the DND key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select DND from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "DND".

STE MERSON MALE 19	Status		Account	Netw	ork	Dsskey		Feat	tures	Settings	Directory Security
Line Key1-9	Expansion	Key E	Expansion 1								NOTE
Line Kny10-18	Key		Type	Maker		Label	U	e	Externan	Kev	Ext Keys
	Keyl	Lite	•	,	2301		1.1	+1	-		Customers the key feature of the expansion module.
Line Key19-27		DND	•	1		n	A.	- 1		Kay2	e expansion mouve.
Programatile Key	Key3	16/A	-			1	A.	- [		-	You can cick here to get
Est Key		N/A	-			18	λ.	- 1		K8y4	more guides.
	Kay5	IN/A	•		1	19	W	- 1			
		16/A	•			10	A.	-10	-	Keyő	
	Key7	N/A	•	i.		in	A:	-11	_		
		RI/A	•		-	h	λ.	- 1		Keys	
	Kay9	N/A	•	1	1	h	a (	- 1			
		10/A	•	4	1	i.	λ.	- 1		Key10	
	Key11	N/A	•	i.	1	1	A.	-1	_		
		IN/A	-			In		- 10		Gry12	

4. Click **Confirm** to accept the change.

# ReCall

You can configure an Ext key as the ReCall key. Then you can place a call back to the caller of the last incoming call by pressing the ReCall key when the phone is idle.

To configure an Ext key as the ReCall key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **ReCall** from the pull-down list of **Type**.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "ReCall".

	Status		Account	Netwo	orik	Dsskey		Fea	tures	Setting	<b>B</b> .	Directory	Security
Line Key1-9	Expansion	Key Es	panaioh 1									NOTE	
Line Key10-18	Key	-	NDR.	Value		Libei	3	Une	Externation	i ile	έ	Ext Keys	
	Keyl	Lite		,	2301	i i	19 E	+ [			ñ.	Culturians the the expansion	
Line Key19-27		Recal	•		1	1	ίλ.	- 1		Kay2	+	- the expansion	opoue.
Programation New	Key3	16/A	-			1	W.	- 1			ц.	📴 You can ch	ck here to get
Est Key		N/A					(A.)	- 1		Key4		more guides.	
	100.000	II/A	•		1	1	w.	- 1					
	1	TA'A	+	-	-	1	iA.	-1		Keyb			
	K.0y7	N/A		i.	1	B(A)	(AC						
		R/A	•		1	1	άλ.	- 1		Keys			
	Kay9	N/A	•	6	1	1	(a.)	-10	_				
		N/A	•	4	1	10	/A :	- 1	-	Key10			
	Key11	N/A	•		1	1	vA.	-1	_				
		IN/A					1/A	- 1		Gry12			

4. Click **Confirm** to accept the change.

# SMS

You can configure an Ext key as the SMS key. Then you can access the text message screen more quickly and easily by pressing the SMS key.

### To configure an Ext key as the SMS key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select SMS from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

ealink	Status		Account	Netwo	ek 🛛	Dsskey		Feat	ores	Settings		Directory	Security
Line Key1-9	Expansion	Key Es	pansion 1									NOTE	
Line Key10-18	4049	7	494	Value		Labor.	110	£	Deemon	Key		Ext. Keys	
	Kevi	Line	•		2301	10	e 1	• [			1	Cultomers the the expension	
time Rey19-27		SMS	¥.		-	10	λ/ –	ЭE		Kiey2	ē .	Con antigeration	(F)
Programable Key	Key3	16/A	•			1	A(2)						ck here to get
Est Key		N/A				1	A:	- 1		Key4		more guides.	
	Key5	1075	•		71	11	A	- 1					
		R/A	•		1	11	A.	- 10		Keyő			
	Key7	R/A	• 1		1	10	8	-11					
		R/A	• [			N	Ă.	- 6		xey8			
	KayO	N/A	• [		1	11		-1					
	N/A + N/A	-10	-	Key10									
	Keyll	N/A	-		1	Ú.	Å.	- 1					
	10000	R/A			-	N.	A	10		Key12			

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "SMS".

4. Click **Confirm** to accept the change.

### Record

Call recording allows users to record calls. Normally, there are 2 main methods to trigger a recording on a certain server. We call them record and URL record. Record is for the phone to send the server a SIP INFO message containing a specific header. URL record is for the phone to send an HTTP URL to the server. The server processes these messages and decides to start or stop a recording.

You can configure an Ext key as the record key. Then you can record calls using the record method by pressing the record key. For more information on URL record, refer to URL Record on page 50.

### To configure an Ext key as the record key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Record** from the pull-down list of **Type**.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Record"

ealink	Statur		Account	Netwo	wik 🛛	Dsskey		Feat	ores	Settings.	Directory	Security
The Key1-9	Expansion	Key E	pansion 1								NOTE	
Line Key10-18	Norse .	1	920	Value		Later.	- it	nin:	Ecemen	Key	Ext Nava	
	Kevi	Line	•		2301	10	ie 1	•	-	ñ	Cultomizes the the expansion	
1.800 Hey19-27		Record				[8]	W.	-10		Key2 =	me esterato	(TRODEDM).
Programable Key	Key3	IN/A				1	(A.)		_			ick have to get
Est Key		N/A				18	A:	- 1		Key4	more guides.	
	Key5	10/8			71	1	A	-1				
		R/A				11	A	- 1	1	Keyő	6	
	Rey7 R/A	R/A	•		1	N		-1				
		N/A				N	A.	- 1		xey8		
	Nav0	N/A		1	1	18	2	-1				
		N/A	+	6	-1-	1	A	-1		Nev10		
	KeylL	N/A	-		1	1 N	à.	- 1				
	1000	R/A		-		1	A.	- 10	-	Key12		

4. Click **Confirm** to accept the change.

# **URL Record**

You can configure an Ext key as the URL record key. Then you can record calls using the URL record method by pressing the call record key.

To configure an Ext key as the URL record key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select URL Record from the pull-down list of Type.
- 3. Enter the URL in the Value field (e.g., http://10.2.1.65).
- 4. Enter the desired value in the Label field or leave it blank.

ealink	Statu	Acce	K	t Network		Dsskey	1	Feat	ores	Settings	Directory	Security
Line Key1-9	Expansion	Key Expanse	in 1				1		- 2		NOTE	
	100	Туре	1	Value		Called.	1	ine:	Ecemen	Key	and a second sec	
Line Key10-18	Kevi	Line	•		2301	1	e t	•		18		e key feature o
Line Mey19-27		URL Record	×	http://10.2.1.65	-	E ii	ŵ.	-10	1	Key2 4	the expension	module.
Programable Key	Key3	N/A	•	-	-	1	(A.)		_			ick here to get
Ext Key		N/A			-	N	A:	- 1		Kevil	more guides.	
	Key5	10/5		( ) 	-	[]]	A.	- 1	_			
		R/A		r	-	11	Α.	- 1		Key6		
	Key7	16'A	•	-		N		- 1				
		N/A		-	-	N	A.	- 1		Key8		
	KayO	N/A		1	-	18	2	-1		-		
		N/A	•	-	-	N	A	-10		Key10		
	Keyll	N/A			1	i ii	à.	- 1				
	10000	IN/A			-	1.1	1	- 10		Key12		

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "URL Record".

5. Click **Confirm** to accept the change.

# **Multicast Paging**

Multicast paging feature allows you to quickly and easily announce time sensitive announcements to people within the multicast group. You can configure a multicast paging key on the phone, which allows you to send a Real Time Transport Protocol (RTP) stream to the pre-configured multicast address(es) without involving SIP signaling.

### To configure an Ext key as the multicast paging key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Paging from the pull-down list of Type.
- Enter the multicast IP address and port number in the Value field (e.g., 224.5.6.20:10008).
   The valid multicast IP addresses range from 224.0.0.0 to 239.255.255.255.
- 4. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display "the value specified in the Value field" (e.g., 224.5.6.20:10008).

5. Enter the desired channel in the Extension field.

	Status	Ac	:0400	t Network	Dssk	ey	Fe	atores	Settings	Directory Security
The Keyl-9	Expansion	Key Expan	sion 1							NOTE
Line Key10-18	40mg	Type		Value	Label:	- ŭ	uter:	Edenan	Key	Ext Keys
	Kevi	Live	•		2301	tre 1			- A	Customarks the key feature of the expansion module.
Line Key19-27		Paging		224.5.6.20 10008		N/A	-	0	Kiey2 =	the expension module.
Programable Key	Key3	N/A		[		80W7	1.4			👩 Yeu can click here to get
Est Key		N/A				N/A:			Kevil	more guides.
	Key5	1075		1 1		N/A	-			
		R/A		-	-	18/A -			Keyő	
	Key7	16'A	•	1		N/m				
		N/A		r i		H/A			Reys	
	Kay0	N/A		1		H/E		-		
		N/A	+	r		N/A	-	-	Key10	
	Keyll	tij/A	•	-	1	N/A	14			
	1000	B/A		F	-	EN/A		<u> </u>	Key12	

The valid channel ranges from 0 to 30.

6. Click **Confirm** to accept the change.

# **Group Listening**

You can configure an Ext key as the group listening key. Then you can activate the Speakerphone mode and Handset/Headset mode at the same time by pressing the group listening key. It is suitable for the group conversation which has more than one person at one side. You are able to speak and listen using the handset/headset; meanwhile the others nearby can only listen using the speaker. You can get back to the previous mode by pressing the group listening key again.

#### To configure an Ext key as the group listening key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Group Listening from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

ealink   1545	Statur		Account	Networ		Dsskey	Feat	tores	Settings	Directory Security
time Wey1-9	Espansion	Key Eq	nanson 1							NOTE
Line Key10-18	Norse .	T)	99	Sugar	i i	ates	Lite:	Deeman	Key	Ext Keys
	Kevi	Line	•		2301	Line	1 +		- ň	Customares the key feature of the expension module.
1 hos Key 19-27		Group L	sten +			N/A	- )[		Key2 =	the expension module.
Programable Key	Key3	N/A	•		1	10/A				👩 Yeu can slick here to get
Est Key		167.5	•		-	N/A	- 1		Key4	more guides.
	Key5	10/8	• 11		-	(NOA)	- 1			
		R/A	•		1	18/A	- 1		Keyő	
	Key7	R/A	•		1	10.0	- 1			
		R/A	•		-	H/A	- 1		Key8	
	KayO	N/A	• []		1	11/2	- 1			
		N/A	• [		-	N/A	- 1		Nev10	
	Keyll	N/A	•		1	N/A	- 1			
	1000	R/A	4.5		-	(N/A	- 1	-	Key12	

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Group Listening".

4. Click **Confirm** to accept the change.

# **Private Hold**

You can configure an Ext key as the private hold key. Then you can private hold a shared call by pressing the Private hold key when using Shared Call Appearance.

To configure an Ext key as the private hold key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Private Hold** from the pull-down list of **Type**.
- 3. Enter the desired value in the Label field or leave it blank.

ealink	Statu	Acc	ocunt	Network	Dsske	Y	Feat	ores	Settings	Directory Security
The Rey1-9	Expansion	Key Expans	ion 1							NOTE
Line Key10-18	10mg	Type		Value.	Laber.	1	nie:	Econor	Key	Ext Keys
	Kevi	Line	• [	1	2301	Line 1	•		- A	Cultomas the key feature of the expension module.
1 http://www.29-27		Private Held	64			H/A	- 10		Kiey2 =	the expension module.
Programabin Key	Key2	N/A	•			80W/			_	👩 Yeu can slick here to get
Est Key		N/A	•			N/A:	- 1		Kevit	more guides.
	Key5	16/8	•			N/A	-1			
		R/A	•	1		8/A	- 1		Keyő	
	Key7	RA	• [			N/m	-1	_		
		R/A	• [			N/A	- 1		Key8	
	KayO	N/A	• [	1		11/2	-1			
		N/A	•1	- 1	77	N/A	-1		Key10	
	Keyll	N/A	- [	1		N/A	- 1			
	10000	R/A	11			N/A	-10		Key12	

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Private Hold".

4. Click **Confirm** to accept the change.

# **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 a very long time, which means actual personal offices would be often vacant, consuming valuable space and resources.

Hot Desking is a phone feature that allows users to login or logout an IP phone. You can configure an Ext key as the hot desking key. Press the hot desking key to delete all accounts on the IP phone, and then register your account on line 1.

### To configure an Ext key as the hot desking key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Hot Desking from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

orrection and the second	Status	Acce	aunt	Network	Dsslo	ey 📔	Feat	ures	Settings:	Directory	Security
The Rey1-9	Expansion	Key Expansi	0= 1							NOTE	
Line Key10-18	Norse .	Type		Value	Laber.	6	nie:	Econor	Key	Ext Keys	
	Kevi	Line	• 🛙		2301	ine 1	•		î	Cultomizes the the expansion	
1 http://www.19-27		Hot Desking	ж Г			H/A	÷Г		Key2 =	Of Experience	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
Programation Key	Key3	IS/A	•			80/A7				📵 Yeu can ch	ck have to get
Est Key		N/A	-			N/A:	- 1		Keyi	more guides.	
	Key5	10/5	• 1			NOA:	-1				
		R/A	•			10/A	- 1		Keyő		
	Key7	R/A	• []	3		N/III	-1				
		N/A	• []			NIA	- F		Key8		
	KayO	N/A	• []			N/S	-1				
		N/A	•			N/A	-1		Key10		
	Keyll	N/A	• [	in the		N/A	- 1				
	10000	B/A	10		-	EN/A.	10		Key12		

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Hot Desking".

4. Click **Confirm** to accept the change.

### ACD

ACD feature is often used in offices for customer service, such as call center. The ACD system handles large volumes of incoming calls from callers who have no need to talk to a specific person but who require assistance from any of multiple persons at the earliest opportunity. The ACD feature on the IP phone allows the ACD system to distribute calls from large volumes of incoming calls to the registered IP phone users.

To use the ACD feature, you should configure an Ext key as the ACD key in advance. You can press the ACD key to log in the ACD system.

### To configure an Ext key as the ACD key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select ACD from the pull-down list of Type.
- 3. Enter the desired value in the Label field.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "ACD".

orroordaet (d. 875)	Status		Account	Netwo	ek 🛛	Dsskey	Fea	tores	Settings.	Directory	Security
The Key1-9	Expansion	Key Ex	pansion 1	•						NOTE	
Line Key10-18	Norse .	7	49 <del>0</del>	Sugar		Label.	UNK:	Distance	i Key	Ext Keys	
	Kevi	Line	• [		2301	Line	1 .		- ň	Cultomaxs the the expension	
1.800 Hey19-27		ACD			1	[H/A	1		Key2 =	Dis seberation	03005386)
Programable Key	Key3	N/A				10/A				🛄 Yau can ch	ck here to get
Est Key		N/A	•		-				Key4	more guides.	
	Key5	10/8	•		71	11/4	1				
		R/A	•		-	11/A	1		Keyő		
	Key7	R/A	• [		1	No. 10	-1	_			
		N/A	- 1		-	N/A	- 1		xey8		
	KayO	N/A	• [		1	11/2	-	-	-		
		N/A	- 1		1	N/A	- 1		Key10		
	Keyll	N/A	- [		1	N/A					
	10000	R/A	41		-	N/A			Key12		

4. Click **Confirm** to accept the change.

# **Zero Touch**

You can configure an Ext key as the zero touch key. Then you can configure auto provision and network parameters quickly by pressing the zero touch key when the phone is idle.

To configure an Ext key as the zero touch key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Zero Touch from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module
will display the default label "Zero Touch".

ealink	Status		ccount	Netwo	erk Dse	skey	Feat	ures	Settings.	Directory	Security
The Rey1-9	Expansion	кеу Еф	ansion 1							NOTE	
Line Key10-18	#Univ	Ŧy	10	Value	Caller		Lite:	Deeman	Key	Ext Keys	
	Kevi	Line	•		2301	tre 1		-	- if		ia kay faatsee o
1300 Hey19-27		Zero To	an 🐨		<u>.</u>	H(A)	-)[		Kiey2	The externation	1.010004080
Programable Key	Key3	N/A				10/A7		_	-		lick have to get
Est Key		N/A	-			N/A:	- 1		Key4	more guides.	
	Key5	10/5	•		21	(H/A)	-10				
		R/A	•	1	1	10/A	- 1	-	Keyő		
	Key7	R/A	•		1	Non-	- 1	_			
		N/A	•			NIA	- 1		Reys		
	Kay0	N/A	•		1	N/S	-1				
		N/A	- 1		1	N/A	-16		Key10		
	Keyll	N/A	- 1		Ξţ.	N/A	- 1				
	1000	R/A			**	EN/A.	- 10	-	Key12		

### 4. Click **Confirm** to accept the change.

# URL

You can configure an Ext key as the URL key. If you press the URL key, the phone will send HTTP requests to a web server.

### To configure an Ext key as the URL key:

- Click on **Dsskey**->**Ext Key**. 1.
- In the desired Ext key field, select **URL** from the pull-down list of **Type**. 2.
- 3. Enter the URL of the web server you want to access in the Value field (e.g., http://192.168.0.1).
- 4. Enter the desired value in the **Label** field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "URL".

	Status		Account	t Network	Dssk	pery	Feat	tores	Settings	Directory	Security
The Reyl-9	Expansion	Key E	pansion 1							NOTE	
Line Key10-18	Norse .	1	926	Value	Calles.	Ű.	atie:	Deemon	Key	Ext Keys	
	Kevi	Live	•		2301	Lne 1	-		- ñ	Cultomizes the the expansion	loay feature o
Line Key19-27		URL	¥	ttp://192.168.8.1	1	H/A-	-10	1	Key2 =	the expension	(CONTROL OF T
Programable Key	Key3	N/A		-		10/A7				📵 Yeu can ch	ck here to get
Est Key	1	N/A				N/A:	- 1		Kev4	more guides.	
	Key5	10/5		i i	1	N/A	-1	_			
		R/A		-	1	10/A	-1	1	Keyő		
	Key7	16'A	•	1		Non-	-1				
		R/A		1		N/A	- 1		Key8		
	Kay0	N/A		1		11/2	- 1	-			
		N/A	+	1		N/A	-1	-	Nev10		
	Keylt	N/A		E	1	N/A	- 1		-		
	10000	R/A	- 12	r	-	TN/A	-18		Key12		

5. Click **Confirm** to accept the change.

# **Phone Lock**

You can configure an Ext key as the phone lock key. Then you can press the phone lock key to immediately lock the keypad of your phone instead of long pressing the pound key.

To configure an Ext key as the phone lock key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Phone Lock from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

ealink has	Statu	· Acc	aunt	Network	Dsskey	Fea	tures Settings	E Directory Security
The Weyl-9	Expansion	Key Expansi	o= 1			W		NOTE
Line Key10-18	10mg	Туре		Value	Calue:	Line:	Edward Key	Ext Keys
	Keyl	Line	• []	23	01 Lm	e1 •		Customers the key feature of the expension module.
1 Inter 19-27		Phone Lock	ж Г		[10]	( )	Key2	8.
Programation Key	Key3	16/A	•		10/	V. Dell		🕘 You can click here to get
Est Key		N/A	•		[N/		KeyA	more guides.
	Key5	10/5	•		[10]	(		
		R/A	•		111	· · · · · · · · · · · · · · · · · · ·	Keyő	
	Key7	16'A	• [		10			
		N/A	• [		N		xey6	
	Nav0	N/A	• []		11/	1		
		N/A	•1		N.	-11	Key10	
	Keyll	N/A	• [		1W	1		
	10000	B/A	10				Key12	

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Phone Lock".

4. Click **Confirm** to accept the change.

# **Retrieve Park**

You can configure an Ext key as the retrieve park key. You can press the retrieve park key to retrieve a parked call.

### To configure an Ext key as the retrieve park key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select Retrieve Park from the pull-down list of Type.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Retrieve Park".

4. Select the desired line to apply this key from the pull-down list of Line.

Check with your system administrator if it is necessary.

ealink	Status	Account	t Ne	twork	Dsskey	fe	atores	Settings	Directory	Security
The Key1-9	Expansion	Key Expansion :							NOTE	
Line Key10-18	Norse .	Type	Sub	-	Cabe:	Line:	Edenue	1. Key	Ext Keys	
	Kevi	Line +		2301	Le Le	e1 +		- ñ	Customers the the expansion r	
1300 Key19-27		Retrieve Park +	*68		10	e1 +		Kiey2 =	me estamoli :	1300508).
Programable Key	Key3	16/A +	-		10/	W. De			🛄 Yeu can sik	ik hare to get
Est Key		N/A +	0		[N/	(		Key-H	more guides.	
	Key5	8/8 +		- 71	[10]					
		10/A +	1	1	11/	(	-	Keyő		
	Key7	16'A +	1		N					
		N/A +	1		H			Key8		
	KayO	N/A +	1		11/		-			
		N/A +	1		N.	-	-	Key10		
	Keyll	N/A +	1	-	LIV.	1.1.1	-			
	10000	N/A +	r		00			Key12		

5. Click **Confirm** to accept the change.

### Directory

You can configure an Ext key as the directory key. You can press the directory key to quickly access the local directory, call history, LDAP and remote phone book.

To configure an Ext key as the directory key:

- 1. Click on Dsskey->Ext Key.
- 2. In the desired Ext key field, select **Directory** from the pull-down list of **Type**.
- 3. Enter the desired value in the Label field or leave it blank.

If you leave this field blank, the LCD screen of the EXP50 color-screen expansion module will display the default label "Directory".

ealink	Statu	- ) ( <b>^</b>	count	Networ	* 1	Dsskey	Feat	tores	Settings .	Directory Security
The Key1-9	Expansion	кеу Еща	nsion 1	•						NOTE
Line Key10-18	Norse .	Typ	*	Sugar		ited.	Lite:	Deemon	Key	Ext Keys
	Kevi	Line	• []		2301	Lne	1 - 1	_	î	Cultomas the key feature of the expension module.
1300; Key19-27		Directory	- ¥ []			N/A	1		Key2 =	ON EXPERIMENT OF AND AND
Programable Key	Key3	N/A	•		1	10/A			12	👩 Yeu can slick here to get
Est Key		N/A	- 1		1	(N/A)	- 1	_	Key#	more guides.
	Key5	10/A	• 11		1	1474	- 1			
		R/A	•			10/A	- 1		Keyő	
	Key7	R/A	•		1	No.	- 1	_		
		R/A	• []		-	N/A	- 1		Key8	
	Kay0	N/A	• []		1	11/2	- 1			
		N/A	- 1		-	N/A	-11	-	Ney10	
	Keyli	N/A	-		1	14/4	- 1			
		R/A	10		-	(N/A)	- 10		Key12	

4. Click **Confirm** to accept the change.

# Using the Yealink EXP50 Color-screen Expansion Module

The use of Ext keys on the EXP50 color-screen expansion module and DSS keys on the IP phone are almost the same. For more information on using DSS keys on the IP phone, refer to *Yealink phone-specific user guide*.

This chapter provides you the following operating instructions for the EXP50 color-screen expansion module. Topics include:

- Using the Line Key
- Using the Busy Lamp Field
- Resetting the Yealink EXP50 Color-screen Expansion Module

# **Using the Line Key**

You can configure line keys to associate with a line for the connected EXP50 color-screen expansion module. Incoming calls to the line can be distributed evenly among the available line keys both on the host phone and the connected EXP50 color-screen expansion module. Each line key on the connected EXP50 color-screen expansion module can only handle one call. For more information on configuring an Ext key as the line key, refer to Line on page 26.

You can use a line key to do the following:

- Placing a call
- Answering a call
- Placing an active call on hold
- Resuming a held call

#### To place a call using the line key:

- **1.** Press the line key on the EXP50 color-screen expansion module, the host phone will enter the pre-dialing screen.
- 2. Enter the desired number using the keypad on the host phone.
- 3. Press  $\begin{pmatrix} a_k \end{pmatrix}$ ,  $\| \mathbf{\#}_{\mathbf{a}\mathbf{x}} \|$  or the **Send** soft key on the host phone.

For more information on placing a call, refer to the *Placing Calls* section of *Yealink phone-specific user guide*.

#### To answer a call using the line key:

- **1.** Press the line key with the fast-flashing green LED indicator on the EXP50 color-screen expansion module.
- **Note** The line configured on the phone takes precedence over that configured on the color-screen expansion module. Only if the line configured on the phone is being used, the LED indicator of the line key corresponding to this line on the color-screen expansion module will fast flash green when this line receives a new incoming call.

#### To place an active call on hold using the line key:

1. Press the line key corresponding to line with the active call you want to place on hold.

#### To resume a held call using the line key:

1. Press the line key corresponding to line with the held call you want to resume.

You can also view the line status through LED indicators. For more information on line key LED indications, refer to LED Instructions on page 8.

### **Using the Busy Lamp Field**

The busy lamp field (BLF) feature allows you to monitor the status change of users through BLF LED indicators. For example, you can configure a BLF key on the connected EXP50 color-screen expansion module to monitor the status of a friend's line (busy or idle). For more information on configuring an Ext key as the BLF key, refer to Busy Lamp Field (BLF) on page 28.

The BLF key LED illuminates solid red when the monitored line is in use. The BLF key LED illuminates solid green when the monitored line is idle. For more information on BLF key LED indications, refer to LED Instructions on page 8.

You can press a BLF key to dial out the monitored phone number when the monitored line is idle and pick up calls that are received on the monitored line. When there is an active call on the host phone, you can transfer the active call to the monitored phone number directly by pressing the BLF key.

For more information on using BLF feature on the phone, refer to the *Busy Lamp Field (BLF)* section of *Yealink phone-specific user guide*.

# Resetting the Yealink EXP50 Color-screen Expansion Module

You can reset the EXP50 color-screen expansion module to clear all configurations by resetting the host phone. The reset process of the EXP50 color-screen expansion module is synchronized with the host phone.

#### To reset the EXP50 color-screen expansion module via phone user interface:

- Press Menu->Advanced (password: admin) ->Reset Config->Reset to Factory on the host phone.
- 2. Press the **Reset** soft key on the host phone.

The LCD screen of the host phone prompts the following warning:

	Reset Config	
1. Reset to	Factory	
	🚯 Warning	-
	Reset to factory setting?	
Cancel		OK

3. Press the **OK** soft key on the host phone.

The LCD screen of the host phone prompts "Welcom Initializing...Please wait".



The host phone and the EXP50 color-screen expansion module will be reset to factory settings successfully after startup.

**Note** Reset of the EXP50 color-screen expansion module can lead to resetting the host phone. And then all custom settings on the host phone and the EXP50 color-screen expansion module will be overwritten after resetting.