

Deploy Yealink IP Phone for Use with Skype for Business[®]Server



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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.

Industry Canada (IC)

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Note: This device is tested and complies 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 experience 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.

GNU GPL INFORMATION

Yealink phone firmware contains third-party software under the GNU General Public License (GPL). Yealink uses software under the specific terms of the GPL. Please refer to the GPL for the exact terms and conditions of the license.

The original GPL license, source code of components licensed under GPL and used in Yealink products can be downloaded from Yealink web site:

http://www.yealink.com/GPLOpenSource.aspx?BaseInfoCateId=293&NewsCateId=293&CateId=293.

About This Guide

Yealink Skype for Business phones can work with Microsoft® Skype for Business Server. They are designed for today's busy executives and professionals. This deployment guide provides system administrators information on how to deploy Yealink Skype for Business phones with Microsoft® Skype for Business Server[™].

Deploying and registering phones with Skype for Business Server enables users to communicate with HD voice using familiar Microsoft solutions.

In This Guide

The information detailed in this guide is applicable to T48S/T46S/T42S/T41S Skype for Business phones running firmware version 9 or later. The firmware format is like x.x.x.x.rom. The second x from left must be greater than or equal to 9 (e.g., the firmware version of T46S Skype for Business phone: 66.9.0.42.rom). This deployment guide includes the following chapters:

- Chapter 1, "Getting Started" describes introductory information on available phone features.
- Chapter 2, "Deploying Phones with Skype for Business Server" describes information on setting up network and provisioning methods.
- Chapter 3, "Configuring Phones with Skype for Business Server" describes how to configure and use the phone features.
- Chapter 4, "Configuring Security Features" describes security-related features.
- Chapter 5, "Device and Firmware Support" describes updating firmware and maintaining your devices.

Documentations

The following related documents are available. You can get them from Yealink Website.

- Quick Start Guides, which describe how to assemble phones and configure the most basic features available on Skype for Business phones.
- User Guides, which describe the basic and advanced features available on Skype for Business phones.
- Auto Provisioning Guide, which describes how to configure Skype for Business phones using the configuration files.
- Description of Configuration Parameters in CFG Files, which describes all configuration parameters in the configuration files.
- <y000000000xx>.cfg and <MAC>.cfg template configuration files.

• Updating Phone Firmware from Microsoft Skype for Business Server Guide, which describes how to upgrade firmware via Skype for Business Server.

For support or service, please contact your Yealink reseller or go to Yealink Technical Support online: *http://support.yealink.com/*.

Conventions Used in Yealink Documentations

Yealink documentations contain a few typographic conventions.

You need to know the following basic typographic conventions to distinguish types of in-text information:

Convention	Description	
Bold	Highlights the web/phone user interface items such as menus, menu selections, soft keys, or directory names when they are involved in a procedure or user action (e.g., Click on Security -> License). Also used to emphasize text (e.g., Configuration File).	
Italics	Used to show the format of examples (e.g., <i>http(s)://[IPv6 address]</i>), or to show the title of a section in the reference documentations available on the Yealink Technical Support Website (e.g., <i>Triggering the IP phone to Perform the Auto Provisioning</i>).	
Blue Text	Used for cross references to other sections within this documentation (e.g., refer to Installing a Skype for Business Server Feature License).	
Blue Text in Italics	Used for hyperlinks to Yealink resources outside of this documentation such as the Yealink documentations (e.g., Yealink_Skype_for_Business_HD_IP_Phones_Auto_Provisioning_Gui de.	

Summary of Changes

This section describes the changes to this guide for each release and guide version.

Changes for Release 9, Guide Version 9.45

Major updates have occurred to the following sections:

• Signing into Skype for Business on page 15

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Getting Started

This chapter describes the available phone features, and something you need to know before deploying your phone with Skype for Business Server. Topics include:

- Available Phone Features
- Before You Begin

Available Phone Features

Phone features available on all Yealink phones registered to Skype for Business Server are listed in the following table:

Feature	Function
Auto root certificate fetch	Available using DHCP option 43
Auto root certificate retrieval	Lightweight Directory Access Protocol (LDAP) Domain Name System (DNS) query
Sign in	 PIN Authentication User Sign-in Web Sign-in Sign in via PC
Audio Codec	G722, PCMA, PCMU, G729, G726-16, G726-24, G726-32, G726-40, iLBC, G723_53, G723_63, SILK_NB, SILK_WB
Call forward, transfer, hold, mute	Phone functions
Full-duplex echo cancellation(FDX)	
Media encryption	SRTP
Direct SIP registration to Skype for Business Server	Microsoft SIP, TLS for SIP Signaling
Peer-to-peer audio calling	Initiate and receive two-party call
Message Waiting Indicator (MWI)	Illumination of MWI lamp indicates new messages
Voice mail retrieval	Connect to voice mail center
Presence publication	Indicates the status of your contacts
Presence state control	Choose from a menu of presence states

Feature	Function
Calls logs	Local call history for missed, placed, received, placed and forwarded calls
Log access	Local phone access to diagnostic logging
Device updates	Centralized phone updates from an out-of-band server
VLAN assignment	LLDP-MED VLAN assignment
Remote worker scenarios	Edge Server registration for off-location users
Firewall traversal	A/V Edge Server support using the ICE, STUN, and TURN protocols
Federation	Connect people across organizations and domains
Provisioning	Support for in-band provisioning from Skype for Business Server
Media bypass	Bypass the Skype for Business Server mediation server to send media directly to a PSTN gateway
Dial now	When the dialed number matches the dial-now rules, the
	number will be dialed out automatically.
Call forwarding to contacts	Forward incoming calls to another contact
Call forwarding to voicemail	Forward incoming calls directly to voicemail
Group Call Pickup	Pick up incoming calls within a pre-defined group
Call Queue	When someone calls in to a phone number that is setup up with a call queue, they will be put in the queue and wait for the available call agent.
Shared Line Appearance (SLA)	Enables user to share a single line with other contacts as a member of a group.
Response Groups	
Team-Call	
Delegates	
Private Lines	Alternate call-forwarding identity for a Skype for Business Server user's secondary line.
Common Area Phone(CAP)	Common aera phones are Skype for Business phones that are not associated with an individual user.
Branch Office Survivability	Ensures basic call functions during a shutdown or outage.
E911	Supports in-band provisioning information for Emergency 911
Location Services	LLDP-MED location based information support
Centralized Conference Control Protocol (CCCP)	Manage conference calls

Feature	Function	
	Skype for Business Server directory search, Outlook contact	
Skype for Business Server	search, visual voicemail, call log synchronization between	
Exchange Integration	phone, Outlook and Skype for Business Server client.	
Boss-Admin	Assign administrative delegates to answer, hold, and	
BOSS-Admin	transfer calls and make calls on behalf of boss lines	
	View detailed contact information for local or Skype for	
Directory	Business contacts and make direct calls from the Local	
	directory and Skype for Business directory	
Contact Crouns	Display and expand groups in the Skype for Business Server	
Contact Groups	user's contact list	
Contacts List	Display Skype for Business Server contacts and their current	
	presence status	
TCP Media	RTP Media and ICE negotiation supported over TCP when	
	UDP is unavailable	
Better Together over	Connect your computer to your phone and use your	
Ethernet (BToE)	computer to control calls on your phone and Skype for	
Ethernet (BTOE)	Business client	
Link Layer Discovery	Support for LLDD	
Protocol (LLDP)	Support for LLDP	
Automatic Firmware	Receive firmware updates automatically when registered	
Update	with Skype for Business Server	
Call Park	Place a call on a separate call orbit where anyone can	
	retrieve the call	
Music on Hold	Enable music for calls on hold	

Before You Begin

Before registering your phones with Skype for Business Server, you need to know the following points:

- If you are provisioning your phones, we strongly recommend using Auto Provisioning when deploying multiple phones. In this method, you need to set up a provisioning server and use configuration files to configure phone features.
- If user purchases a phone with Skype for Business Server firmware (also called Skype for Business phone), the phone has a built-in Skype for Business Server feature license which allows user to use the phone in a Skype for Business Server environment.

If users purchase Yealink phones that aren't running Skype for Business firmware, but want to upgrade it to the Skype for Business firmware, the user must purchase a Skype for Business Server feature license to use Yealink phones in a Skype for Business Server environment. Contact Yealink resellers for more information. User can also use Yealink phones in a Skype for Business Server environment for trial purposes, without purchasing a license, for a maximum of 180 days.

- Yealink releases firmware in two file formats:
- a) Cabinet (CAB) file: CAB file format is a Microsoft Windows archive file that supports lossless data compression and embedded digital certificates that maintain archive integrity. Yealink offers firmware in CAB file format so that user can update firmware from Skype for Business Server and enable the automatic firmware update feature.
- b) **Rom file:** Yealink also offers Skype for Business Server firmware in ROM file format. And the file is compressed in zip file format on *Yealink Website*, you need to download the compressed file, and then extract it into local directory.

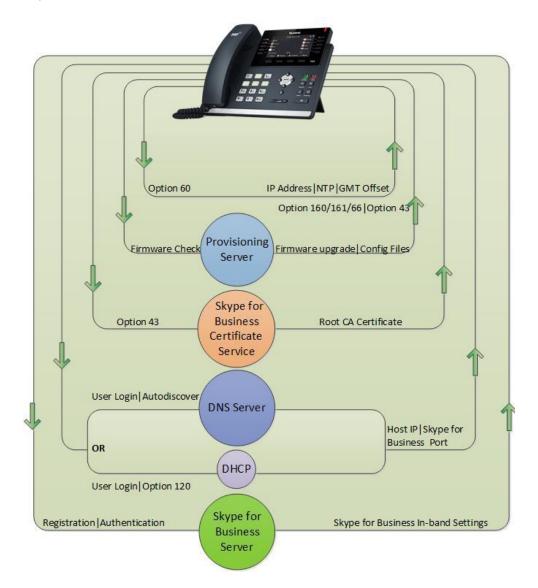
Deploying Phones with Skype for Business

Server

This chapter provides the information about deploying your phone in Skype for Business Server environment. Provisioning methods are also introduced. Topics include:

- Setting up the Network
- Provisioning Methods
- Installing a Skype for Business Server Feature License

After your phone is powered on and connected to the network, the phone performs a boot-up sequence, as shown next.



Setting up the Network

- The Skype for Business phone can discover Skype for Business Server automatically via Lyncdiscover or Domain Name System (DNS) service (SRV) records. The priority is in this order: Lyncdiscover >Domain Name System (DNS) service (SRV) records.
 For information on creating, refer to *DNS requirements for Skype for Business* on Microsoft TechNet.
- **2.** Obtain a root certificate authority (CA) security certificate in one of the following three ways:
- Yealink Skype for Business phones automatically fetch the root certificate using a Lightweight Directory Access Protocol (LDAP) Domain Name System (DNS) query. This feature is disabled by default. To enable this feature, add and set the value of the configuration parameter "sip.ldap_download_rootca.enable" to 1 (Enabled), and then perform Auto Provisioning.
- You can use Dynamic Host Configuration Protocol (DHCP) Option 43 to download a private CA root security certificate used by Skype for Business Server. The security certificate is required to support secure HTTPS and TLS. In conjunction with DHCP Option 43, ensure that your devices can access Skype for Business Server Certificate Provisioning Web service over HTTP (TCP 80) and HTTPS (TCP 443). For information on configuring DHCP Option 43, see Set Up DHCP for Devices on Microsoft TechNet.
- You can manually install certificates on the phones. The phone will verify the certificate sent by the server to decide whether it is trusted based on the trusted certificates list. For more information, refer to Uploading a Trusted Certificateon page 42.
- 3. (Optional) If you are using auto provisioning to deploy your phones, place the configuration files on the provisioning server, and use DHCP option 66 (If DHCP option 66 is not available, use Option 160/161 with the address (URL or IP address) of the provisioning server) or use other methods to make the phones obtain the provisioning server address.
- **4.** System administrator should set up accounts on the Skype for Business Server that can be used on the phones to sign in.

Provisioning Methods

Yealink provides three provisioning methods to configure phones.

The following sections describe how to configure Skype for Business phones using each method.

- Manual Provisioning Methods
- Centralized Provisioning Methods

Manual Provisioning Methods

Phone User Interface

An administrator or a user can configure and use Skype for Business phones via phone user interface. Access to specific features is restricted to the administrator. The default password is "admin"(case-sensitive). Not all features are available on phone user interface. For more information, refer to *Yealink Skype for Business phone-specific user guide*.

Web User Interface

An administrator or a user can configure Skype for Business phones via web user interface. The default user name and password for the administrator to log into the web user interface are both "admin" (case-sensitive). Most features are available for configuring via web user interface. Skype for Business phones support both HTTP and HTTPS protocols for accessing the web user interface.

To access the web user interface from your PC:

- 1. Press the **OK** key on the phone when the phone is idle to obtain its IP address.
- 2. Open a web browser on your computer, and enter the IP address in the address bar (e.g., http://192.168.0.10 or 192.168.0.10).

Login	Gigabit Color IP Phone SIP-T46S
Username Password	
Co	nfirm Cancel

- 3. Press the Enter key on your keyboard.
- **4.** Enter the user name (default: admin) and password (default: admin) in the login page and click **Confirm**.

Centralized Provisioning Methods

Use one of the following methods to centrally deploy multiple devices:

- **Auto Provisioning Server**: Set up your own provisioning server and customize feature settings using the template configuration files (download it from *Yealink Website*).
- **In-band Provisioning** via Skype for Business server: Provision multiple phones with firmware from Skype for Business Server and apply default feature settings.

The next figure illustrates how your phone interoperates with provisioning server and Skype for Business Server.



Auto Provisioning

Before beginning provisioning, you need to obtain template configuration files. There are two configuration files both of which are CFG-formatted. We call these two files Common CFG file and MAC-Oriented CFG file. The Skype for Business phone tries to download these CFG files from the provisioning server during auto provisioning.

You can ask Yealink reseller or Yealink FAE for Common CFG and MAC-Oriented files. You can also obtain the Common CFG file and MAC-Oriented file online:

http://support.yealink.com/documentFront/forwardToDocumentFrontDisplayPage.

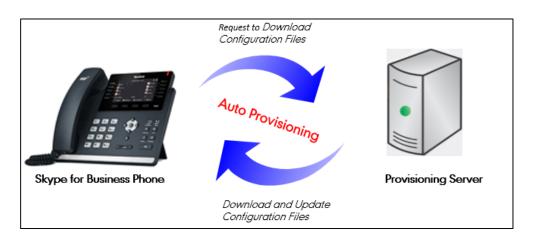
The Common CFG file is effectual for all phones of the same model. It uses a fixed name "y000000000XX.cfg" as the file name, where "XX" equals to the first two digits of the hardware version of the Skype for Business phone model.

Phone Model	Common CFG file
T48S	y0000000065.cfg
T46S	y0000000066.cfg
T42S	y0000000067.cfg
T41S	y0000000068.cfg

The names of the Common CFG file requirements for the phone model are:

The MAC-Oriented CFG files are only effectual for the specific phone. They use the 12-digit MAC address of the Skype for Business phone as the file name. For example, if the MAC address of the Skype for Business phone is 0015651130F9, the MAC-Oriented CFG file has to be named as 0015651130f9.cfg (case-sensitive) respectively.

After you edit the configuration files, place them in the provisioning server directory. Yealink Skype for Business phones support using FTP, TFTP, HTTP and HTTPS protocols to download configuration files to the phone. You can use one of these protocols for provisioning.



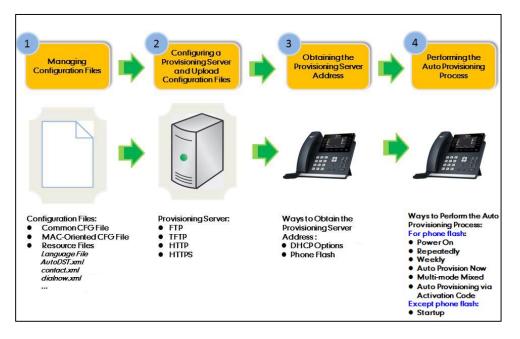
The following figure shows how the Skype for Business phone interoperates with the provisioning server:

Major Tasks for Auto Provisioning

You need to complete four major tasks to provision Yealink Skype for Business phones via auto provisioning.

- 1. Editing the configuration files (Common CFG files or MAC-Oriented files).
- **2.** Configure a provisioning server supporting FTP, TFTP, HTTP or HTTPS protocols. And store configuration files in a location on the provisioning server.
- 3. Make the phones obtain the provisioning server address.
- **4.** Trigger the phones to download and update the configuration files from the provisioning server.

The following figure shows an overview of these tasks:



For more information on how to perform these four provisioning tasks, refer to Yealink_Microsoft_Skype_for_Business_Edition_IP_Phones_Auto_Provisioning_Guide.

In-Band Provisioning

After the phone is signed in, the phone receives settings from the Skype for Business server pool through in-band provisioning.

Skype for Business in-band provisioning device settings take precedence over the same settings configured via auto provisioning. To avoid configuration conflicts, ensure that the settings applied to phones are from one source or the other. If you are provisioning in-band, remove the parameters from the configuration files before using auto provisioning method. If you are using auto provisioning, it is best practice to disable in-band provisioning device settings.

Procedure

In-band provisioning device settings can be configured using the configuration files only.

Central		Configures in-band provisioning device settings sent from Skype for Business.
Provisioning (Configuration	<y0000000000xx>.cfg</y0000000000xx>	Parameters:
File)		static.phone_setting.receive_inband.enable

Details of Configuration Parameters:

Parameters	Permitted Values	Default		
static.phone_setting.receive_inband.enable	0 or 1	1		
Description:				
Enables or disables in-band provisioning device se	ttings sent from Skype for Bu	isiness.		
0 -Disabled, the phone blocks in-band provisioning device settings sent from Skype for Business.				
1-Enabled, the phone accepts in-band provisioning device settings sent from Skype for Business.				
Note: If you change this parameter, the phone will reboot to make the change take effect.				
Web User Interface:				
None				
Phone User Interface:				
None				

Installing a Skype for Business Server Feature License

Skype for Business phone has a built-in Skype for Business Server feature license, which allows user to use Skype for Business features on the phone.

If users purchase phones which aren't running Skype for Business firmware, while the users want to upgrade it to a Skype for Business firmware, then a Skype for Business Server feature license is needed to be uploaded to the phone after the upgrade. Contact Yealink resellers to purchase the license. The following introduces how to install the licence.

Procedure

Skype for Business feature license can be configured using the configuration files or locally.

Central Provisioning (Configuration File)	<y000000000xx>.cfg</y000000000xx>	Specify the access URL of Skype for Business feature license. Parameter: lync_license_dat.url
Local	Web User Interface	Specify the access URL of Skype for Business feature license. Navigate to: http:// <phoneipaddress>/servlet?p=sec urity-license&q=load</phoneipaddress>

Details of the Configuration Parameter:

Parameter	Permitted Values	Default		
lync_license_dat.url	String within 99 characters	Blank		
Description:				
Configures the access URL of the Skype for B	Business feature license.			
Example:				
lync_license_dat.url = http://192.168.1.20/Lice	ense_\$MAC.dat			
Example:				
The phones will replace the characters "\$MA	C" with its MAC addresses during au	to		
	provisioning. For example, the MAC address of one T46S Skype for Business phone is			
00156543EC97. When performing auto provi	5 1 1	ownload		
the License_00156543ec97.dat file from the provisioning server address				
"http://192.168.1.20".				
Web User Interface:	Web User Interface:			
Security->License				
Phone User Interface:				
None				
Note: If you change this parameter, the phone will reboot to make the change take effect.				

To upload the Skype for Business feature license via web user interface:

- 1. Click on Security->License.
- 2. Click Browse to select the license from your local system.

Yealink	-	-	-	-	-	-	Log Out
TCMIII IK I T46S	Status	Account	Network	Features	Settings	Directory	Security
License	Im	iport License 🛛 🔞	•	-			NOTE
Password	Upl	load License File		Br	owse ··· Upload		security-license-note
Trusted Certificates							You can click here to get more guides.
Server Certificates							

3. Click **Upload** to upload the certificate.

Checking License Status

You can check Skype for Business Server feature license status and validity via web user interface or phone user interface.

To check license status via web user interface:

1. Click on Status->SFB Status.

Yealink 1746s	Status Account	Network Features	Settings	Directory	Log Out Security
Status	License 💡				NOTE
SFB Status	License Status	Installed			status-lync-note
or b otatab	Expire Date	2018-5-27			
Memory Info	Authentication info	0			You can click here to get more guides.

To check license status via phone user interface:

1. Press Menu->Status->License.

License				
1. License Status:	Installed			
2. Expire Date:	2018-5-27			
Back				

Note Resetting the phone to factory configurations will not clear the Skype for Business feature license.

Configuring Phones with Skype for Business Server

This chapter provides basic operating instructions for the Skype for Business Server phones. Topics include:

- Microsoft Exchange Integration
- Signing into Skype for Business
- Signing Out of Skype for Business
- Configuring Boss-Admin Feature

Microsoft Exchange Integration

The Skype for Business phone can obtain Microsoft Exchange Server address automatically via Auto discover request. This feature enables set up of visual voicemail, call log synchronization, Outlook contact search, and calendar retrieval.

If your phone fails to obtain the Microsoft Exchange Server address automatically, you can manually configure the address.

Procedure

Microsoft Exchange Server can be configured using the configuration files or locally.

Central Provisioning (Configuration	<y000000000xx>.cfg</y000000000xx>	Configures the way to obtain Microsoft Exchange Server address. Parameter: phone_setting.ews_autodiscover.enable	
File)		Specify the Microsoft Exchange Server address manually. Parameter:	
		phone_setting.ews_url	
Local		Configures the way to obtain Microsoft Exchange Server address.	
	Web User Interface	Specify the Microsoft Exchange Server address.	
		Navigate to:	
		http:// <phoneipaddress>/servlet?p=fea</phoneipaddress>	
		tures-general&q=load	

Details of Configuration Parameters:

Parameters	Permitted Values	Default				
phone_setting.ews_autodiscover.enable	0 or 1	1				
Description:	Description:					
Enables or disables the phone to obtain the automatically via Auto discover request.	Microsoft Exchange Server ac	ldress				
0 -Disabled, the phone does not obtain Micro Auto discover request. You need to configure manually.	5	2				
1 -Enabled, the phone will obtain Microsoft E discover request.	xchange Server address auto	matically via Auto				
Web User Interface:						
Features->General Information->Auto Disco	ver					
Phone User Interface:						
None						
phone_setting.ews_url String Blank						
Specify the Microsoft Exchange Server addre	ss manually.					
Note: It works only if the value of the parameter "phone_setting.ews_autodiscover.enable" is set to 0 (Disabled).						
Web User Interface:						
Features->General Information->Exchange S	Features->General Information->Exchange Server Url					
Phone User Interface:						
None						

To configure the Microsoft Exchange Server via web user interface:

1. Click on Features->General Information.

- **2.** Do one of the following:
 - If you select **Enabled** from the pull-down list of **Auto Discover**, the phone can obtain Microsoft Exchange Server address automatically.

 If you select **Disabled** in the pull-down list of **Auto Discover**, you should enter the Microsoft Exchange Server address in the **Exchange Server Url** field.

alink 1465	tus Account Network	Features	Settings	Directory	Security
General	General Information 🛛 🕜				NOTE
Information	Call Waiting	Enabled	• 🕜		Call Waiting
Audio	Key As Send	#	• 🕜		This call feature allows your phone to accept other incomi
Intercom	Hotline Number				calls during the conversation.
	Hotline Delay(0~10s)	4			Key As Send Select * or # as the send key
Remote Control	Busy Tone Delay (Seconds)	0	• ?		You can click here to get
Bluetooth	Return code when refuse	603 (Decline)	• 0		more guides.
LED	Feature Key Synchronization	Disabled	٣		
	Time-Out for Dial-Now Rule	1	0		
	Dial Search Delay	1	0		
	Call Number Filter	-	0		
	Call Number Filter	-	0		
	Search Number Filter	-			
	Voice Mail Tone	Enabled	• 🕜		
	Voice Mail without PIN	Enabled	• 🕜		
	DHCP Hostname	SIP-T46S	0		
	E911 Location Tip	Enabled	• •		
	Update Checking Time	24	0		
	Use DHCP Option 120	Disabled	• 0		
	SFB Cert Service URL		0		
	Enable SFB Automation	Disabled	• 0		
	SFB Inactive Time	5	0		
	SFB Away Time	5	0		
	Web Sign in	Enabled	• 0		
	Set as CAP	Enabled	٣		
	Remember Password	Disabled	٣		
	History Record Contacts Avatar	Enabled	٣		
	Auto Discover	Enabled	•		
	Exchange Server Url				
	Hot Desking Enable	Enabled			

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

Signing into Skype for Business

Skype for Business users are authenticated against Microsoft Active Directory Domain Service. The following four sign-in methods are available.

- **PIN Authentication**: This method uses the user's phone number (or extension) and personal identification number (PIN) to sign into Skype for Business server. This sign-in method is only applicable to On-Premises account.
- **User Sign-in**: This method uses the user's credentials (sign-in address, user name, and password) to sign into Skype for Business server. This sign-in method is applicable to On-Premises account and Online account.
- **Web Sign-in**: This method uses the unique website shown on the phone to sign in. This sign-in method is only applicable to Online account.

• **Sign in via PC**: when your phone is paired to your computer using Better Together over Ethernet (BToE), use the Skype for Business client to sign in. This sign-in method is applicable to On-Premises account and Online account.

Note

If the phone reboots after successful login, the login credentials from the previous Sign-In will be cached. User can sign in successfully without reentering the credentials.

If Active Directory Federation Services (ADFS) or Single Sign-On (SSO) authentication method is used in your environment, you can still use the user sign-in/sign in via pc/web sign-in method to sign into Skype for Business successfully.

PIN Authentication

During startup, the phone will broadcast DHCP request with DHCP options 43 to download a private CA root security certificate used by Skype for Business and obtain the Skype for Business server address. The CA root security certificate and Skype for Business server address will be found in the received DHCP response message. As a result, you can sign into Skype for Business on your phone with your PIN Authentication credentials. If the DHCP Option 43 is not configured in your network, your phone will not display PIN Authentication sign-in method.

Procedure

PIN Authentication can be configured using the configuration files or locally.

	<y0000000000xx>.cfg</y0000000000xx>	Configure PIN Authentication method. Parameter: features.pin_authentication.enable
Central Provisioning (Configuration File)		Configure PIN Authentication method. Parameter: static.account.sfb.1.pin_number
	<mac>.cfg</mac>	Configures the PIN for the PIN Authentication. Parameter:
		static.account.sfb.1.pin_password
Local	Web User Interface	Configure PIN Authentication method. Navigate to: http:// <phoneipaddress>/servlet?p=acc ount-register-lync&q=load&acc=0</phoneipaddress>
	Phone User Interface	Configure PIN Authentication.

Details of Configuration Parameters:

Parameters	Permitted Values	Default		
features.pin_authentication.enable	0 or 1	1		
Description:				
Enables or disables the user to sign into the phone	using PIN Authentication met	hod.		
0 -Disabled				
1-Enabled				
Web User Interface:				
None				
Phone User Interface:				
None				
static.account.sfb.1.pin_number	String within 128 characters	Blank		
Description:				
Configures the phone's extension for the PIN Authe	ntication method.			
Web User Interface:				
Account->Register->Extension				
Phone User Interface:				
Sign in->PIN Authentication->Extension				
static.account.sfb.1.pin_password	String within 99 characters	Blank		
Description:				
Configures the PIN for the PIN Authentication meth	od.			
Web User Interface:				
Account->Register->Pin				
Phone User Interface:				
Sign in->PIN Authentication->PIN				

To sign into the Skype for Business Server using PIN Authentication method via web user interface:

- **1.** Click on **Account**->**Register**.
- 2. Select Pin Authentication from the pull-down list of Mode.
- **3.** Enter your Skype for Business user's phone number or extension (e.g., 4040) in the **Extension** field.

4. Enter your personal identification number in the **Pin** field.

Yealink 1465	Status Account Netwo	ork Features Settings Director	Log Out
Register	Mode	Pin Authentication	NOTE
Basic Codec	Register Status Extension Pin Login address Register Name	Disabled 2010	Login address Provided by the operator login address Register Name Provided by the operator register name. Password Provided by the operator
	Password Sign In Sign Out	Cancel	Password. You can click here to get more guides.

5. Click Sign In to accept the change.

To sign into Skype for Business server using PIN Authentication method via phone user interface:

- 1. Press the Sign In soft key.
- 2. Select PIN Authentication.
- **3.** Enter your phone number or extension (e.g., 4040) in the **Extension** field.
- 4. Enter your personal identification number in the PIN field.

		Sign Iı	n	
	Sign In:	PIN Authent	ication	<>
	Extension:	4040		
	PIN:			
Bac	:k	123	Delete	Sign In

5. Press the Sign In soft key.

User Sign-in

You can sign into Microsoft Skype for Business on your phone with your login credentials, which includes your address, username, and password.

Procedure

User sign-in method can be configured using the configuration files or locally.

Central Provisioning		Configure user sign-in method.
	<mac>.cfg</mac>	Parameters:
(Configuration File)	SWACZ.cig	features.user_sign_in.enable
		static.account.sfb.1.server

		static.account.sfb.1.user_name static.account.sfb.1.password
Local	Web User Interface	Configure user sign-in method. Navigate to : http:// <phoneipaddress>/servlet? p=account-register- lync&q=load&acc=0</phoneipaddress>
	Phone User Interface	Configure user sign-in method.

1

Details of Configuration Parameters:

П

Parameters	Permitted Values	Default
features.user_sign_in.enable	0 or 1	1
Description:		
Enables or disables the user to sign into the phone	using User Sign-in method.	
0 -Disabled		
1-Enabled		
Web User Interface:		
None		
Phone User Interface:		
None		
static.account.sfb.1.server	SIP URI	Blank
Description:		
Configures the sign-in address for the user sign-in r	nethod.	
The value format is username@domain.com.		
Example:		
static.account.sfb.1.server= 4040@yealinksfb.com		
Web User Interface:		
Account->Register->Login address		
Phone User Interface:		
Sign in->User Sign-in->Address		
static.account.sfb.1.user_name	String within 128 characters	Blank
Description:		

Parameters	Permitted Values	Default					
Configures the user name for the user sign-in method	Configures the user name for the user sign-in method.						
The value format is username@domain.com or username@domain, domain.com\username or domain\username.							
Example:							
static.account.sfb.1.user_name= 4040@yealinksfb.co	om						
Web User Interface:							
Account->Register->Register Name							
Phone User Interface:							
Sign in->User Sign-in->UserName							
static.account.sfb.1.password	String within 99 characters	Blank					
Description:							
Configures the password for the user sign-in method.							
Web User Interface:							
Account->Register->Password							
Phone User Interface:							
Sign in->User Sign-in->Password							

To sign into the Skype for Business server using User Sign-in method via web user interface:

- **1.** Click on **Account->Register**.
- 2. Select User Sign in from the pull-down list of Mode.
- **3.** Enter your Skype for Business user's sign-in address (e.g., 4040@yealinksfb.com) in the **Login address** field.
- Enter your Skype for Business user name (e.g., 4040@yealinksfb.com) in the Register Name field.
- 5. Enter the sign-in password in the **Password** field.

Yealink 1465	Status Account	Network Features Settings Direct	Log Out
Register	Mode	User Sign in 🔹 🥜	NOTE
Basic	Register Status Extension	Disabled	Login address Provided by the operator login
Codec	Pin	O	address Register Name
	Login address	4040@yealinksfb.com	Provided by the operator register name.
	Register Name Password	4040@yealinksfb.com	Password Provided by the operator Password.
	Sign In Sig	In Out Cancel	You can click here to get more guides.

6. Click Sign In to accept the change.

To sign into the Skype for Business server using User Sign-in method via phone user interface:

- 1. Press the Sign In soft key.
- 2. Select User Sign-in.
- Enter your Skype for Business user's sign-in address (e.g., 4040@yealinksfb.com) in the Address field.
- **4.** Enter your Skype for Business user name (e.g., 4040@yealinksfb.com) in the **UserName** field.



- 5. Enter the sign-in password in the **Password** field.
- 6. Press the Sign in soft key.

Web Sign-in

You can sign into your Skype for Business Online account using the Web Sign-In method, which allows you to sign into the phone with your Skype for Business Online account using a web browser.

Procedure

Web sign-in can be configured using the configuration files or locally.

Central Provisioning (Configuration File)		Configure the web sign-in method. Parameter: features.web_sign_in.enable		
	<y0000000000xx>.cfg</y0000000000xx>	Configure the Server URL for device pairing. Parameter: features.device_pairing.url		
Local Web User Interface		Configure web sign-in method. Navigate to : http:// <phoneipaddress>/servlet?p=a</phoneipaddress>		

	ccount-register-lync&q=load&acc=0
Phone User Interface	Configure web sign-in method.

Details of Configuration Parameters:

Parameters	Permitted Values	Default			
features.web_sign_in.enable	0 or 1	1			
Description: Enables or disables the user to sign into the ph 0-Disabled 1-Enabled Web User Interface: Features->General Information->Web Sign in Phone User Interface: None	one using web sig	n-in method.			
features.device_pairing.url	URL within 512characters	https://bootstrap.pinau th.services.skypeforbusi ness.com/			
Configures the Server URL for device pairing, so that you can sign into the phone using web sign-in method. Example:					
features.device_pairing.url= https://bootstrap.pinauth.services.skypeforbusiness.com/					

To enable the web sign-in via web user interface:

- 1. Click on Features->General Information.
- 2. Select the desired value from the pull-down list of Web Sign in.
- If it is enabled, you can sign into the Skype for Business Server using web sign-in method.

 If it is disabled, you cannot sign into the Skype for Business Server using web sign-in method.

alink 1465	Status Account Netwo	rk Features	Settings	Directory	Security
General	General Information				NOTE
Information	Call Waiting	Enabled	• 🕜		Call Waiting
Audio	Key As Send	#	• 🕜		This call feature allows your
Intercom	Hotline Number		0		phone to accept other incomi calls during the conversation.
	Hotline Delay(0~10s)	4	0		Key As Send
Remote Control	Busy Tone Delay (Seconds)	0	• 🕜		Select * or # as the send key.
Bluetooth	Return code when refuse	603 (Decline)	• 🕜		You can click here to get
LED	Feature Key Synchronization	Disabled	• 🕜		more guides.
	Time-Out for Dial-Now Rule	1	2		
	E911 Location Tip Update Checking Time	Enabled	• 0		
	E911 Location Tip	Enabled	• 0		
	Use DHCP Option 120	Disabled	• 0		
	SFB Cert Service URL	Pro L La L	0		
	Enable SFB Automation	Disabled	• 0		
	SFB Inactive Time SFB Away Time	5	0		
	Web Sign in	Enabled	• 0		
	Set as CAP	Disabled	- 0		
	Remember Password	Disabled	- 0		
	History Record Contacts Avata	Enabled	- 0		
	Auto Discover	Enabled	- 0		
	Exchange Server Url				

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

To sign into the Skype for Business server using Web Sign-In method via web user interface:

- **1.** Click **Account->Register**.
- 2. Select Web Sign in from the pull-down list of Mode.
- 3. Click Sign in.

The web user interface will show the pairing code and URL.

Voglink			Log Out
Yealink 1465	Status Account Netw	vork Features Settings Directory	Security
Register	Mode	Web Sign in 👻 💡	NOTE
Basic Codec	Go to URL in browser: Use the code to sign in:	http://aka.ms/sphone Copy gx4bwm437 Copy	Login address Provided by the operator login address
		Cancel	Register Name Provided by the operator register name.
			Password Provided by the operator Password.
			You can click here to get more guides.

- 4. Enter the URL into the web browser.
- On the Skype for Business Authentication website, enter your email address (e.g., zhaops04@example.onmicrosoft.com) and then click Verify email.

Skype for Business Web Sign-in		
Enter your work or school email address.		
zhaops04@example.onmicrosoft.com		
Verify email		

- 6. Enter your Online account and password.
- **7.** (Optional) If you want to reduce the number of times you are asked to sign in, you can select to stay signed in.
- 8. Click Sign in.
- **9.** Enter the pairing code into your web browser.
- 10. Click Continue.
- **11.** Click the account to sign in.

A confirmation message is displayed when your phone successfully signs into Skype for Business.

To sign into Skype for Business server using Web Sign-In method via phone user interface:

1. Press the Sign In soft key.

2. Select Web Sign-in.



3. Press the Sign In soft key.

The screen will show the pairing code and URL.

	Sign In		
		<	>
Ple	Pairing Code: gstnvjmpr URL: http://aka.ms/sphone		RL
Cancel			

- 4. On your computer, enter the URL into your web browser.
- On the Skype for Business Authentication website, enter your email address (e.g., zhaops04@example.onmicrosoft.com) and then click Verify email.
- 6. Enter your Online account and password.
- 7. Click Sign in.
- 8. Enter the pairing code generated on the phone (e.g., gstnvjmpr) into the web browser.
- 9. Click Continue.
- **10.** Click the account to sign in.

A confirmation message is displayed when your phone successfully signs into Skype for Business.

Signing in via PC

When your phone and your computer are paired using Better Together over Ethernet (BToE), you can sign into your phone using the Skype for Business client on your computer.

Procedure

BToE can be configured using the configuration files.

		Configure BToE feature.			
	<y0000000000xx>.cfg</y0000000000xx>	Parameters:			
Central		sip.btoe.enable			
Provisioning (Configuration		features.sign_in_via_btoe.enable			
File)		Configures the BToE pairing mode.			
		Parameters:			
		sip.btoe.pairing_mode			
		Configure BToE feature.			
		Configures the BToE pairing mode.			
	Web User Interface	Navigate to:			
Local		http:// <phoneipaddress>/servlet?p=settin</phoneipaddress>			
		gs-btoe&q=load			
	Phone User Interface	Configure BToE feature.			
		Configures the BToE pairing mode.			

Details of Configuration Parameters:

Parameters	Permitted Values	Default				
sip.btoe.enable	0 or 1	1				
Description:						
Enables or disables the BToE (Better Together over Ethernet) feature.					
0 -Disabled, BToE is disabled on the phone. Your phone can Client.	not pair with Skype fo	r Business				
1 -Enabled), BToE is enabled on the phone. Your phone can Client.	pair with Skype for Bu	isiness				
Web User Interface:						
Settings->BToE->BToE						
Phone User Interface:						
Menu->Setting->Features->BToE->BToE	Menu->Setting->Features->BToE->BToE					
features.sign_in_via_btoe.enable 0 or 1 1						
Description:						
Enables or disables the user to sign into the phone via PC.						

Parameters	Permitted Values	Default				
0-Disabled						
1-Enabled						
Note: It works only if the value of the parameter "sip.btoe.enable" is set to 1 (Enabled).						
If it is set to 1 (Enabled), make sure your phone has paired with the Skype for Business client using BToE software, so that you can sign into the phone via PC.						
Web User Interface:						
None						
Phone User Interface:						
None						
sip.btoe.pairing_mode	0 or 1	0				
Description:						
Configures the BToE pairing mode.						
0 -Auto, you can pair your phone and PC automatically without a pairing code.						
1 -Maunal, your phone will generate a pairing code when pairing with Skype for Business client. You need to enter the pairing code on your BToE software to manually to pair your phone and Skype for Business client.						
Note: It works only if the value of the parameter "sip.btoe.enable" is set to 1 (Enabled).						
Web User Interface:						
Settings->BToE->BToE paring Mode						
Settings->BIOE->BIOE paring Mode	Phone User Interface:					

To configure BToE feature via web user interface:

- 1. Click on Settings->BToE.
- 2. Select the desired value from the pull-down list of **BToE**.

3. Select the desired generation from the pull-down list of BToE Pairing Mode.

Yealink 1465					
	Status Account I	Network Features	Settings	Directory	Security
мон	BToE:				NOTE
Preference	BToE BToE Pairing Status	Enabled	•		settings-btoe-note
Time&Date	BTOE Pairing Status BToE Pairing Mode	Auto	•		You can click here to get more guides.
Upgrade		Confirm Cancel			more guides.
Auto Provision			_		
Configuration					
Dial Plan					
Voice					
Tones					
Phone Lock					
Location					
EXP Module					
ВТОЕ					
Power Saving					

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

To configure BToE feature via phone user interface:

- 1. Press Menu->Setting->Features->BToE.
- **2.** Press (\cdot) or (\cdot) , or the **Switch** soft key to select **Enabled** from the **BToE** field.
- **3.** Press () or () , or the **Switch** soft key to select the desired pairing mode from the **BToE Pairing Mode** field.

The default value is Auto.

	BToE			
1. BToE:	Enabled	<>		
2. BToE Pairing Status:	Unpaired(Not signed in)			
3. BToE Pairing Mode:	Auto	<>		
Back	Switch	Save		

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

To use the BToE feature and sign in:

- 1. Download and install the Yealink BToE Connector application to your computer.
- 2. Sign into the Skype for Business client on your computer.
- **3.** Enable BToE and pair your phone with your computer. For more information on how to pair, refer to *Better Together over Ethernet* chapter in *Yealink Skype for Business phone-specific user guide*.

- **4.** When no user signs into the phone, a logon dialog will pop up on the Skype for Business client on your computer to prompt you to enter the password.
- 5. Enter your password and sign in.

Now that the same account is signed into your phone and the Skype for Business client, your computer and phone are paired, and BToE is activated. You can manage calls on your phone using the Skype for Business client.

If the Skype for Business Server is configured to forcibly lock the phone. You need to configure an unlock PIN at the initial sign-in.

Signing Out of Skype for Business

Procedure

Sign-out can be configured locally.

Local		Sign out of Skype for Business Server.
	Web User Interface	Navigate to:
		http:// <phoneipaddress>/servlet?</phoneipaddress>
Local		p=account-register-
		lync&q=load&acc=0
	Phone User Interface	Sign out of Skype for Business Server.

To sign out of Skype for Business Server via web user interface:

1. Click on Account->Register.

ealink 1465	Status Account Net	work Features Settings Director	Log (
Register	Mode	User Sign in 🔹 🥐	NOTE
Basic	Register Status Extension	Registered	Login address Provided by the operator login
Codec	Pin		address
	Login address	yl39@yealinksfb.com	Register Name Provided by the operator
	Register Name	yl39@yealinksfb.com	register name.
	Password	•••••••• 🕜	Password Provided by the operator
	Sign In Sign Ou	It Cancel	Password.
			You can click here to get more guides.

2. Click Sign Out to accept the change.

To sign out of Skype for Business Server:

- 1. Press the Status soft key.
- 2. Press () or () to select Sign Out.

The LCD screen prompts "Are you sure to sign out?".

3. Press the **OK** soft key.

The phone signs out of Skype for Business server. After you sign out of Skype for Business, the account-related features (calling, viewing Skype for Business contacts, calendar, etc.) are not available. However, you can still use other phone features.

Configuring Boss-Admin Feature

The boss-admin feature, which is also called boss-delegate feature, enables a "boss" phone and delegates' phones to ring simultaneously when a user calls the boss. When one party answers the call, the other phone will stop ringing. A boss can assign delegates and delegates can manage calls on behalf of the boss's line. For more information, refer to *Yealink Skype for Business phone-specific user guide*.

To assign delegates using Skype for Business client:

- **1.** Open Skype for Business client.
- 2. Sign into Skype for Business client as the person who wants to assign a delegate.
- 3. Click the 🔄 button, and then click Call Forwarding Settings.
- 4. Mark the radio box in Simultaneously ring field.
- 5. Select My Delegates from the pull-down list of Simultaneously ring.

Skype for Business - Opti	ons
General Personal Contacts List Status My Picture Phones Alerts IM Ringtones and Sounds Audio Device Video Device Call Forwarding File Saving Recording Skype Meetings	Call forwarding Learn More Calls will ring you at work and not be forwarded. Calls will ring you at work and not be forwarded. Calls will be forward my calls to: Voice Mail Calls will be forwarded immediately and not ring your work number. Calls will be forwarded immediately and not ring your work number. Calls will ring you at work and also 2248@yealinkuc.com Vour current call forwarding settings: My Team-Call Group Calls will ring you at work +2216 and also ring 2248@yealinkuc.com. Unanswered calls will go to: You cernent These settings will apply: All the time
	Edit my tean-call group members Edit my delegate members

6. In the **Delegate**s dialog box, click **Add**. Each delegate must be a Skype for Business contact.

Call Forwarding - Delegates	;				×
Delegates can schedule Skype N	leetings, make c	calls, and receive calls (if th	e box is checked) on y	our behalf.	
Receive Calls Delegate					
Add Remove					
Ring your delegates after this m	any seconds:	0 - at the same time	~		
			ОК	Cance	:

7. Select the desired delegates from the **Choose a Delegate** dialog box.

×
cel

- 8. Click **OK**.
- 9. Click OK in the Delegates dialog box.
- **10.** Click **OK** in the **Options** dialog box.

To remove a delegate from Skype for Business client:

- **1.** Open Skype for Business client.
- 2. Sign into Skype for Business client as the person who wants to remove a delegate.

Make sure **My Delegates** option is not selected in either the **Simultaneously ring** or **Forward my calls to** list.

3. Click Edit my delegate members.

Skype for Business - Optio	ns 💽
General Personal Contacts List Status	Call forwarding Image: Call forwarding Learn More Calls will ring you at work and not be forwarded.
My Picture Phones Alerts IM Ringtones and Sounds Audio Device	Calls will be forward my calls to: Voice Mail Voice Mail Calls will be forwarded immediately and not ring your work number. Simultaneously ring: Calls will ring you at work and also ring another phone or person.
Video Device Call Forwarding File Saving Recording Skype Meetings	Your current call forwarding settings: Calls will ring you at work +2216. Unanswered calls will go to: <u>Voice Mail in 20 seconds</u> These settings will apply: All the time
	Edit my team-call group members Edit my delegate members
	OK Cancel Help

4. Check the checkbox of the delegate you want to remove.

Call Forwarding - Delegates
Delegates can schedule Skype Meetings, make calls, and receive calls (if the box is checked) on your behalf.
Receive Calls Delegate
Merry
Add Remove
Ring your delegates after this many seconds: 0 - at the same time 💌
OK Cancel

- 5. Click Remove.
- 6. Click **OK** in the **Delegates** dialog box.
- 7. Click **OK** in the **Option**s dialog box.

Configuring Security Features

This chapter provides information for making configuration changes for the following securityrelated features:

- Web Server Type
- Phone Lock
- User and Administrator Passwords
- Uploading a Trusted Certificate

Web Server Type

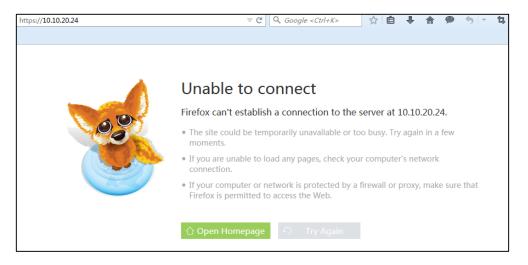
Web server type determines access protocol of the phone's web user interface. Skype for Business phones support both HTTP and HTTPS protocols for accessing the web user interface. This can be disabled when it is not needed or when it poses a security threat. For more information on accessing the web user interface, refer to Web User Interface on page 7.

HTTP is an application protocol that runs on top of the TCP/IP suite of protocols. HTTPS is a web protocol that encrypts and decrypts user page requests as well as pages returned by the web server. Both HTTP and HTTPS port numbers are configurable.

When you enable user to access web user interface of the phone using the HTTP/HTTPS protocol (take HTTPS protocol for example):

https://10.10.20.24	♥ Cª Q Google <ctrl+k></ctrl+k>	☆ 🛍	•	^	- t	Π
	Login Gigabit Color IP Phone SIP-T46S Username admin Password]				

When you disable user to access web user interface of the phone using the HTTP/HTTPS protocol (take HTTPS protocol for example):



Procedure

Web server type can be configured using the configuration files or locally.

Central Provisioning (Configuration File)	<y000000000xx>.cfg</y000000000xx>	Configure the web access type, HTTP port and HTTPS port. Parameters: static.wui.http_enable static.network.port.http static.wui.https_enable static.network.port.https
Local	Web User Interface Phone User Interface	Configure the web access type, HTTP port and HTTPS port. Navigate to : http:// <phoneipaddress>/servlet? p=network-adv&q=load Configure the web access type, HTTP port and HTTPS port.</phoneipaddress>

Details of Configuration Parameters:

Parameters	Permitted Values	Default
static.wui.http_enable	0 or 1	1

Parameters	Permitted Values	Default		
Description:				
Enables or disables the user to access web user inte	rface of the phone using the I	HTTP		
protocol.				
0 -Disabled				
1-Enabled				
Note: If you change this parameter, the phone will r	eboot to make the change ta	ke effect.		
Web User Interface:				
Network->Advanced->Web Server->HTTP				
Phone User Interface:				
Menu->Setting->Advanced (default password: adm Status	in)->Network->Webserver Ty	vpe->HTTP		
static.network.port.http	Integer from 1 to 65535	80		
Description:				
Configures the HTTP port for the user to access web	user interface of the phone u	using the		
HTTP protocol.				
Note: If you change this parameter, the phone will r	eboot to make the change ta	ke effect.		
Web User Interface:				
Network->Advanced->Web Server->HTTP Port(1~6	5535)			
Phone User Interface:				
Menu->Setting->Advanced (default password: adm Type->HTTP Port	in) ->Network->Webserver			
static.wui.https_enable	0 or 1	1		
Description:				
Enables or disables the user to access web user interface of the phone using the HTTPS protocol.				
0-Disabled				
1-Enabled				
Note: If you change this parameter, the phone will reboot to make the change take effect.				
Web User Interface:	-			
Network->Advanced->Web Server->HTTPS				
Phone User Interface:				
Menu->Setting->Advanced (default password: admin) ->Network->Webserver				
Type->HTTPS Status				

Parameters	Permitted Values	Default		
static.network.port.https	Integer from 1 to 65535	443		
Description:				
Configures the HTTPS port for the user to access web user interface of the phone using the HTTPS protocol.				
Note: If you change this parameter, the phone will reboot to make the change take effect.				
Web User Interface:				
Network->Advanced->Web Server->HTTPS Port(1~65535)				
Phone User Interface:				
Menu->Setting->Advanced (default password: adm Type->HTTPS Port	in)->Network->Webserver			

1. Click on **Network->Advanced**.

- 2. Select the desired value from the pull-down list of HTTP.
- Enter the desired HTTP port number in the HTTP Port(1~65535) field.
 The default HTTP port number is 80.
- 4. Select the desired value from the pull-down list of HTTPS.
- 5. Enter the desired HTTPS port number in the HTTPS Port(1~65535) field.

		-		-				Log Out
Yealink 1465	Status	Account	Network	Features	Settings	Directory	Security	
Basic	LLDP	0					NOTE	
			Active	Enabl	ed	~	VLAN	
PC Port			Packet Interval (1~36	00s) 60			A VLAN is a logical network (or LAN) t	that extends
Advanced	CDP	0					beyond a single tra to a group of LAN	aditional LAN
			Active	Enabl	ed	~	given specific conf	igurations.
			Packet Interval (1~36	00s) 60			QoS When the network	
				:			insufficient, QoS co priority to users by value.	
	Web S	erver 🕜		•			Local RTP Port	
			HTTP	Enabl	ed	\checkmark	Define the port for transmission.	voice
			HTTP Port (1~65535)	80			You can click	here to get
			HTTPS	Enabl	ed	~	more guides.	<u>,</u>
			HTTPS Port (1~6553	5) 443				
	802.13	(🕜						
			802.1x Mode	Disab	led	~		
			Identity			_		
			MD5 Password					
			CA Certificates	Uplo	ad	Browse		
			Device Certificates	Upla	be	Browse		
	Span	to PC 🕜						
			Span to PC Port	Disab	oled	×		
	ICMP	v6 Status	0					
			Active	Enab	led	•		
		C	onfirm		Cancel			

The default HTTPS port number is 443.

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

A dialog box pops up to prompt that settings will take effect after a reboot.

7. Click **OK** to reboot the phone.

To configure web server type via phone user interface:

- Press Menu->Setting->Advanced (default password: admin)->Network->Webserver Type.
- Press () or (), or the Switch soft key to select the desired value from the HTTP Status field.
- 3. Enter the desired HTTP port number in the HTTP Port field.
- **4.** Press (•) or (•), or the **Switch** soft key to select the desired value from the **HTTP Status** field.
- 5. Enter the desired HTTPS port number in the HTTPS Port field.
- 6. Press the Save soft key to accept the change.

A dialog box pops up to prompt that the settings will take effect after a reboot.

7. Press **OK** to reboot the phone.

Phone Lock

If system administrator sets the policy "ucEnforcePinLock" = true on the Skype for Business Fronted Server, user can use phone lock feature to lock the phone to prevent it from unauthorized use. And the phone will prompt the user to configure an n-digit lock PIN at the initial sign-in.

Procedure

Phone lock configured using the configuration files or locally.

Central Provisioning (Configuration File)	<y000000000xx>.cfg</y000000000xx>	Configures the time (in minutes) the phone can be idle before it automatically locks. Parameter : sfb.phone_lock.time_out Configures the unlock attempts. Parameter : sfb.phone_lock.max_attempts
		Configures the phone to be locked and unlocked automatically with the paired PC. sfb.phone_lock_with_pc.enable
		Configures the time (in minutes) the phone can be idle before it automatically locks.
	Web User Interface	Configures the unlock attempts. Configures the phone to be locked and unlocked automatically with the paired PC.
Local		Navigate to: http:// <phoneipaddress>/servlet? p=settings-phonelock&q=load</phoneipaddress>
		Configures the time (in minutes) the phone can be idle before it automatically locks.
	Phone User Interface	Configures the unlock attempts. Configures the phone to be locked and unlocked automatically with the paired PC.

Details of Configuration Parameter:

Parameters	Permitted Values	Default							
sfb.phone_lock.time_out	1 to 1440	10							
Configures the time (in minutes) the phone can be idle before it automatically locks.									
Web User Interface:	Web User Interface:								
Settings->Phone Lock->Idle time-out(1~14	40mins)								
Phone User Interface:									
Menu->Setting->Basic->Phone Lock->Idle	time-out								
sfb.phone_lock.max_attempts	3 to 10	5							
Configures the maximum number of unsucc is not during a call.	essful unlock attempts for	a locked phone that							
Web User Interface:									
Settings->Phone Lock->Max attempts of ur	llock								
Phone User Interface:									
Menu->Setting->Basic->Phone Lock->Unlo	ock attempts								
sfb.phone_lock_with_pc.enable	0 or 1	1							
Enables or disables your phone to be locked an unlock your computer.	nd unlocked automatically w	hen you lock or							
0 -Enabled									
1-Disabled									
Note : It works only when your phone is paired with your computer using the BToE (Better Together over Ethernet) application and the BToE status is Paired (Sign In).									
Web User Interface:									
Settings->Phone Lock->Phone Lock with PC									
Phone User Interface:									
Menu->Setting->Basic->Phone Lock->Phor	ne Lock with PC								

To configure phone lock via web user interface:

- **1.** Click on **Settings**->**Phone Lock**.
- 2. Select the **Enabled** from the pull-down list of **Phone Lock**.
- 3. Enter the lock PIN in the Phone Unlock PIN(6~15 Digit) field.
- 4. Enter the desired time in the Idle time-out(1~1440mins) field.
- 5. Select the desired value from the pull-down list of Max attempts of unlock.

6. Select the desired value from the pull-down list of Phone Lock with PC.

Yealink 1465	Status Account Network	Features Settings Directory	Log Out
MOH Preference Time&Date Upgrade Auto Provision Configuration Dial Plan Voice Tones Phone Lock	Phone Lock Phone Unlock PIN(6~15 Digit) idel time-out(1-1440mins) Max attempts of unlock Phone Lock with PC Confirm	Enabled	NOTE settings-phonelock-note On can click here to get more guides.

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

To configure phone lock via phone user interface:

- 1. Press Menu->Setting->Basic->Phone Lock->Phone Lock.
- 2. Configures the desired fields.
- 3. Press the **Save** soft key to accept the change.

User and Administrator Passwords

Some menu options are protected by two privilege levels, user and administrator, each with its own password. When logging into the web user interface, you need to enter the user name and password to access various menu options. The default user password is "user" and the default administrator password is "admin"

For security reasons, the user or administrator should change the default user or administrator password as soon as possible. A user or an administrator can change the user password. The administrator password can only be changed by an administrator.

Advanced menu options are strictly used by administrators. Users can configure them only if they have administrator privileges.

Procedure

User or administrator password can be changed using the following methods.

Central Provisioning (Configuration File)	<y0000000000xx>.cfg</y0000000000xx>	Change the user or administrator password of the phone. Parameter: static.security.user_password
Local	Web User Interface	Change the user or administrator password of the phone.

	Navigate to: http:// <phoneipaddress>/servlet? p=security&q=load</phoneipaddress>
Phone User Interface	Change the administrator password of the phone.

Details of the Configuration Parameter:

Parameter	Permitted Values	Defaul				
static.security.user_password	String within 32 characters	user				
Description:						
Configures the password of the user or adn	ninistrator for phone's web user interf	ace access				
The phone uses "user" as the default user p administrator password.	bassword and "admin" as the default					
The valid value format is username:new pas	ssword.					
Example:						
static.security.user_password = user:123 me name is "user") to password 123.	eans setting the password of user (cur	rent user				
static.security.user_password = admin:456 r (current user name is "admin") to password	5	istrator				
Note : Phones support ASCII characters 32-126(0x20-0x7E) in passwords. You can set the password to be empty via web user interface only.						
Web User Interface:						
Security->Password						
Phone User Interface:						
Menu->Setting->Advanced (default password: admin)->Set Password						
Note : You cannot change the user password via phone user interface.						

- **1.** Click on **Security**->**Password**.
- 2. Select the desired value (user or admin) from the pull-down list of User Type.
- 3. Enter new password in the New Password and Confirm Password fields.

Valid characters are ASCII characters 32-126(0x20-0x7E) except 58(3A).

Yealink	_	_	_	_	-	-	_	Log Out
Teamink 1 T46S	Status	Account	Network	Features	Set	tings	Directory	Security
License		User Type		user	•	0		NOTE
Password		Old Password New Password		•••••		0		User Type Select your type. If you log in
Trusted Certificates		Confirm Password		•••••		0		as user, you can only change your own password. If you login
Server Certificates				_		_		as an administrator, you can modify both the user's and admin's passwords.
		Confi	irm		Cancel			You can click here to get more guides.

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

Note

If logging into the web user interface of the phone with the user credential, you need to enter the old user password in the **Old Password** field.

To change the administrator password via phone user interface:

- 1. Press Menu->Setting->Advanced (default password: admin)->Set Password.
- 2. Enter the current administrator password in the Current PWD field.
- Enter new password in the New PWD field and Confirm PWD field.
 Valid characters are ASCII characters 32-126(0x20-0x7E).
- 4. Press the Save soft key to accept the change.

Uploading a Trusted Certificate

When the Skype for Business phone requests a TLS connection with a server, the Skype for Business phone should verify the certificate sent by the server to decide whether it is trusted based on the trusted certificates list.

The Skype for Business phone has 51 built-in trusted certificates. You can upload 10 custom certificates at most. The format of the trusted certificate files must be *.pem,*.cer,*.crt and *.der and the maximum file size is 5MB.

Yealink Skype for Business phones trust the following CAs by default:

- DigiCert High Assurance EV Root CA
- Deutsche Telekom AG Root CA-2
- Equifax Secure Certificate Authority
- Equifax Secure eBusiness CA-1
- Equifax Secure Global eBusiness CA-1
- GeoTrust Global CA
- GeoTrust Global CA2
- GeoTrust Primary CA
- GeoTrust Primary CA G2 ECC

- GeoTrust Universal CA
- GeoTrust Universal CA2
- Thawte Personal Freemail CA
- Thawte Premium Server CA
- Thawte Primary Root CA G1 (EV)
- Thawte Primary Root CA G2 (ECC)
- Thawte Primary Root CA G3 (SHA256)
- Thawte Server CA
- VeriSign Class 1 Public Primary Certification Authority
- VeriSign Class 1 Public Primary Certification Authority G2
- VeriSign Class 1 Public Primary Certification Authority G3
- VeriSign Class 2 Public Primary Certification Authority G2
- VeriSign Class 2 Public Primary Certification Authority G3
- VeriSign Class 3 Public Primary Certification Authority
- VeriSign Class 3 Public Primary Certification Authority G2
- VeriSign Class 3 Public Primary Certification Authority G3
- VeriSign Class 3 Public Primary Certification Authority G4
- VeriSign Class 3 Public Primary Certification Authority G5
- VeriSign Class 4 Public Primary Certification Authority G2
- VeriSign Class 4 Public Primary Certification Authority G3
- VeriSign Universal Root Certification Authority
- Microsoft_IT_SSL_SHA2.cer
- CNNIC_Root.cer
- baltimoreCyberTrust.cer
- UserTrust.cer
- AAA Certificate Services.cer
- DigiCert Assured ID Root CA.cer
- Entrust.net Certification Authority (2048).cer
- Entrust Root Certification Authority
- Entrust.net Secure Server Certification Authority
- GTE CyberTrust Global Root.cer
- Starfield Class 2 Certification Authority.cer
- AddTrust External CA Root
- Go Daddy Class 2 Certification Authority
- StartCom Certification Authority
- DST Root CA X3
- ISRG Root X1 (intermediate certificates: Let's Encrypt Authority X1 and Let's Encrypt

Authority X2 are signed by the root certificate ISRG Root X1.)

- Baltimore CyberTrust Root
- DigiCert Cloud Services CA-1
- D-Trust Root Class 3 CA 2 2009
- AddTrust External CA Root
- Starfield Root Certificate Authority G2
- **Note** Yealink endeavors to maintain a built-in list of the most commonly used CA Certificates. Due to memory constraints, we cannot ensure a complete set of certificates. If you are using a certificate from a commercial Certificate Authority not in the list above, you can send a request to your local distributor. At this point, you can upload your particular CA certificate into your phone.

Uploading a Trusted Certificate from the Provisioning

Server

Procedure

Configuration changes can be performed using the configuration files or locally.

Configuration File	<y000000000xx>.cfg</y000000000xx>	Upload the trusted certificates. Parameter: static.trusted_certificates.url
Local	Web User Interface	Upload the trusted certificates. Navigate to : http:// <phoneipaddress>/servlet?p=ser ver-cert&q=load</phoneipaddress>

Details of Configuration Parameters:

Parameters	Permitted Values	Default					
static.trusted_certificates.url	URL within 511 characters	Blank					
Description:							
Configures the access URL of the custom trusted certificate used to authenticate the							
connecting server.							
Example:							

static.trusted_certificates.url = http://192.168.1.20/tc.crt

Note: The certificate you want to upload must be in *.pem, *.crt, *.cer or *.der format.

Parameters	Permitted Values	Default				
Web User Interface:						
Security->Trusted Certificates->Load trusted certificates file						
Phone User Interface:						
None						

Uploading a Trusted Certificate via Web User Interface

To upload a trusted certificate via web user interface:

- 1. Click on Security->Trusted Certificates.
- 2. Click **Browse** to select the certificate (*.pem, *.crt, *.cer or *.der) from your local system.

Ma anti-a la l						Log Out
Yealink 1465	Status	Account	Network Feat	ures Settings	Directory	Security
License	Index ID	Issued To	Issued By	Expiration	Delete	NOTE
	1 1	vealinkuc-YLAD-CA-1		Jan 12 11:40:48 2020 GMT	r 🖻	
Password	2					Trusted Certificates The trusted certificates list.
Trusted Certificates	3					You can click here to get
Server Certificates	4					more guides.
	5					
	6					
	7					
	8					
	9					
	10					
					Delete	
			Only Accept Trusted Certif	icates Disabled	• 0	
			Common Name Validation	Disabled	• 0	
			CA Certificates	All Certificates	• 0	
	Im	port Trusted Certifi	cates 🕜			
	Loa	d trusted certificates	file Browse No fi	le selected. Up	load	
		Confirm	1	Cancel		

3. Click **Upload** to upload the certificate.

Device and Firmware Support

This section provides information on updating and maintaining your devices and the firmware:

- Upgrading Firmware
- Resetting the Phone to Factory Default Settings
- Branch Office Resiliency

Upgrading Firmware

Yealink supports three methods to upgrade phone firmware:

- **Upgrade firmware via web user interface**: Download firmware in ROM format, and upload it to the phone via web user interface. This method can deploy a single phone.
- **Upgrade firmware from provisioning server**: Download firmware in ROM format, and use centralized provisioning method to upgrade the firmware. This method requires setting up a provisioning server, and uses configuration files to provision the phone.
- **Upgrade firmware from Skype for Business Server**: Download firmware in CAB file format, and place the firmware on Skype for Business Server to provision the phone.

The following table lists the associated and latest firmware name for Skype for Business phone model.

Phone Model	Associated Firmware Name	Firmware Name(.rom)	Firmware Name(.cab)
T48S/T46S/T42S/T41S	66.x.x.x.rom	66.9.0.42.rom	Yealink_ver_66.9.0.42.cab

Note

You can download the latest firmware online: http://support.yealink.com/documentFront/forwardToDocumentFrontDisplayPage.

-

Do not unplug the network and power cables when the Skype for Business phone is upgrading firmware.

Upgrading Firmware via Web User Interface

To manually upgrade firmware via web user interface, you need to store firmware to your local system in advance.

To upgrade firmware manually via web user interface:

- 1. Click on Settings->Upgrade.
- 2. Click Browse to locate the required firmware from your local system.

3. Click Upgrade.

Yealink 1465	Status Account Networ	k Features Settings	Directory	Log Out
МОН				NOTE
Preference	Version 🕜 Firmware Version	66.9.0.42		Reset to Factory Setting Reset all the settings of the
Time&Date	Hardware Version	66.0.0.128.0.0.0		phone to default configurations.
Upgrade	Reset to Factory Setting			Select and Upgrade Firmware Select and upgrade the file from
Auto Provision	Reset To Factory	Reset To Factory	0	the hard disk or network.
Auto Provision	Reboot	Reboot		You can click here to get
Configuration	Select and Upgrade Firmware 💡	Browse No file selected.		more guides.
Dial Plan		Upgrade		

A dialog box pops up to prompt "Firmware of the Sphone will be updated. It will take 5 minutes to complete. Please don't power off!".

4. Click **OK** to confirm the upgrade.

Note Do not close and refresh the browser when the Skype for Business phone is upgrading firmware via web user interface.

Upgrading Firmware from the Provisioning Server

Phones support using FTP, TFTP, HTTP and HTTPS protocols to download configuration files and firmware from the provisioning server, and then upgrade firmware automatically.

Phones can download firmware stored on the provisioning server in one of two ways:

- Check for configuration files and then download firmware during startup.
- Automatically check for configuration files and then download firmware at a fixed interval or specific time.

Method of checking for configuration files is configurable.

Procedure

Configuration changes can be performed using the configuration files or locally.

	Configure the way for the phone to check for configuration files.	
	Parameters:	
Central		static.auto_provision.power_on
Provisioning (Configuration File)	static.auto_provision.repeat.enable	
	static.auto_provision.repeat.minutes	
	static.auto_provision.weekly.enable	
	static.auto_provision.weekly.begin_time	
		static.auto_provision.weekly.end_time
		static.auto_provision.weekly.dayofweek

		Specify the access URL of firmware.
		Parameter:
		static.firmware.url
		Configure the phone to be reset to factory after an upgrade.
		Parameter:
		static.auto_provision.reset_factory.enable
		Configure the way for the phone to check for configuration files.
Local	Web User Interface	Navigate to:
		http:// <phoneipaddress>/servlet?p=setti ngs-autop&q=load</phoneipaddress>

Details of Configuration Parameters:

Parameters	Permitted Values	Default		
static.auto_provision.power_on	0 or 1	1		
Description:				
Triggers the power on feature to on or off.				
0-Off				
1-On, the phone will perform an auto provision	ning process when powered on.			
Web User Interface:				
Settings->Auto Provision->Power On				
Phone User Interface:				
None				
static.auto_provision.repeat.enable	static.auto_provision.repeat.enable 0 or 1 0			
Description:				
Triggers the repeatedly feature to on or off.				
0-Off				
1-On, the phone will perform an auto provision	ning process repeatedly.			
Web User Interface:				
Settings->Auto Provision->Repeatedly				
Phone User Interface:				
None				

Parameters	Permitted Values	Default
static.auto_provision.repeat.minutes	Integer from 1 to 43200	1440
Description:		
Configures the interval (in minutes) for the phore repeatedly.	one to perform an auto provisionin	g process
Note: It works only if the value of the paramet to 1 (On).	er "static.auto_provision.repeat.ena	able" is set
Web User Interface:		
Settings->Auto Provision->Interval(Minutes)		
Phone User Interface:		
None		
static.auto_provision.weekly.enable	0 or 1	0
Description:		
Triggers the weekly feature to on or off.		
0-Off		
1-On, the phone will perform an auto provision	ning process weekly.	
Web User Interface:		
Settings->Auto Provision->Weekly		
Phone User Interface:		
None		
static.auto_provision.weekly.begin_time	Time from 00:00 to 23:59	00:00
Description:		
Configures the begin time of the day for the pl process weekly.	none to perform an auto provision	ing
Note: It works only if the value of the paramet to 1 (On).	er "static.auto_provision.weekly.en	able" is se
Web User Interface:		
Settings->Auto Provision->Time		
Phone User Interface:		
None		
static.auto_provision.weekly.end_time	Time from 00:00 to 23:59	00:00

Parameters	Permitted Values	Default
Description:		
Configures the end time of the day for the pho weekly.	ne to perform an auto provisionin	g process
Note: It works only if the value of the parameter to 1 (On).	er "static.auto_provision.weekly.en	able" is se
Web User Interface:		
Settings->Auto Provision->Time		
Phone User Interface:		
None		
static.auto_provision.weekly.dayofweek	0, 1, 2, 3, 4, 5, 6 or a combination of these digits	012345
Description:		
Configures the days of the week for the phone weekly.	to perform an auto provisioning p	process
0 -Sunday		
1-Monday		
2-Tuesday		
3-Wednesday		
4 -Thursday		
5-Friday		
6 -Saturday		
Example:		
static.auto_provision.weekly.dayofweek = 01		
It means the phone will perform an auto provis	ioning process every Sunday and	Monday.
Note: It works only if the value of the parameter	er "static.auto_provision.weekly.en	able" is se
to 1 (On).		
Web User Interface:		
Settings->Auto Provision->Day of Week		
Phone User Interface:		
None		
static.firmware.url	URL within 511 characters	Blank
Description		1
Description: Configures the access URL of the firmware file.		

Parameters	Permitted Values	Default			
Example:					
static.firmware.url = http://192.168.1.20/66.9.0.42.rom					
Note: If you change this parameter, the phone	will reboot to make the change ta	ke effect.			
Web User Interface:					
Settings->Upgrade->Select and Upgrade Firm	ware				
Phone User Interface:					
None					
static.auto_provision.reset_factory.enable	0 or 1	0			
Description:					
Enables or disables the phone to be reset to fa	ctory.				
0-Disabled					
1-Enabled					
Note : You can reset your phone to factory using this parameter once only.					

To configure the way for the Skype for Business phone to check for configuration files via web user interface:

- 1. Click on Settings->Auto Provision.
- 2. Make the desired change.

	Status Account Netw	vork Features Sett	ings Directory	Security
мон	Auto Provision			NOTE
	PNP Active	🔘 On 🖲 Off 🕜		
Preference	DHCP Active	🖲 On 🔘 Off 🕜		Auto Provision The auto provision paramete
Time&Date	Custom Option(128~254)	160,161		for administrator.
Upgrade	DHCP Option Value	MS-UC-Client		You can click here to get
Auto Provision	Server URL		0	more guides.
Auto Provision	User Name		0	
Configuration	Password	•••••	ã	
Dial Plan	Common AES Key	•••••	0	
Voice	MAC-Oriented AES Key	•••••	0	
	Zero Active	Disabled 👻	0	
Tones	Wait Time(1~100s)	5	0	
Phone Lock	Power On	ම On © Off 🕜	•	
Location	Repeatedly	🛇 On 🖲 Off 🕜		
EXP Module	Interval(Minutes)	1440	0	
	Weekly	🔍 On 🔍 Off 💡		
BTOE	Time	00 : 00 - 00 : 00	0	
Power Saving		 ✓ Sunday ✓ Monday ✓ Tuesday 		
	Day of Week	 ✓ Wednesday ✓ Thursday ✓ Friday ✓ Saturday 		

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

When the "Power On" is set to **On**, the phone will check configuration files stored on the provisioning server during startup and then will download firmware from the server.

Updating Phone Firmware from Skype for Business Server

You can update firmware from Skype for Business Server. Before updating firmware from Skype for Business Server, you must upload the update package (*.CAB) to your Skype for Business Update Server in advance. For more information, refer to *Updating Phone Firmware from Microsoft Skype for Business Server*.

Automatic Update

Update checking time defines a period of time for the phone to automatically check a firmware update on Skype for Business Server.

Procedure

Update checking time can be configured using the configuration files or locally.

Central Provisioning (Configuration File)	<y0000000000xx>.cfg</y0000000000xx>	Configure update checking time. Parameters : sfb.update_time
Local	Web User Interface	Configure update checking time. Navigate to : http:// <phoneipaddress>/servlet?p=featur es-general&q=load</phoneipaddress>

Details of Configuration Parameters:

Parameters	Permitted Values	Default	
sfb.update_time	Integer from 1 to 48	24	
Description:			
Configures the auto timer (in hours) for the phone to automatically check if there is a firmware update available on Skype for Business Server.			
If it is set to 24, the phone will check if a firmware update is available on the Skype for Business Server every 24 hours.			
Note: If you change this parameter, the phone will reboot to make the change take effect.			

Web User Interface:

Features->General Information->Update Checking Time

Parameters	Permitted Values	Default
Phone User Interface:		
None		

To configure update checking time via web user interface:

- 1. Click on Features->General Information.
- 2. Enter the desired value in the Update Checking Time field.

			Log Out
Yealink 1465			
	Status Account Network	Features Settings	Directory Security
General	General Information 🛛 🧿		NOTE
Information	Call Waiting	Enabled 🔻 🕜	
Audio	Key As Send	# 🗸 🕜	Call Waiting This call feature allows your phone to accept other incoming
Intercom	Hotline Number		calls during the conversation.
Intercom	Hotline Delay(0~10s)	4	Key As Send Select * or # as the send key.
Remote Control	Busy Tone Delay (Seconds)	0 🗸	
Bluetooth	Return code when refuse	603 (Decline) 🔹 🥝	You can click here to get more guides.
LED	Feature Key Synchronization	Disabled v	
	Time-Out for Dial-Now Rule	1	
	Dial Search Delay	1	
	•		
	Call Number Filter	-	
	Search Number Filter	•	
	Voice Mail Tone	Enabled 🔻 🕜	
	Voice Mail without PIN	Enabled 🔻 🕜	
	DHCP Hostname	SIP-T46S	
	E911 Location Tip	Enabled 🔻	
	Update Checking Time	24	
	Use DHCP Option 120	Disabled 🔻 💡	
	SFB Cert Service URL		
	Enable SFB Automation	Disabled 🔻 💡	
	SFB Inactive Time	5	
	SFB Away Time	5	
	Web Sign in	Enabled 🔻	
	Set as CAP	Enabled v	
	Remember Password	Disabled v	
	History Record Contacts Avatar	Enabled *	
	Auto Discover	Enabled 🔻	
	Exchange Server Url		
	Hot Desking Enable	Enabled -	
	Confirm	Cancel	

A dialog box pops up to prompt that settings will take effect after a reboot.

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

Manual Update

You can initiate an update immediately, just power off the phone and power on it again. The phone will boot up, check for updates and apply the updates. You can also trigger an update manually via phone user interface.

To trigger an update manually via phone user interface:

- 1. Press Menu->Setting->Advanced (default password: admin)->Firmware Update.
- 2. Press the Update soft key.

	Firmware Update	
	New firmware, update now?	- 45
	,	
Cancel		ОК

3. Press the **OK** soft key to confirm the update.

If there is no update available on Skype for Business Server, the LCD screen prompts "The firmware is the latest".

Firmware Update				
	The firmware is the latest			
OK				

Resetting the Phone to Factory Default Settings

Reset the phone to factory configurations after you have tried all appropriate troubleshooting suggestions but still have not solved your problems.

When factory resetting the phone, the following happens:

- The call logs will be deleted.
- Passwords will be reset to default.
- All configuration parameters will be reset to default values.
- All custom files will be deleted. Such as, local contacts and registered accounts.

To reset the phone via phone user interface:

- 1. Press Menu->Setting->Advanced (default password: admin)->Reset Config.
- 2. Press the Save soft key.

The LCD screen prompts the following warning:



3. Press the OK soft key.

The LCD screen prompts "Resetting to factory, please wait...". The phone will be reset to factory settings successfully after startup.

To reset the phone via web user interface:

1. Click on Settings->Upgrade->Reset to Factory Setting.

Yealink	Status Account Network	Features Settings	Directory	Log Out
МОН				NOTE
Preference	Version ?	66.9.0.42		Reset to Factory Setting Reset all the settings of the
Time&Date	Hardware Version	66.0.0.128.0.0.0		phone to default configurations.
Upgrade	Reset to Factory Setting			Select and Upgrade Firmware Select and upgrade the file from
Auto Provision	Reset To Factory	Reset To Factory	0	the hard disk or network.
Configuration	Reboot Select and Upgrade Firmware 🛛	Reboot ? Browse No file selected.		You can click here to get more guides.
Dial Plan		Upgrade		

2. Click Reset to Factory.

The web user interface prompts the message "Do you want to reset to factory?".

3. Click **OK** to confirm the resetting.

The Skype for Business phone will be reset to factory sucessfully after startup.

Reset of your phone may take a few minutes. Do not power off until the phone has started up successfully.

Branch Office Resiliency

Branch office resiliency is critical for multi-site deployments of Microsoft Skype for Business Server where the control servers are located at a central site or data center. It allows branch site users to continue to have Enterprise Voice service and voice mail (if voice mail rerouting settings are configured) when the branch site loses the connection to the central site.

Note

When the WAN connection between the branch site and central site is unavailable, the phone goes into resiliency mode:

- Branch site user on the phone stays signed in with an indication of "Limited service due to outage".
- Presence icon on the phone LCD screen is displayed as Unknown icon: (T46S/T48S)/ (T42S/T41S).
- Call between branch site users is established successfully with 2-way audio.
- Conference between branch site users can be established successfully.
- The call history cannot get modified. (Already downloaded call log entries will not be deleted)
- Calls can be placed from the call history on the Skype for Business phone.
- Contact list is unavailable but you can search for a contact on the Skype for Business phone.
- User is not able to change his presence state manually.
- User is not able to use calendar feature.
- User is not able to receive the voice mail as exchange is unreachable and when Skype for Business phone comes out of resiliency mode, it downloads the yet undownloaded voice mail items and updates the voice mail screen.
- Calls between the branch office phones can be transferred to another branch site user.
- Call forward settings cannot be changed.

When the WAN connection between the branch site and central site becomes available, the phone comes out of resiliency mode automatically. You can use phone features as normal.