Yealink T58A&T56A Microsoft Skype for Business Edition Release Notes of Version 9

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Yealink T58A&T56A Microsoft Skype for Business Edition Release Notes of Version 55.9.0.5

1. Introduction

● Firmware Version:

T58A: 55.9.0.2 upgrades to 55.9.0.5

T56A: 55.9.0.2 upgrades to 55.9.0.5

● Applicable Models: T58A, T56A

● Release Date: Nov 5th, 2018.

2. New Features

1. Added the feature of Intercom.
2. Added the feature of Bluetooth for T58A Skype for Business phone.
3. Added the feature of Audio Recording.
4. Added the feature of Multicast Paging.
5. Supports EXP50 Expansion Module.
6. Added the feature of Wi-Fi for T58A Skype for Business phone.
7. Added the feature of Music on Hold.
8. Added the feature of Provisioning Methods Priority.
9. Supports USB headset.
10. Added the feature that you can press **Add to SFB** to add the contacts to Skype for Business directory.

3. Optimization

None

4. Bug Fixes

None

5. New Features Descriptions

1. Added the feature of Intercom.

Description: Intercom allows establishing an audio conversation directly. The phone can answer intercom calls automatically. Intercom calls include outgoing intercom calls and incoming intercom calls, and there are four configuration options for incoming intercom calls: Intercom Allow, Intercom Mute, Intercom Tone and Intercom Barge.

The parameters in the auto provision template are described as follows:

features.intercom.enable =

features.intercom.outgoing =

features.intercom.allow =

features.intercom.barge =
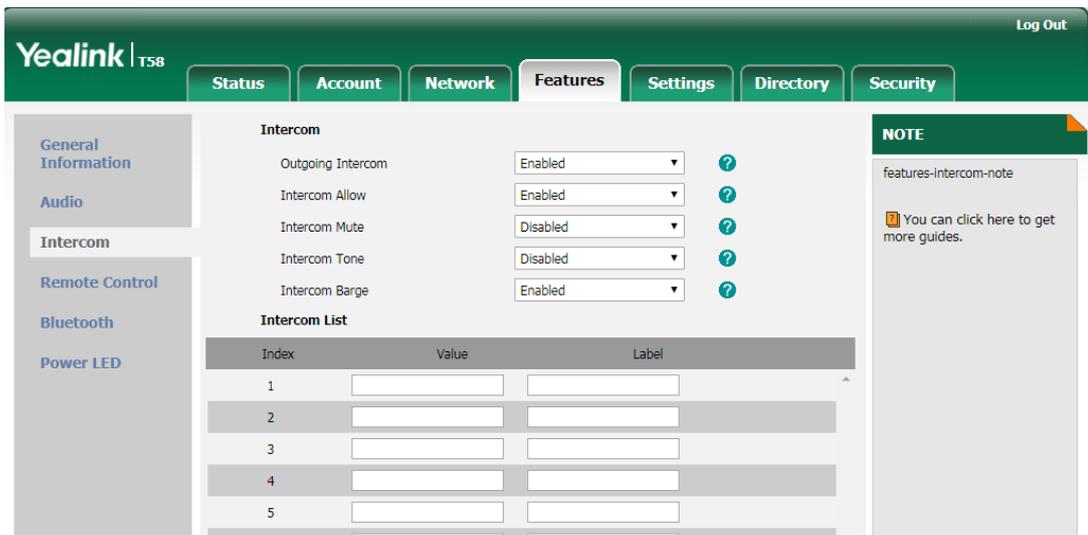
features.intercom.mute =

features.intercom.tone =
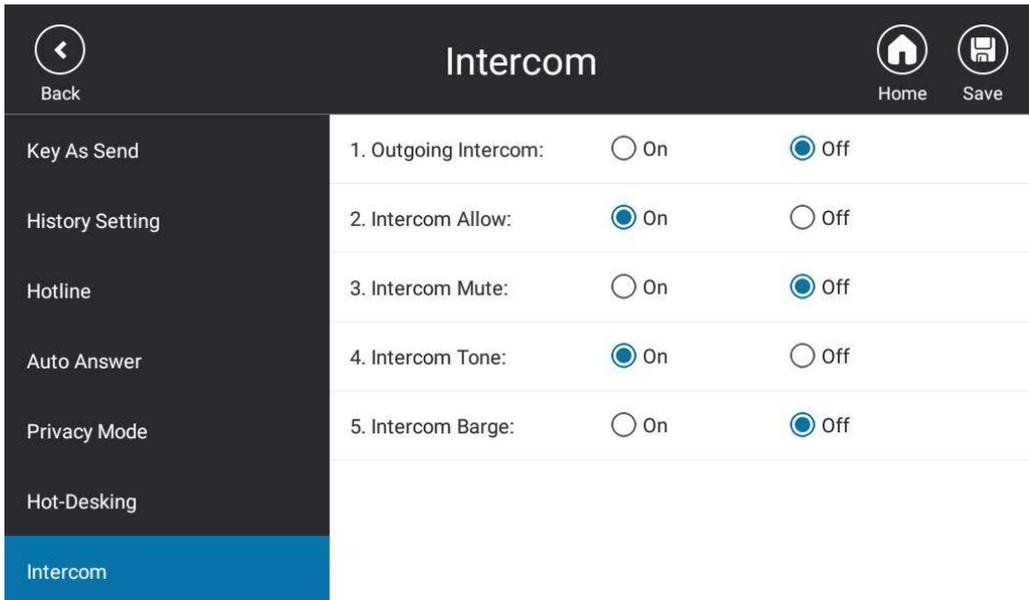
intercom.x.label =

intercom.x.value =

To configure intercom features via web user interface:

Click **Features** -> **Intercom**.

To configure the intercom feature via phone user interface:

Tap **Menu** -> **Settings** -> **Features** -> **Intercom**.

2. **Added the feature of Bluetooth for T58A Skype for Business phone.**

   Description: You can use your T58A Skype for Business phone as a Bluetooth speaker for your mobile phone and manage calls for your mobile phone. You can personalize the Bluetooth device name. The pre-configured Bluetooth device name will display in scanning list of other devices. It is helpful for the other Bluetooth devices to identify and pair with your phone.

   The parameters in the auto provision template are described as follows:
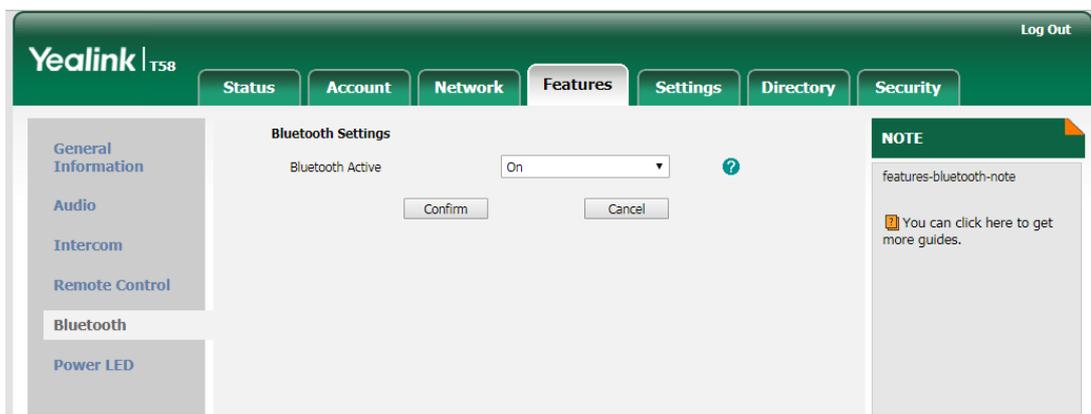
   bluetooth.function.enable =

   features.bluetooth_enable =

   features.bluetooth_adapter_name =
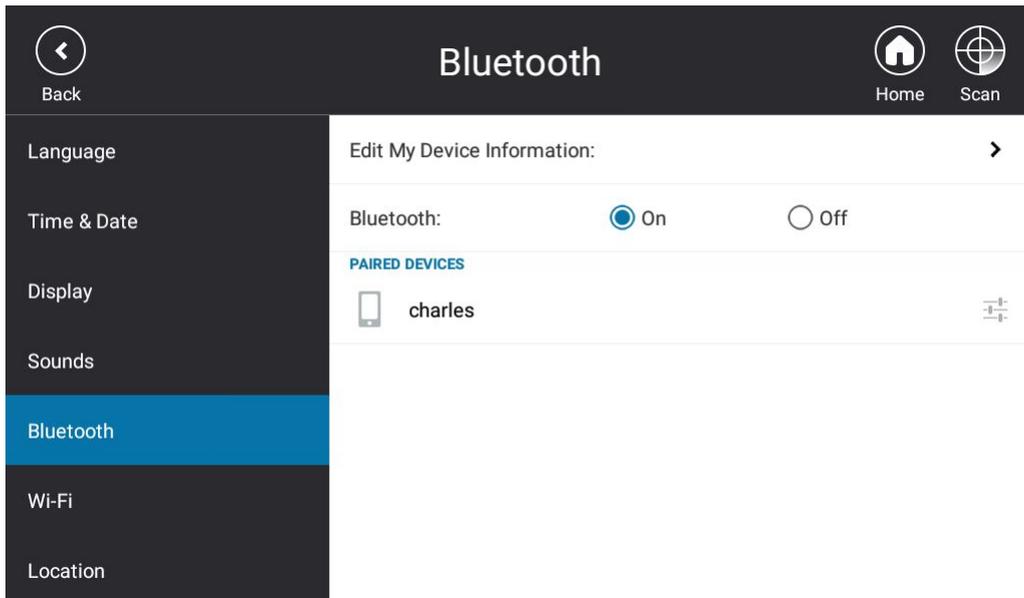
   To active the Bluetooth mode via web user interface:

   Click **Features** -> **Bluetooth**.

   To active the Bluetooth mode via phone user interface:

   Tap **Menu** -> **Setting** -> **Basic** -> **Bluetooth**.

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3. **Added the feature of Audio Recording.**

   Description: Yealink phones support recording during a call. Before recording, ensure that the USB flash drive has been inserted into the USB port of the phone. You need to press the Start REC soft key during a call to record the audio call or conference.

   The parameters in the auto provision template are described as follows:

   features.usb_call_recording.enable =
   features.call_recording.fast_entrance =

4. **Added the feature of Multicast Paging.**

   Description: Multicast paging allows the phone to send/receive Real-time Transport Protocol (RTP) streams to/from the pre-configured multicast address(es) without involving SIP signaling.

   The parameters in the auto provision template are described as follows:

   multicast.codec =
   multicast.paging_address.X.ip_address =
   multicast.paging_address.X.label =
   multicast.listen_address.X.ip_address =
   multicast.listen_address.X.label =
   multicast.receive_priority.enable =
   multicast.receive_priority.priority =
   features.paging.enable =

To configure sending multicast addresses via web user interface:

Click **Directory** -> **Multicast IP**.
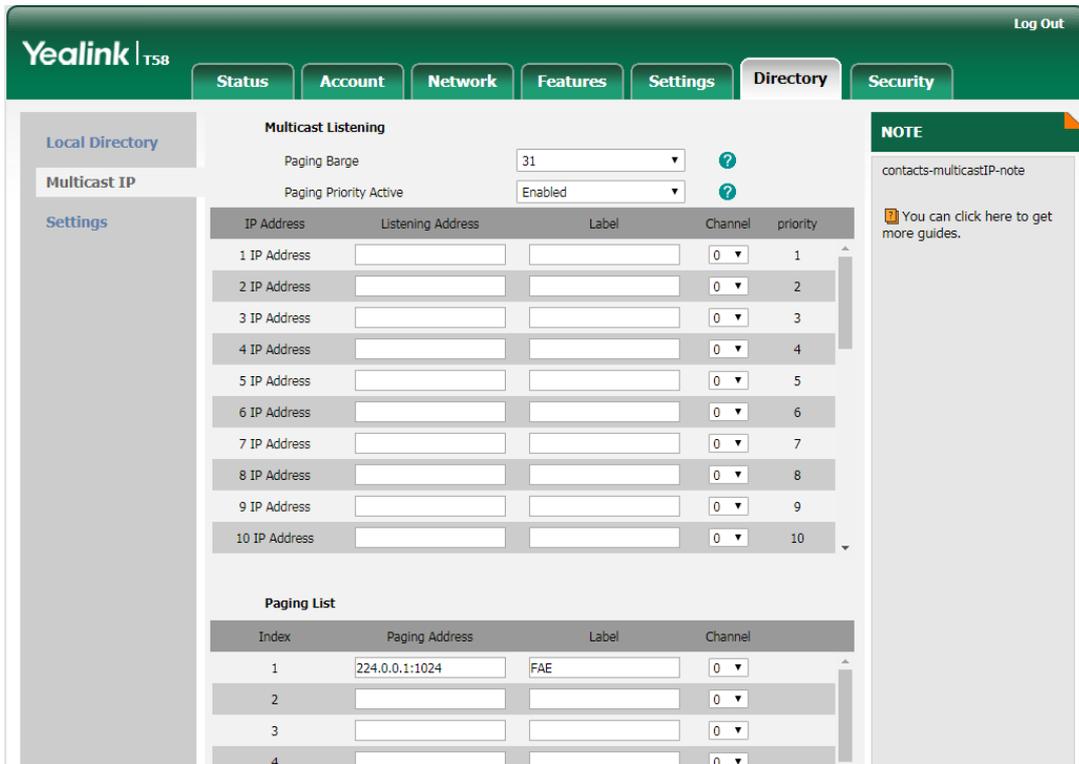
To configure paging list via phone user interface:

Tap **Menu** -> **Setting** -> **Features** -> **Paging List**.
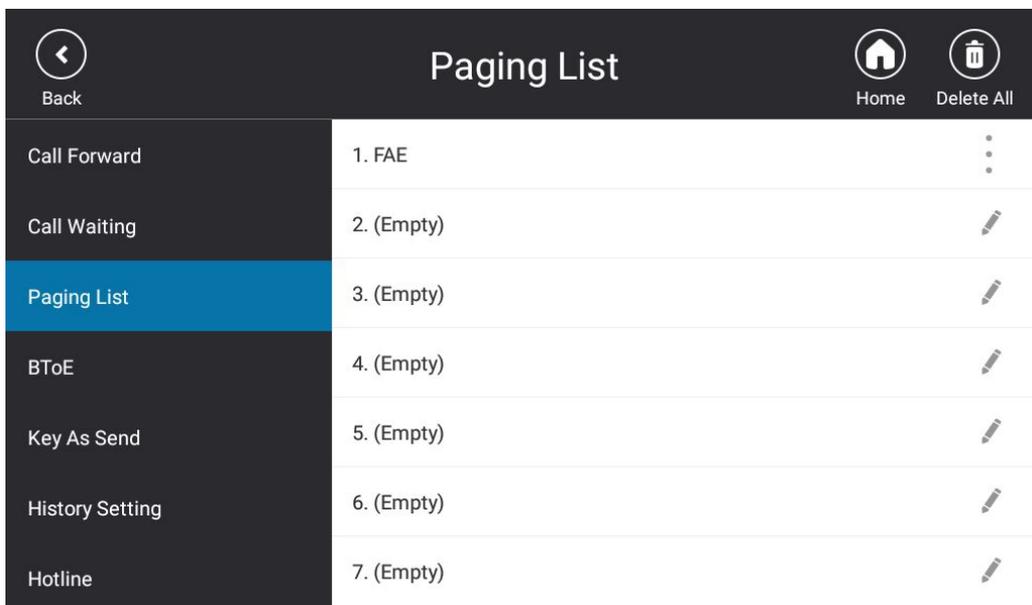
5. **Supports EXP50 Expansion Module.**

   Description: You can connect an EXP50 to T58A/T56A Skype for Business phones.
   When your T58A/T56A is registered with a Skype for Business account, you can

assign contacts to EXP keys on your EXP50 expansion module, so that you can quickly call contact by pressing the corresponding EXP key. You can also monitor your Skype for Business contacts' presence status from your expansion module.

To assign contact group to the EXP50 expansion module via web user interface:
Click **Settings** -> **EXP Module**.
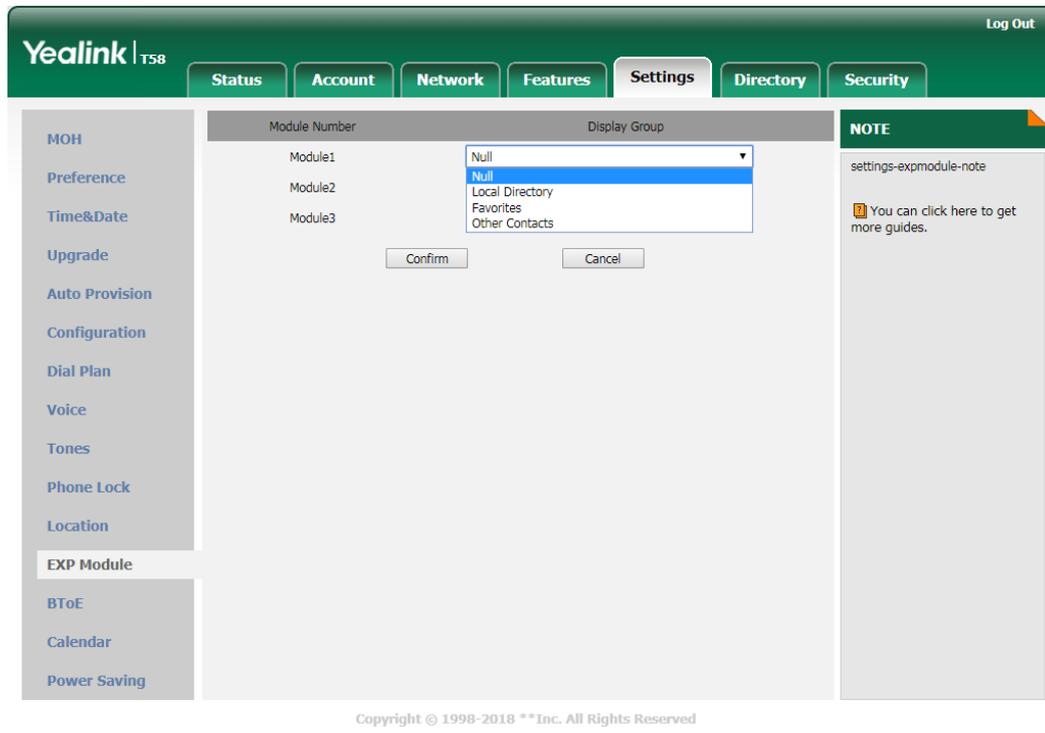
6. **Added the feature of Wi-Fi for T58A Skype for Business phone.**

Description: Wi-Fi feature enables users to connect their phones to the organization's wireless network. The wireless network is more convenient and cost-effective than wired network. When the Wi-Fi feature is enabled, the phone will automatically scan the available wireless networks. All the available wireless networks will display in scanning list on the touch screen. You can store up to 5 frequently-used wireless networks on your phone and specify the priority for them.

The parameters in the auto provision template are described as follows:

static.wifi.enable =

static.wifi.x.label =

static.wifi.x.ssid =

static.wifi.x.security_mode =

static.wifi.x.cipher_type =

static.wifi.x.password =

static.wifi.x.priority =

static.wifi.x.eap_user_name =

static.wifi.x.eap_type =

static.wifi.x.eap_password =

wifi.function.enable =

To activate the Wi-Fi mode via phone user interface:

Tap **Menu** -> **Setting** -> **Basic** -> **Wi-Fi**.
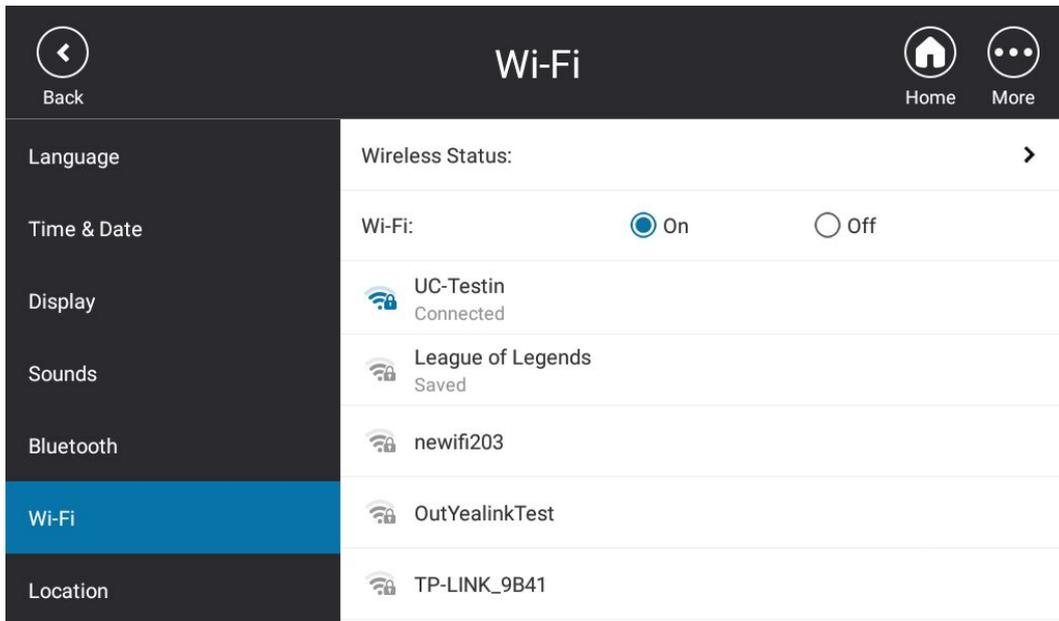
7. **Added the feature of Music on Hold.**

   Description: Music on Hold (MoH) is the business practice of playing recorded music to fill the silence that would be heard by the party who has been placed on hold. When a call is placed on hold, the phone will play a ring tone to the held party. Users can upload a custom music to the phone or use the music received from the Skype for Business server via In-band provisioning method.

   The parameters in the auto provision template are described as follows:

   sfb.music_on_hold.enable =

   sfb.music_on_hold.mode =

   sfb.music_on_hold.url =

   sfb.music_on_hold.delete =

   To configure music on hold via web user interface:

   Click **Settings** -> **MOH**.
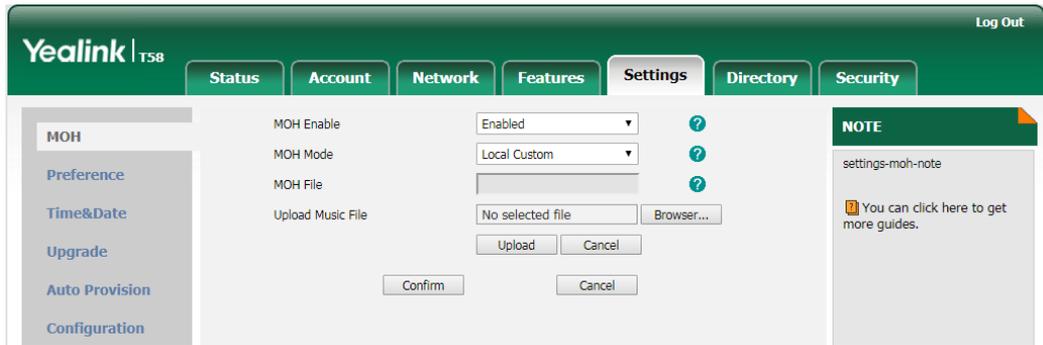
8. **Added the feature of Provisioning Methods Priority.**

Description: By default, different provisioning methods (central provisioning, in-band Provisioning and manual Provisioning) have no priority. That is, the subsequent operations always override previous operations regardless of the provisioning method you are using. If users want to keep the personalized settings, the system administrator can enable the provisioning methods priority to ensure that provision with high priority will not be overwritten by provision with low priority.

The parameters in the auto provision template are described as follows:

static.auto_provision.custom.protect =

static.phone_setting.receive_inband.enable =

6. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log							
Firmware Version：[55.9.0.2]-[55.9.0.5]							
Feature	Provisioning syntax Comparison		Permitted Values	Default Value	Action	Description	File
	55.9.0.2	55.9.0.5					
WiFi		wifi.function .enable =	0 or 1	1	Add	Enables or disables the Wi-Fi feature. 0-Disabled 1-Enabled Note: If you change this parameter, the phone will reboot to make the change take effect.	common. cfg
WiFi		static.wifi.en able =	0 or 1	0	Add	It enables or disables the Wi-Fi feature.	common. cfg

WiFi					0-Disabled 1-Enabled	
WiFi		static.wifi.x.label =	String within 32 characters	Blank	Add	It configures the profile name of the wireless network X for the IP phone. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled).	common. cfg
WiFi		static.wifi.x.ssid =	String within 32 characters	Blank	Add	It configures the Service Set Identifier (SSID) of the wireless network X. SSID is a unique identifier for accessing wireless access points. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled).	common. cfg
WiFi		static.wifi.x.security_mode =	NONE, WEP, WPA-PSK, WPA2-PSK, WPA-EAP or WPA2-EAP	NONE	Add	It configures the security mode of the wireless network X. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled).	common. cfg
WiFi		static.wifi.x.cipher_type =	NONE, WEP, TKIP, AES or TKIP AES	NONE	Add	It configures the encryption type of the wireless network X. If the value of the parameter "static.wifi.x.security_mode" is set to NONE, the permitted value of this parameter is NONE. If the value of the parameter "static.wifi.x.security_mode" is set to WEP, the permitted value of this parameter is WEP. If the value of the parameter "static.wifi.x.security_mode	common. cfg

WiFi						” is set to other values, the permitted values of this parameter are TKIP, AES or TKIP AES. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled).	
WiFi		static.wifi.x.password =	String within 64 characters	Blank	Add	It configures the password of the wireless network X. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled) and "static.wifi.x.security_mode" is set to WEP, WPA-PSK or WPA2-PSK.	common. cfg
WiFi		static.wifi.x.priority =	Integer from 1 to 5	1	Add	It configures the priority for the wireless network X for the IP phone. 5 is the highest priority, 1 is the lowest priority. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled).	common. cfg
WiFi		static.wifi.x.eap_user_name =	String within 32 characters	Blank	Add	It configures the EAP authentication username of the wireless network X. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled), "static.wifi.x.security_mode" is set to WPA-EAP or WPA2-EAP and the value of the parameter "static.wifi.x.eap_type" is set to TTLS or PEAP .	common. cfg
WiFi		static.wifi.x.eap_type =	TTLS, PEAP or TLS	Blank	Add	It configures the EAP authentication mode of the wireless network X. Note: It works only if the value of the parameter	common. cfg

					"static.wifi.enable" is set to 1 (Enabled) and "static.wifi.x.security_mode" is set to WPA-EAP or WPA2-EAP.	
WiFi		static.wifi.x.eap_password =	String within 64 characters	Blank	Add	It configures the EAP authentication password of the wireless network X. Note: It works only if the value of the parameter "static.wifi.enable" is set to 1 (Enabled) and "static.wifi.x.security_mode" is set to WPA-EAP or WPA2-EAP.	common.cfg
Voice Mail		account.1.voice_mail.skip_pin.enable =	0 or 1	1	Add	It enables or disables the IP phone to access voice mail box without entering PIN. 0-Disabled 1-Enabled	mac.cfg
Expansion Module		phone_setting.exp40_led.enable =	0 or 1	1	Add	It enables or disables the EXP key indicator LED on the expansion module to monitor the status of the Skype for Business contacts. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the EXP key LED indicators corresponding to your Skype for Business contacts are off. If it is set to 0 (Enabled), the EXP key LED indicators vary depending on the status of your Skype for Business contacts.	common.cfg
Multicast Paging		multicast.codec =	PCMU, PCMA, G729, G722	G722	Add	It configures the codec for multicast paging. Example: multicast.codec = G722F201	common.cfg
Multicast Paging		multicast.receive_priority.enable =	0 or 1	1	Add	It enables or disables the IP phone to handle the incoming multicast paging	common.cfg

						calls when there is an active multicast paging call on the IP phone. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the IP phone will ignore the incoming multicast paging calls when there is an active multicast paging call on the IP phone. If it is set to 1 (Enabled), the IP phone will receive the incoming multicast paging call with a higher priority and ignore that with a lower priority.	
Multicast Paging		multicast.receive_priority.priority =	Integer from 0 to 10	10	Add	It configures the priority of the voice call (a normal phone call rather than a multicast paging call) in progress. 1 is the highest priority, 10 is the lowest priority. 0-Disabled, all incoming multicast paging calls will be automatically ignored when a voice call is in progress. 1-1 2-2 3-3 … 10-10 If it is set to other values, the IP phone will receive the incoming multicast paging call with a higher or equal priority and ignore that with a lower priority when a voice call is in progress.	common.cfg
Multicast Paging		multicast.listen_address.x.label =	String within 99 characters	Blank	Add	It configures the label to be displayed on the LCD screen when receiving the multicast	common.cfg

					paging calls. Example: multicast.listen_address.1.label = Paging1	
Multicast Paging		multicast.listen_address.x.ip_address =	IP address: port	Blank	Add	It configures the multicast address and port number that the IP phone listens to. Example: multicast.listen_address.1.ip_address = 224.5.6.20:10008 Note: The valid multicast IP addresses range from 224.0.0.0 to 239.255.255.255.	common.cfg
Multicast Paging		multicast.paging_address.x.ip_address =	String	Blank	Add	It configures the IP address and port number of the multicast paging group in the paging list. It will be displayed on the LCD screen when placing the multicast paging call. Example: multicast.paging_address.1.ip_address = 224.5.6.20:10008 multicast.paging_address.2.ip_address = 224.1.6.25:1001 Note: The valid multicast IP addresses range from 224.0.0.0 to 239.255.255.255.	common.cfg
Multicast Paging		multicast.paging_address.x.label =	String	Blank	Add	It configures the name of the multicast paging group to be displayed in the paging list. It will be displayed on the LCD screen when placing the multicast paging calls. Example: multicast.paging_address.1.label = Product	common.cfg
Multicast Paging		features.paging.enable =	0 or 1	For individual phone:	Add	It enables or disables the phone to configure the	common.cfg

				1 For Common Area Phone: 0		multicast paging feature. 0-Disabled, the phone hides multicast paging configurations. 1-Enabled, the phone displays multicast paging configurations.	
MOH		sfb.music_on_hold.enable =	0 or 1	0	Add	It enables or disables the Music On Hold feature when placing an active call on hold. 0-Disabled 1-Enabled If it is set to 1 (Enabled), the IP phone will play built -in music when placing an active call on hold.	common. cfg
MOH		sfb.music_on_hold.delete =	URL within 512 characters	Blank	Add	Delete all custom music files. Example: sfb.music_on_hold.delete = http://localhost/all	common. cfg
MOH		sfb.music_on_hold.mode =	0 or 1	1	Add	It configures the source of the music played for the held party. 0-Inband Provision 1-Local Custom If it is set to 1 (Enabled), your phone will play the music received from the Skype for Business Server (via Inband provisioning method) to the held party. If it is set to 0 (Disabled), your phone will play the custom music to the held party. Note: It works only if the value of the parameter " sfb.music_on_hold.enable" is set to 1 (Enabled).	common. cfg
MOH		sfb.music_on_hold.url =	URL within 512 characters	Blank	Add	It configures the access URL of the custom music file. Example:	common. cfg

					sfb.music_on_hold.url = tftp://192.168.1.100/Customring.wav Note: It works only if the values of the parameter "sfb.music_on_hold.enable" and parameter "sfb.music_on_hold.mode" are set to 1.	
Autop Code		static.autoprovision.X.name =	String within 64 characters	Blank	Add	It configures the code name to trigger auto provisioning.	common.cfg
Autop Code		static.autoprovision.X.code =	String	Blank	Add	It configures the activation code to trigger auto provisioning. The activation code can be numeric characters, special characters # * or a combination of them. Example: static.autoprovision.1.code = 123 static.autoprovision.2.code = ** static.autoprovision.3.code = *123	common.cfg
Autop Code		static.autoprovision.X.url =	URL within 511 characters	Blank	Add	It configures the access URL of the provisioning server for the IP phone to perform auto provisioning which is triggered by activation code.	common.cfg
Autop Code		static.autoprovision.X.user =	String within 64 characters	Blank	Add	It configures the user name for authentication during auto provisioning which is triggered by activation code.	common.cfg
Autop Code		static.autoprovision.X.password =	String within 32 characters	Blank	Add	It configures the password for authentication during auto provisioning which is triggered by activation code.	common.cfg
Autop Code		static.autoprovision.X.com_aes =	16 characters	Blank	Add	It configures the plaintext AES key for decrypting the Common CFG file.	common.cfg

					If it is configured, it has a higher priority than the value configured in the parameter "static.auto_provision.aes_key_16.com".	
Autop Code		static.autoprovision.X.mac_aes =	16 characters	Blank	Add	It configures the plaintext AES key for decrypting the MAC-Oriented CFG file. If it is configured, it has a higher priority than the value configured in the parameter "static.auto_provision.aes_key_16.mac".	common.cfg
Bluetooth		bluetooth.function.enable =	0 or 1	1		Enable or disable the Bluetooth feature. 0-Disable 1-Enable Note: It is only applicable to T58A/T56A Skype for Business phones. If you change this parameter, the phone will reboot to make the change take effect.	common.cfg
Bluetooth		features.bluetooth_enable =	0 or 1	0	Add	It triggers the Bluetooth feature to on or off. 0-Off 1-On	common.cfg
Bluetooth		features.bluetooth_adapter_name =	String within 64 characters	For T58A IP phones: The default value is Yealink T58A.	Add	It configures the Bluetooth device name. Note: It works only if the value of the parameter "features.bluetooth_enable" is set to 1 (On).	common.cfg
RingTone		phone_setting.boss_line_ring.enable =	0 or 1	1	Add	It enables or disables the delegate to set a distinct ringtone for assigned bosses' lines. 0-Disabled	common.cfg

						1-Enabled If it is set to 0 (Disabled), ringtone for assigned bosses' lines will use the phone's ringtone. The phone's ringtone is configured by the parameter "phone_setting.ring_type". If it is set to 1 (Enabled), the delegate can set a distinct ringtone for assigned bosses' lines. When delegate receives incoming calls from assigned bosses or assigned bosses receive incoming calls, delegate's phone will play the distinct ringtone.	
RingTone		phone_setting.delegates_call_ring.enable =	0 or 1	1	Add	It enables or disables the boss to set a distinct ringtone for incoming calls from the assigned delegates' lines. 0-Disabled 1-Enabled If it is set to 0 (Disabled), incoming calls from the assigned delegates' lines will use the phone's ringtone. The phone's ringtone is configured by the parameter "phone_setting.ring_type". If it is set to 1 (Enabled), the boss can set a distinct ringtone for incoming calls from the assigned delegates' lines.	common.cfg
RingTone	account.1.ringtone.ring_type =		Common, Ring1.wav, Ring2.wav, ······ Ring8.wav, Silent.wav, Splash.wav, or custom	Common	delete	It configures a ring tone for account 1. Example: account.1.ringtone.ring_type = Ring3.wav It means configuring Ring3.wav for account1. account.1.ringtone.ring_typ	mac.cfg

			ring tone name (e.g., Customring.w av)			e = Common It means account1 will use the ring tone selected for the IP phone configured by the parameter "phone_setting.ring_type".	
Intercom		features.inte rcom.enable =	0 or 1	1	Add	It enables or disables the phone to display intercom configurations. 0-Disabled 1-Enabled	common. cfg
Intercom		features.inte rcom.outgoi ng =	0 or 1	0	Add	It enables or disables the IP phone to place an outgoing intercom call from the intercom list. 0-Disabled 1-Enabled Note: It works only if the value of parameter "features.intercom.enable" is set to 1 (Enabled).	common. cfg
Intercom		intercom.x.la bel =	string	Blank	Add	It configures the label displayed on the intercom list. Example: intercom1.label = test Note: It works only if the values of parameters "features.intercom.enable" and "features.intercom.outgoing " are set to 1 (Enabled).	common. cfg
Intercom		intercom.x.v alue =	string	Blank	Add	It configures the intercom number displayed on the intercom list. Example: intercom1.value = 4039 Note: It works only if the values of parameters "features.intercom.enable" and "features.intercom.outgoin	common. cfg

						g" are set to 1 (Enabled).	
Intercom		features.intercom.allow =	0 or 1	1	Add	It enables or disables the IP phone to answer an incoming intercom call. 0-Disabled, the IP phone will handle an incoming intercom call like a normal incoming call. 1-Enabled, the IP phone will automatically answer an incoming intercom call.	common.cfg
Intercom		features.intercom.barge =	0 or 1	0	Add	It enables or disables the IP phone to answer an incoming intercom call while there is already an active call on the IP phone. 0-Disabled, the IP phone will handle an incoming intercom call like a normal incoming call while there is already an active call on the IP phone. 1-Enabled, the IP phone will automatically answer the intercom call while there is already an active call on the IP phone and place the active call on hold. Note: It works only if the values of parameters "features.intercom.allow" and "call_waiting.enable" are set to 1 (Enabled) and the value of the parameters "phone_setting.call_appearance.calls_per_linekey" is greater than 1 .	common.cfg
Intercom		features.intercom.mute =	0 or 1	0	Add	It enables or disables the IP phone to mute the microphone when answering an intercom call. 0-Disabled 1-Enabled, the microphone	common.cfg

						is muted for intercom calls, and then the other party cannot hear you. Note: It works only if the values of parameters "features.intercom.allow" and "features.allow_mute" are set to 1 (Enabled).	
Intercom		features.intercom.tone =	0 or 1	1	Add	It enables or disables the IP phone to play a warning tone when answering an intercom call. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "features.intercom.allow" is set to 1 (Enabled).	common.cfg
Auto Provision		static.phone_setting.receive_inband.enable =	0 or 1	1	Add	It enables or disables the phone to accept the in-band provisioning device settings from the Skype for Business server. 0-Disabled 1-Enabled	common.cfg
Auto Provision		static.auto_provision.custom.protect =	0 or 1	0	Add	It enables or disables the provisioning methods priority. 0-Disabled, different provisioning methods (central provisioning, in-band Provisioning and manual Provisioning) have no priority. The subsequent operations always override previous operations regardless of the provisioning method you are using. 1-Enabled, different provisioning methods have priority (phone/web user interface>in-band	common.cfg

					provisioning>central provisioning>factory defaults). Provision with high priority will not be overwritten by provision with low priority.	
USB Record		features.usb _call_recordi ng.enable =	0 or 1	0	Add	It enables or disables the call recording (using a USB flash drive) feature for the phone. 0-Disabled 1-Enabled, you can record the active audio call for the phone by pressing the Start REC soft key, and the recorded calls will be saved to the USB flash drive.	common. cfg
USB Record		features.call _recording.fa st_entrance =	0 or 1	0	Add	It enables or disables the phone to display a Recording menu on the idle screen. 0-Disabled 1-Enabled	common. cfg
RPS		static.auto_p rovision.rps_ highest_prio rity.enable =	0 or 1	0	Add	It enables or disables the Redirection and Provisioning Server (RPS) method to be the highest priority when provisioning the Skype for Business phone automatically. 0- the lowest priority 1-the highest priority	common. cfg