Yealink SIP T5 Series Smart Media Phones Release Notes of Version 80

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Yealink SIP T5 Series Smart Media Phones Release Notes of Version 58.80.0.40

1. Introduction

● Firmware Version:

  T58V: 58.80.0.25 upgrades to 58.80.0.40

  T58A: 58.80.0.25 upgrades to 58.80.0.40

  T56A: 58.80.0.25 upgrades to 58.80.0.40

● Applicable Models: T58V, T58A, T56A

● Release Date: Nov 14th, 2017.

2. New Features

1. Added the feature of Door Phone.
2. Added the feature of Yealink's SDK.
3. Added the feature that you can choose to establish an audio-only call or video call while dialing or ringing on SIP-T58V/T58A IP phone.
4. Added the feature of Automatic Call Distribution (ACD).
5. Added the feature of XML Browser.
6. Added the feature that you can check the Wi-Fi MAC address at the path: **Settings**->**Status**->**Wi-Fi MAC** (phone user interface) or **Status**->**Status**->**Network Common**->**Wi-Fi MAC** (web user interface).
7. Added the feature of Noise Suppression.
8. Added the feature of Smart Noise Block.
9. Added the feature of MissCall Power Light Flash.
10. Added Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica and Belize in GMT-6 (No DST) time zone, and Peru in GMT -5 (No DST) time zone.

3. Optimization

1. Optimized the feature of Call Park.
2. Optimized the feature of Power Saving.
3. Optimized the feature of Local Conference.
4. Optimized the feature of Lightweight Directory Access Protocol (LDAP).

4. Bug Fixes

1. Fixed some bugs about Bluetooth feature.
2. Improved the stability of Android operating system.
3. Issued a patch for Wi-Fi WPA.

5. New Features Descriptions
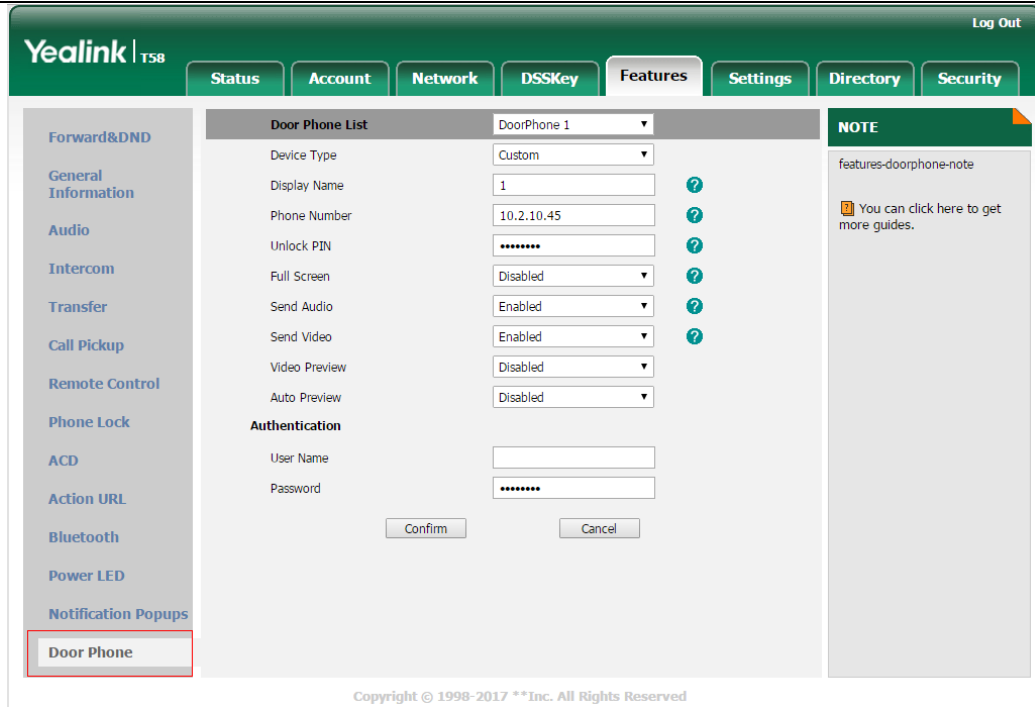
1. **Added the feature of Door Phone.**

   Description: The IP phone is compatible with the 2N, Baudisch and CyberData IP intercoms. (1) You can pair up to 99 IP intercoms on the IP phone. (2) When a visitor rings your doorbell, the IP phone will ring. (3) You can answer the call, get a preview of who's there or open the door directly on the IP phone. (4) You can open the door at any time by pressing Open Door key on the IP phone. (5) You can check the camera video at any time.

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

   features.doorphone.X.full_screen =

   features.doorphone.X.videopreview.enable =

   features.doorphone.X.autopreview.enable =

   features.doorphone.X.video.stream.httpurl =

   features.doorphone.X.autovideoview.enable =

   features.doorphone.X.httpapi.username =

   features.doorphone.X.httpapi.password =

   features.doorphone.X.video.stream.httpurl =

   To configure Door Phone feature via web user interface:

   Click on **Settings** -> **Door Phone**

2. **Added the feature of Yealink's SDK.**

    Description: Open Yealink's SDK for deep integration with 3rd-party application.
    For more information, please refer to
    Instructions on Yealink's SDK Kit for Yealink T5 Smart Media Phone Series

3. **Added the feature that you can choose to establish an audio-only call or video call while dialing or ringing on SIP-T58V/T58A IP phone.**
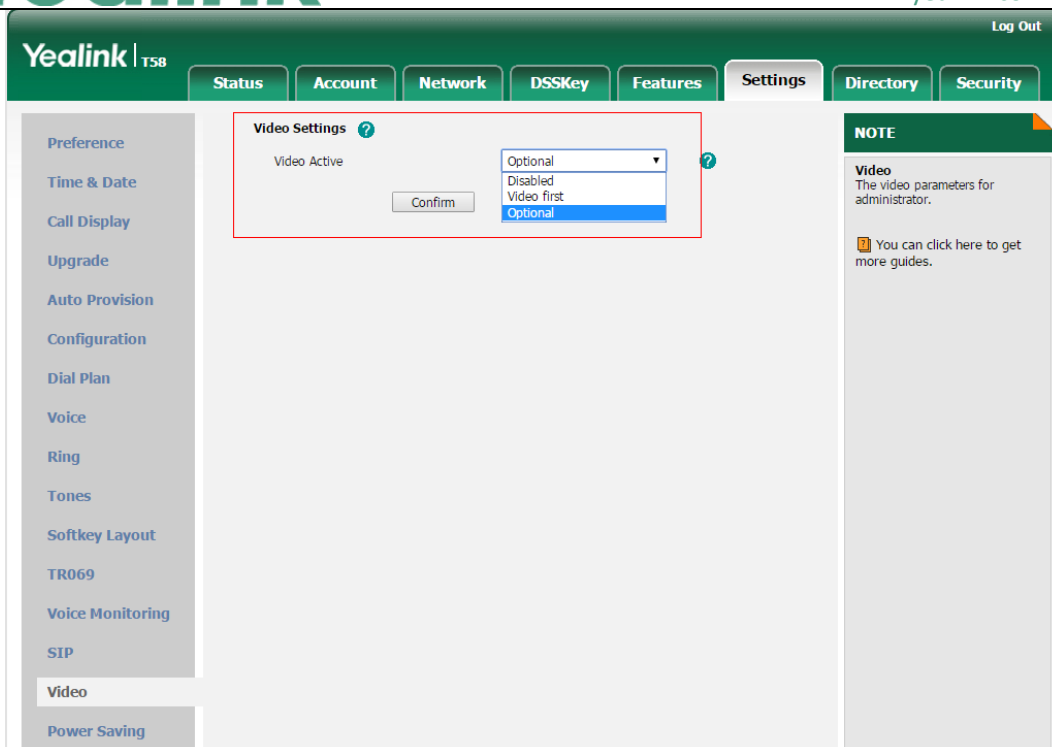
    Description: You can choose to establish an audio-only or video call.

    The parameters in the auto provision template are described as follows:
    video.enable =
    To configure video settings via web user interface:
    Click on **Settings** -> **Video**-> **Video Active**

4. **Added the feature of Automatic Call Distribution (ACD).**

   Description: Automatic Call Distribution (ACD) is often used in offices for customer service, such as call center. The ACD system handles incoming calls by automatically queuing and directing calls to available registered IP phone users (agents). The primary benefit of ACD is to reduce customer waiting time and improve the quality of service.

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

   account.X.acd.enable =

   account.X.acd.initial_state =

   account.X.acd.available =

   acd.enable =

   acd.auto_available_timer =

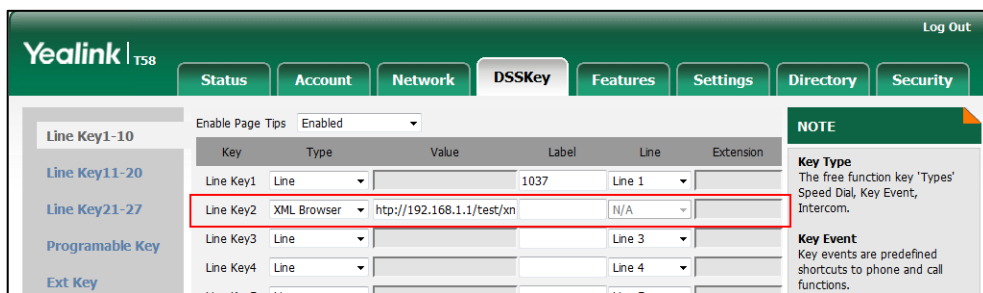5. **Added the feature of XML Browser.**

   Description: XML browser simply means that the SIP phones' LCD screen display can be managed by external applications. The XML browser feature allows users to develop and deploy custom services which meet user functional requirements on the server. Users can customize practical applications, such as weather report, stock information, Google search, news service, etc.

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

linekey.X.type =

programablekey.X.type =

expansion_module.X.key.Y.type =

linekey.X.value =

programablekey.X.value =

expansion_module.X.key.Y.value =

linekey.X.label =

programablekey.X.label =

expansion_module.X.key.Y.label =

push_xml.server =

push_xml.block_in_calling =
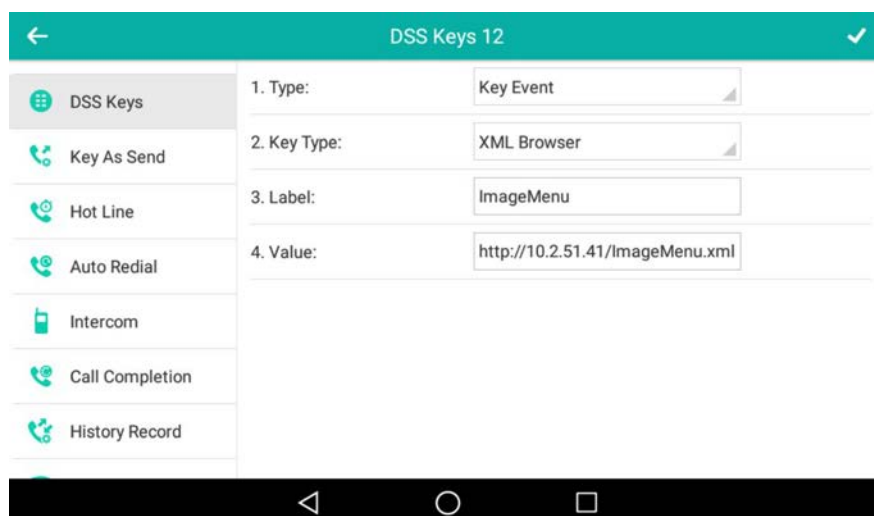
push_xml.sip_notify =

To configure an XML Browser key via web user interface:

Click on **Dsskey** -> **Line Key** (or **Programable Key**).

To configure an XML Browser key via phone user interface:

Navigate to **Settings** -> **Features** -> **DSS Keys**.

6. **Added the feature of Noise Suppression.**

Description: The impact noise in the room are picked-up, including paper rustling,

coffee mugs, coughing, typing, and silverware striking plates. These noises, when transmitted to remote participants, can be very distracting. You can enable the Noise Suppression feature to suppress these noises.

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

voice.tns.enable =

To configure Noise Suppression via web user interface:

Click on **Settings** -> **Voice**.
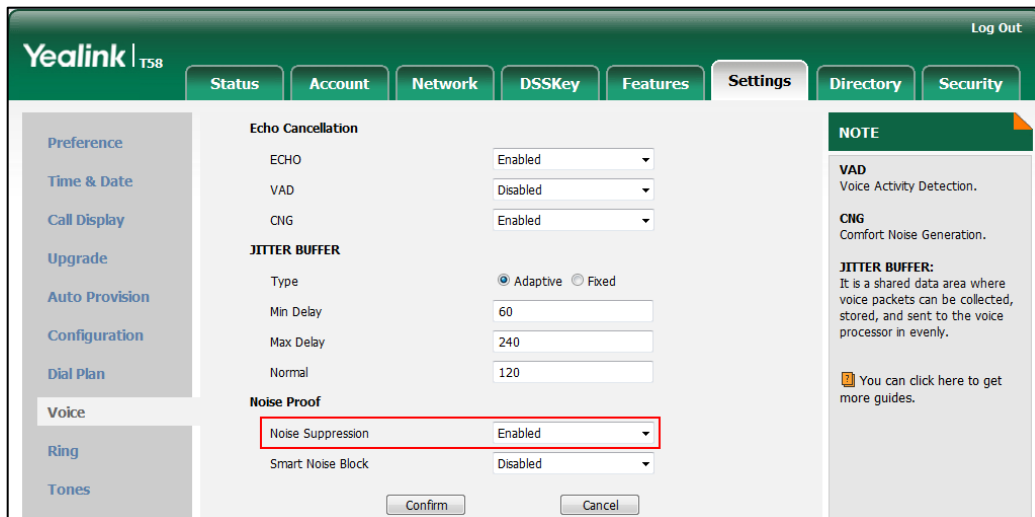
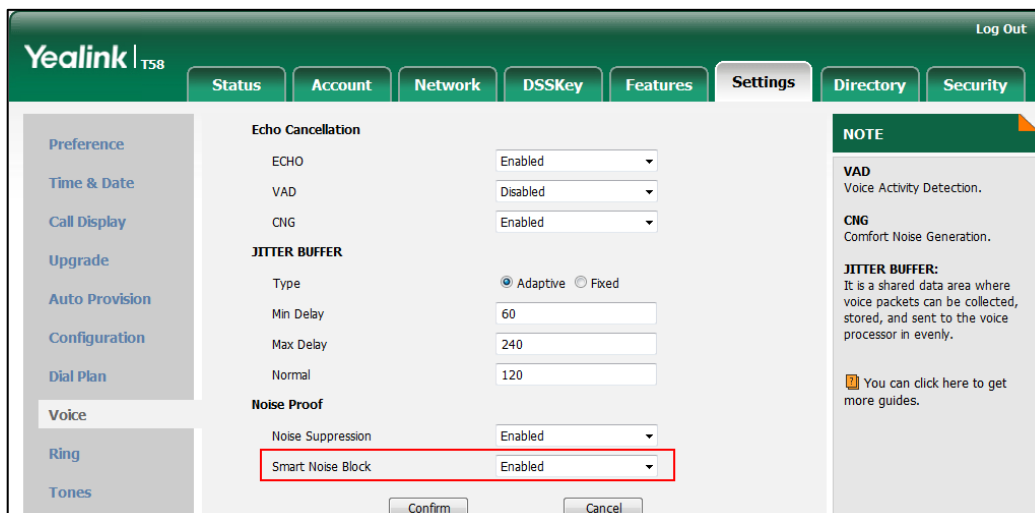7. **Added the feature of Smart Noise Block.**

   Description: You can use the Smart Noise Block feature to block out the noises when there is no speech in a call.

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

   voice.ans_nb.enable =

   To configure Smart Noise Block via web user interface:

   Click on **Settings** -> **Voice**.

8. **Added the feature of MissCall Power Light Flash.**

Description: MissCall Power Light Flash allows the power indicator LED to flash when the IP phone misses a call.

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

phone_setting.missed_call_power_led_flash.enable =

To configure MissCall Power Light Flash via web user interface:

Click on **Features** -> **Power LED** -> **MissCall Power Light Flash**.
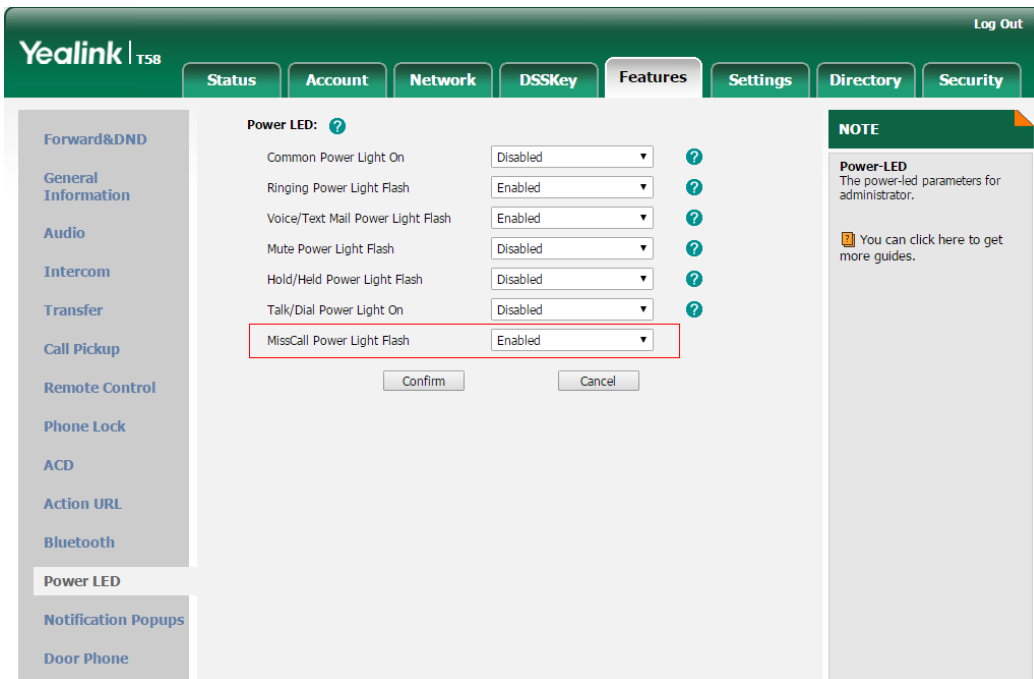
6.   Optimization Descriptions

1. **Optimized the feature of Call Park.**

Description: For old call park mechanism, users can use a call park key to park a call, and retrieve a parked call by dialing the park retrieve code. SIP-T58V/T58A/T56A IP phones running firmware version 58.80.0.30 or later support the new call park mechanism - FAC mode and Transfer mode.

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

features.call_park.park_mode =

features.call_park.enable =

features.call_park.park_code =

features.call_park.park_retrieve_code =

features.call_park.direct_send.enable =

features.call_park.line_restriction.enable =

To configure call park feature via web user interface:

Click on **Features** -> **Pick up & Park**.

To configure a retrieve park key via web user interface:

Click on **DSSKey** -> **Line Key** (or **Ext Key**).

To configure a retrieve park key via phone user interface:

Navigate to **Settings** -> **Features** -> **DSS Keys**.

2. **Optimized the feature of Power Saving.**

Description: You can configure IP phone to enter power-saving mode when it has been inactivated for 1 minute to 120 minutes (2 hours) during the office hours.

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

features.power_saving.office_hour.idle_timeout =

To configure the power saving feature via web user interface:

Click on **Settings** -> **Power Saving** -> **Idle TimeOut (minutes)** -> **Office Hour Idle TimeOut**.
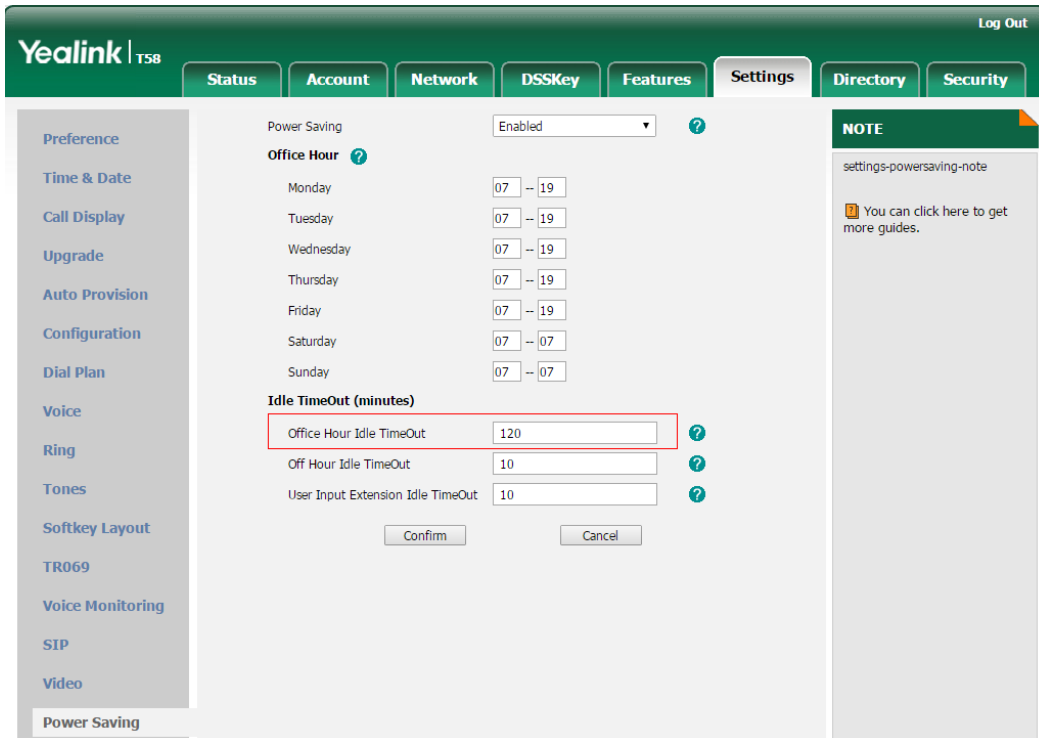
3. **Optimized the feature of Local Conference.**

   Description: You can enable or disable the IP phone to set up a conference directly after the invitee answers the call.

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

   features.local_conf.combine_with_one_press.enable =

4. **Optimized the feature of Lightweight Directory Access Protocol (LDAP).**

   Description: You can configure the display name of the LDAP phone book.

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

   ldap.customize_label =

   To configure LDAP label via web user interface:

   Click on **Directory** -> **LDAP** -> **LDAP Label.**
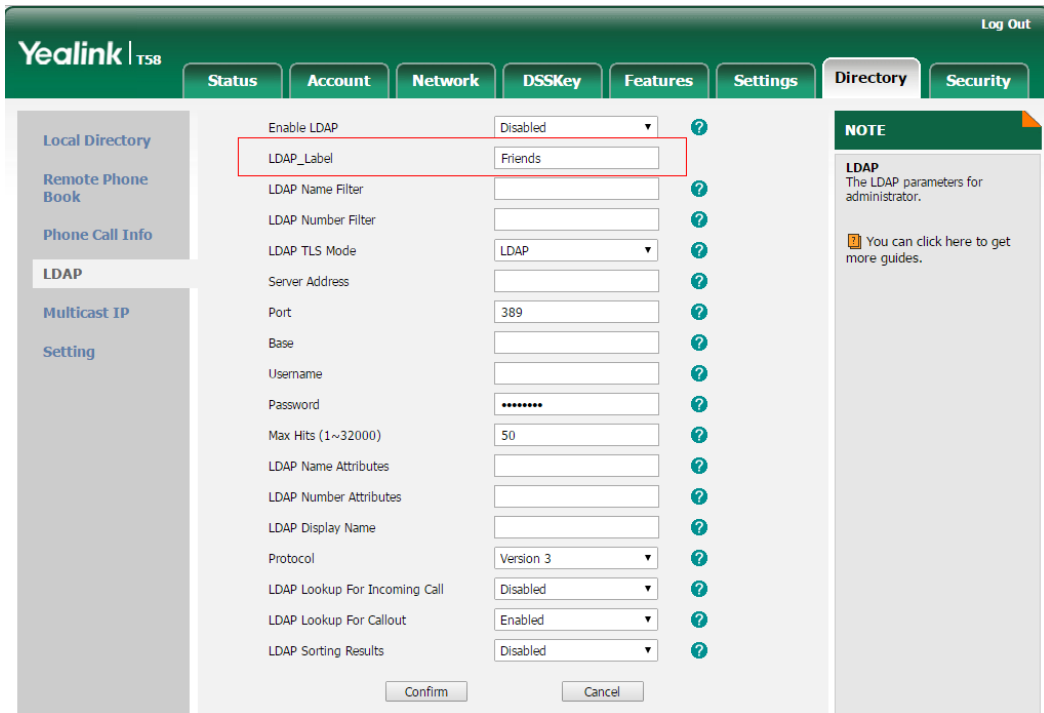
7.   Configuration Parameters Enhancements

Auto Provision Template Flies Change Log							
Firmware Version：[58.80.0.25]-[58.80.0.40]							
Function	Provisioning syntax Comparison		Permitted Value	Default Value	Action	Description	File
	58.80.0.25	58.80.0.40					
Digit Map		dialplan.digitmap.apply_to.history_dial =	0 or 1	0	Add	It enables or disables the digit map to be applied to the numbers (received calls or missed calls) dialed from call log lists. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "dialplan.digitmap.enable" or "account.X.dialplan.digitmap.enable" is set to 1 (Enabled). The value	mac.cfg

						configured by the parameter "account.X.dialplan.digitmap.apply_to.history_dial" takes precedence over that configured by this parameter.	
LED		phone_setting.missed_call_power_led_flash.enable =	0 or 1	1	Add	It enables or disables the power indicator LED to flash when the IP phone misses a call. 0-Disabled (power indicator LED is off) 1-Enabled (power indicator LED slowly flashes (1000ms) red) Note: It works only if the value of the parameter "account.X.missed_calllog" is set to 1 (Enabled).	common.cfg
LDAP		ldap.customize_label =	String within 99 characters	Blank	Add	It configures the display name of the LDAP phone book. Example: ldap.customize_label = Friends If it is left blank, "LDAP" will be the display name. Note: It works only if the value of the parameter "ldap.enable" is set to 1 (Enabled).	common.cfg
Door Phone		features.doorphone.amount =	Integer from 0 to 99	2	Add	It configures the number of IP intercoms supported by the IP phone.	common.cfg
Door Phone		features.doorphone.X.device_model =	Integer from 0 to 4	0	Add	It configures the device type of the IP intercom. 0-Custom 1-2N 2-Mobotix 3-Baudisch 4-CyberData	common.cfg

Door Phone		features.doorphone.X.videopreview.enable =	0 or 1	0		Add	It enables or disables the video preview before picking up the incoming visitor's call. 0-Disabled 1-Enabled If it is set to 1 (Enabled) and the value of the parameter "features.doorphone.X.auto preview.enable" is set to 0 (Disabled), users can tap the Preview soft key to check the visitor's video without answering the incoming visitor's call. And the IP phone will stop playing the ringtone. Note: It works only if the value of the parameter "account.X.auto_answer" is set to 0 (Disabled) and the value of the parameter "video.enable" is set to 1 (Video first) or 2 (Optional).	common. cfg
Door Phone		features.doorphone.X.autopreview.enable =	0 or 1	0		Add	It enables or disables the IP phone to preview the visitor's video automatically when receiving an incoming visitor's call. 0-Disabled 1-Enabled If it is set to 1 (Enabled), the IP phone will display the visitor's video automatically when receiving an incoming visitor's call. And the IP phone will still play ringtone. Note: It works only if the value of the parameter "features.doorphone.X.videopreview.enable" is set to 1	common. cfg

					(Enabled), the value of the parameter "account.X.auto_answer" is set to 0 (Disabled) and the value of the parameter "video.enable" is set to 1 (Video first) or 2 (Optional).	
Door Phone		features.doorphone.X.video.stream.httpurl =	URL within 511 characters	Blank	Add	The valid URL format is: http://<IP address of the IP intercom>/mjpg/video.mjpg or http://username:password@<IP address of the IP intercom>/mjpg/video.mjp. Example: features.doorphone.1.video.stream.httpurl= http://192.168.1.1/mjpg/video.mjpg Users can tap the Video View soft key to receive the video stream from the IP intercom. And the video stream is received from the configured URL. Note: It works only if the value of the parameter "features.doorphone.X.device_model" is set to 3 (Baudisch). If you use the first URL format and the IP intercom needs HTTP API authentication, you should configure the authentication account (configured by the parameters "features.doorphone.X.httpapi.username" and "features.doorphone.X.httpapi.password").	common.cfg
Door Phone		features.doorphone.X.autovideoview.e	0 or 1	1	Add	It enables or disables the IP phone to display the video automatically after	common.cfg

		nable =			answering the visitor's call. 0-Disabled 1-Enabled If it is set to 1 (Enabled), the IP phone will receive the video stream immediately after answering the visitor's call without tapping the Video View soft key. Note: It works only if the value of the parameter "features.doorphone.X.device_model" is set to 3 (Baudisch) and the video access URL is valid (configured by the parameter "features.doorphone.X.video.stream.httpurl").	
Door Phone		features.doorphone.X.httpapi.username =	String within 99 characters	Blank	Add	It configures the user name for HTTP API authentication. Note: It is required only if the IP intercom needs the HTTP API authentication.	common.cfg
Door Phone		features.doorphone.X.httpapi.password =	String within 99 characters	Blank	Add	It configures the password of HTTP API authentication. Note: It is required only if the IP intercom needs the HTTP API authentication.	common.cfg
Conference		features.local_conf.combine_with_one_press.enable =	0 or 1	0	Add	It enables or disables the IP phone to set up a conference directly after the invitee answers the call. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the original call is placed on hold. The user needs to tap the Conference soft key again to set up a conference after the invitee answers the	common.cfg

						call.	
CLIP		sip.cid_source.preference =	String	P-Preferred-Identity, P-Asserted-Identity, Remote-Party-ID, From	Add	It configures the priority order for the sources of caller identity information. The headers can be in any order. Note: Yealink IP phones support deriving caller identity from the following SIP headers: From, P-Asserted-Identity (PAI), P-Preferred-Identity and Remote-Party-ID (RPID). It works only if the value of the parameter "account.X.cid_source" is set to 6 (PREFERENCE).	common.cfg
ACD		acd.enable =	0 or 1	0	Add	It enables or disables the IP phone to automatically change the status of the ACD agent to available after the designated time. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "account.X.acd.enable" is set to 1 (Enabled).	common.cfg
ACD		acd.auto_available_timer =	Integer from 0 to 120	60	Add	It configures the interval (in seconds) for the status of the ACD agent to be automatically changed to available. Note:　It works only if the values of parameters "account.X.acd.enable" and "acd.auto_available" are set to 1 (Enabled).	common.cfg
ACD		account.X.acd.enable =	0 or 1	0	Add	It enables or disables the ACD (Automatic Call Distribution) feature for a	mac.cfg

						specific account. 0-Disabled 1-Enabled	
ACD		account.X.acd.available =	0 or 1	0	Add	It enables or disables the IP phone to display the Available or Unavailable soft key for a specific account after the IP phone logs into the ACD system. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "account.X.acd.enable" is set to 1 (Enabled).	mac.cfg
ACD		account.X.acd.unavailable_reason_enable =	0 or 1	0	Add	It enables or disables the unavailable/away reason code feature for a specific account. 0-Disabled 1-Enabled, the unavailable/away reason of agent state will be displayed on the IP phone LCD screen (for example, on lunch, in the bathroom, taking a coffee break or a personal break). Note: It works only if the value of the parameter "account.X.acd.available" is set to 1 (Enabled).	mac.cfg
Call Decline Policy		account.X.features.call_decline.enable =	0 or 1	Blank	Add	It enables or disables call decline feature for a specific account. 0-Disabled 1-Enabled	mac.cfg
Call Decline Policy		features.call_decline.enable =	0 or 1	0	Add	It enables or disables call decline feature for the IP phone.	common.cfg

						0-Disabled 1-Enabled	
Noise Suppression		voice.tns.enable =	0 or 1	1	Add	It enables or disables the Noise Suppression feature on the IP phones. 0-Disabled 1-Enabled	common. cfg
Noise Suppression		voice.ans_nb .enable =	0 or 1	0	Add	It enables or disables the Smart Noise Block feature on the IP phones. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "voice.tns.enable" is set to 1 (Enabled).	common. cfg
PushXML		push_xml.server =	IP address	Blank	Add	It configures the IP address of the push XML server.	common. cfg
PushXML		push_xml.block_in_calling =	0 or 1	0	Add	It enables or disables the IP phone to block XML applications during a call. 0-Disabled 1-Enabled	common. cfg
PushXML		push_xml.sip _notify =	0 or 1	0	Add	It enables or disables the IP phone to process the push XML via SIP NOTIFY message. 0-Disabled 1-Enabled	common. cfg
Audio Codec	account.X.codec.<payload_type>.rtpmap =				Delete		mac.cfg

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1. Introduction

● Firmware Version:

T58V: 58.80.0.10 upgrades to 58.80.0.25

T58A: 58.80.0.10 upgrades to 58.80.0.25

T56A: 58.80.0.10 upgrades to 58.80.0.25

● Applicable Models: T58V, T58A, T56A

● Release Date: July 27th, 2017.

2. New Features

None

3. Optimization

None

4. Bug Fixes

4. Fixed the probabilistic issue of application crash.
5. Fixed some bugs and improved the system compatibility.