Yealink SIP IP Phones Release Notes of Version 73

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Yealink SIP IP Phones Release Notes of Version X.73.0.16

1. Introduction

- Firmware Version:

  T28P: 2.72.0.80 upgrades to 2.73.0.16.

  T26P: 6.72.0.80 upgrades to 6.73.0.16.

  T22P: 7.72.0.80 upgrades to 7.73.0.16.

  T20P: 9.72.0.80 upgrades to 9.73.0.16.

  T41P: 36.72.0.55 upgrades to 36.73.0.16.

  T42G: 29.72.0.55 upgrades to 29.73.0.16.

  T46G: 28.72.0.45 upgrades to 28.73.0.16.

  T48G: 35.72.0.30 upgrades to 35.73.0.16.

- Applicable Models: SIP-T28P/T26P/T22P/T20P/T41P/T42G/T46G/T48G

- Release Date: September 23th, 2014.

2. New Features

1. Added the feature of Protect Personalized Settings.
2. Added the feature of RTCP-XR.
3. Added the feature of Off-hook hot line dialing.
4. Added the feature of Screen Capture.
5. Added the feature of BSFT XSI.
6. Added the feature of Hybrid Key System.
7. Added the support of wildcards ($PN and $MAC) in the provisioning server URL.
8. Added the feature of Paging List.
9. Added the feature to enable or disable voice mail prompting.
10. Added the feature that user can select different ring tones to distinguish different accounts registered on the phone.
11. Added the support of Russian and the input method on the phone.

12. Added the feature that user can configure the FAC (Feature Access Code) to be hidden.

13. Added the custom settings of web language and the input method.

14. Added the feature of Encrypting Configuration Files.

15. Added the feature of Import or export the local configuration file.

3. Optimization

1. Optimized the feature of BLF List.

2. Optimized the feature of Notification Popups.

3. Optimized the user experience of softkey displaying.

4. Optimized the displaying of pull-down list of call control.

5. Unified the softkey layout in the talking interface.

6. Optimized the input method at the phone.

7. The lack of memory on the phones has been resolved.

8. Adjust the order of (Redirection and Provisioning Server) RPS.

9. The Router pattern has been removed.

10. Added the amount of lines on the T4 series.

11. Optimized the mechanism of syslog level.

12. Optimized the verification of URL address/Name/Password on the LCD interface.

13. Added the feature of TR069 on the phone version of T41P/T42G.

14. Removed the feature of SNMP.

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16. Optimized the Remote Phone Book.

17. Optimized User Access Level of Web/Phone User Interface.

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22. Optimized the feature of default account.

23. Added the support of BLF List and Feature Key Synchronization in the newly version.

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25. Optimized the feature of Time zone.

26. Added splash and silent ring tone to the new version.

27. Optimized the feature of XML Browser.

28. Added the message format of auto answer.

29. Optimized the configuration of Dsskey.

30. Optimized the configuration of DNS.

31. Optimized the security of the SIP Phone.

32. Optimized the label displaying of the T48G.

33. Optimized the size of dial plan to 1024 characters.

34. Optimized the T9 searching supports with German character.

35. Optimized the LLDP feature to be enabled by default.

36. Optimized the request to support input in Czech.

37. Optimized the request to add Call-ID into Action URI.

38. Optimized the request to display phone number in T20P when pressing OK in call log interface.

39. Optimized the request to get the NTP server URL via DHCP option 42.

40. Optimized the request to support enable/disable the LDAP Lookup for Callout in the web interface or auto-provision.

41. Optimized the request to support obtaining pictures via 180 call info.

42. Optimized the request to forward the incoming call through pressing the TRANSFER before answering.

43. Optimized the request to support LDAPs.

44. Optimized the requirement of SIP server support input without special domain.

4. Bug Fixes

1. Fixed the issue that when using the ring group function in Asterisk platform, the original call would be silent while the second call is established.

2. Fixed the issue that T2X's forward function would be failed.

3. Fixed the issue that registration would be failed after entering the account and password on logon wizard.

4. Fixed the time zone name from "France" to" France(Paris)"

5. Fixed the issue that T2X can't support more than one SIP messages in one SIP TCP frame.

6. Fixed the issue that logging onto hoteling/ACD fails occasionally.

7. Fixed the issue that phone displays "registered" although the server send termination message.

8. Fixed the issue that Time Out for Dial-now Rule cannot be set to "0".

9. Fixed the issue that phone plays 180 ringtone and 183 ringtone at the same time after answering the forward call.

10. Fixed the issue that phone with SCA displays "Shared Line Unavailable" occasionally.

11. Fixed the issue that dial tone cannot be heard in T2X.

12. Fixed the issue that T2X cannot support https when setting URL on Dsskey.

13. Deleting the judgment which auto-provision Start time cannot be later than the end time.

14. Fixed the issue that phone cannot hunt up call when enabling DNS-SRV.

15. Fixed the issue that T4X cannot support deploying more than one forward on Dsskey.

16. Fixed the issue that pressing the park Dsskey two times leads to call dropped.

17. Fixed the issue that phone cannot play uploaded ringtone.

18. Fixed the issue that pressing the Park Dsskey during a call will go to hold but not park.

19. Fixed the issue that XML browser cannot play ringtone.

20. Fixed the issue that call log only shows "Outbound Call" instead of the callee in the screen, and also fix the time information's mistake in the call log.

21. Fixed the issue that local would be DND and forward would be invalid when Feature Key Synchronization is enabled.

22. Fixed the issue that key mechanism for wireless headset can only get to pre-dialing interface but cannot dial out number.

23. Fixed the issue that simplex call would appear on Yealink phone when the phone opens SRTP.

24. Fixed the issue that caller ID would become garbled in LCD interface when the caller ID including umlaut character like" ö"," ä"," ü" etc.

25. Fixed the issue that phone cannot recognize voice mail code of default account when switching the default account.

26. Fixed the issue that SIP packet abnormality occurs when using TLS.

27. Fixed the issue that left and right navigation keys have no key tone when entering the menu.

28. Fixed the issue that attended transfer would fail and fixed the issue of showing 500 internal server error in this case.

29. Fixed the issue that the second incoming call with Alert-Info auto answer cannot be automatically picked up during a conversation.

30. Fixed the issue that Received ACK will lead to 1 second call delay.

31. Fixed the issue that logon wizard is ineffective occasionally.

32. Fixed the issue that the LED flashing status will come to conflict during power on and using XML Browser.

33. Fixed the issue that phone cannot download MAC.cfg file when using RPS.

34. Fixed the issue that indicator light cannot light up when the tenth line key setting with BLF or Call Park.

35. Fixed the issue that screen would be blackout on T46G/T48G accidentally when backlight inactive level set as low.

36. Fixed the issue that Attended Transfer Call would be hang up when there is an incoming call on T48G.

5. New Features Descriptions

1. **Added the feature of Protect Personalized Settings.**

    Description: In the newly version, the IP phones can remain the personalized settings by updating configurations in the MAC-local.cfg file. This process is controlled by the value of the parameter "auto_provision.custom.protect". The personalized settings of the phone configured via the phone or web user interface can be remained after auto provisioning.

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

    auto_provision.custom.upload_method =

    auto_provision.custom.sync =

    auto_provision.custom.protect =

    For more information please refer to the

    Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

2. **Added the feature of RTCP-XR.**

    Description: Voice quality monitoring feature allows the IP phones to generate various quality metrics for listening and conversational quality. Two mechanisms for voice quality monitoring are supported by Yealink IP phones: RTCP-XR/VQ-RTCPXR.

    To set the RTCP-XR via web user interface:

- Click on Settings-> Voice Monitoring

VQ RTCP-XR Session Report	Enabled
VQ RTCP-XR Interval Report	Enabled
Period for Interval Report	7
Warming threshold for Moslq	35
Critical threshold for Moslq	20
Warming threshold for Delay	500
Critical threshold for Delay	
Display Report options on Web	Enabled
Display Report options on phone	Enabled

Report options on phone UI

Disabled

RoundTripDelay
SymmOneWayDelay

Enabled

Start Time
Current Time
Local User
Remote User
Local Codec
Remote Codec
Jitter
JitterBufferMax
Packets lost
MOS-LQ

Confirm   Cancel

- Click on Account->Advanced

VQ RTCP-XR Collector name	
VQ RTCP-XR Collector address	
VQ RTCP-XR Collector port	5060

Confirm   Cancel

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

account.X.vq_rtcpxr.collector_name =

account.X.vq_rtcpxr.collector_server_host=

account.X.vq_rtcpxr.collector_server_port=

phone_setting.vq_rtcpxr.session_report.enable=

phone_setting.vq_rtcpxr.states_show_on_web.enable =

phone_setting.vq_rtcpxr.states_show_on_gui.enable =

phone_setting.vq_rtcpxr.interval_report.enable =

phone_setting.vq_rtcpxr_moslq_threshold_warming =

phone_setting.vq_rtcpxr_moslq_threshold_critical =

phone_setting.vq_rtcpxr_delay_threshold_warming =

phone_setting.vq_rtcpxr_delay_threshold_critical =

phone_setting.vq_rtcpxr_interval_period =

phone_setting.vq_rtcpxr_display_start_time.enable =

phone_setting.vq_rtcpxr_display_stop_time.enable =

phone_setting.vq_rtcpxr_display_local_call_id.enable =

phone_setting.vq_rtcpxr_display_remote_call_id.enable =

phone_setting.vq_rtcpxr_display_local_codec.enable =

phone_setting.vq_rtcpxr_display_remote_codec.enable =

phone_setting.vq_rtcpxr_display_jitter.enable =

phone_setting.vq_rtcpxr_display_jitter_buffer_max.enable =

phone_setting.vq_rtcpxr_display_packets_lost.enable =

phone_setting.vq_rtcpxr_display_moslq.enable =

phone_setting.vq_rtcpxr_display_moscq.enable =

phone_setting.vq_rtcpxr_display_round_trip_delay.enable =

phone_setting.vq_rtcpxr_display_symm_oneway_delay.enable =

For more information please refer to the

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

3. **Added the feature of Off-hook hot line dialing.**

Description: Off hook hot line dialing feature is configurable on a per-line basis and depends on support from a SIP server.

Note:

- Off hook hot line dialing feature limits the Call-out permission of this account only. When off hook hot line dialing feature is enabled for an account, you can answer an incoming call on this account.

- Off hook hot line dialing feature is not applicable to SIP-T19P/T21P IP phones.

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

account.X.auto_dial_enable =

account.X.auto_dial_num =

For more information please refer to the

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

4. **Added the feature of Screen Capture.**

   Description: Screen capture feature allows users to capture the current screen that is shown on the phone from the browser window on the computer. This feature is implemented by handling HTTP/HTTPS GET requests sent from the IP address of the computer.

   Before using screen capture feature, ensure that the IP address of the computer is included in the trusted IP address of the phone. You can specify one or more trusted IP addresses on the IP phone, or configure the IP phone to receive and handle the URI sent from any IP address.

   To configure this feature via web user interface:

   - Click on Features->Remote Control-> Action URI allow IP List.

   - Enter the IP address or any in the Action URI allow IP List field.

   For more information please refer to the

   Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

5. **Added the feature of BSFT XSI.**

   Description: The Xtended Services Interface (XSI) is an HTTP-based, REST-ful Application Programming Interface (API) available over BroadWorks, targeted to end-user functionalities such as call control, call log lists, directories and end-user service configurations. IP phones interoperate with BroadWorks XSI using HTTP messages.

IP phones interoperating with BroadWorks XSI support the following features:

- Simultaneous Ring Personal
- Line ID Blocking
- Anonymous Call Rejection
- BroadWorks Anywhere
- Remote Office
- BroadSoft Directory
- BroadSoft Call Log
- Call Park

To set the XSI via web user interface:

Click on directory→ Network Directory

The auto provision template is as follows:

sip.authentication_for_xsi =

6. **Added the feature of Hybrid Key System.**

   Description: The Hybrid Key System is an extension of the SCA feature, you can assign multiple line keys to a registering shared line on all phones.

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

   account.X.shared_line_callpull_code =
   account.X.number_of_linekey =
   features.barge_in_via_username.enable =

7. **Added the support of wildcards ($PN and $MAC) in the provisioning server URL.**

   Description: When the IP phone obtains a provisioning server URL containing the wildcard $PN/$MAC, it automatically replaces the character $PN/$MAC in the received URL of the provisioning server. When the IP phone is triggered to perform auto provisioning, it will request to download the configuration files

from the identified directory on the provisioning server.

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

auto_provision.url_wildcard.pn=

For more information please refer to the

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

8. **Added the feature of Paging List.**

Description: Paging List allows IP Phones to display up to 10 multicast paging group to a paging list. User can access the list by pressing the paging list key, and choose relevant group to paging.

To configure this feature via web user interface:

Directory-> Multicast IP

Paging List		
Number	Paging Address	Label
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
	Confirm	Cancel

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

multicast.paging_address.X.ip_address =

multicast.paging_address.X.label =

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

9. **Added the feature to enable or disable voice mail prompting.**

Description: Added the feature to enable or disable voice mail prompting.

User can enable or disable the feature from pull-down list of voice mail display, if it was set to disabled, the phone will not prompt anything, and the number of

voice mail was zero.

To configure the voice mail prompting via phone user interface:

Account-> Advanced->Voice Mail Display

Subscribe MWI To Voice Mail	Disabled	❓
Voice Mail	*97	❓
Voice Mail Display	Enabled	

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

account.X.display_mwi.enable =

10. **Added the feature that user can select different ring tones to distinguish different accounts registered on the phone.**

To select a ring tone for the phone via phone user interface:

Press Menu->Settings->Basic Settings ->Sound->Ring Tones (For T2 series)

Press Menu ->Basic Settings ->Sound->Ring Tones (For T4 series)

| 📞 8616	Ring Tones	11:20 Sat Sep 20
Language	1.Common	
Time & Date	2.4408	
Display	3.4409_2	
Sound	4.8616	
Bluetooth	5.4401	
My Status		

Note：To configure this feature via web interface or Auto provisioning has already been supported in the version before V73.

11. **Added the support of Russian and the input method on the phone.**

Description: Added the support of Russian and the input method both to the phone/web user interface.

To configure the language via phone user interface:
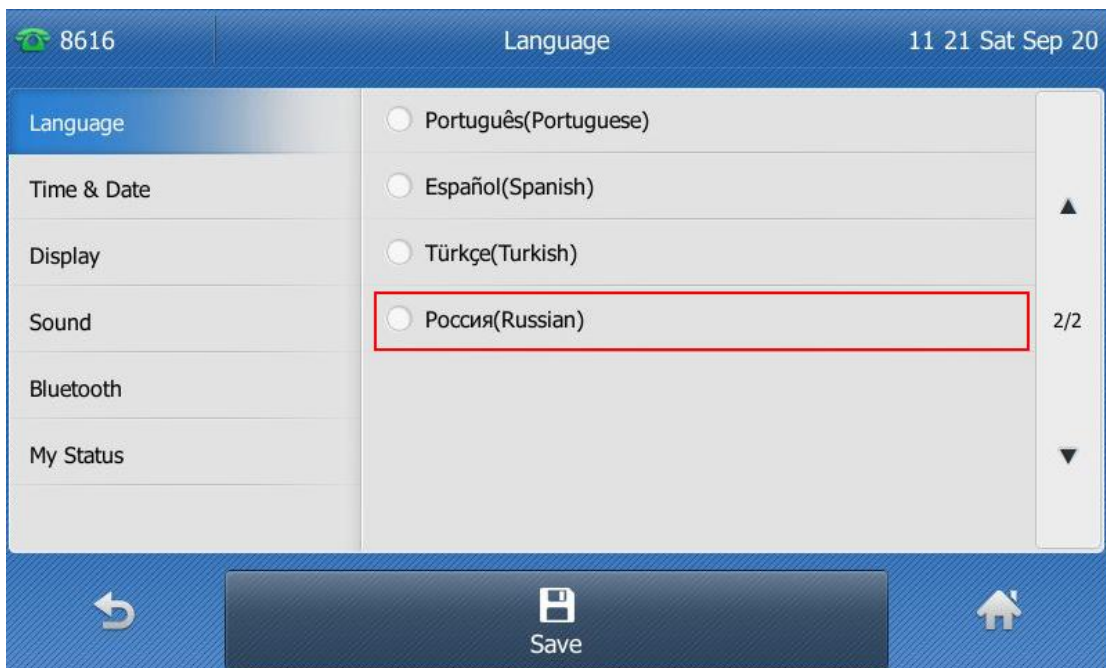
To configure the language via phone user interface:

Settings->Preference->Language

12. Added the feature that user can configure the FAC (Feature Access Code) to be hidden.

Description: If it is set to be enabled, the phone will display feature name instead of the feature access code when dialing and in talk.

To use this feature via web user interface:

Features->General Information->Hide Feature Access Codes

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

features.hide_feature_access_codes.enable =

13. Added the custom settings of web language and the input method.

Description: Users can customize the web language and the input method via auto provisioning, or to customize the default web language and the input method.

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

wui_lang.url =

wui_lang_note.url =

lang.wui =

lang.gui =

gui_lang.url =

gui_lang.delete =

wui_lang.delete =

gui_input_method.url =

directory.search_default_input_method =

directory.edit_default_input_method =

For more information please refer to the

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

14. Added the feature of Encrypting Configuration Files.

Description: In the newly version of 73, the configuration files are encrypted for protecting against unauthorized access and tampering of sensitive information.

Note: The new firmware is not compatible with old configuration file.

15. Added the feature of import or export the local configuration file.

Description: The administrator or user can export the local configuration file to check the personalized settings of the phone configured by the user, or import the local configuration file to configure or change settings of the phone.

To export local configuration file via web user interface:

1.   Click on Settings->Configuration.

2.   In the Local Configuration field, click Export to open file download window, and then save the 001565221229-local.cfg file to the local system.
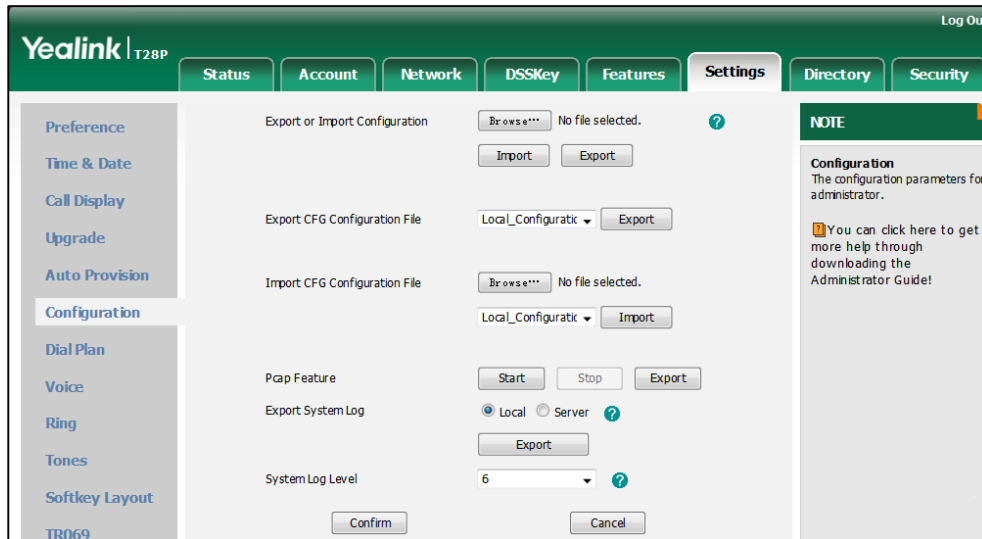
The administrator or user can edit the 001565221229-local.cfg file after exporting.

To import local configuration file via web user interface:

1.   Click on Settings->Configuration.

2.   In the Local Configuration field, click Browse to locate the 001565221229-local.cfg file from your local system.
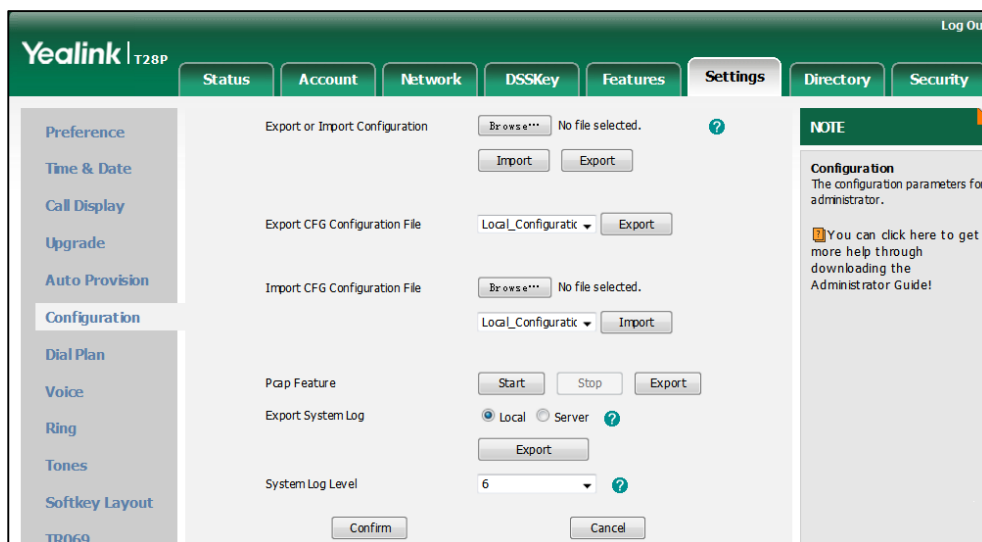
6.   Optimization Descriptions

1.   **Optimized the feature of BLF List.**

Description: The default order of BLF list keys assigned automatically is Line Key->Memory Key->Ext Key. Meanwhile, the feature of parking and retrieving call parked has been optimized.

To set the BLF List via web user interface:

Click on Account-> Advanced

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

account.X.blf_list_retrieve_call_parked_code =

For more information please refer to the

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

2. **Optimized the feature of Notification Popups.**

Description: Notification popups feature allows the IP phone to display the pop-up message when it misses a call, forwards an incoming call to other party, receives a new voice mail or new text message.

To set the Notification Popups via web user interface:

● Click on Features→Notification Popups

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

features.voice_mail_popup.enable =

features.missed_call_popup.enable =

features.forward_call_popup.enable =

features.text_message_popup.enable =

For more information please refer to the

Yealink_T4X_IP_Phone_Family_Administrator_Guide_V73_16

3. **Optimized the user experience of softkey displaying.**

Description: The user experience has been optimized that the softkey of

conference can now be displayed normally when the SCA feature was enable.

4. **Optimized the option of pull-down list of call control.**
   Description: In the newly version of T2 series, the option of DND was added to the pull-down list.

5. **Unified the softkey layout in the talking interface.**

6. **Optimized the input method on the phone.**
   Description: Unified the inputting of special characters on the phone user interface. Meanwhile, added the support of vowel/inflexion input.

7. **The lack of memory on the phones has been resolved.**

8. **Adjusted the order of (Redirection and Provisioning Server) RPS.**
   Description: The order of RPS was adjusted to the last.
   Note: The RPS was enabled by default.

9. **The Router pattern has been removed.**

10. **Added the amount of lines on the T4 series.**
    Description: In the newly version of 73, the number of the phone lines on the T4 series were added as follow:
    T41: Added to 6.
    T42: Added to 12.
    T46: Added to 16.
    T48: Added to 16.

11. **Optimized the mechanism of syslog level.**
    Description: In the newly version, when the user configured the System Log Level through web interface, the phone would not restart, but when it was configured it by auto provisioning, the phone will still restart.
    The parameters in the auto provision template are described as follows:
    auto_provision.reboot_force.enable =

12. **Optimized the verification of URL address/Name/Password on the LCD interface.**
    Description: Added the autop code feature that the username and password of auto provision URL can now be verified via the LCD interface. At the same time,

the web interface will make automatic synchronization of these username and password in the server URL field.

13. Added the feature of TR069 on the phone version of T41P/T42G.

14. Removed the feature of SNMP.

15. Optimized the sequence of codec.

Description: Optimized the sequence of G722 codec to the highest, the phone will prefer using G722 codec to receive audio and the sound quality is better. And it would not support the GSM codec any more.

16. Optimized the Remote Phone Book.

Description: Optimized the feature that user can enable or disable the IP phone to refresh the local cache of the remote phone book at a time when accessing the remote phone book.

The configuration of "Search Remote Phonebook Name" which on the web UI is now modified as "Incoming/Outgoing Call Lookup"; "Search Flash Time" is now modified as "Update Time Interval".

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

features.remote_phonebook.enter_update_enable =

17. Optimized User Access Level of Web/Phone User Interface.

Description: In the newly version of 73, the User Access Level configuration of

Web/Phone User interface was unified, and it was compatible with old configuration parameters.

For more information, please refer to the file of *Yealink SIP-Phone_Configuration_Guide_for_User_Access_Level_V73_16.*

18. **Optimized the configuration of Anonymous Call Rejection.**

Description: In the newly version of 73, the configuration of *"account.X.reject_anonymous_call"* was modified to enable or disable anonymous call rejection feature for account X.

Furthermore, there was a new configuration item of *"account.X.send_anonymous_rejection_code"* was added to configure what code sent to the server for account X.

To configure this feature via web user interface:

Account->Basic

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

account.X.send_anonymous_rejection_code =

19. Optimized the call and incoming call displaying on the phone.

Description: There are three configuration items were added to the new version of 73:

phone_setting.contact_photo_display.enable =

phone_setting.called_party_info_display.enable =

phone_setting.call_info_display_method =

To configure this feature via web user interface:

20. Optimized the feature of Prefix.

Description: Optimized the functional logic of the Prefix + DSS Key when the phone was on the interface of Idle FWD Transfer New Call and so on.

21. Optimized the feature of Broadsoft Call Park.

Description: Added a new configuration of Call Park Mode to choose the call park mode is configured as FAC or configured as XSI. Furthermore, optimized the 错误!未找到引用源。.

To configure this feature via web user interface:

Features->Call Pickup

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

features.call_park.park_mode =

features.call_park.park_code =

features.call_park.park_retrieve_code =

features.call_park.group_park_code =

22. Optimized the feature of default account.

Description: In the newly version, user can configure the default account via auto provisioning.

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

features.default_account =

23. Added the support of BLF List and Feature Key Synchronization in the newly version.

Description: In the newly version, user can configure the feature of BLF List and Feature Key Synchronization via web UI or auto provisioning.

To configure this feature via web user interface:

Features->General Information

Note: These two features were especially useful for some provisioning server.

24. **Optimized the displaying of dialing/pre-dialing interface.**

    Description: Optimized the label displaying at the pre-dialing interface or dialing interface. User can configure User name/Display name or Label via web user interface.

    To configure the Call Display via web user interface:

    Features->General Information->Display Method on Dialing->Label/Display Name/User Name

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

    features.display_method_on_dialing =

25. **Optimized the feature of Time zone.**

    Description: Added all legal time zone to the SIP phone, and the daylight saving time of -7 was modified at the same time.

26. **Added splash and silent ring tone to the new version.**

27. **Optimized the feature of XML Browser.**

    Description: Unified the resulting response when triggered the object of XML Browser.

28. **Added the message format of auto answer.**

    Description: In the newly version the phone was compatible with auto answer message format.

    Call-Info:answer-after=X (X represents 0 or nonnegative integer).

29. **Optimized the configuration of Dsskey.**

    Description: The label is configurable when the Dsskey was configured as phone line.

30. Optimized the configuration of DNS.

Description: The DNS is configurable when the DHCP was enable.

31. Optimized the security of the SIP Phone.

Description: In the newly version the security line was added to prevent brute-force cracking.

32. Optimized the label displaying of the T48G.

Description: Added a configuration "Label Length" to the web user interface of Dsskey, in the pull-down list, user can configure as default or extended, the default value is Default.

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

features.config_dsskey_length =

33. Optimized the size of dial plan to 1024 characters.

Description: The input field can enter up to 1024 characters which in the web page of dial plan.

To access the web page of dial plan:

Settings->Dial Plan

7. Default Value Setting Changes

Default Value Change log from V72 to V73			
Feature	**Description**	**Default Value of Factory Setting**	
		x.72.0.x	**x.73.0.16**
Paging List	It configures the multicast paging group name for a paging list key. The default value is blank.	None	multicast.paging_address.x.label = （X:1-10）
	It configures the multicast IP address and port number for a paging list key. The default value is blank.	None	multicast.paging_address.x.ip_address = （X:1-10）
security	It enables or disables the IP phone to reserve custom certificates after it is reset to factory defaults. 0-Disabled 1-Enabled The default value is 0.	None	phone_setting.reserve_certs_enable =0
BLF	It configures BLF LED mode and provides four kinds of definition for the BLF/BLF list key LED status. The default value is 0.	features.blf_and_callpark_idle_led_enable =? 1	features.blf_and_callpark_idle_led_enable =? 0

	Note: The old parameter "features.blf_and_callpark_idle_led_enable" is also applicable to IP phones. For more information, refer to BLF LED Mode on page 376.		("?" indicates the value of this auto provision parameter would not be modified when user upgraded to V73, if they didn't reset to factory setting.)
Action URL	It configures the action URL the IP phone sends when completing configuration update via auto provisioning. Example: action_url.transfer_failed = http://192.168.0.20/help.xml?IP=$ip The default value is blank.	None	action_url.setup_auto p_finish =
	It enables or disables the IP phone to display feature name instead of the feature access code when dialing and in talk. 0-Disabled 1-Enabled The default value is 0. The following feature access codes will be instead when this features is enabled: Voice Mail Pick up Group Pick up Barge In Retrieve Call Pull Call Park Group Park Note: The feature access code configured by DSS key cannot be hidden.	None	features.hide_feature _access_codes.enable = 0
	It configures the call park mode. 0-XSI 1-FAC The default value is 0.	None	features.call_park.par k_mode= 0
	It configures the call park code when call park mode is configured as FAC. The default value is blank. Note: It works only if the value of the parameter "features.call_park.park_mode" is set to 1.	None	features.call_park.par k_code= 0
Call Park	It configures the park retrieve code when call park mode is configured as FAC. The default value is blank.	None	features.call_park.par k_retrieve_code=

	Note: It works only if the value of the parameter "features.call_park.park_mode" is set to 1.		
	It configures the group call park code when call park mode is configured as FAC. The default value is blank. Note: It works only if the value of the parameter "features.call_park.park_mode" is set to 1.		features.call_park.group_park_code=
	It configures the characters to replace the wildcard $PN in the received URL of the provisioning server. Note: The configured characters must be in accordance with the actual directory name of the provisioning server. For SIP-T48G IP phones, the default value is T48G. For SIP-T46G IP phones, the default value is T46G. For SIP-T42G IP phones, the default value is T42G. For SIP-T41P IP phones, the default value is T41P. For SIP-T28P IP phones, the default value is T28P. For SIP-T26P IP phones, the default value is T26P. For SIP-T22P IP phones, the default value is T22P. For SIP-T20P IP phones, the default value is T20P.	None	auto_provision.url_wildcard.pn = T46G
Auto provision	It configures the way the IP phone uploads the <MAC>-local.cfg file to provisioning server (for HTTP/HTTPS server only). 0-Put 1-Post The default value is 0. Note: It works only if the value of the parameter "auto_provision.custom.sync" is set to 1 (Enabled).	None	auto_provision.custom.upload_method=？0
Anonymous call	It enables or disables the IP phone to send a session quality report to the central report collector at the end of each call. 0-Disabled 1-Enabled The default value is 0.	None	SendAnonymousRejectionCode = 0
RTCP-XR	It enables or disables the voice quality data of the last call to be displayed on web interface at path Status->RTP Status. 0-Disabled 1-Enabled The default value is 0.	None	phone_setting.vq_rtcpxr.states_show_on_web.enable =0
RTCP-XR	It enables or disables the voice quality data of the last call or current call to be displayed on the LCD screen. You can view the voice quality data of the last call by pressing Menu->Status->RTP Status. You	None	phone_setting.vq_rtcpxr.states_show_on_gui.enable =0

	can view the voice quality data of the current call by pressing RTP Status soft key during a call. 0-Disabled 1-Enabled The default value is 0.		
RTCP-XR	It enables or disables the IP phone to send a interval quality report to the central report collector periodically throughout a call. 0-Disabled 1-Enabled The default value is 0.	None	phone_setting.vq_rtcp xr.interval_report.ena ble =0
RTCP-XR	It configures the threshold value of listening MOS score (MOS-LQ) multiplied by 10. The threshold value of MOS-LQ causes the phone to send a warning alert quality report to the central report collector. For example, a configured value of 35 corresponds to the MOS score 3.5. When the MOS-LQ value computed by the phone is less than or equal to 3.5, the phone will send a warning alert quality report to the central report collector. When the MOS-LQ value computed by the phone is greater than 3.5, the phone will not send a warning alert quality report to the central report collector. If it is set to blank, warning alerts are not generated due to MOS-LQ. The default value is blank.	None	phone_setting.vq_rtcp xr.alert_report.enable =
RTCP-XR	It configures the desired threshold value of listening MOS score (MOS-LQ) multiplied by 10. The threshold value of MOS-LQ causes the phone to send a critical alert quality report to the central report collector. For example, a configured value of 28 corresponds to the MOS score 2.8. When the MOS-LQ value computed by the phone is less than or equal to 2.8, the phone will send a critical alert quality report to the central report collector. When the MOS-LQ value computed by the phone is greater than 2.8, the phone will not send a critical alert quality report to the central report collector. If it is set to blank, critical alerts are not generated due to MOS-LQ. The default value is blank.	None	phone_setting.vq_rtcp xr_moslq_threshold_c ritical =
RTCP-XR	It configures the threshold value of one way delay	None	phone_setting.vq_rtcp

	(in ms) that causes the phone to send a warming alert quality report to the central report collector. For example, If it is set to 500, when the value of one way delay computed by the phone is less than or equal to 500, the phone will send a warming alert quality report to the central report collector; when the value of one way delay computed by the phone is greater than 500, the phone will not send a warming alert quality report to the central report collector. If it is set to blank, warning alerts are not generated due to one way delay. One-way delay includes both network delay and end system delay. The default value is blank.		xr_delay_threshold_warming =
RTCP-XR	It configures the threshold value of one way delay (in ms) that causes phone to send a critical alert quality report to the central report collector. For example, If it is set to 500, when the value of one way delay computed by the phone is less than or equal to 500, the phone will send a critical alert quality report to the central report collector; when the value of one way delay computed by the phone is greater than 500, the phone will not send a critical alert quality report to the central report collector. If it is set to blank, critical alerts are not generated due to one way delay. One-way delay includes both network delay and end system delay. The default value is blank.	None	phone_setting.vq_rtcpxr_delay_threshold_critical =
RTCP-XR	It configures the interval (in seconds) for the IP phone to send an interval quality report to the central report collector periodically throughout a call. The default value is 20.	None	phone_setting.vq_rtcpxr_interval_period =20
RTCP-XR	It enables or disables the phone to display Start Time on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_start_time. enable =1
RTCP-XR	It enables or disables the phone to display Current Time or Stop Time on the LCD screen.	None	phone_setting.vq_rtcpxr_display_stop_time.

	0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1".		enable =1
RTCP-XR	It enables or disables the phone to display Local User on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_local_call_id.enable =1
RTCP-XR	It enables or disables the phone to display Remote User on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_remote_call_id.enable =1
RTCP-XR	It enables or disables the phone to display Local Codec on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_local_codec.enable =1
RTCP-XR	It enables or disables the phone to display Remote Codec on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_remote_codec.enable =1
RTCP-XR	It enables or disables the phone to display Jitter on the LCD screen. 0-Disabled 1-Enabled	None	phone_setting.vq_rtcpxr_display_jitter.enable =1
RTCP-XR	It enables or disables the phone to display Jitter on the LCD screen. 0-Disabled	None	phone_setting.vq_rtcpxr_display_jitter_buffer_max.enable =1

	1-Enabled		
RTCP-XR	It enables or disables the phone to display Packet lost on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_packets_lost.enable =1
RTCP-XR	It enables or disables the phone to display MOS-LQ on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_moslq.enable =1
RTCP-XR	It enables or disables the phone to display MOS-CQ on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	None	phone_setting.vq_rtcpxr_display_moscq.enable =1
RTCP-XR	It enables or disables the phone to display RoundTripDelay on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 0.	None	phone_setting.vq_rtcpxr_display_round_trip_delay.enable =0
RTCP-XR	It enables or disables the phone to display SymmOneWayDelay on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 0.	None	phone_setting.vq_rtcpxr_display_symm_oneway_delay.enable =0
RTCP-XR	It enables or disables the IP phone to periodically send RTCP-XR packets to another participating phone during a call.	None	phone_setting.rtcp_xr_report.enable =0

	The default value is 0.		
auto_provision.url_wildcard.pn	It configures the characters to replace the wildcard $PN in the received URL of the provisioning server. Note: The configured characters must be in accordance with the actual directory name of the provisioning server. For SIP-T48G IP phones, the default value is T48G. For SIP-T46G IP phones, the default value is T46G. For SIP-T42G IP phones, the default value is T42G. For SIP-T41P IP phones, the default value is T41P. For SIP-T28P IP phones, the default value is T28P. For SIP-T26P IP phones, the default value is T26P. For SIP-T22P IP phones, the default value is T22P. For SIP-T20P IP phones, the default value is T20P.	None	auto_provision.url_wildcard.pn=
BLF List	It configures the feature access code for the Call Park Retrieve (default: *88) for account X. The default value is blank.	None	account.x.blf_list_retrieve_call_parked_code=
SIP	phone_setting.unregister_account_block_out.enable=0	None	phone_setting.unregister_account_block_out.enable=0
DTMF	It configures the frequency level of DTMF digits (in db). The default value is -10.	None	features.dtmf.volume=-10

8. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log						
Firmware Version：[x.72.0.x]-[X.73.0.16]						
Feature	Provisioning syntax Comparison		Permitted Values	Action	Description	File
	V73	V72				
PC Port		network.bridge_mode=	0 or 1	Removed	Configures the PC port mode.	COM
PC Port		network.pc_port.ip =		Removed	Configures the IP address for the PC port when the PC port is configured as Router.	COM
PC Port		network.pc		Removed	Configures the subnet mask for	COM

		_port.mask =			the PC port when the PC port is configured as Router.	
PC Port		network.dhcp.start_ip =		Removed	Configures the start IP address that the IP phone assigns for the PC attached to the PC port when the PC port is configured as Router.	COM
PC Port		network.dhcp.end_ip =		Removed	Configures the end IP address that the IP phone assigns for the PC attached to the PC port when the PC port is configured as Router.	COM
Network Advanced		network.pc_port.dhcp_server =	0 or 1	Removed	Enables or disables the DHCP service for the PC attached to the PC port when the PC port is configured as Router.	COM
Network Advanced	network.dns.ttl_enable =		0 or 1	Added	It enables or disables the phone to use TTL in the A record. **0**-Disabled **1**-Enabled The default value is 1. It takes effect after a reboot.	COM
Network Advanced	network.mtu_value =		Integer from 128 to 1500	Added	It configures the MTU of network card. The default value is 1500. It takes effect after a reboot.	COM
Network Advanced	network.vlan.vlan_change.enable =		0 or 1	Added	Enables or disables the IP phone to obtain IP address with lower preference of VLAN assignment method or disable VLAN feature when the IP phone cannot obtain IP address with the current VLAN assignment method. **0**-Disabled **1**-Enabled	COM
Network Advanced	network.802_1x.proxy_eap_logoff.enable =		0 or 1	Added	It enables or disables 802.1x-logoff feature for the PC port. **0**-Disabled	COM

					1-Enabled The default value is 0. It takes effect after a reboot.	
Autop	auto_provision.custom.sync =			0 or 1	Added	It enables or disables the IP phone to periodically (every 5 minutes) upload the <MAC>-local.cfg file to the provisioning server, and download the <MAC>-local.cfg file from the provisioning server during auto provisioning. **0**-Disabled **1**-Enabled If it is set to 1 (Enabled), the IP phone will periodically upload the <MAC>-local.cfg file to the provisioning server. During auto provisioning, the IP phone will download the <MAC>-local.cfg file from the provisioning server. If it is set to 0 (Disabled), the IP phone will not upload the <MAC>-local.cfg file to the provisioning server. During auto provisioning, the IP phone will not download the <MAC>-local.cfg file from the provisioning server. The default value is 0.	COM
Autop	auto_provision.custom.protect =			0 or 1	Added	Enables or disables the IP phone to protect personalized settings after auto provisioning. **0**-Disabled **1**-Enabled If it is set to 1 (Enabled), personalized settings configured via web or phone user interface will be protected and remained after auto provisioning. **Note:** It is not applicable to	COM

					SIP-T19P/T21P IP phones.	
Autop	auto_provision.custom.upload_method =			0 or 1	Added	Configures the way the IP phone uploads the <MAC>-local.cfg file to the provisioning server (for HTTP/HTTPS server only). **0**-PUT **1**-POST **Note**: It works only if the value of the parameter "auto_provision.custom.sync" is set to 1 (Enabled) and is not applicable to SIP-T19P/T21P IP phones.	COM
Autop AES Key	auto_provision.cfg_erase_pwd =			0, 1 or 2	Added	Configures the type of the password which exists in the <MAC>-local.cfg file when the IP phone exports the file. **0**-Encrypted **1**-Blank **2**-Plaintext The default value is 1.	COM
Autop	auto_provision.reboot_force.enable =			0 or 1	Added	It enables or disables the IP phone to reboot after auto provisioning when there is no specific configuration requiring a reboot. It is especially useful when there is no specific configuration requiring reboot in the configuration files, but you want to force the IP phone to reboot after auto provisioning. **0**-Disabled **1**-Enabled The default value is 0.	COM
Watch Dog	sip.authentication_for_xsi =			0 or 1	Added	It configures the authentication mechanism for the XSI access. **0**-User Login Credentials for XSI Authentication **1**-SIP Credentials for XSI	COM

					Authentication If it is set to 0 (User Login Credentials for XSI Authentication), the IP phone uses the XSI user ID and password for XSI authentication.	
Call Park	sip.call_park_ without_blf =		0 or 1	Added	It enables or disables the phone to close BLF monitoring feature for call park key. **0**-Disabled **1**-Enabled The default value is 0. It takes effect after a reboot.	COM
SIP	sip.escape_ch aracters.enab le =		0 or 1	Added	It enables or disables the IP phone to convert ASCII characters. **0**-Disabled **1**-Enabled The default value is 0.	COM
SIP	sip.listen_mo de =		0, 1or 2	Added	It configures the listening mode. **0**-according to the transport protocol **1**-listening TCP and UDP **2**-listening TCP and UDP, and subscribe for BLF List containing transport=TCP in the contact header. The default value is 0.	COM
SIP	sip.refer_by_ header_auto _build =		0 or 1	Added	It configures the constitution of the refer-bye header. **0**-URI in the registration message **1**-From header in the refer message The default value is 0. It takes effect after a reboot.	COM
SIP	sip.reserve_c haracters =		-_.!~*#'()&=	Added	It configures the special characters reserved in the user	COM

			+$,;?/\0		name. The default value is blank.	
SIP	sip.tcp_port_r andom_mode =		0, 1 or 2	Added	It configures the listening port mode. **0**-random source port (non 506x), fixed ports (506x) carried in the contact, via header. **1**-random source port (non 506x) and other ports (non 506x) carried in the contact, via header. **2**-fixed source port (506x) and other ports (506x) carried in the contact, via header. The default value is 0. It takes effect after a reboot.	COM
settings	voice.tone.m essage =		String	Added	It customizes the tone when the IP phone receives a text message or voice message. The value format is Freq/Duration. For more information on the value format, refer to the parameter "voice.tone.dial". The default value is blank. **Note**: It works only if the value of the parameter "voice.tone.country" is set to Custom.	COM
Language Settings	wui_lang.url =		URL within 511 characters	Added	It configures the access URL of the custom language file for web user interface. **Example**: wui_lang.url = tftp://192.168.1.100/English.js. The default value is blank.	COM
Language Settings	wui_lang_not e.url =		URL within 511 characters	Added	It configures the access URL of the custom note file for web user interface. The default value is blank.	COM

						COM
Language Settings	wui_lang.delete =		URL within 511 characters	Added	It deletes all custom web language files and not language files for web user interface. The valid value is: http://localhost/all The default value is blank.	
Remote Phonebook	features.remote_phonebook.flash_time (not applicable to SIP-T20P IP phones)	features.remote_phonebook.flash_time =			It configures how often to refresh the local cache of the remote phone book. If it is set to 3600, the IP phone will refresh the local cache of the remote phone book every 3600 seconds. The value 0 means that the IP phone will not regularly refresh the local cache of the remote phone book. The default value is 21600.	COM
LDAP	ldap.incoming_call_special_search.enable =		0 or 1	Added	It enables or disables the phone to search for special numbers. **0**-Disabled **1**-Enabled The default value is 0.	COM
LDAP	ldap.tls_mode =		0, 1 or 2	Added	It configures the connection mode between the LDAP server and the IP phone. **0**-LDAP—LDAP connection between LDAP server and the IP phone. **1**-LDAP TLS Start—TLS/SSL connection between LDAP server and the IP phone (No alternative port is necessary). **2**-LDAPs— TLS/SSL connection between LDAP server and the IP phone (an alternative port is necessary). The default value is 0.	COM
LDAP	ldap.call_out_lookup		0 or 1	Added	It enables or disables the IP	COM

					phone to perform an LDAP search when dialing an outgoing a call. **0**-Disabled **1**-Enabled The default value is 1. For more information on LDAP feature, refer to *LDAP Phonebook on Yealink IP Phones*.	
SIP	features.barge_in_via_username.enable =		0 or 1	Added	It enables or disables the INVITE request with the user name of the account when this account barges in an active call. **0**-Disabled **1**-Enabled The default value is 0.	COM
DSSKEY	features.block_linekey_in_menu.enable =		0 or 1	Added	It enables or disables the phone to block line keys when browsing the Menu screen. **0**-Disabled **1**-Enabled The default value is 0.	COM
DSSKEY	features.flash_url_dsskey_led.enable =		0 or 1	Added	It enables or disables 5 seconds delay for the LED flashing of the URL DSS key. **0**-Disabled **1**-Enabled The default value is 1.	COM
UI	features.default_account =		Integer from 1 to 16	Added	It configures default account. The default value is 1.	COM
FWD	features.forward_call_popup.enable =		0 or 1	Added	It enables or disables the IP phone to display the pop-up message when the phone forwards an incoming call to other party. **0**-Disabled **1**-Enabled The default value is 1.	COM

SIP	features.hide_caller_id.enable =			Added	It enables or disables the phone to hide caller ID when it receives an incoming call. **0**-Disabled **1**-Enabled The default value is 0.	COM
DSSKEY	features.config_dsskey_length =		0 or 1	Added	It enables or disables extended length of the label displayed on the idle LCD screen for the line key. **0**-Disabled **1**-Enabled The default value is 0.	COM
DSSKEY	features.hide_feature_access_codes.enable =		0 or 1	Added	It enables or disables the IP phone to display feature name instead of the feature access code when dialing and in talk. **0**-Disabled **1**-Enabled The default value is 0.	COM
ZERO TOUCH	features.hide_zero_touch_url.enable =		0 or 1	Added	It enables or disables the phone to hide the provisioning URL item in the Zero Touch screen. **0**-Disabled **1**-Enabled The default value is 0.	COM
DSSKEY	features.linekey_call_with_default_account =		0 or 1	Added	It enables or disables the phone to dial out using the default account when pressing the line key. **0**-Disabled **1**-Enabled The default value is 0.	COM
Call log	features.missed_call_popup.enable =		0 or 1	Added	It enables or disables the IP phone to display the pop-up message when the phone misses a call. **0**-Disabled **1**-Enabled	COM

					The default value is 1.	
Text Message	features.text_ message_pop up.enable =		0 or 1	Added	It enables or disables the IP phone to display the pop-up message when the phone receives a new text message. **0**-Disabled **1**-Enabled The default value is 1.	COM
Voice Mail	features.voice _mail_popup. enable =		0 or 1	Added	It enables or disables the IP phone to display the pop-up message when the phone receives a new voice mail. **0**-Disabled **1**-Enabled The default value is 1.	COM
DSSKEY	features.short en_linekey_la bel.enable =	features.sho rten_linekey _label.enabl e =	0 or 1		It enables or disables the phone to shorten the length of the line key label. The length is within 9 digits. **0**-Disabled **1**-Enabled The default value is 0.	COM
Auto Answer	features.speci al_auto_answ er_tone =		0 or 1	Added	It enables or disables the phone to play a warning tone when an incoming call is automatically answered. 0-Disabled 1-Enabled The default value is 1.	COM
Features	features.anon ymous_respo nse_code =		Integer from 0 to 65535	Added	It configures the code the phone responds with to the server when it receives an anonymous call. The default value is 433.	COM
XML Browser		features.xml _browser.us er_name =				COM
XML Browser		features.xml _browser.p wd =				COM

Phone Settings	phone_setting.call_info_display_method =		0, 1, 2, 3 or 4	Added	It configures the call information display method when the IP phone receives an incoming call, dials an outgoing call or engages in a call. **0**-Name+Number **1**-Number+Name **2**-Name **3**-Number **4**-Full Contact Info (display name<sip:xxx@domain.com>) The default value is 0.	COM
Phone Settings	phone_setting.called_party_info_display.enable =		0 or 1	Added	It enables or disables the IP phone to display the called contact information when it receives an incoming call. **0**-Disabled **1**-Enabled The default value is 0.	COM
Phone Settings	phone_setting.contact_photo_display.enable =		0 or 1	Added	It enables or disables the IP phone to display the contact avatar when the IP phone receives an incoming call, dials an outgoing call or is during an active call. **0**-Disabled **1**-Enabled The default value is 1.	COM
Phone Settings	phone_setting.reserve_certs_enable =		0 or 1	Added	It enables or disables the IP phone to reserve custom certificates after it is reset to factory defaults. **0**-Disabled **1**-Enabled The default value is 0.	COM
Multicast	multicast.paging_address.x.ip_address =		String within 99 characters	Added	It configures the multicast IP address and port number for a paging list key. The default value is blank.	COM
Multicast	multicast.paging_address.x.label =		String	Added	It configures the multicast paging group name for a paging	COM

					list key. The default value is blank.	
Hot Desking	features.auto _exit_logon_ wizard.enable =			0 or 1	Added	It enables or disables the IP phone to automatically quit the logon wizard after timeout. **0**-Disabled **1**-Enabled The default value is 1.	COM
Action URL	action_url.set up_autop_fini sh =			URL within 511 characters	Added	It configures the action URL the IP phone sends when completing configuration update via auto provisioning. **Example**: action_url.transfer_failed = http://192.168.0.20/help.xml?I P=$ip The default value is blank.	COM
Contact	local_contact. image.url =			URL within 511 characters	Added	It configures the access URL of a TAR contact avatar file. The format of the contact avatar must be *.png, *.jpg, *.bmp. The contact avatar file should be compressed as a TAR file in advance and then place it to the provisioning server. The default value is blank. **Note:** If you want to upload a contact and configure contact avatar for it via auto provisioning, you need to configure the following three parameters: local_contact.image.url local_contact.icon.url local_contact.data.url	COM
Contact	local_contact. icon.url =			URL within 511 characters	Added	It configures the access URL of a TAR contact icon file. The format of the contact icon must be *.png, *.jpg, *.bmp.	COM

					The contact icon file should be compressed as a TAR file in advance and then place it to the provisioning server. The default value is blank. **Note:** If you want to upload a contact and configure contact avatar for it via auto provisioning, you need to configure the following three parameters: local_contact.image.url local_contact.icon.url local_contact.data.url	
Custom Input Method	directory.edit _default_inpu t_method =		Abc, 2aB, 123, abc or ABC	Added	It configures the default input method when the user edits contacts in the local directory, LDAP, remote phone book, blacklist or Broadsoft Directory. The default value is Abc.	COM
Custom Input Method	directory.sear ch_default_in put_method =		Abc, 2aB, 123, abc or ABC	Added	It configures the default input method when the user searches for contacts in the local directory, LDAP, remote phone book, blacklist or Broadsoft Directory. The default value is Abc.	COM
UC	phone_settin g.dsskey_dire ctory_auto.en able =		0 or 1	Added	It enables or disables Auto Favorite feature. If enabled, the IP phone will download information of favorites from the cloud server and automatically configure UC Favorite keys from the first unused line key (the line key is configured as N/A). If a line key is used, the IP phone will skip to the next unused line key. **0**-Disabled **1**-Enabled The default value is 1.	COM

Custom Input Method	gui_input_method.url =		URL within 511 characters	Added	It configures the access URL of the custom input method file for phone user interface. The default value is blank.	COM
Remote Phonebook	features.remote_phonebook.enter_update_enable =		0 or 1	Added	It enables or disables the IP phone to refresh the local cache of the remote phone book at a time when accessing the remote phone book. **0**-Disabled **1**-Enabled The default value is 0.	COM
Autoprovision	auto_provision.custom.protect		0 or 1	Added	Enables or disables the IP phone to protect personalized settings after auto provisioning. **0**-Disabled **1**-Enabled If it is set to 1 (Enabled), personalized settings configured via web or phone user interface will be protected and remained after auto provisioning. **Note:** It is not applicable to SIP-T19P/T21P IP phones.	COM
DSSKEY	features.dsskey_blind_tran =		0 or 1	Added	It enables or disables the phone to perform a blind transfer during a call by pressing the predefined DSS key (BLF, BLF List, Speed Dial, Transfer). 0-Disabled 1-Enabled The default value is 1.	COM
Features	features.display_method_on_dialing=		1, 2 or 3	Added	It configures the account information displayed on the top left corner of the LCD screen the when the IP phone is in the pre-dialing or dialing screen. **1**-Label	COM

				2-Display Name		
				3-User Name		
				The default value is 1.		
BLF	features.blf_pickup_only_send_code=		0 or 1	Added	It enables or disables the phone to dial out feature access code of directed pick up only when preforming BLF pickup. 0-Disabled 1-Enabled If it is set to 1 (0), the phone will dial out feature access code of directed pick up plus value configured for BLF key when performing BLF pickup. The default value is 1.	COM
SIP	features.reboot_in_talk_enable=		0 or 1	Added	It enables or disables the phone to reboot during a call when it receives a NOTIFY message. **0**-Disabled **1**-Enabled The default value is 0.	COM
UI	features.show_default_account=		0 or 1	Added	It enables or disables the phone to display the label of the default account in the middle bottom of the idle LCD screen. **0**-Disabled **1**-Enabled The default value is 0. It takes effect after a reboot.	COM
Autop wildcard	auto_provision.url_wildcard.pn		String within 32 characters	Added	It configures the characters to replace the wildcard $PN in the received URL of the provisioning server.	COM
DTMF	features.dtmf.volume		Integer from -10~-2 (for SIP-T28P/T26P/T22P/T20P) Integer	Added	It configures the frequency level of DTMF digits (in db). The default value is -10.	COM

			from -30~0 (for SIP-T4X)			
SIP	phone_settin g.unregister_ account_bloc k_out.enable		0 or 1	Added	It enables or disables the phone to forbid the calling without an account. **0**-Disabled **1**-Enabled The default value is 0.	COM
SIP	features.uplo ad_server =		IP address	Added	It configures the server address which the DssKey.cfg file is uploaded to when the phone receives an XML command (Command:UploadSystemInfo).	COM
Phone Settings	phone_settin g.label_scroll _interval_tim e		Integer from 200 to 1000	Added	It configures the scrolling period of text display (in milliseconds) for LDPA search result. The default value is 300.	COM
Features	features.reset _by_long_pre ss_enable= 1		0 or 1	Added	It enables or disables the IP phone to reset to factory by long pressing OK. **0**-Disabled **1**-Enabled The default value is 1.	COM
VPM	features.dtmf .duration = 100		Integer from 40 to 300	Added	It configures the duration time (in milliseconds) for DTMF. The default value is 80.	COM
Dsskey	custom.featur es.shorten_li nekey_label.e nable = 0			Added		COM
Features	features.sho w_action_uri _option = 0		0 or 1	Added	It enables or disables the phone to pop up the Allow Remote Control prompt when it receives the action URI requests. **0**-Disabled **1**-Enabled The default value is 0.	COM
Anywher e	features.sho w_anywhere		0 or 1	Added	It enables or disables the phone screen to display any where and	COM

	_remote_office_enable =				remote office. **0**-Disabled **1**-Enabled The default value is 1.	
RTCP-XR	phone_setting.rtcp_xr_report.enable =		0 or 1	Added	It enables or disables the IP phone to periodically send RTCP-XR packets to another participating phone during a call. The default value is 0.	COM
RTCP-XR	phone_setting.vq_rtcpxr.interval_report.enable =		0 or 1	Added	It enables or disables the IP phone to send a interval quality report to the central report collector periodically throughout a call. **0**-Disabled **1**-Enabled The default value is 0.	COM
RTCP-XR	phone_setting.vq_rtcpxr.session_report.enable =		0 or 1	Added	It enables or disables the IP phone to send a session quality report to the central report collector at the end of each call. **0**-Disabled **1**-Enabled The default value is 0.	COM
RTCP-XR	phone_setting.vq_rtcpxr.states_show_on_gui.enable =		0 or 1	Added	It enables or disables the voice quality data of the last call or current call to be displayed on the LCD screen. You can view the voice quality data of the last call by pressing Menu->Status->RTP Status. You can view the voice quality data of the current call by pressing RTP Status soft key during a call. **0**-Disabled **1**-Enabled The default value is 0.	COM
RTCP-XR	phone_settin		0 or 1	Added	It enables or disables the voice	COM

	g.vq_rtcpxr.states_show_on_web.enable =				quality data of the last call to be displayed on web interface at path **Status->RTP Status**. **0**-Disabled **1**-Enabled The default value is 0.	
RTCP-XR	phone_setting.vq_rtcpxr_delay_threshold_critical =		10 to 2000	Added	It configures the threshold value of one way delay (in ms) that causes the phone to send a warming alert quality report to the central report collector.	COM
RTCP-XR	phone_setting.vq_rtcpxr_delay_threshold_warming =		10 to 2000	Added	It configures the threshold value of one way delay (in ms) that causes phone to send a critical alert quality report to the central report collector.	COM
RTCP-XR	phone_setting.vq_rtcpxr_display_jitter.enable =		0 or 1	Added	It enables or disables the phone to display Jitter on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_setting.vq_rtcpxr_display_jitter_buffer_max.enable =		0 or 1	Added	It enables or disables the phone to display JitteBufferMax on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_setting.vq_rtcpxr_d		0 or 1	Added	It enables or disables the phone	COM

	isplay_local_c all_id.enable =			to display Local User on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to "1". The default value is 1.	
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_local_c odec.enable =		0 or 1	Added	It enables or disables the phone to display Local Codec on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_moscq. enable =		0 or 1	Added	It enables or disables the phone to display MOS-CQ on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_moslq. enable =		0 or 1	Added	It enables or disables the phone to display MOS-LQ on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to	COM

					"1". The default value is 1.	
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_packet s_lost.enable =		0 or 1	Added	It enables or disables the phone to display Packet lost on the LCD screen. **0**-Disabled **1**-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_remot e_call_id.ena ble =		0 or 1	Added	It enables or disables the phone to display Remote User on the LCD screen. **0**-Disabled **1**-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_remot e_codec.enab le =		0 or 1	Added	It enables or disables the phone to display Remote Codec on the LCD screen. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states _show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_settin g.vq_rtcpxr_d isplay_round _trip_delay.e nable =		0 or 1	Added	It enables or disables the phone to display RoundTripDelay on the LCD screen. **0**-Disabled **1**-Enabled	COM

				Note: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 0.	
RTCP-XR	phone_setting.vq_rtcpxr_display_start_time.enable =		0 or 1	Added	It enables or disables the phone to display Start Time on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_setting.vq_rtcpxr_display_stop_time.enable =		0 or 1	Added	It enables or disables the phone to display Current Time or Stop Time on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 1.	COM
RTCP-XR	phone_setting.vq_rtcpxr_display_symm_oneway_delay.enable =		0 or 1	Added	It enables or disables the phone to display SymmOneWayDelay on the LCD screen. **0**-Disabled **1**-Enabled **Note**: It works only if the value of the parameter "phone_setting.vq_rtcpxr.states_show_on_gui.enable" is set to "1". The default value is 0.	COM
RTCP-XR	phone_setting.vq_rtcpxr_i		Integer from 5 to 20	Added	It configures the interval (in seconds) for the IP phone to	COM

	nterval_perio d =				send an interval quality report to the central report collector periodically throughout a call. The default value is 20.	
RTCP-XR	phone_settin g.vq_rtcpxr_ moslq_thresh old_critical =		15 to 40	Added	It configures the desired threshold value of listening MOS score (MOS-LQ) multiplied by 10. The threshold value of MOS-LQ causes the phone to send a critical alert quality report to the central report collector. For example, a configured value of 28 corresponds to the MOS score 2.8. When the MOS-LQ value computed by the phone is less than or equal to 2.8, the phone will send a critical alert quality report to the central report collector. When the MOS-LQ value computed by the phone is greater than 2.8, the phone will not send a critical alert quality report to the central report collector. If it is set to blank, critical alerts are not generated due to MOS-LQ. The default value is blank.	COM
RTCP-XR	phone_settin g.vq_rtcpxr_ moslq_thresh old_warming =		15 to 40	Added	It configures the threshold value of listening MOS score (MOS-LQ) multiplied by 10. The threshold value of MOS-LQ causes the phone to send a warning alert quality report to the central report collector. For example, a configured value of 35 corresponds to the MOS score 3.5. When the MOS-LQ value computed by the phone is less than or equal to 3.5, the phone will send a warning alert quality report to the central	COM

					report collector. When the MOS-LQ value computed by the phone is greater than 3.5, the phone will not send a warning alert quality report to the central report collector. If it is set to blank, warning alerts are not generated due to MOS-LQ. The default value is blank.	
Features	features.call_log_show_num		0 or 1	Added	It enables or disables the IP phone to show the caller's phone number in the call history list. **0**-Disabled **1**-Enabled The default value is 0.	COM
SIP	account.x.register_expires_overlap =	account.x.register_period_reduce =	Positive integer		It configures the renewal time (in seconds) away from the subscription lease. The default value is -1. It takes effect after a reboot.	MAC
SIP	account.x.subscribe_expires_overlap =	account.x.subscibe_period_reduce =	Positive integer		It configures the renewal time away from the registration lease. The default value is -1. It takes effect after a reboot.	MAC
Auto Dial	account.x.auto_dial_enable =		0 or 1	Added	It enables or disables the IP phone to first dial out a pre-configured number when a user dials out a call using account X. **0**-Disabled **1**-Enabled If it is set to 1(Enabled), the phone will first dial out a pre-configured number (configured by the parameter "account.X.auto_dial_num") when a user dials out a call	MAC

						MAC
					using account X. The default value is 0.	
Auto Dial	account.x.aut o_dial_num =		String within 32 characters	Added	It configures the number that the IP phone first dials out when a user dials out a call using account X. The default value is blank.	MAC
SIP	account.x.call _id_mode =		0, 1 or 2	Added	It configures the constitution of call ID. **0**-Use random digits **1**–Use the combination of the digits and letters **2**–Use random digits plus MAC address The default value is 2.	MAC
SIP	account.x.call _info =		String within 256 characters	Added	It configures the Call-Info header. The default value is blank.	MAC
SIP	account.x.rin gback_durati on_time =		Integer from 64 to +∞	Added	It configures the duration time (in seconds) in the ringback state. If it is set to 180, the phone will cancel the dialing or reject the incoming call if the call is not answered within180s. The default value is 180.	MAC
Voice Mail	*account.x.dis play_mwi.ena ble =*		0 or 1	Added	It enables or disables the IP phone to present audio and visual MWI when it receives new voice mails. **0**-Disabled **1**-Enabled The default value is 1.	MAC
SIP	account.x.mw i_parse_termi nated =		0 or 1	Added	It enables or disables the phone to parse the Terminated attribute in the received MWI NOTIFY message. **0**-Disabled **1**-Enabled	MAC

					The default value is 0.	
BLF		account.X.blf.match_host.enable		Removed		MAC
Alert-Info	account.X.alert_info =		0 or 1	Added	It enables or disables the IP phone to download the ring tone from the URL contained in the Alert-Info header for account X. **0**-Disabled **1**-Enabled The default value is 0.	MAC
SCA	account.x.shared_line_callpull_code =	account.1.shared_line_callpull_fac =	String within 32 characters		It configures the call pull feature access code to retrieve an existing call from another shared location for account X. The default value is *11.	MAC
SCA	account.x.shared_line_number_of_linekey =	account.1.shared_line_number_of_linekey =	String within 32 characters		It configures the number of DSS keys to associate with the shared line from the first unused DSS key (The default order of shared line keys assigned automatically is Line Key->Memory Key->Ext Key). The default value is 1.	MAC
Call park	account.x.callpark_enable =	account.6.callpark_enable =	0 or 1		It enables or disables call park subscription for account X. **0**-Disabled **1**-Enabled The default value is 0.	MAC
SIP	account.X.srtp_auth_tag_mode = 0		0, 1 or 2	Added	It configures the encryption algorithm carried in the SIP message when using voice encryption service for account X. **0**-AES-80&&AES-32 **1**-AES-80 **2**-AES-32	MAC
Anonymous Call	account.X.send_anonymou		0 or 1	Added	It configures the IP phone to send anonymous call rejection	MAC

	s_rejection_code =				on/off code to activate/deactivate the server-side anonymous call rejection feature for account X. **0**-Off Code **1**-On Code If it is set to 0 (Off Code), the IP phone will send anonymous rejection off code to deactivate the server-side anonymous call rejection feature. If it is set to 1 (On Code), the IP phone will send anonymous rejection on code to activate the server-side anonymous call rejection feature. The default value is 0.	
BLF List	account.x.blf_list_retrieve_call_parked_code =		String within 32 characters	Added	It configures the feature access code for the Call Park Retrieve (default: *88) for account X. The default value is blank.	MAC