Yealink SIP IP Phones Release Notes of Version 80

Table of Contents

Yealink SIP IP Phones Release Notes of Version x.80.0.60

1. Introduction

- Firmware Version:

  T21P-E2: 52.80.0.3 upgrades to 52.80.0.60.

  T23G/P: 44.80.0.25 upgrades to 44.80.0.60.

  T27P: 45.80.0.25 upgrades to 45.80.0.60.

  T29G: 46.80.0.25 upgrades to 46.80.0.60.

  T41P: 36.73.0.50 upgrades to 36.80.0.60.

  T42G: 29.73.0.50upgrades to 29.80.0.60.

  T46G: 28.73.0.50 upgrades to 28.80.0.60

  T48G: 35.73.0.50upgrades to 35.80.0.60.

- Applicable Models: SIP-T21P-E2/T23(G/P)/T27P/T29G/T41P/T42G/T46G/T48G
- Release Date: July 5th, 2015.

2. New Features

- Added the feature of Outbound Proxy Server Backup.
- Added seven Action URL to the newly version.
- Added the feature of Draft BLA.
- Added the feature of CDP.
- Added the feature of Location in TimeZone module.
- Added the feature of SMS in the model of T48G\T29G\T46G.
- Added the support of SHA256、SHA512、SHA384.

3. Optimization

- Optimized the feature of RTCP-XR.
- Optimized the feature of configuring the sending volume of the handset.

- Optimized the feature of XML Browser.
- Optimized the feature of Remote Phonebook.
- Optimized the feature of SCA.
- Optimized the using of EXP38 on T27 and T29.
- Optimized the tone quality on T4X/T23/T27/T29.
- Optimized the content of note on the SIP phones.
- Optimized the configuration path on the web user interface.
- Optimized the document of Yealink IP Phones Auto Provisioning Guide.

4. Bug Fixes

- Fixed the issue that the phone was noisy when connected with YHS32.
- Fixed the issue that the communications is one-way on T23G.
- Fixed the issue that the value of timezone which displayed on LCD screen was error.
- Fixed the translation issues of Spanish in all models.
- Fixed the display issue that the volume icon was defective when the user adjusted the ringer volume when the phone is idle.
- Fixed the translation issues of German on the web user interface.
- Fixed the display issue that the BLF displayed abnormally on T23P and T29G.
- Fixed the issue that the new T2 series was problematic when connected with EXP38 and EXP39.
- Fixed the issue that the new version could not support the communication tools of UME.
- Fixed the display issue that the GUI of T21P E2 was defective when it was in the Transfer scene.

5. New Features Descriptions

- **Added the feature of Outbound Proxy Server Backup.**
  Description: Added the feature of Outbound Proxy Server in the account registration module.
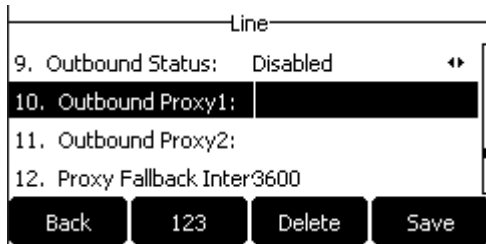 **The parameters in the auto provision template are described as follows:**
  account.X.backup_outbound_host =
  account.X.backup_outbound_port =

account.X.outbound_proxy_fallback_interval =

To set this feature via phone user interface:

Menu➔Setting➔Advanced Settings➔Accounts

To set this feature via web user interface:

● **Added seven Action URL to the newly version.**

Description: The Action URLs were as follows:

Open Call Waiting;

Colse Call Waiting;

Headset;

Handfree;

Cancel Call Out;

Remote Busy;

Call Remote Canceled;

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

action_url.call_waiting_on =

action_url.call_waiting_off =

action_url.headset =
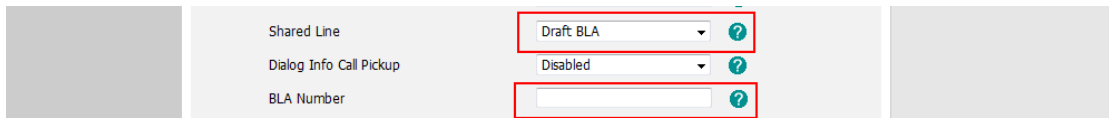
action_url.handfree =

action_url.cancel_callout =

action_url.remote_busy =

action_url.call_remote_canceled =

● **Added the feature of Draft BLA.**

To set Draft BLA via web user interface:

Account➔Advanced

● **Added the feature of CDP.**

Description: Added a new configuration item in the web user interface.

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

network.cdp.enable =

##Enables or disables the CDP (Cisco Discovery Protocol) feature on the IP phone.

network.cdp.packet_interval =

##Configures the interval (in seconds) for the IP phone to send the CDP (Cisco Discovery Protocol) request.

To set this feature via phone user interface:
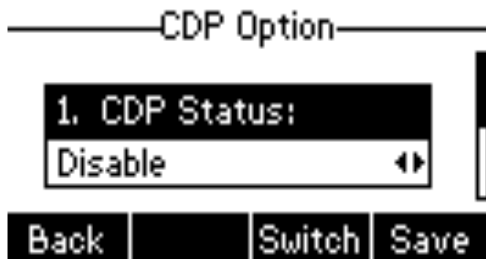
To set this feature via web user interface:
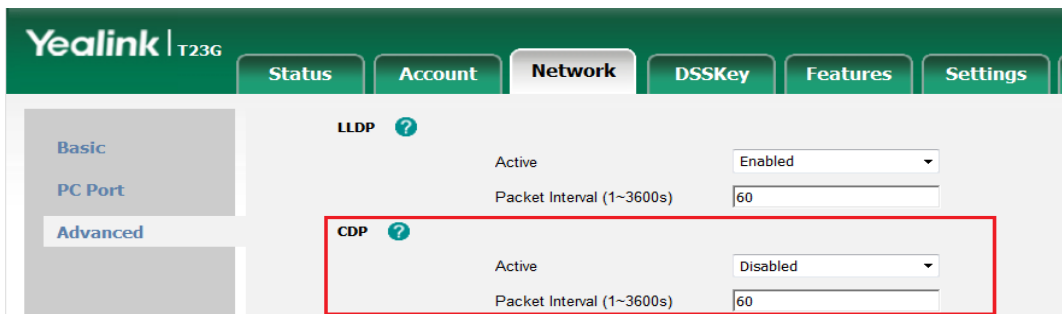
● **Added the feature of Location in TimeZone module.**

To set the location via web user interface:

Settings->Time & Date

To set this feature via phone user interface:

Menu->Settings->Basic Settings->Time&Date->SNTP Settings

The parameter in the auto provision template is described as follows:

local_time.time_zone_name =

● **Added the feature of SMS in the model of T48\T29\T46.**

To set the SMS via web user interface:

Features->SMS

To set this feature via phone user interface:

Menu->Message->Text   Message

6.   Optimization Descriptions

● **Optimized the feature of RTCP-XR.**

- **Optimized the feature of configuring the sending volume of the handset.**

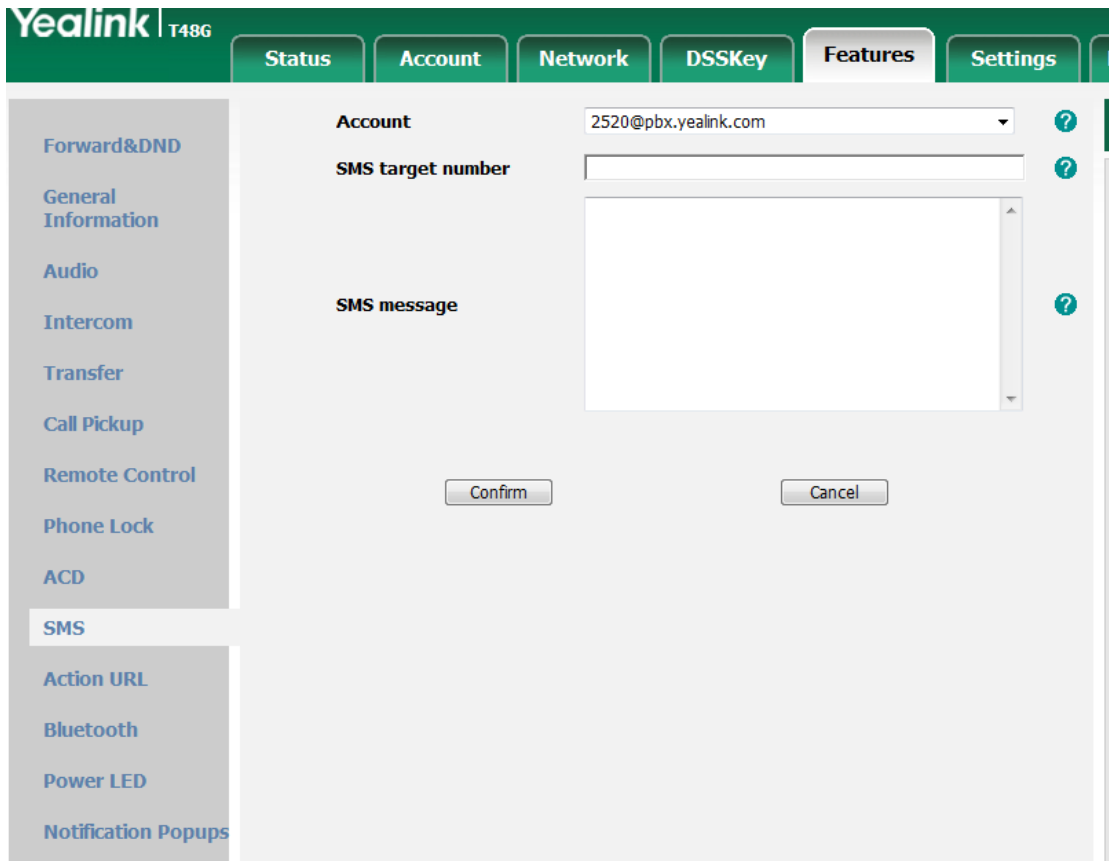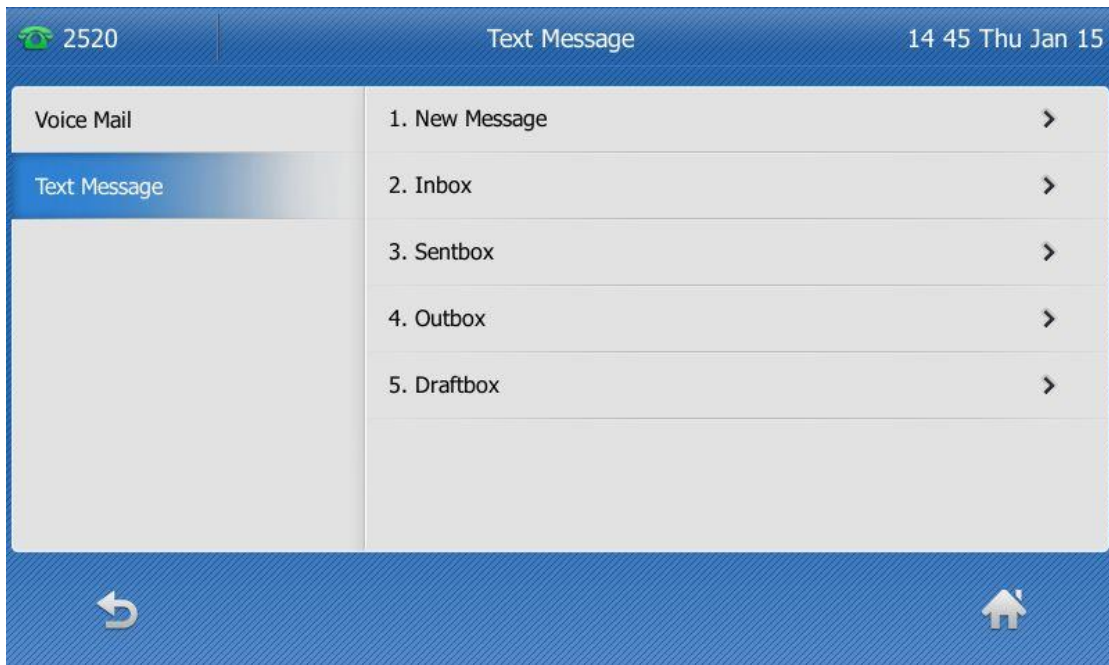 **The parameters in the auto provision template are described as follows:**

  voice.handfree_send =

  voice.handset_send =

  voice.headset_send =

  For more information please refer to the *Yealink_SIP-T2_Series_T19(P)*
  E2_T4_Series IP phones_Description of Configuration Parameters in CFG
  Files_V80_60

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

- **Optimized the feature of Remote Phonebook.**
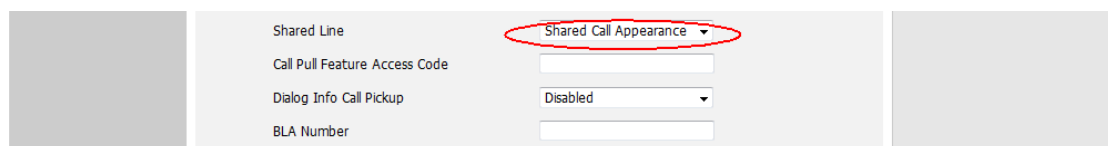
  Description: Unified the handling mechanism on all SIP phones, the searching
  user interface was now matched the #SEARCH character.

- **Optimized the feature of SCA.**

  Description: Modified the configuring item name as Shared Call Appearance in
  the wen user interface.

  To set the SMS via web user interface:

  Account→Advanced

	Shared Line	Shared Call Appearance ▾	
	Call Pull Feature Access Code		
	Dialog Info Call Pickup	Disabled ▾	
	BLA Number		

- **Optimized the support of EXP38 on T27 and T29.**

- **Optimized the tone quality on T4X/T23/T27/T29.**

- **Optimized the content of note on the SIP phones.**
  Description: Removed the note feature on the black-and-white screens.
  Optimized the prompts indicates on the color screen.
  The parameter in the auto provision template is described as follows:

  account.X.display_name =

  For more information please refer to the *Yealink_SIP-T2_Series_T19(P)*
  E2_T4_Series IP phones_Description of Configuration Parameters in CFG
  Files_V80_60

- **Optimized the configuration path on the web user interface.**

Description: The old configuration parameter of Transport was now moved to the path of backup outbound proxy server.

The parameter in the auto provision template was now modified as bellow:

account.X.sip_server.Y.transport_type =

To set this feature via web user interface:

The old configuration parameters of Local SIP Port and SIP Session Timer in the advanced account web page were now moved to the page of Setting-SIP.

The old page in the version of 73:

The new page in the version of 80:
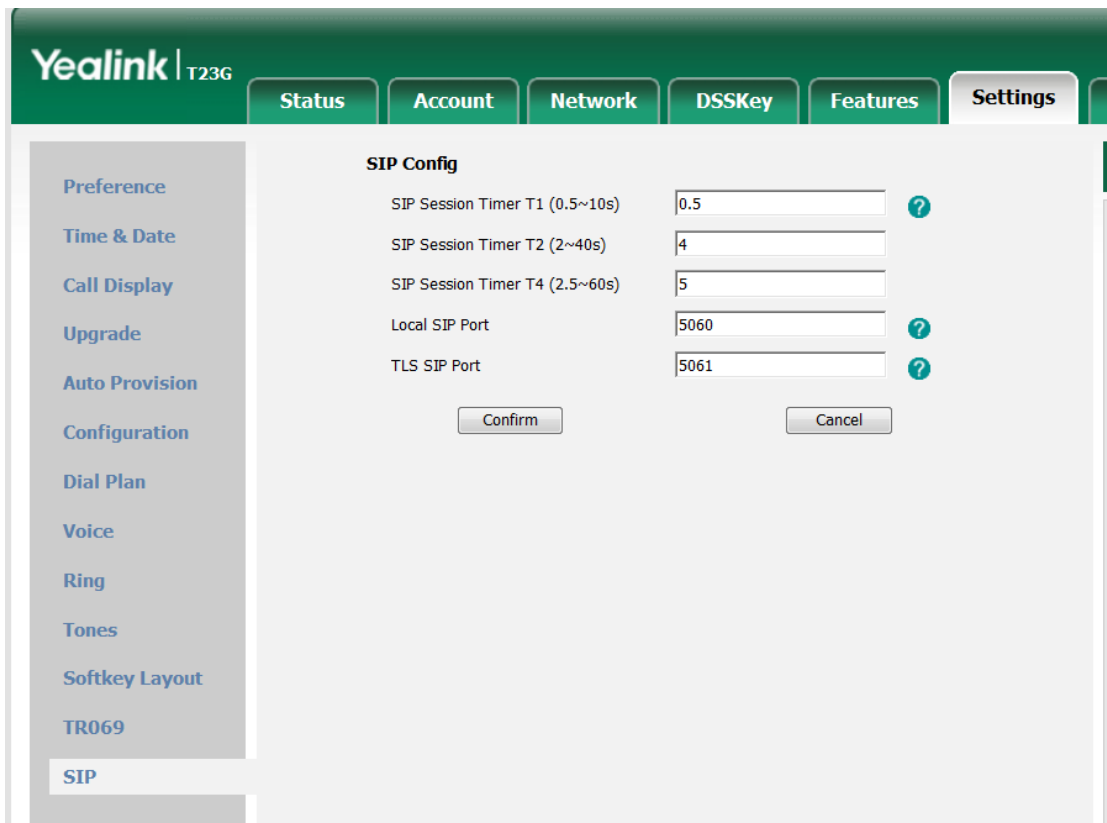
- **Optimized the document of Yealink IP Phones Auto Provisioning Guide.**

  Description: Optimized the document of Yealink IP Phones Auto Provisioning Guide，for more information about the Description of Configuration Parameters in CFG Files please refer to the *Yealink_SIP-T2_Series_T19(P) E2_T4_Series IP phones_Description of Configuration Parameters in CFG Files_V80_60.*

7. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log					
Firmware Version：[x.73.0.x]-[x.80.0.x]					
Feature	Provisioning syntax Comparison		Permitted Values	Action	Description	File
	V80	V73				
syslog	syslog.log_upload_period =	none	Integer from 30 to 2592000	Add	Added a new configuration item to configure the period of the log upload (in seconds) to the provisioning server. The default value is 30.	common.cfg

					It takes effect after a reboot.	
syslog	syslog.ftp.post _mode =	none	1 or 2	Add	It configures whether the log files on the provisioning server are overwritten or appended. 1-Append 2-Overwrite (not applicable to TFTP Server) The default value is 1. It takes effect after a reboot. Note: It works only if the value of the parameter ―syslog.mode‖ is set to 2 (FTP/TFTP Server).	comm on.cfg
syslog	syslog.ftp.max _logfile =	none	Integer from 200 to 65535	Add	It configures the maximum size of the log files on the provisioning server. The default value is 512. It takes effect after a reboot. Note: It works only if the value of the parameter ―syslog.mode‖ is set to 2 (FTP/TFTP Server).	comm on.cfg
syslog	syslog.ftp.app end_limit_mo de =	none	1 or 2	Add	It configures the phone to stop log upload or delete the old log when the log on the provisioning server reaches the max size. 1-Delete 2-Stop The default value is 1. It takes effect after a reboot.	comm on.cfg
syslog	syslog.bootlog _upload_wait _time =	none	Integer from 1 to 86400	Add	It configures the waiting time (in seconds) before the phone uploads the log file to the provisioning server. The default value is 120. It takes effect after a reboot.	comm on.cfg
syslog	syslog.mode	syslog.mode	0, 1 or 2	Change	It configures the IP phone to	comm on.cfg

					export log files to an FTP/TFTP Server (provisioning server), syslog server or the local system. 0-Local 1-Syslog Server 2-FTP/TFTP Server The default value is 0.	
account	account.x.blf.match_host.enable	none	0 or 1	Add	It enables or disables host match feature for BLF/BLF list feature. 0-Disabled 1-Enabled If it is set o 1 (Enabled), the IP phone can only recognize the NOTIFY message whose host field is the same as the one in the SUBCRIBLE message. The default value is 0.	mac.cfg
Features	features.caller_name_type_on_dialing =	features.display_method_on_dialing =	1, 2 or 3	Change	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 2-Display Name 3-User Name The default value is 3.	common.cfg
network	network.cdp.enable =	none	0 or 1	Add	It enables or disables CDP feature on the IP phone. 0-Disabled 1-Enabled The default value is 0. It takes effect after a reboot.	common.cfg
network	network.cdp.packet_interval =	none	Integer from 1 to 3600	Add	It configures the interval (in seconds) for the IP phone to send the CDP request. The default value is 60.	common.cfg

				It takes effect after a reboot. Note: It works only if the value of the parameter 一 network.cdp.enable‖ is set to 1 (Enabled).	
action_url	action_url.held =	none	URL within 256 characters	Add	It configures the action URL the IP phone sends when a call is held.	common.cfg
action_url	action_url.unheld =	none	URL within 256 characters	Add	It configures the action URL the IP phone sends when a call being held is resumed. Example: action_url.unheld = http://192.168.0.20/help.xml?IP =$ip The default value is blank.	common.cfg
sip	sip.disp_incall _to_info =	none	0 or 1	Add	It enables or disables notifying the GUI of the information in the To field when receiving an incoming call. 0-Disabled 1-Enabled The default value is 0.	common.cfg
sip	sip.limit_server _name =	none	String within 256 characters	Add	It configures the string that must be contained in the SIP server address. The default value is blank.	common.cfg
sip	sip.limit_server _reason =	none	String within 256 characters	Add	It configures the string returned as the reason of the register failure due to misconfiguration of the SIP server (not contains the string configured by the parameter 一sip.limit_server_name‖). The default value is blank.	common.cfg
sip	sip.tls_listen_ port =	none	Integer from 1024 to 65535	Add	It configures the local TLS listen port. The default value is 5061.	common.cfg
sip	sip.nat_stun.e nable =	none	0 or 1	Add	It enables or disables STUN feature on the IP	common.cfg

					phone. 0-Disabled 1-Enabled The default value is 0.	
account	account.X.dial _tone =	none	0,1 or 2	Add	It configures the dial tone for the IP phone. 0-Default (depend on the selection of country tone) 1-A specified tone 2-Mute The default value is 0.	mac.cf g
sip	sip.timer_t1 =	account.X.ad vanced.time r_t1 =	Float from 0.5 to 10s	Change	It configures the SIP session timer T1 (in seconds).T1 is an estimate of the Round Trip Time (RTT)of transactions between a SIP client and SIP server. The default value is 0.5.	mac.cf g/ comm on.cfg
sip	sip.timer_t2 =	account.X.ad vanced.time r_t2 =	Float from 2 to 40s	Change	It configures the SIP session timer T2 (in seconds). T2 represents the maximum retransmit interval for non-INVITE requests and INVITE responses. The default value is 4.	mac.cf g/ comm on.cfg
sip	sip.timer_t4 =	account.X.ad vanced.time r_t4 =	Float from 2.5 to 60s	Change	It configures the SIP session timer T4 (in seconds).T4 represents the maximum duration a message will remain in the network. The default value is 5.	mac.cf g/ comm on.cfg
sip	sip.listen_port =	account.X.si p_listen_por t	Integer from 1024 to 65535	Change	It configures the local SIP port. The default value is 5060.	mac.cf g/ comm on.cfg
sip	sip.nat_stun.s erver =	account.X.na t.stun_serve r	IP address or domain name	Change	It configures the IP address or domain name of the STUN server. The default value is blank.	mac.cf g/ comm on.cfg
sip	sip.nat_stun.p ort =	account.X.na t.stun_port =	Integer from 1024 to 65000	Change	It configures the port of the STUN server. The default value is 3478.	mac.cf g/ comm

						on.cfg
account	account.X.sip_server.Y.transport_type =	account.X.transport =	0, 1, 2 or 3	Change	It configures the type of transport protocol for account X. 0-UDP 1-TCP 2-TLS 3-DNS-NAPTR The default value is 0.	mac.cfg
sip	sip.trust_ctrl =	account.X.sip_trust_ctrl =	0 or 1	Change	It enables or disables the IP phone to only accept the message from the SIP and outbound proxy server. 0-Disabled 1-Enabled The default value is 0. Note: If you want to reject the call using IP address, make sure the value of the parameter features.direct_ip_call_enable ‖ is set to 0 (Disabled).	mac.cfg/ common.cfg
dns	dns_cache_a.1.name =	account.X.dns_cache_a.Y.name =	Domain name	Change	It configures the domain name in SRV record X. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_a.1.ip =	account.X.dns_cache_a.Y.ip =	IP address	Change	It configures the IP address that the domain name in A record X maps to.The default value is blank.For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_a.1.ttl =	account.X.dns_cache_a.Y.ttl =	Integer from 30 to 2147483647	Change	It configures the time interval (in seconds) that A record X may be cached before the record should be consulted again. The default value is 300.	mac.cfg/ common.cfg
dns	dns_cache_srv.1.name =	account.X.dns_cache_srv.Y.name =	Domain name	Change	It configures the domain name in SRV record X. For more information, refer to Server	mac.cfg/ common.cfg

dns	dns_cache_srv .1.port =	account.X.dn s_cache_srv. Y.port =	Integer from 0 to 65535	Change	It configures the port to be used in SRV record X. The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.priority =	account.X.dn s_cache_srv. Y.priority =	Integer from 0 to 65535	Change	It configures the priority for the target host in SRV record X. Lower priority is more preferred. The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.target =	account.X.dn s_cache_srv. Y.target =	Domain name	Change	It configures the domain name of the target host for an A query in SRV record X. The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.weight =	account.X.dn s_cache_srv. Y.weight =	Integer from 0 to 65535	Change	It configures the weight of the target host in SRV record X.When priorities are equal, weight is used to differentiate the preference.Higher weight is more preferred.The default value is 0.For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.ttl =	account.X.dn s_cache_srv. Y.ttl =	Integer from 30 to 2147483647	Change	It configures the time interval (in seconds) that SRV record X may be cached before the record should be consulted again. The default value is 300.	mac.cf g/ comm on.cfg

dns	dns_cache_naptr.1.name =	account.X.dns_cache_naptr.Y.name =	Domain name	Change	It configures the domain name to which NAPTR record X refers. The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_naptr.1.flags =	account.X.dns_cache_naptr.Y.flags =	S, A, U or P	Change	It configures the flag of NAPTR record X.(Always 一s‖ for SIP, which means to do an SRV lookup on whatever is in the replacement field) S-Do an SRV lookup next. A-Do an A lookup next. U-No need to do a DNS query next. P-Service customized by the user The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_naptr.1.order =	account.X.dns_cache_naptr.Y.order =	Integer from 0 to 65535	Change	It configures the order of NAPTR record X.NAPTR record with lower order is more preferred.The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones	mac.cfg/ common.cfg
dns	dns_cache_naptr.1.preference =	account.X.dns_cache_naptr.Y.preference =	Integer from 0 to 65535	Change	It configures the preference of NAPTR record X. NAPTR record with lower preference is more preferred. The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_na	account.X.dn	Domain	Change	It configures a domain name to	mac.cf

	ptr.1.replace =	s_cache_nap tr.Y.replace =	name		be used for the next SRV query in NAPTR record X.The default value is blank.For more information, refer to Server Redundancy on Yealink IP Phones.	g/ comm on.cfg
dns	dns_cache_na ptr.1.service =	account.X.dn s_cache_nap tr.Y.service =	String within 32 characters	Change	It configures the transport protocol available for the SIP server in NAPTR record X. The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_na ptr.1.ttl =	account.X.dn s_cache_nap tr.Y.ttl =	Integer from 30 to 2147483647	Change	It configures the time interval (in seconds) that NAPTR record X may be cached before the record should be consulted again. The default value is 300. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
voice	voice.rtcp_xr.e nable =	none	0 or 1	Add	It enables or disables the IP phone to send RTCP-XR packets. 0-Disabled 1-Enabled The default value is 0.	comm on.cfg
Feature	custom.featur es.redial_via_l ocal_sip_serve r.enable =	none	0 or 1	Add	It configures the IP phone to redial via local SIP server or remote SIP server. 0-Remote SIP Server 1-Local SIP Server The default value is 0.	comm on.cfg
zero	zero_touch.ne twork_fail_wai t_times =	none	Integer greater than1	Add	It configures the reconnection times when zero touch module fails to obtain network parameters. The default value is 5.	comm on.cfg
zero	zero_touch.ne twork_fail_del ay_times =	none	Integer greater than 1000	Add	It configures the duration time (in milliseconds) of every reconnection when zero touch module fails to obtain network	comm on.cfg

					parameters. The default value is 1000.	
features	features.ldap.i nput_type =	none	Abc, 2aB, 123, abc or ABC	Add	It configures the input method type when performing an LDAP search. The default value is Abc.	comm on.cfg
features	features.call_i nvite_format =	none	0 or 1	Add	It configures the format of callee field in the INVITE message. 0-sip:XXX 1-tel:Number The default value is 0.	comm on.cfg
features	action_url.sho w_msgbox =	none		Add		comm on.cfg
phone_set ting	phone_setting .logon_wizard _forever_wait =	none	0 or 1	Add	It enables or disables the IP phone to remain at the hot desking logon wizard even though timeout. 0-Disabled 1-Enabled The default value is 0.	comm on.cfg
features	features.transf er_type =	none	0 or 1	Add	It enables or disables the IP phone to transfer the call by a special INVITE message. 0-Disabled (Refer message) 1-Enabled (Specially for the Panasonic server)	comm on.cfg
features	features.caller _name_type_ on_dialing =	none	1, 2 or 3	Add	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 2-Display Name 3-User Name The default value is 3.	comm on.cfg
phone_set ting	phone_setting .unregister_ac count_block_o ut.enable=	none	0 or 1	Add	It enables or disables the phone to forbid the calling function without an account. 0-Disabled 1-Enabled The default value is 0.	comm on.cfg

features	gui_input_method.delete =	none	http://localhost /all or http://localhost /name.txt	Add	It deletes all custom input method file for phone user interface.Delete all customized input method files:gui_input_method.delete = http://localhost/all Delete a customized input method file (e.g.,ime.txt) for the phone:gui_input_method.delete = http://192.168.10.25/ime.txt The valid value is: http://localhost/all The default value is blank.	common.cfg
features	features.off_hook_answer.enable =	none	0 or 1	Add	It configures the way of answering an incoming call for the IP phone. 0-Press the corresponding line key after off-hook or pressing the speakerphone key 1-Off-hook or press the speakerphone key The default value is 1.	common.cfg
features	features.play_local_dtmf_tone_enable=	none	0 or 1	Add	It enables or disables the IP phone to play a local DTMF tone. 0-Disabled 1-Enabled The default value is 1.	common.cfg
account	account.X.sip_server.Y.register_on_enable =	account.X.reregister_enable =	0 or 1	Change	It enables or disables the IP phone to send registration requests to the secondary server for account X when encountering a failover.	mac.cfg
account	account.X.dial_tone =	none	0,1 or 2	Add	It configures the dial tone for the IP phone. 0-Default (depend on the selection of country tone) 1-A specified tone 2-Mute The default value is 0.	mac.cfg
Autop	none	auto_provision.attempt_expired_time		Delete		common.cfg

features	none	features.save_init_num_to_history.enable =		Delete		common.cfg
features	none	features.action_uri_force_autop =		Delete		common.cfg
phone_setting	none	phone_setting.ringback_timeout =		Delete		common.cfg
phone_setting	none	phone_setting.ringing_timeout =		Delete		common.cfg