Yealink SIP IP Phones Release Notes of Version 80

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Yealink SIP IP Phones Release Notes of Version x.80.193.130

1. Introduction

- Firmware Version:

  T19-E2: 53.80.193.125 upgrades to 53.80.193.130

  T21-E2: 52.80.193.125 upgrades to 52.80.193.130

  T23: 44.80.193.125 upgrades to 44.80.193.130

  T27: 45.80.193.125 upgrades to 45.80.193.130

  T29: 46.80.193.125 upgrades to 46.80.193.130

  T40: 54.80.193.125 upgrades to 54.80.193.130

  T41: 36.80.193.125 upgrades to 36.80.193.130

  T42: 29.80.193.125 upgrades to 29.80.193.130

  T46: 28.80.193.125 upgrades to 28.80.193.130

  T48: 35.80.193.125 upgrades to 35.80.193.130

- Applicable Models: T19-E2, T21-E2, T23, T27, T29, T40, T41, T42, T46, T48
- Release Date: July 13th, 2016.

2. New Features

None

3. Optimization

1. Optimized the feature that if you configure the idle timeout for non-office hours on SIP-T29G, SIP-T46G and SIP-T48G IP Phones, the phone will enter power-saving mode after 10 minutes by default.

4. Bug Fixes

1. Fixed the issue that after you configure an access URL for a remote phone book, the phone cannot work properly while connecting to the remote phone book and

proceeding to load it.

2. Fixed the issue that you activate DND on your phone successfully, and then the phone loose the network; but after the network is re-connected, the DND may be deactivated automatically.
3. Fixed the issue that you configure a BLF key to monitor a specific user successfully, and then the phone loose the network; but after the network is re-connected, the BLF feature cannot work properly as before.

5. Default Value Setting Changes

Default Value Factory Setting Change Log				
Features	**Provisioning syntax**	**Description**	**Default Value of Factory Setting**	
			x.80.193.125	**x.80.193.130**
Power Saving	features.power_saving.off_hour.idle_timeout =	It configures the time (in minutes) to wait in the idle state before IP phone enter power-saving mode during the non-office hours.	1	10

Yealink SIP IP Phones Release Notes of Version x.80.193.125

1. Introduction

- Firmware Version:

  T19-E2: 53.80.193.95 upgrades to 53.80.193.125

  T21-E2: 52.80.193.95 upgrades to 52.80.193.125

  T23: 44.80.193.95 upgrades to 44.80.193.125

  T27: 45.80.193.95 upgrades to 45.80.193.125

  T29: 46.80.193.95 upgrades to 46.80.193.125

  T40: 54.80.193.95 upgrades to 54.80.193.125

  T41: 36.80.193.95 upgrades to 36.80.193.125

  T42: 29.80.193.95 upgrades to 29.80.193.125

  T46: 28.80.193.95 upgrades to 28.80.193.125

  T48: 35.80.193.95 upgrades to 35.80.193.125

- Applicable Models: T19-E2, T21-E2, T23, T27, T29, T40, T41, T42, T46, T48
- Release Date: June 8th, 2016.

2. New Features

1. Added three DST Root CA X3.crt certifications for 3CX phone system.
2. Added the feature of screen saver on T29G, T46G and T48G IP phone.
3. Added the feature of power saving on T29G, T46G and T48G IP phone.

3. Optimization

2. Changed the default value of *local_time.ntp_server2* = into *pool.ntp.org*.
3. Optimized the feature of Call Park.

4. Bug Fixes

None

5. New Features Descriptions

1. **Added the feature of screen saver on T29G, T46G and T48G IP phone.**

   Description: Each time your phone is idle for a certain amount of time, the screen saver will automatically start. The screen saver is used to blank the screen or fill it with moving images or patterns. You can stop the screen saver at any time and return to the idle screen by pressing a key on the phone. If your phone is idle again for a specified period of time, the screen saver will start again.

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

   screensaver.wait_time=

   screensaver.type =

   screensaver.picture_change_interval =

   screensaver.clock_move_interval =

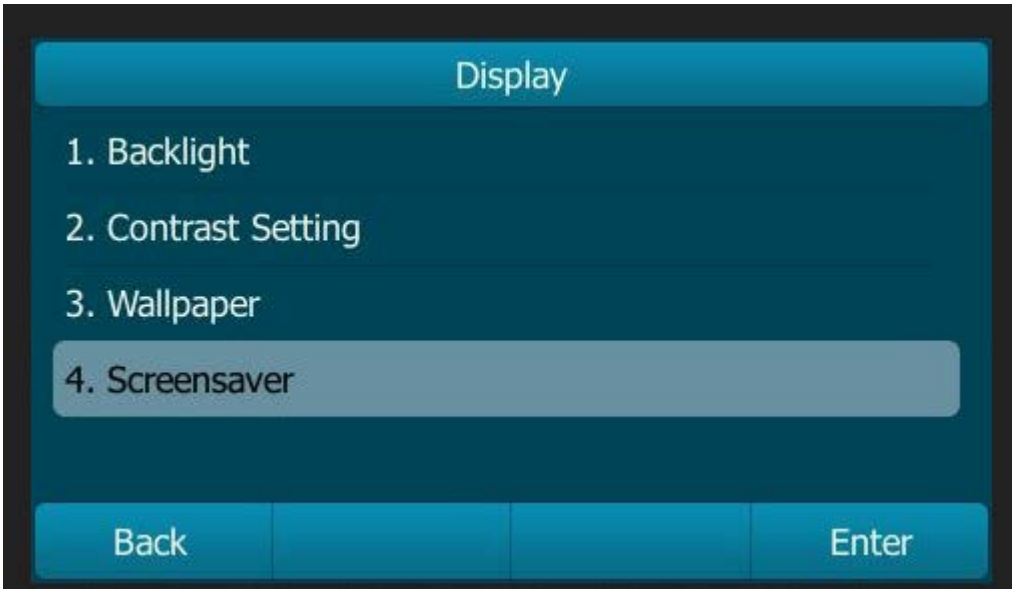
   screensaver.display_clock_on_upload_picture.enable =

   screensaver.upload_url =

   screensaver.delete =

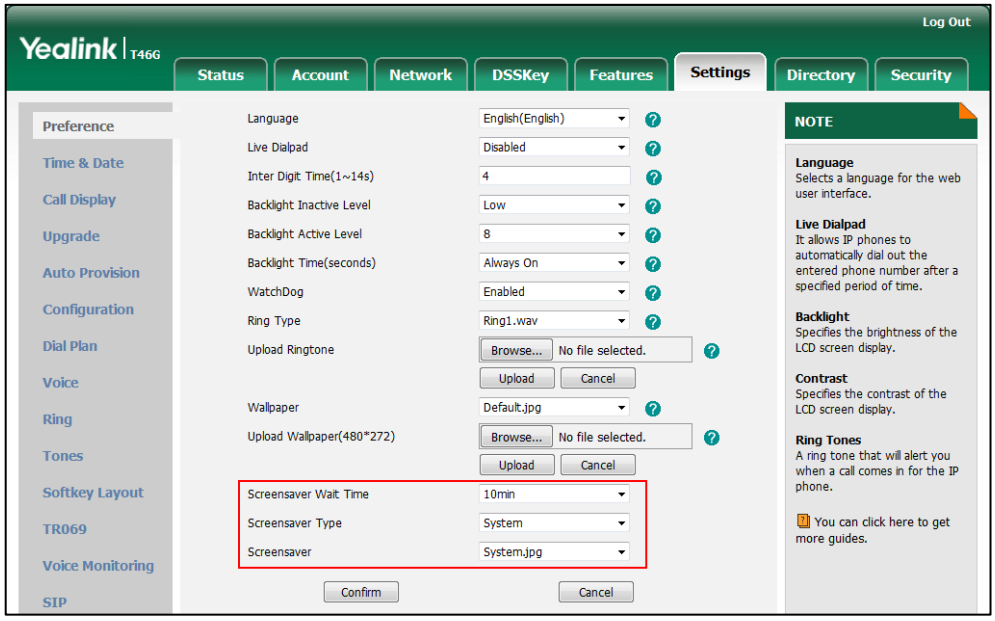
   To configure the screensaver wait time via phone user interface:

   Press **Menu** -> **Basic** -> **Display** -> **Screensaver.**



To configure the screen saver via web user interface:

Click on **Settings** -> **Preference**.



2. **Added the feature of power saving on T29G, T46G and T48G IP phone.**

Description: The feature of power saving is used to turn off the screen to conserve energy. The IP phone enters power-saving mode after it has been idle for a certain period of time. And the IP phone will exit power-saving mode if a phone event occurs—for example, if the phone has an incoming call or message, or you press a key on the phone. If the screen saver is enabled on your phone, power-saving mode will still occur.

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

features.power_saving.enable =

features.power_saving.office_hour.idle_timeout =

features.power_saving.off_hour.idle_timeout =

features.power_saving.user_input_ext.idle_timeout =

features.power_saving.office_hour.Monday =

features.power_saving.office_hour.Tuesday =

features.power_saving.office_hour.Wednesday =

features.power_saving.office_hour.Thursday =

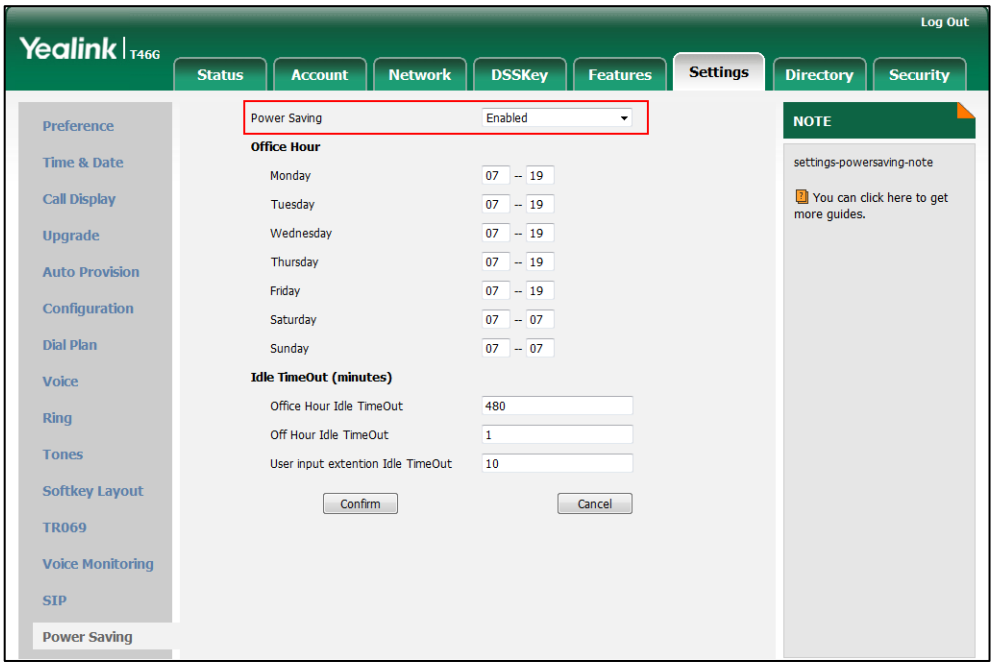
features.power_saving.office_hour.Friday =

features.power_saving.office_hour.Saturday =

features.power_saving.office_hour.Sunday =

To enabled the power saving feature via web user interface:

Click on **Settings** -> **Power Saving**.



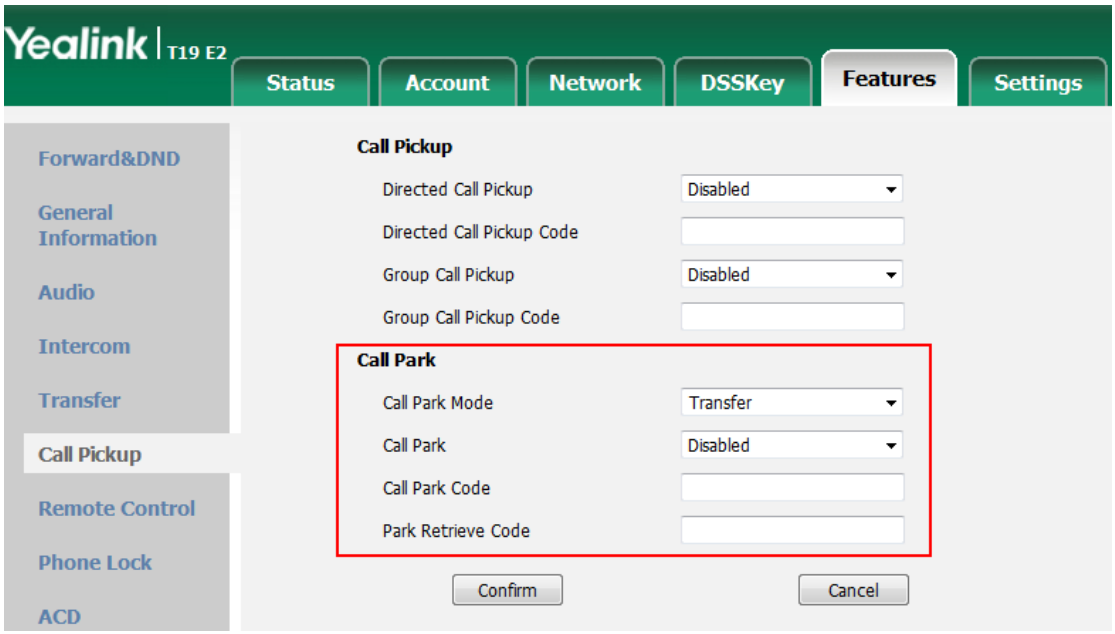
6. Optimization Descriptions

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

   Description: You can use call park feature to park a call, and then retrieve the parked call from another phone (for example, a phone in another office or conference room). If you configure a call park key for account X, the call park key is also available for other accounts that are registered on the same sever and on the same IP phone (the SIP server type of other accounts must be set to Star2Star). You can configure call park feature under the following three modes: XSI mode, FAC mode and Transfer mode.

To configure call park feature via web user interface:

Click on **Features** -> **Call Pickup**.



7. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log							
Firmware Version：[x. 80.193.95]-[x.80.193.125]							
Feature	**Provisioning syntax Comparison**		**Permitted Values**	**Default Value**	**Action**	**Description**	**File**
	x.80.193.95	**x.80.193.125**					
Power Saving		features.power_saving.enable =	0 or 1	1	Add	It enables or disables the power saving feature. 0-Disabled 1-Enabled	common.cfg
Power Saving		features.power_saving.office_hour.idle_timeout =	**For SIP VP-T49G:** Interger from 1 to 240 **For SIP-T48G/T46G/T29G:** Interger	**For SIP VP-T49G:** The default value is 120. **For SIP-T48G/T46G/T29G:** The default value is 480.	Add	It configures the time (in seconds) to wait in the idle state before IP phone enter power-saving mode during the office hours.	common.cfg

			from 1 to 600				
Power Saving		features.power_saving.off_hour.idle_timeout =	Integer from 1 to 10	1	Add	It configures the time (in seconds) to wait in the idle state before IP phone enter power-saving mode during the non-office hours.	common.cfg
Power Saving		features.power_saving.user_input_ext.idle_timeout	Integer from 1 to 20	10	Add	It configures the time (in seconds) to wait in the idle state before IP phone enter power-saving mode when pressing a key on the phone or tapping the touch screen (only applicable to SIP VP-T49G/SIP-T48G). Note: If you press a key on the phone or tap the touch screen (only applicable to SIP VP-T49G/SIP-T48G), the idle timeout that applies (User input extension Idle Timeout or Office Hours/Off Hours Idle Timeout) is the timeout with the highest value. If the phone has an incoming call or message, the User input extension Idle Timeout is ignored.	common.cfg
Power Saving		features.power_saving.office_hour.monday	Integer from 0 to 23, Integer from 0 to 23	7,12	Add	It configures the starting time and duration of the day's office hour on Monday. Starting time and duration are separated by commas.	common.cfg
Power Saving		features.power_saving.office_hour.tuesday	Integer from 0 to 23, Integer from 0 to 23	7,12	Add	It configures the starting time and duration of the day's office hour on Tuesday. Starting time	common.cfg

						and duration are separated by commas.	
Power Saving		features.power_saving.office_hour.Wednesday =	Integer from 0 to 23, Integer from 0 to 23	7,12	Add	It configures the starting time and duration of the day's office hour on Wednesday. Starting time and duration are separated by commas.	common.cfg
Power Saving		features.power_saving.office_hour.Thursday =	Integer from 0 to 23, Integer from 0 to 23	7,12	Add	It configures the starting time and duration of the day's office hour on Thursday. Starting time and duration are separated by commas.	common.cfg
Power Saving		features.power_saving.office_hour.Friday =	Integer from 0 to 23, Integer from 0 to 23	7,12	Add	It configures the starting time and duration of the day's office hour on Firday. Starting time and duration are separated by commas.	common.cfg
Power Saving		features.power_saving.office_hour.Saturday =	Integer from 0 to 23, Integer from 0 to 23	7,0	Add	It configures the starting time and duration of the day's office hour on Saturday. Starting time and duration are separated by commas.	common.cfg
Power Saving		features.power_saving.office_hour.Sunday =	Integer from 0 to 23, Integer from 0 to 23	7,0	Add	It configures the starting time and duration of the day's office hour on Sunday. Starting time and duration are separated by commas.	common.cfg
Screen saver		screensaver.wait_time =	**For SIP VP-T49G:** 15, 30, 60, 120, 300, 600 or 1800 **For SIP-T48G/T46G/T29G:** 0, 15, 30, 60, 120,	**For SIP VP-T49G:** The default value is 600. **For SIP-T48G/T46G/T29G:** The default value is 0.	Add	It configures the time (in seconds) to wait in the idle state before the screen saver starts. 0-Never 15-15s 30-30s 60-1min	common.cfg

			300, 600 or 1800			120-2min 300-5min 600-10min 1800-30min	
Screen saver		screensaver.type =	0 or 1	0	Add	It configures the type of screen saver to display. 0-System 1-Upload Picture If it is set to 0 (System), the LCD screen saver will display the system screen saver images. If it is set to 1 (Upload Picture), the LCD screen will display the custom screen saver images (you need to upload custom image files to the IP phone).	common.cfg
Screen saver		screensaver.picture_change_interval =	Integer from 5 to 1200	60	Add	It configures the interval (in seconds) for the IP phone to change the picture when the screen saver starts. Note: It works only if the value of the parameter "screensaver.type" is set to 1 (Upload Picture) and the parameter "screensaver.upload_url" should be configured in advance.	common.cfg
Screen saver		screensaver.clock_move_interval =	Integer from 5 to 1200	600	Add	It configures the interval (in seconds) for the IP phone to move the clock when the screen saver starts. Note: For custom screen saver, this parameter works only if the value of the parameter	common.cfg

						"screensaver.display_clock_on_upload_picture.enable" is set to 1 (Enabled).	
Screen saver		screensaver.display_clock_on_upload_picture.enable =	0 or 1	1	Add	It enables or disables the IP phone to display the clock on the custom screen saver image when the screen saver starts. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "screensaver.type" is set to 1 (Upload Picture) and the parameter "screensaver.upload_url" should be configured in advance.	common.cfg
Screen saver		screensaver.upload_url =	URL within 511 characters	Blank	Add	It configures the access URL of the custom screen saver image. **Example:** screensaver.upload_url = http://192.168.10.25/Screencapture.jpg During the auto provisioning process, the IP phone connects to the HTTP provisioning server "192.168.10.25", and downloads the screen saver image "Screencapture.jpg". If you want to download multiple screen saver images to the phone simultaneously, you can configure as following: screensaver.upload_url = http://192.168.10.25/Screencapture.jpg	common.cfg

						screensaver.upload_url = http://192.168.10.25/Screensaver.jpg Note: It works only if the value of the parameter "screensaver.type" is set to 1 (Upload Picture).	
Screen saver		screensaver.delete =	http://localhost/all or http://localhost/name.(jpg/png/bmp)	Blank	Add	It deletes the specified or all custom screen saver images. **Example:** Delete all custom screen saver images: screensaver.delete = http://localhost/all Delete a custom screen saver image (e.g., Screencapture.jpg): gui_lang.delete = http://localhost/Screencapture.jpg	common.cfg

8. Default Value Setting Changes

Default Value Factory Setting Change Log				
Features	**Provisioning syntax**	**Description**	**Default Value of Factory Setting**	
			x. 80.193.95	**x.80.193.125**
Time	local_time.ntp_server2 =	It configures the IP address or domain name of the NTP server 2. If the NTP server 1 is not configured or cannot be accessed, the IP phone will request the time and date from the NTP server 2. Example: local_time.ntp_server2 = 192.168.0.6	cn.pool.ntp.org	pool.ntp.org

Yealink SIP IP Phones Release Notes of Version x.80.193.95

1. Introduction

- Firmware Version:

  T19-E2: 53.80.193.90 upgrades to 53.80.193.95

  T21-E2: 52.80.193.90 upgrades to 52.80.193.95

  T23: 44.80.193.90 upgrades to 44.80.193.95

  T27: 45.80.193.90 upgrades to 45.80.193.95

  T29: 46.80.193.90 upgrades to 46.80.193.95

  T40: 54.80.193.90 upgrades to 54.80.193.95

  T41: 36.80.193.90 upgrades to 36.80.193.95

  T42: 29.80.193.90 upgrades to 29.80.193.95

  T46: 28.80.193.90 upgrades to 28.80.193.95

  T48: 35.80.193.90 upgrades to 35.80.193.95

- Applicable Models: T19-E2, T21-E2, T23, T27, T29, T40, T41, T42, T46, T48
- Release Date: Jan 22nd, 2016.

2. New Features

None

3. Optimization

1. Add three CA certificates of Let's Encrypt.

Yealink SIP IP Phones Release Notes of Version x.80.193.90

1. Introduction

- Firmware Version:

  T19-E2: 53.80.193.80 upgrades to 53.80.193.90

  T21-E2: 52.80. 193.80 upgrades to 52.80.193.90

  T23: 44.80.193.80 upgrades to 44.80.193.90

  T27: 45.80.193.80 upgrades to 45.80.193.90

  T29: 46.80.193.80 upgrades to 46.80.193.90

  T40: 54.80.193.85 upgrades to 54.80.193.90

  T41: 36.80.193.80 upgrades to 36.80.193.90

  T42: 29.80.193.80 upgrades to 29.80.193.90

  T46: 28.80.193.80 upgrades to 28.80.193.90

  T48: 35.80.193.80 upgrades to 35.80.193.90

- Applicable Models: T19-E2, T21-E2, T23, T27, T29, T40, T41, T42, T46, T48
- Release Date: Dec 8th, 2015.

2. New Features

1. Added the configuration parameter of sending volume.
2. Added the feature that all the diagnostic files can be exported at a time.

3. Optimization

1. Optimized the feature that RTCP-XR can be configured via web user interface.
2. Added the configuration parameter of Full Duplex 1000Mbps on T23G/ T29G/ T42G/ T46G/ T48G IP phone.

4. Bug Fixes

1. Fixed the issue that Static DNS cannot work normally on SIP-T23G.

2. Fixed the issue that the SIP-T21P E2 may have a silence call fault.
3. Fixed the issue that the header fields of transport=tcp is missing when registering via TCP on SIP-T23.
4. Fixed the issue that T23G cannot receive the external call.
5. Fixed the issue that the time information displayed in the call history is incorrect on SIP-T41P and SIP-T42G.
6. Fixed the issue that when you view the call history, then choose a number and dial, the call may fail on SIP-T46G.
7. Fixed the issue that after changing the router's IP address, the network packet is still sent by the old IP address on SIP-T29G and SIP-T23G.
8. Fixed the issue that when making a blind transfer on SIP-T21P E2, the other party cannot receive the call.
9. Fixed the issue that the default input method is not unified among different IP phones of version 80.
10. Added the feature that the sending volume can be configured via web user interface.
11. Fixed the issue that when browsing a remote phonebook by entering into the secondary directory, the screen shows “unknown” as title.
12. Fixed the issue that the phone cannot automatically play a warning tone when it receives an incoming intercom call.
13. Fixed the issue that when headset mode is activated and headset prior feature is enabled, the incoming call cannot be connected to the headset automatically.
14. Fixed the issue that after SIP-T21P E2 upgrading to the new version, it cannot automate provisioning.
15. Fixed the issue that after SIP-T48G upgrading from version 72 to version 80, the EHS36 working with Plantronic headset cannot use directly.
16. Fixed the issue that RTP packet sent from the called party has long delays.
17. Fixed the issue that when switching from one WAN line to the other WAN line, it may take about 10 minutes to register again.

5. New Features Descriptions

1. **Added the configuration parameter of sending volume.**

   Description: Sending volume allows user to adjust the sending volume of currently engaged audio devices (handset, speakerphone or headset) when the phone is in use.

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

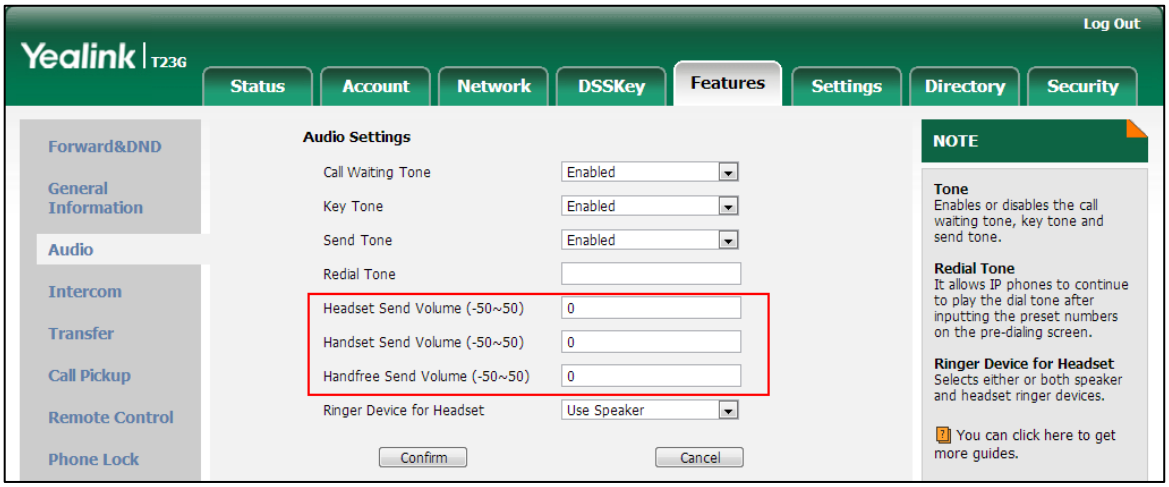
   voice.handfree_send =

   voice.handset_send =

   voice.headset_send =

   To set this feature via web user interface:

Click on Features->Audio

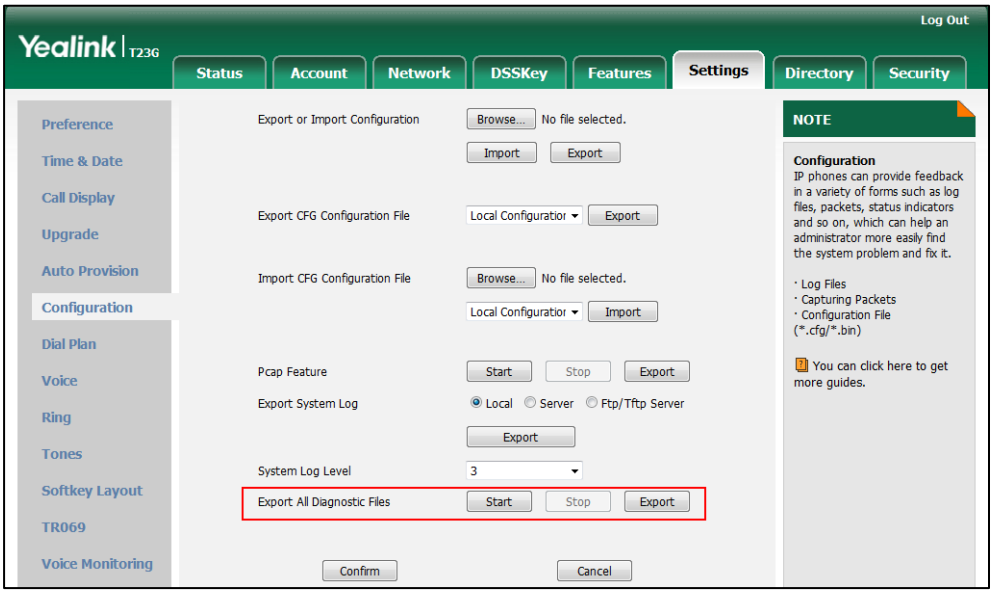


2. **Added the feature that all the diagnostic files can be exported at a time.**

   Description: Yealink IP phones support three types of diagnostic files (including Pcap trace, log files and BIN configuration files) to help analyze your problem. You can export these files at a time to ensure that you can export all the diagnostic files and troubleshoot if necessary. The file format of exported diagnostic file is *.tar.

   To set this feature via web user interface:

   Click on Settings-> Configuration-> Export All Diagnostic Files



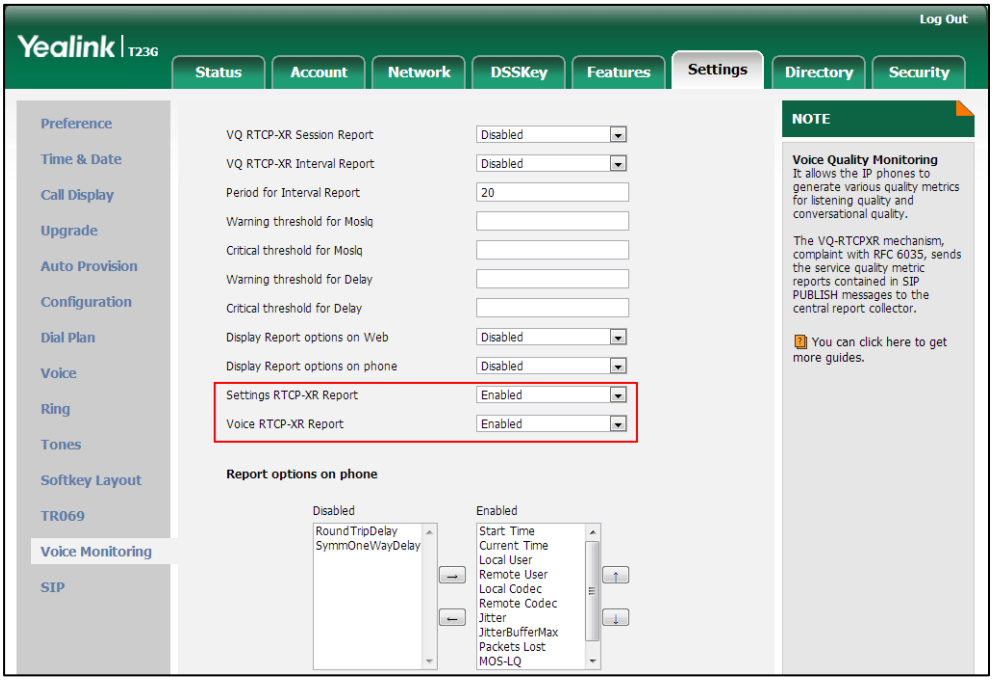
6. Optimization Descriptions

1. **Optimized the feature that RTCP-XR can be configured via web user interface.**

Description: The RTCP-XR mechanism provides the metrics contained in RTCP-XR packets for monitoring the quality of calls. These metrics include network packet loss, delay metrics, analog metrics and voice quality metrics.

To set this feature via web user interface:

Click on Settings->Voice Monitoring

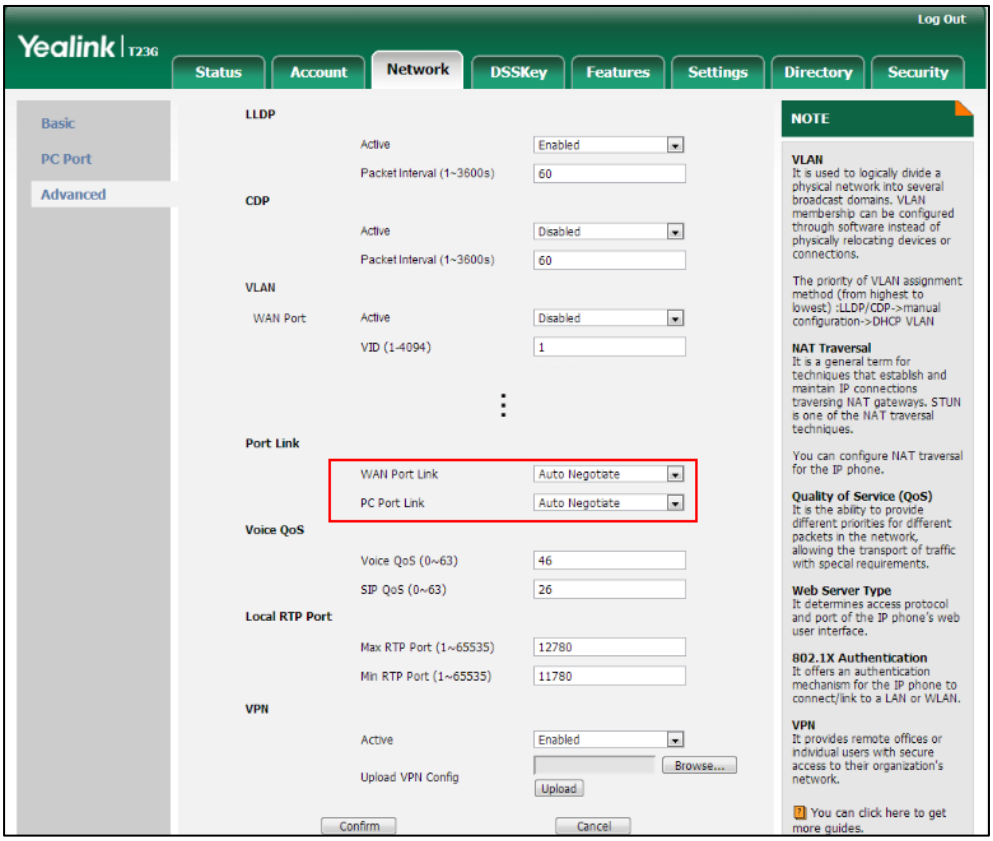


2. **Added the configuration parameter of Full Duplex 1000Mbps on T23G/ T29G/ T42G/ T46G/ T48G IP phone.**

Description: Full-duplex transmission refers to transmitting voice or data in both directions at the same time; this means one device can send data on the line while receiving data. You can configure the full-duplex transmission on both Internet port and PC port for the IP phone to transmit in 10Mbps, 100Mbps or 1000Mbps (1000Mbps is only applicable to SIP VP-T49G/ SIP-T48G/ T46G/ T42G/ T29G/ T23G IP phones).

To set this feature via web user interface:

Click on Network-> Advanced-> Port Link



7. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log							
Firmware Version： [x. 80.193.80]-[x.80.193.90]							
Feature	**Provisioning syntax Comparison**		**Permitted Values**	**Default Value**	**Action**	**Description**	**File**
	x.80.193.80	**x.80.193.90**					
Star2Star ACD		account.X.acd .call_information =	String	Blank	Add	It configures the string the phone dials out when the ACD agent logs into/logs out of the ACD system (you press the In/Out (LogIn/Out) soft key on the phone). The value format: Call Center Number<time interval>User ID<time interval>Password. Time interval ranges from 1 to 20 (in seconds).	mac.cfg

						For example : account.1.acd.call_information = 806<1>1005<2>1234 The IP phone will dial out the call center number 806, wait for 1s, automatically enter the user ID 1005, wait for 2s, and automatically enter the password 1234 when you press the In/Out (LogIn/Out) soft key on the phone. Note: It works only if the value of the parameter "account.X.sip_server_type" is set to 12 (Star2Star).	
Star2Star ACD		account.X.acd .refresh_url =	String	Blank	Add	It configures the URL the phone sends when the ACD agent logs into/logs out of the ACD system, or refreshes the status (you press the In/Out (LogIn/Out) or Refresh soft key on the phone). Note: It works only if the value of the parameter "account.X.sip_server_type" is set to 12 (Star2Star).	mac.cfg
Star2Star ACD		account.X.acd .away_url =	String	Blank	Add	It configures the URL the phone sends when the ACD agent changes the status to away (you press the Away soft key on the phone). For example : account.1.acd.away_url= http://portal-dev.star2star.com:8181/yealink/reason_code_response?reason_code=#REASONCODE&agent_extension=ext_84385&agent_location=starbox_628&agent_phone=	mac.cfg

						94&customer_id=435s #REASONCODE will be automatically replaced with the away code you entered when the URL is sent to the server. Note: It works only if the value of the parameter "account.X.sip_server_type" is set to 12 (Star2Star) and "account.X.acd.unavailable_reason_enable" is set to 1 (Enabled).	
Star2Star ACD		account.X.acd.available_url =	String	Blank	Add	It configures the URL the phone sends when the ACD agent changes the status to available (you press the Avail soft key on the phone). Note: It works only if the value of the parameter "account.X.sip_server_type" is set to 12 (Star2Star).	mac.cfg
Volume		voice.handfree_send =	Integer from -50 to 50	0	Add	It configures the sending volume of the speaker. Note: We recommend that you modify this parameter cautiously. An unreasonable value may render the voice quality bad.	common.cfg
Volume		voice.handset_send =	Integer from -50 to 50	0	Add	It configures the sending volume of the handset. Note: We recommend that you modify this parameter cautiously. An unreasonable value may render the voice quality bad.	common.cfg
Volume		voice.headset_send =	Integer from -50 to 50	0	Add	It configures the sending volume of the headset. Note: We recommend that you modify this parameter cautiously. An unreasonable	common.cfg

						value may render the voice quality bad.	
BLA/SCA		account.X.bla.notify_with_expire.enable =	0 or 1	0	Add	It enables or disables the IP phone to add the Expires attribute to the Subscription- State header of the BLA NOTIFY message for account X. 0-Disabled 1-Enabled Note: It works only if the value of the parameter "account.X.shared_line" is set to 3 (Draft BLA). For teltronnic BLA, you need to set the value of this parameter to 0 (Disabled).	mac.cfg
BLA/SCA		account.X.bla.subscribe_uri_build_type =	0 or 1	0	Add	It configures the constitution of the URI for BLA subscription. 0-From Contact header in the SUBSCRIBE message sent by the server 1-According to the BLA number (configured by the parameter "account.X.bla_number") Note: It works only if the value of the parameter "account.X.shared_line" is set to 3 (Draft BLA). For teltronnic BLA, you need to set the value of this parameter to 1 (Enabled).	mac.cfg
Register Advanced		account.x.instance_id.enable =	0 or 1	0	Add	It enables or disables the IP phone to add +sip.instance attribute to the Contact header of the REGISTER message for account X. 0-Disabled 1-Enabled	mac.cfg

Register Advanced	account.X.sip_server_type	account.X.sip_server_type	0, 2, 8, 10 or 12	0	Change	It configures the type of the SIP server for account X. 0-Default 2-BroadSoft (It works only if the value of the parameter "bw.enable" is set to 1(Enabled)) 8-Genesys 10-Genesys Advanced 12-Star2Star	mac.cfg

8. Default Value Setting Changes

Default Value Factory Setting Change Log			
Features	**Description**	**Default Value of Factory Setting**	
		x. 80.193.80	**x.80.193.90**
Dialplan	It configures the delay time (in seconds) for the dial-now rule. When entered numbers match the predefined dial-now rule, the IP phone will automatically dial out the entered number after the designated delay time. If it is set to 0, the IP phone will automatically dial out the entered number immediately.	account.X.transfer_refer_to_contact_header.enable=?1	account.X.transfer_refer_to_contact_header.enable=?0

Yealink SIP IP Phone Release Notes of Version x.80.193.80

1. Introduction

- Firmware Version:

  T19-E2: 53.80.193.70 upgrades to 53.80.193.80

  T21-E2: 52.80.193.70 upgrades to 52.80.193.80

  T23: 44.80.193.75 upgrades to 44.80.193.80

  T40: 54.80.193.70 upgrades to 54.80.193.80

  T27: 45.80.193.70 upgrades to 45.80.193.80

  T29: 46.80.193.70 upgrades to 46.80.193.80

  T46: 28.80.193.70 upgrades to 28.80.193.80

  T48: 35.80.193.70 upgrades to 35.80.193.80

- Applicable Models: T19-E2, T21-E2, T23, T40, T27, T29, T46, T48
- Release Date: Nov. 10th, 2015.

2. New Features

1. Added the feature of Wi-Fi for T48 only. (Yealink Wi-Fi USB Dongle WF40 will be launched in the first quarter of 2016)
2. EXP20 is applicable to T27 and T29 IP phone.

3. Optimization

1. Optimized the feature of Bluetooth on T29/T46/T48 IP phone.
2. Optimized the compatibility of Ethernet port on T19-E2/ T21-E2/ T23/ T40 IP phone.

4. Bug Fixes

1. Fixed the issue that the network calllog cannot display normally when press softkey1 of history.

2. Fixed the probabilistic issue that it is unable to log in normally in web page.

5. New Features Descriptions

1. **Added the feature of Wi-Fi for T48 only. (Yealink Wi-Fi USB Dongle WF40 will be launched in the first quarter of 2016)**

   Description: Wi-Fi feature enables users to connect their phones to the organization's wireless network. When the Wi-Fi feature is enabled, the IP phone will automatically scan the available wireless networks. To use this feature, make sure the Wi-Fi USB dongle is properly connected to the USB port on the back of the phone.

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

   wifi.enable =

   wifi.X.label =

   wifi.X.ssid =

   wifi.X.security_mode =

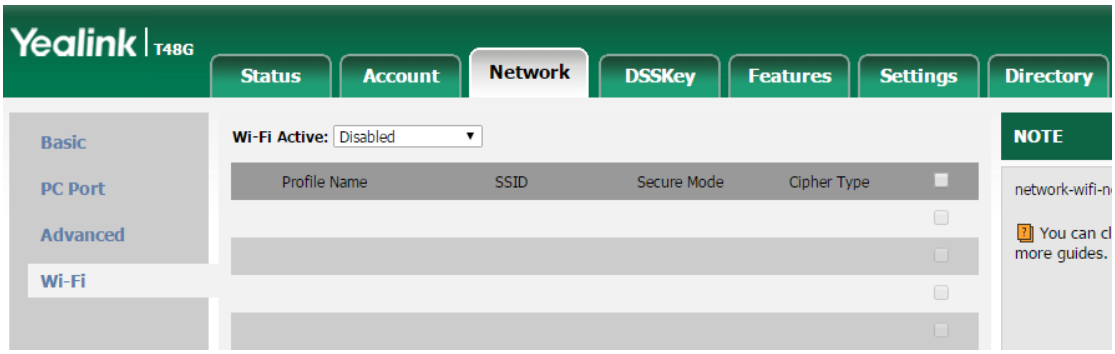
   wifi.X.cipher_type =

   wifi.X.password =

   wifi.X.priority =

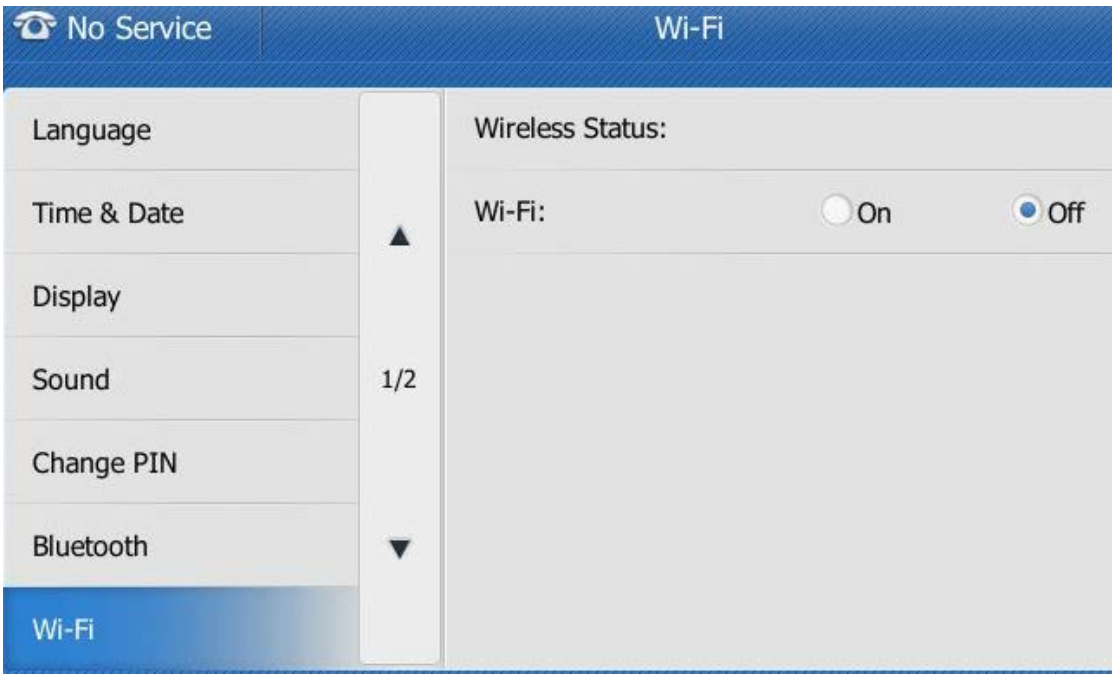
   To set this feature via web user interface:

   Click on Network->Wi-Fi



   To set this feature via phone user interface:

   Menu->Basic->Wi-Fi



3. **EXP20 is applicable to T27 and T29 IP phone.**

   Description: The EXT port on SIP-T29G/T27P IP phones can be used to connect the expansion module EXP20. All the features on EXP20 are same as EXP39.

6. Optimization Descriptions

1. **Optimized the feature of Bluetooth on T29/T46/T48 IP phone.**

   Description: Optimized the feature of Bluetooth in compatibility, connection & disconnection, searching & pairing, etc. User can activate/deactivate the Bluetooth mode and then pair and connect the Bluetooth headset with your phone. To use this feature, make sure the Bluetooth USB dongle is properly connected to the USB port on the back of the phone.

   1) Compatibility: In the newly version, add the compatibility of Bluetooth with Sennheiser headset and optimized the compatibility with Jabar, Plantronics, etc.

   2) Stability: In the newly version, optimized the issue of pull-and-plug dongle, the probabilistic issues of disconnection, system halted and cannot being searched, as well as the stability of Bluetooth call.

   3) User experience: First, Bluetooth enables low-bandwidth wireless connections within a range of 10 meters (32 feet). If you are out of the

connection range, once returned back, the Bluetooth will connect automatically. Second, optimized the Bluetooth connection speed and searching & pairing speed. Moreover, for the connected devices, it can be paired and connected automatically after plugging in Dongle again.

7. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log							
Firmware Version：[x. 80.193.70]-[x.80.193.80]							
Feature	**Provisioning syntax Comparison**		**Permitted Values**	**Default Value**	**Action**	**Description**	**File**
	x.80.0.70	**x.80.0.80**					
Features_ Wi-Fi		wifi.enable =	0 or 1	0	Add	It enables or disables Wi-Fi feature. 0-Disabled 1-Enabled	common. cfg
Features_ Wi-Fi		wifi.X.label =	String within 31 characters	Blank	Add	It configures the profile name of the wireless network X for the IP phone. Note: It works only if the value of the parameter “wifi.enable” is set to 1 (Enabled).	common. cfg
Features_ Wi-Fi		wifi.X.ssid =	String within 32 characters	Blank	Add	It configures the Service Set Identifier (SSID) of the wireless network X. SSID is a unique identifier for accessing wireless access points. Note: It works only if the value of the parameter “wifi.enable” is set to 1 (Enabled).	common. cfg
Features_ Wi-Fi		wifi.X.security_mode =	NONE, WEP, WPA-PSK or WPA2-PSK	NONE	Add	It configures the security mode of the wireless network X. Note: It works only if the value of the parameter	common. cfg

						"wifi.enable" is set to 1 (Enabled).	
Features_ Wi-Fi		wifi.X.cipher_ type =	NONE, WEP, TKIP, CCMP or TKIP CCMP	NONE	Add	It configures the encryption type of the wireless network X. NONE-NONE WEP-WEP TPIK-TPIK CCMP-AES TKIP CCMP-TKIP AES Note: It works only if the value of the parameter "wifi.enable" is set to 1 (Enabled) and "wifi.X.security_mode" is set to WPA-PSK or WPA2-PSK.	common. cfg
Features_ Wi-Fi		wifi.X.passwo rd =	String within 64 characters	Blank	Add	It configures the password of the wireless network X. Note: It works only if the value of the parameter "wifi.enable" is set to 1 (Enabled) and "wifi.X.security_mode" is set to WEP, WPA-PSK or WPA2-PSK.	common. cfg
Features_ Wi-Fi		wifi.X.priority =	Integer from 1 to 5	1	Add	It configures the priority for the wireless network X for the IP phone. 5 is the highest priority, 1 is the lowest priority. Note: It works only if the value of the parameter "wifi.enable" is set to 1 (Enabled).	common. cfg
Features_ Bluetooth		features.blue tooth_adapte r_name=	**For SIP-T48G IP phones:** The default value is **Yealink-T48G. For SIP-T46G IP phones:** The default	**For SIP-T48G IP phones:** The default value is Yealink-T	Add	It configures the Bluetooth device name. Note: It works only if the value of the parameter "features.bluetooth_enable " is set to 1 (On).	common. cfg

			value is **Yealink-T46G. For SIP-T29G IP phones:** The default value is Yealink-T29G.	48G. **For SIP-T46G IP phones:** The default value is Yealink-T 46G. **For SIP-T29G IP phones:** The default value is Yealink-T 29G.			

8. Default Value Setting Changes

Default Value Factory Setting Change Log			
Features	**Description**	**Default Value of Factory Setting**	
		x. 80.0.70	**x.80.0.80**
Account Transfer	It enables or disables the Refer -To header to use the information of the Contact header in the second 200 OK message when attended transfer. 0-Disabled 1-Enabled	account.X.transfer_refer_to_contact_header.enable=?1	account.X.transfer_refer_to_contact_header.enable=?0

Yealink SIP IP Phones Release Notes of Version x.80.193.70

1. Introduction

- Firmware Version:

  T21P-E2: 52.80.193.60 upgrades to 52.80.193.70.

  T23G/P: 44.80.193.60 upgrades to 44.80.193.70.

  T27P: 45.80.193.60 upgrades to 45.80.193.70.

  T29G: 46.80.193.60 upgrades to 46.80.193.70.

  T41P: 36.73.193.60 upgrades to 36.80.193.70.

  T42G: 29.73.193.60 upgrades to 29.80.193.70.

  T46G: 28.73.193.60 upgrades to 28.80.193.70.

  T48G: 35.73.193.60 upgrades to 35.80.193.70.
- Applicable Models: SIP-T21P-E2/T23(G/P)/T27P/T29G/T41P/T42G/T46G/T48G
- Release Date: Aug 8th, 2015.

2. New Features

3. Optimization

1. Optimized the permitted values and default values of the sending volume in the newly version of 80.

4. Bug Fixes

1. Fixed the issue that the https may cause failure to update with the 3CX server.
2. Fixed the issue that the phone cannot be blind transferred.
3. Fixed the issue that the user couldn't hear any audio with T4 series phones when the firmware was upgraded to the newly version of 80.

Yealink SIP IP Phones Release Notes of Version x.80.193.60

1. Introduction

- Firmware Version:

  T21P-E2: 52.80.193.3 upgrades to 52.80.193.60.

  T23G/P: 44.80.193.25 upgrades to 44.80.193.60.

  T27P: 45.80.193.25 upgrades to 45.80.193.60.

  T29G: 46.80.193.25 upgrades to 46.80.193.60.

  T41P: 36.73.193.50 upgrades to 36.80.193.60.

  T42G: 29.73.193.50upgrades to 29.80.193.60.

  T46G: 28.73.193.50 upgrades to 28.80.193.60

  T48G: 35.73.193.50upgrades to 35.80.193.60.
- Applicable Models: SIP-T21P-E2/T23(G/P)/T27P/T29G/T41P/T42G/T46G/T48G
- Release Date: July 5th, 2015.

2. New Features

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

3. Optimization

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

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

4. Bug Fixes

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

5. New Features Descriptions

1. **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:

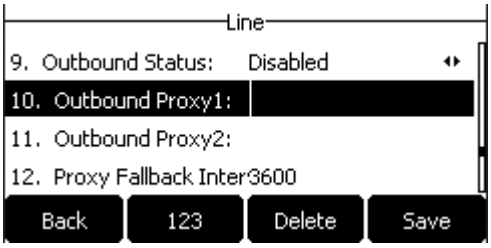
   account.X.backup_outbound_host =

   account.X.backup_outbound_port =

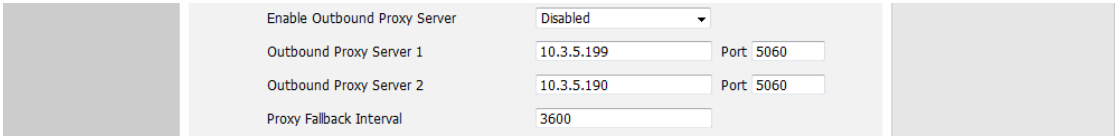
account.X.outbound_proxy_fallback_interval =

To set this feature via phone user interface:

Menu→Setting→Advanced Settings→Accounts



To set this feature via web user interface:



2. **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 =

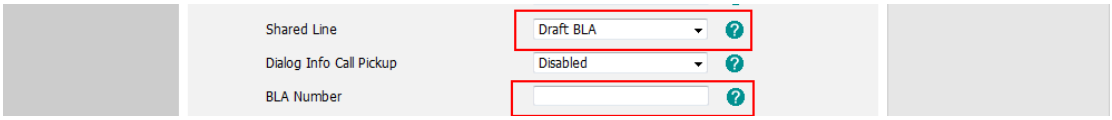
action_url.remote_busy =

action_url.call_remote_canceled =

3. **Added the feature of Draft BLA.**

To set Draft BLA via web user interface:

Account→Advanced



4. **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 =

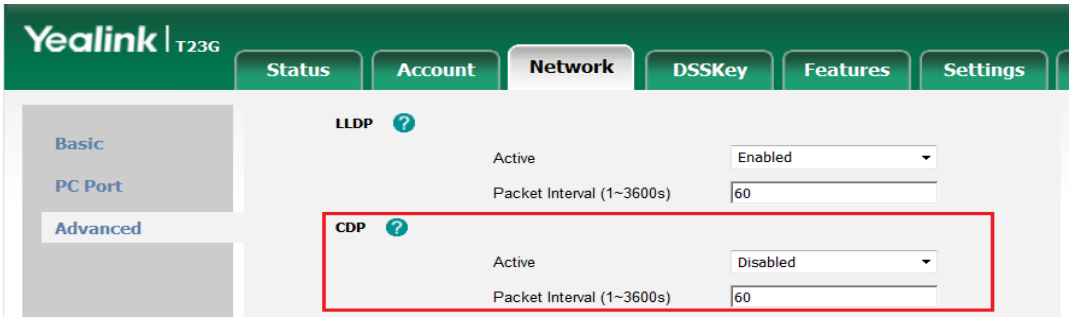
##Enables or disables the CDP (Cisco Discovery Protocol) feature on the IP phone.

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:

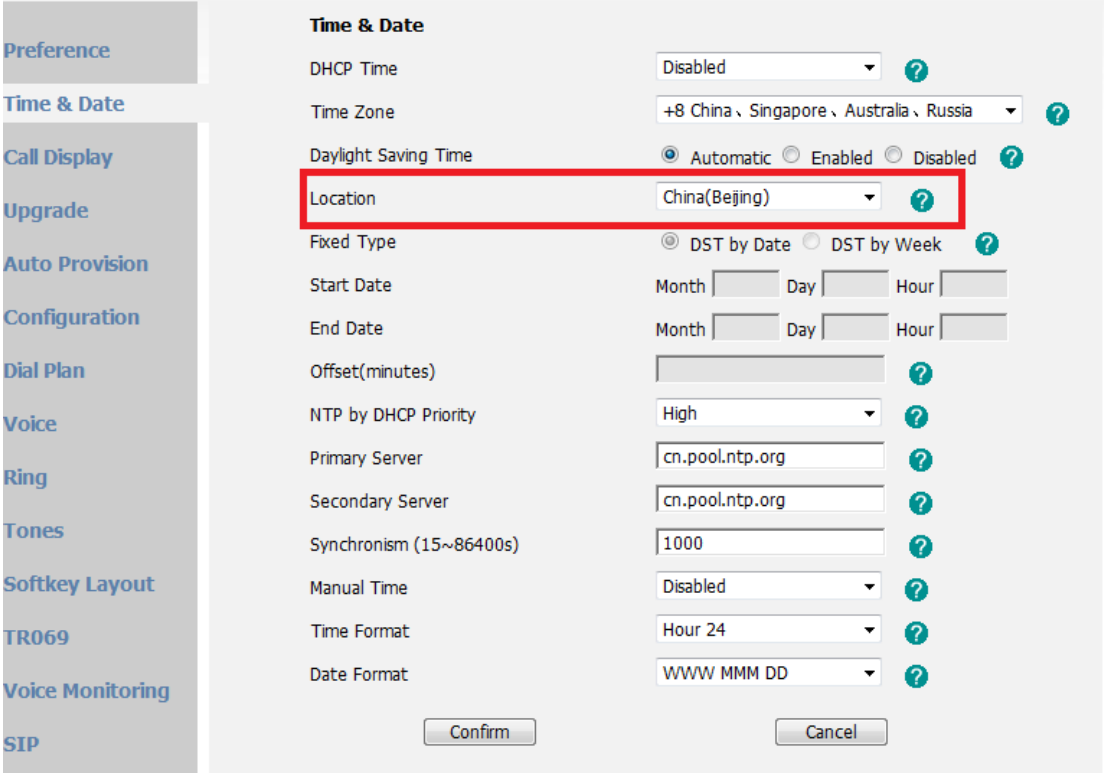
To set this feature via web user interface:



5. **Added the feature of Location in TimeZone module.**

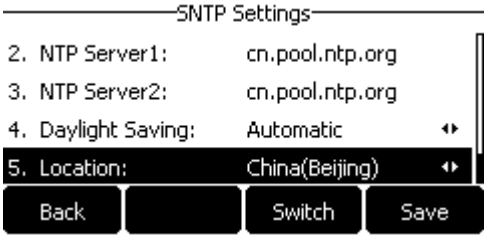
To set the location via web user interface:

Settings->Time & Date



To set this feature via phone user interface:

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



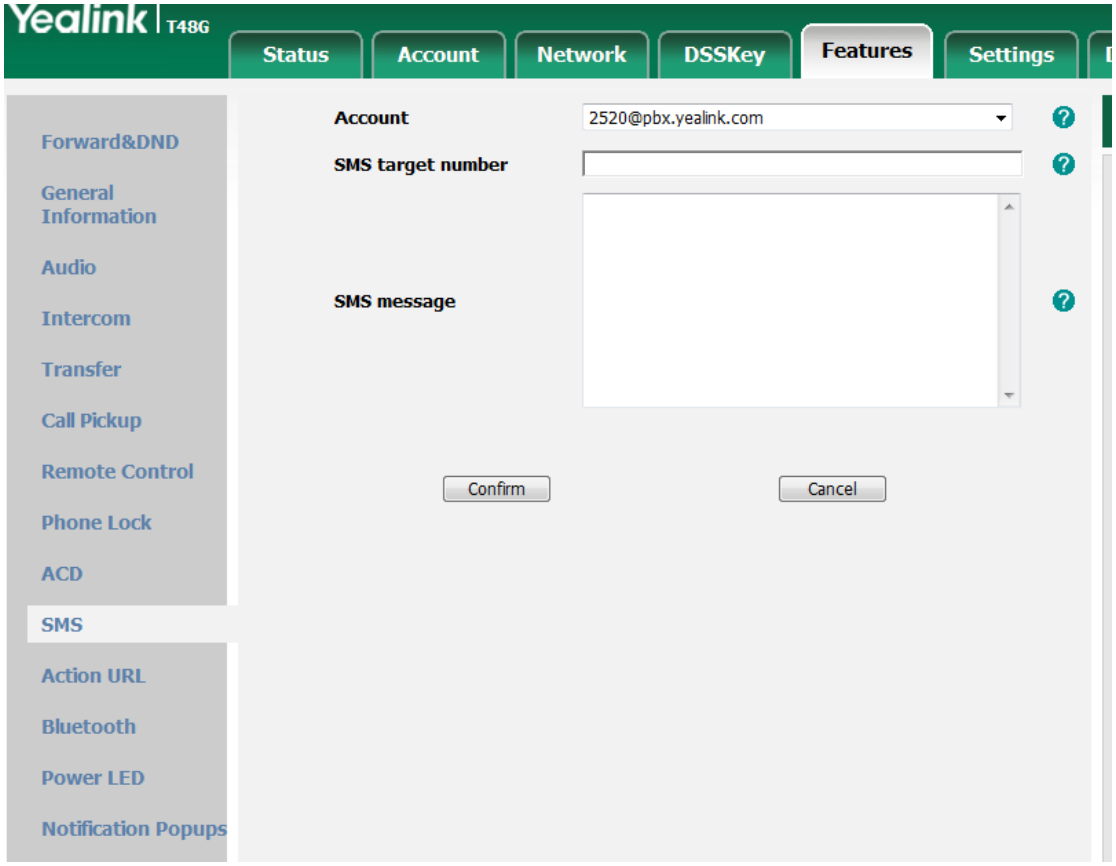
The parameter in the auto provision template is described as follows:

local_time.time_zone_name =

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

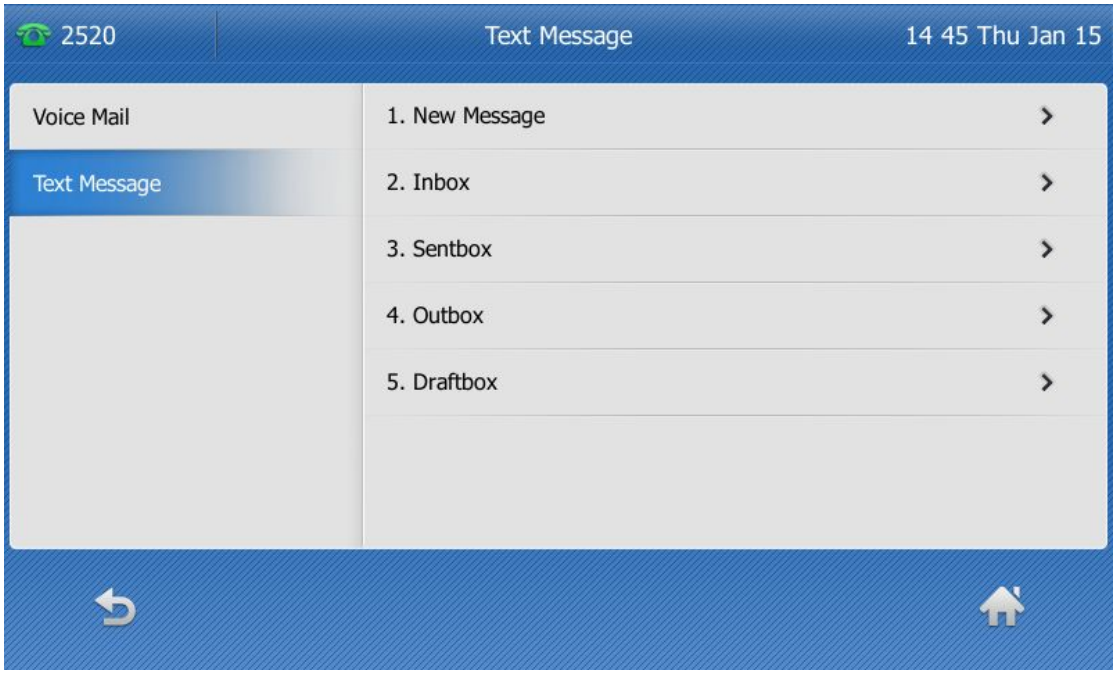
To set the SMS via web user interface:

Features->SMS



To set this feature via phone user interface:

Menu->Message->Text Message



6. Optimization Descriptions

1. Optimized the feature of RTCP-XR.

2. **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*

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

4. **Optimized the feature of Remote Phonebook.**

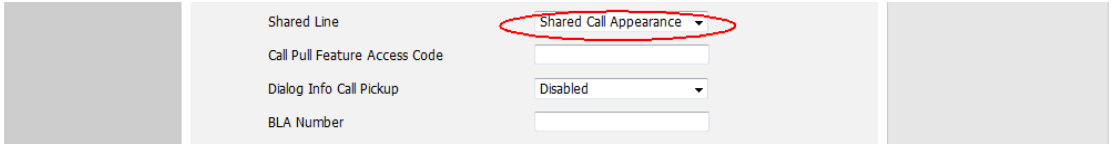
   Description: Unified the handling mechanism on all SIP phones, the searching user interface was now matched the #SEARCH character.

5. **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



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

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

8. **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*

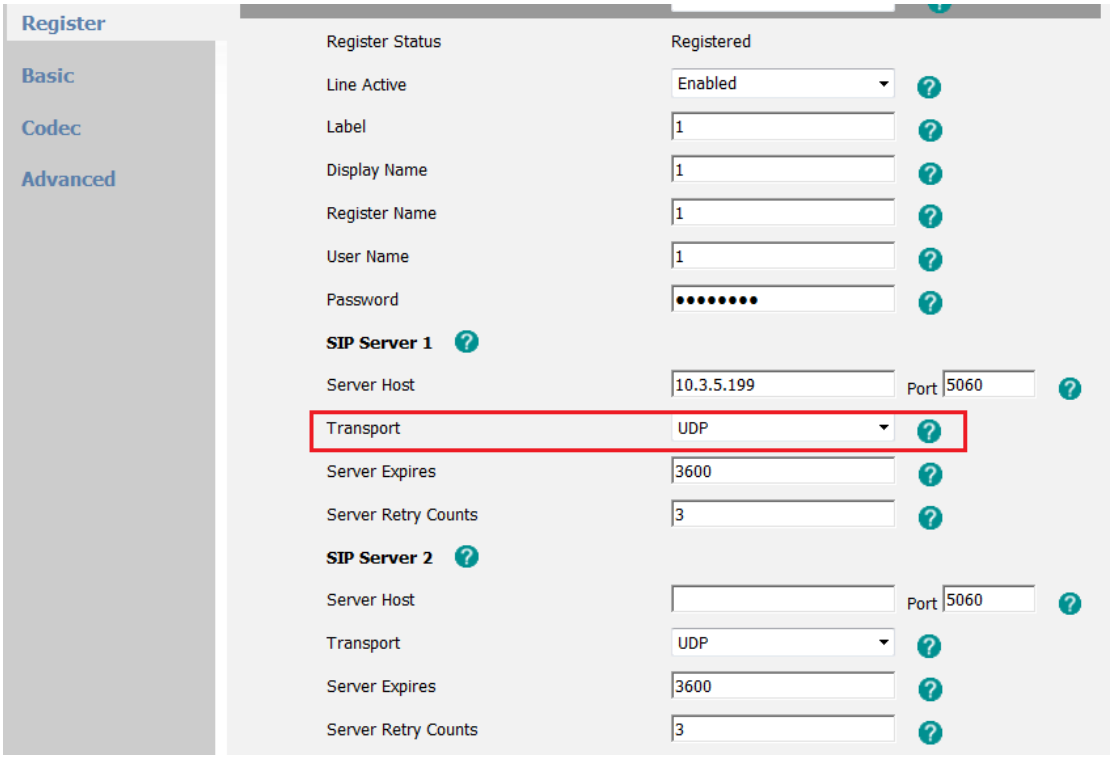
9. **Optimized the configuration path on the web user interface.**

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:

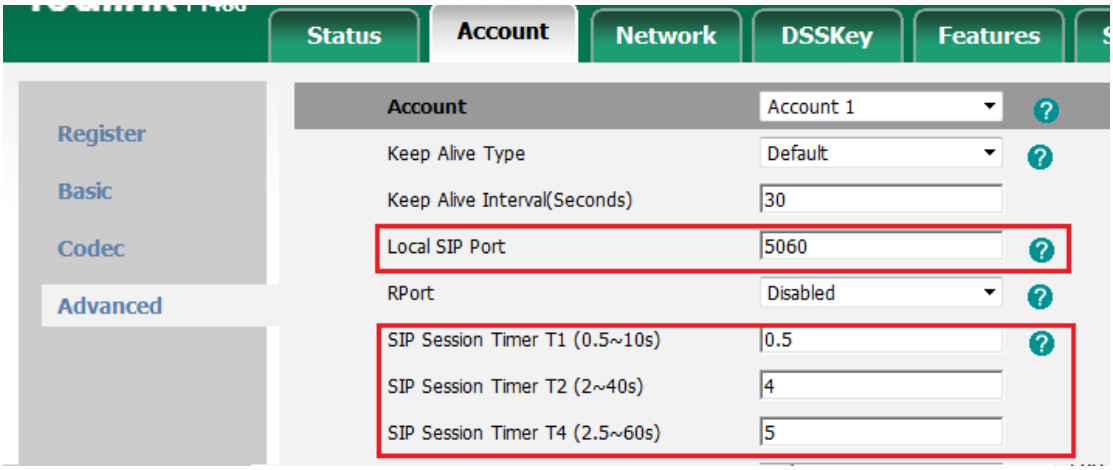
account.X.sip_server.Y.transport_type =

To set this feature via web user interface:

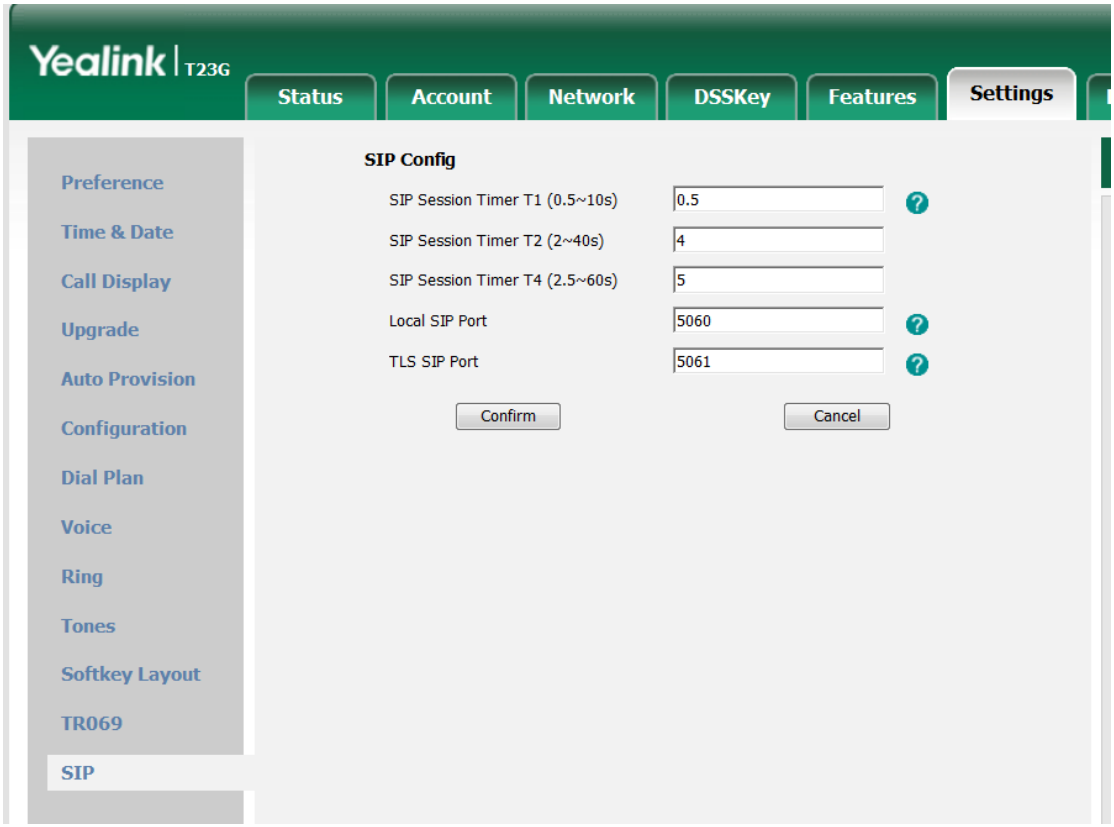


The old configuration parameters of Local SIP Port and SIP Session Timer in the advanced account web page were now moved to the page of Setting-SIP.

The old page in the version of 73:



The new page in the version of 80:



10. 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. Default Value Setting Changes

Auto Provision Template Flies Change Log						
Firmware Version： [x.73.193.x]-[x.80.193.x]						
Feature	**Provisioning syntax Comparison**		**Default Values**	**Action**	**Description**	**File**
	V80	**V73**				
local_time	local_time.offset_time =?60	local_time.offset_time =?	Integer from -300 to 300	Modified	It configures the offset time (in minutes) of DST. Note: It works only if the value of the parameter “local_time.summer_time” is set to 1 (Enabled).	Mac.cfg

network	network.port.max_rtpport = 12780	network.port.max_rtpport = 11800	Integer from 1 to 65535	Modified	It configures the maximum local RTP port. Note: The value of the maximum local RTP port cannot be less than that of the minimum local RTP port.	Common.cfg
zero_touch	zero_touch.network_fail_wait_times =?8	zero_touch.network_fail_wait_times =?5	Integer greater than 1	Modified	It configures the reconnection times when zero touch module fails to obtain network parameters.	Common.cfg
account	account.X.dtmf.info_type =0	account.X.dtmf.info_type =1	1, 2 or 3	Modified	It configures the DTMF info type for account X. 1-DTMF-Relay 2-DTMF 3-Telephone-Event Note: It works only if the value of parameter "account.X.dtmf.type" is set to 2 (SIP INFO) or 3 (RFC2833 + SIP INFO).	Mac.cfg
phone_setting	phone_setting.logon_wizard_forever_wait =?0	phone_setting.logon_wizard_forever_wait =?1	0 or 1	Modified	It enables or disables the IP phone to remain at the hot desking logon wizard even though timeout. 0-Disabled 1-Enabled	Common.cfg
features	features.dtmf.duration =?110	features.dtmf.duration =70	Integer from 0 to 300	Modified	It configures the duration time (in milliseconds) for DTMF.	Common.cfg
voice	voice.side_tone=?-25	voice.side_tone=-15	-25	Modified	It configures the volume of the side tone.	Common.cfg

account	account.X.codec.1.priority =?2	account.X.codec.1.priority = ?1	When Y=6, the default value is 0; When Y=7, the default value is 0; When Y=8, the default value is 0; When Y=9, the default value is 0. For T48G/T46G/ T42G/T41P/ T29G: When Y=1, the default value is 2; When Y=2, the default value is 3; When Y=3, the default value is 0; When Y=4, the default value is 0; When Y=5, the default value is 4; When Y=6, the default value is 1; When Y=7, the default value is 0; When Y=8, the default value is 0; When Y=9, the default value is 0;	Modified	It configures the priority of the enabled codec for account X. Example: account.1.codec.1.priority = 2	Mac.cfg

			When Y=10, the default value is 0; When Y=11, the default value is 0;			
account	account.X.codec.4.priority = ?1	account.X.codec.6.priority = ?4	When Y=6, the default value is 0; When Y=7, the default value is 0; When Y=8, the default value is 0; When Y=9, the default value is 0. For T48G/T46G/T42G/T41P/T29G: When Y=1, the default value is 2; When Y=2, the default value is 3; When Y=3, the default value is 0; When Y=4, the default value is 0; When Y=5, the default value is 4; When Y=6, the default value is 1; When Y=7, the default value is 0;	Modified	It configures the priority of the enabled codec for account X. Example: account.1.codec.1.priority = 2	Mac.cfg

			When Y=8, the default value is 0; When Y=9, the default value is 0; When Y=10, the default value is 0; When Y=11, the default value is 0;			
account	account.X.codec.8.rtpmap =?102	account.X.codec.8.rtpmap = ?2	When Y=9, the default value is 105. ForT48G/T46G/T42G/T41P/T29G: When Y=1, the default value is 0; When Y=2, the default value is 8; When Y=3, the default value is 4; When Y=4, the default value is 4; When Y=5, the default value is 18; When Y=6, the default value is 9; When Y=7, the default value is 106; When Y=8, the default value is 103; When Y=9,	Modified	It configures the rtpmap of the audio codec for account X. Example: account.1.codec.1.rtpmap = 0	Mac.cfg

			the default value is 104; When Y=10, the default value is 102; When Y=11, the default value is 105;			

8. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log						
Firmware Version： [x.73.193.x]-[x.80.193.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. It takes effect after a reboot.	common.cfg
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).	common.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.	common.cfg

					Note: It works only if the value of the parameter —syslog.mode‖ is set to 2 (FTP/TFTP Server).	
syslog	syslog.ftp.append_limit_mode =	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.	common.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.	common.cfg
syslog	syslog.mode	syslog.mode	0, 1 or 2	Change	It configures the IP phone to 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.	common.cfg
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.	mac.cfg

					The default value is 0.	
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. It takes effect after a reboot. Note: It works only if the value of the parameter network.cdp.enable ‖ is set to 1 (Enabled).	common.cfg
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	common.cfg

					receiving an incoming call. 0-Disabled 1-Enabled The default value is 0.	
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 —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.enable =	none	0 or 1	Add	It enables or disables STUN feature on the IP phone. 0-Disabled 1-Enabled The default value is 0.	common.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
sip	sip.timer_t1 =	account.X.advanced.timer_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.cfg/ common.cfg
sip	sip.timer_t2 =	account.X.advanced.time	Float from 2 to	Change	It configures the SIP session timer T2 (in	mac.cfg/

		r_t2 =	40s		seconds). T2 represents the maximum retransmit interval for non-INVITE requests and INVITE responses. The default value is 4.	common.cfg
sip	sip.timer_t4 =	account.X.advanced.timer_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.cfg/ common.cfg
sip	sip.listen_port =	account.X.sip_listen_port	Integer from 1024 to 65535	Change	It configures the local SIP port. The default value is 5060.	mac.cfg/ common.cfg
sip	sip.nat_stun.server =	account.X.nat.stun_server	IP address or domain name	Change	It configures the IP address or domain name of the STUN server. The default value is blank.	mac.cfg/ common.cfg
sip	sip.nat_stun.port =	account.X.nat.stun_port =	Integer from 1024 to 65000	Change	It configures the port of the STUN server. The default value is 3478.	mac.cfg/ common.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 ‖	mac.cfg/ common.cfg

					is set to 0 (Disabled).	
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 Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_srv.1.port =	account.X.dns_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.cfg/ common.cfg
dns	dns_cache_srv.1.priority =	account.X.dns_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.cfg/ common.cfg
dns	dns_cache_srv.1.target =	account.X.dns_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.cfg/ common.cfg
dns	dns_cache_srv	account.X.dn	Integer from	Change	It configures the weight of the	mac.cf

	.1.weight =	s_cache_srv.Y.weight =	0 to 65535		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.	g/common.cfg
dns	dns_cache_srv.1.ttl =	account.X.dns_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. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/common.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 —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_na	account.X.dn	Integer from	Change	It configures the preference of	mac.cf

	ptr.1.preference =	s_cache_naptr.Y.preference =	0 to 65535		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.	g/common.cfg
dns	dns_cache_naptr.1.replace =	account.X.dns_cache_naptr.Y.replace =	Domain name	Change	It configures a domain name to 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.	mac.cfg/common.cfg
dns	dns_cache_naptr.1.service =	account.X.dns_cache_naptr.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.cfg/common.cfg
dns	dns_cache_naptr.1.ttl =	account.X.dns_cache_naptr.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.cfg/common.cfg
voice	voice.rtcp_xr.enable =	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.	common.cfg
Feature	custom.features.redial_via_local_sip_server.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.	common.cfg
zero	zero_touch.network_fail_wait_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.	common.cfg

zero	zero_touch.network_fail_delay_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 parameters. The default value is 1000.	common.cfg
features	features.ldap.input_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.	common.cfg
features	features.call_invite_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.	common.cfg
features	action_url.show_msgbox =	none		Add		common.cfg
phone_setting	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.	common.cfg
features	features.transfer_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)	common.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.	common.cfg
phone_setting	phone_setting.unregister_ac	none	0 or 1	Add	It enables or disables the phone to forbid the calling function	common.cfg

	count_block_out.enable=				without an account. 0-Disabled 1-Enabled The default value is 0.	
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
Action		action_url.show_msgbox =	0 or 1	Del		common.cfg
voice		voice.handfree.spk_vol =	8	Del		common.cfg
voice		voice.handfree.tone_vol =	8	Del		common.cfg

voice		voice.handset.spk_vol =	8	Del		common.cfg
voice		voice.handset.tone_vol =	8	Del		common.cfg
voice		voice.headset.spk_vol =	8	Del		common.cfg
voice		voice.headset.tone_vol =	8	Del		common.cfg
voice		voice.ring_vol=	8	Del		common.cfg
voice		voice.group_spk_vol =	8	Del		common.cfg
network	network.attempt_expired_time =		Integer from 1 to 300	Add	It configures the time (in seconds) to wait after a file transfer fails before retrying the transfer for HTTP/HTTPS connection.	common.cfg
network	network.dhcp.server_mac1 =		MAC Address	Add	It configures the MAC address 1 that the IP phone use to authenticate the DHCP server. If the authentication is successful, the phone will use the IP address offered by this server. Example: network.dhcp.server_mac1= 64:70:02:9E:D6:92 Note: It has a higher priority than the value defined by the paramter "network.dhcp.server_mac2".	common.cfg
network	network.dhcp.server_mac2 =		MAC Address	Add	It configures the MAC address 2 that the IP phone use to authenticate the DHCP server. If the authentication is successful, the phone will use the IP address offered by this server. Example: network.dhcp.server_mac2= 64:70:02:9E:D6:92 Note: If both the MAC address1 and MAC address 2 fail to authenticate, the phone use	common.cfg
features	features.input.		0 or 1	Add	It enables or disables the phone	comm

	hebrew_enable =				to display the Hebrew input method. 0-Disabled 1-Enabled	on.cfg
features	features.redial_via_local_sip_server.enable =		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	common.cfg
action uri	features.action_uri_force_autop =		0 or 1	Add	It enables or disables the IP phone to be forced to end the call for triggering auto provisioning immediately when receiving an HTTP or HTTPS GET request with variable value set to AutoP during a call. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the IP phone will trigger auto provision after the call.	common.cfg
features	features.call_out_history_by_off_hook.enable =		0 or 1	Add	It enables or disables the IP phone to dial out automatically once you go off hook or press the speakerphone key in the call history list. 0-Disabled 1-Enabled	common.cfg
blf	features.blf_call_out_by_number.enable =		0 or 1	Add	It enables or disables the IP phone to dial out the monitored phone number only when you press the BLF key on the idle screen of the phone. 0-Disabled 1-Enabled For example: To use this feature, you need to configure a BLF key with the value set to sip:101@10.3.5.199. If it is set to 0 (Disable), the IP phone will dial out	common.cfg
history	features.save_init_num_to_		0 or 1	Add	It enables or disables the IP phone to log the	common.cfg

	history.enable =				transfer/forward party's phone number in the call history list. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the IP phone will log the transfer-to/forward-to party's phone number in the call history list.	
action uri	features.action_uri.enable =		0 or 1	Add	It enables or disables the IP phone to receive the action URI requests. 0-Disabled 1-Enabled	common.cfg
features	features.headset_play_phone_ringtone.enable =		0 or 1	Add	It enables or disables the phone to play a ring tone through the wireless headset. 0-Disabled 1-Enabled	common.cfg
forward	features.forward.emergency.enable =		0 or 1	Add	It enables or disables the incoming calls from some authorized numbers not to be forwarded when the call forward feature is enabled. 0-Disabled 1-Enabled	common.cfg
forward	features.forward.emergency.authorized_number =		String within 511 characters	Add	It configures the authorized numbers not to be forwarded even if call forward feature is enabled. Multiple numbers are separated by commas. Example: features.forward.emergency.authorized_number = 123,124 Note: It works only if the value of the parameter “	common.cfg
features	features.auto_answer_tone.enable =		0 or 1	Add	It enables or disables the phone to play a warning tone when an incoming call is automatically answered. 0-Disabled 1-Enabled Note: For the call coming from	common.cfg

					a SIP account, it works only if the value of the parameter "account.X.auto_answer" is set to 1 (Enabled). It is also applicable to IP calls.	
features	features.ip_call_auto_answer.enable =		0 or 1	Add	It enables or disables the auto answer feature for IP call. 0-Disabled 1-Enabled If it is set to 1 (Enabled), the IP phone can automatically answer IP call. Note: It works only if the value of the parameter "features.direct_ip_call_enable" is set to 1 (Enabled). The IP phone cannot automatically answer the incoming IP call during a call even if IP call auto answer is enabled.	common.cfg
features	custom.features.dnd_sync.enable =		0 or 1	Add	It enables or disables the DND for Fortinet. 0-Disabled 1-Enabled	common.cfg
features	default_input_method.xml_browser_input_screen =		Abc, 2aB, 123, abc or ABC	Add	It configures the default input method when the type for input box is set to “string” in the InputScreen object.	common.cfg
sip	account.X.callerid_in_support_header.enable =		0 or 1	Add	It enables or disables the support header to carry the callerid attribute. 0-Disabled 1-Enabled	mac.cfg
acd	account.X.acd.auto_login_enable =		0 or 1	Add	It enables or disables the IP phone to automatically log into the ACD system when account registers, phone reboots or network reconnects. 0-Disabled 1-Enabled Note: It works only if the ACD agent successfully logged into the system before and It is only applicable to Genesys ACD	mac.cfg

					feature.	
sip	account.X.outbound_proxy_fallback_interval =		Integer from 0 to 65535	Add	It configures the time interval (in seconds) for the IP phone to detect whether the working outbound proxy server is available by sending the registration request after the fallback server takes over call control. Note: It is only applicable to outbound proxy servers.	mac.cfg
sip	account.x.transfer_refer_to_contact_header.enable =		0 or 1	Add	It enables or disables the Refer-To header to use the information of the Contact header in the second 200 OK message when attended transfer. 0-Disabled 1-Enabled	mac.cfg
sip	account.x.sub_fail_retry_interval =		Integer from 0 to 3600	Add	It configures the interval (in seconds) for the IP phone to retry to re-subscribe when subscription fails for account X.	mac.cfg
sip	account.X.update_ack_while_dialing =		0 or 1	Add	It enables or disables the IP phone to update the display of call ID in the ACK message of a call. 0-Disabled 1-Enabled	mac.cfg
sip	account.x.end_call_when_transferred.enable =		0 or 1	Add	It enables or disables the call between the transferred party and transfer party to be directly released when call transfer is completed. 0-Disabled 1-Enabled If it is set to 0 (Disabled) , the call between the transferred party and transfer party is not released until the tranfer party ends the call.	mac.cfg
sip	account.x.nat.stun_refresh_timer =		Integer greater than	Add	It configures the interval (in seconds) to refresh the STUN request packet for the account	mac.cfg

					X. If it is set to 0, the IP phone will not refresh the STUN request packet. Note: It works only if the value of the parameter "account.X.nat.nat_traversal" are set to 1 (STUN).	
sip	account.x.contact_take_line_param =		0 or 1	Add	It enables or disables the IP phone to carry the line parameter in the Contact header of the request and response message. 0-Disabled 1-Enabled	mac.cfg
action url	action_url.headset =		URL within 511 characters	Add	It configures the action URL the IP phone sends when pressing the HEADSET key. Example: action_url.headset = http://192.168.0.20/help.xml?IP=$ip	common.cfg
action url	action_url.handfree		URL within 511 characters	Add	It configures the action URL the IP phone sends when pressing the Speakerphone key. Example: action_url.handfree = http://192.168.0.20/help.xml?IP=$ip	common.cfg
action url	action_url.cancel_callout =		URL within 511 characters	Add	It configures the action URL the IP phone sends when cancels the outgoing call in the ring-back state. Example: action_url.cancel_callout= http://192.168.0.20/help.xml?IP=$ip	common.cfg
action url	action_url.remote_busy =		URL within 511 characters	Add	It configures the action URL the IP phone sends when the outgoing call is rejected. Example: action_url.remote_busy = http://192.168.0.20/help.xml?IP=$ip	common.cfg
action url	action_url.call_remote_canc		URL within 511	Add	It configures the action URL the IP phone sends when the	common.cfg

	eled =		characters		remote party cancels the outgoing call in the ringing state. Example: action_url.call_remote_canceled= http://192.168.0.20/help.xml?IP=$ip	
action url	action_url.call_waiting_on =		URL within 511 characters	Add	It configures the action URL the IP phone sends when call waiting feature is enabled. Example: action_url.call_waiting_on = http://192.168.0.20/help.xml?IP=$ip	common.cfg
action url	action_url.call_waiting_off =		URL within 511 characters	Add	It configures the action URL the IP phone sends when call waiting feature is disabled. Example: action_url.call_waiting_off = http://192.168.0.20/help.xml?IP=$ip	common.cfg
sip	sip.terminate_notify_sub_delay_time =		Integer greater than 0	Add	It configures the interval (in seconds) for the IP phone to re-subscribe when it receives the NOTIFY message with the subscription state of Terminated. If it is set to 0, the phone will re-subscribe immediately when it receives the NOTIFY message with the subscription state of Terminated.	common.cfg
sip	sip.tcp_port_random_mode =		0 or 1	Add	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.	common.cfg
sip	sip.bind_local_addr_enable		0 or 1	Add	It enables or disables the IP phone to bind local address	common.cfg

	=				before sending packets. 0-Disabled 1-Enabled Note: It is only applicable to the IP phone to use IPv6 addr	
sip	sip.user_agent_prefix =			Add		common.cfg
genesys acd	genesys.acd.after_call_work_display.enable =		0 or 1	Add	It enables or disables the status of the ACD agent to be automatically changed to ACW (after call work) after the call. 0-Disabled 1-Enabled Note: ACW status depends on support from a Genesys server. Contact your server administrator for more information. If your server supports this status, make sure the parameter value is set to 1 (Enabled).	common.cfg
vpm	voice.side_tone =		Integer form -100 to 0	Add	It configures the volume of the side tone.	common.cfg
WebItems Level	security.default_access_level =		0, 1 or 2	Add	It configures the default access level to access the phone user interface. 0-user 1-var 2-admin Note: It works only if the value of the parameter "security.var_enable" is set to 1 (Enabled).	common.cfg
autop	auto_provision.attempt_expired_time =		Integer from 1 to 300	Add	It configures the time (in seconds) to wait after a file transfer fails before retrying the transfer via auto provisioning. Note: It has a higher priority than the value defined by the parameter "network.attempt_expired_time".	common.cfg
voice	voice.handfre		Integer	Add	It configures the sending	comm

	e_send =		from -50 to 50		volume of the speaker. Note: We recommend that you modify this parameter cautiously. An unreasonable value may render the voice quality bad.	on.cfg
voice	voice.handset_send =		Integer from -50 to 50	Add	It configures the sending volume of the handset. Note: We recommend that you modify this parameter cautiously. An unreasonable value may render the voice quality bad.	common.cfg
voice	voice.headset_send =		Integer from -50 to 50	Add	It configures the sending volume of the headset. Note: We recommend that you modify this parameter cautiously.	common.cfg
account	account.X.backup_outbound_host =		IP address or domain name	Add	Configures the IP address or domain name of the outbound proxy server 2 for account X. Note: It works only if the value of the parameter "account.X.outbound_proxy_enable" is set to 1 (Enabled).	mac.cfg
account	account.X.backup_outbound_port =		Integer from 0 to 65535	Add	Configures the port of the secondary proxy server 2 for account X. Note: It works only if the value of the parameter "account.X.outbound_proxy_enable" is set to 1 (Enabled).	mac.cfg
Action		action_url.show_msgbox =		Del		common.cfg