

## Yealink SIP IP Phones Release Notes of Version 83

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## Yealink SIP IP Phones Release Notes of Version

### x.83.0.30

#### 1. Introduction

- Firmware Version:
  - T19-E2: 53.83.0.10 upgrades to 53.83.0.30
  - T21-E2: 52.83.0.10 upgrades to 52.83.0.30
  - T23: 44.83.0.10 upgrades to 44.83.0.30
  - T27P: 45.83.0.10 upgrades to 45.83.0.30
  - T27G: 69.83.0.10 upgrades to 69.83.0.30
  - T29: 46.83.0.10 upgrades to 46.83.0.30
  - T40: 54.83.0.10 upgrades to 54.83.0.30
  - T40G: 76.83.0.10 upgrades to 76.83.0.30
  - T41: 36.83.0.10 upgrades to 36.83.0.30
  - T42: 29.83.0.10 upgrades to 29.83.0.30
  - T46: 28.83.0.10 upgrades to 28.83.0.30
  - T48: 35.83.0.10 upgrades to 35.83.0.30
  - T41S/T42S/T46S/T48S: 66.83.0.10 upgrades to 66.83.0.30
  - T52S/T54S: 70.83.0.10 upgrades to 70.83.0.30
- Applicable Models: T19-E2, T21-E2, T23, T27, T29, T40, T41, T42, T46, T48, T52, T54
- Release Date: Apr. 20<sup>th</sup>, 2018.

#### 2. New Features

1. Added the feature that Yealink T41S/T42S/T46S/T48S/T52S/T54S IP phones are compatible with Jabra and Plantronics Bluetooth Headset Dongle, including Jabra Link360, Jabra Link370, Plantronics BT300 and Plantronics BT600, and can be worked with Jabra and Plantronics headsets.

## 3. Optimization

1. Change Special Dial into Stutter Dial in the web user interface under the directory of Setting -> Tone.

## 4. Bug Fixes

1. Fixed the issue that when you set the value of the configuration parameter *features.power\_saving.power\_led\_flash.on\_time* as 0, this change may not take effect.

## 5. Configuration Parameters Enhancements

Auto Provision Template Flies Change Log							
Firmware Version: [x. 83.0.10]-[ x.83.0.30]							
Function	Provisioning syntax	Permitted Value Comparison		Default Value	Action	Description	File
		x. 83.0.10	x.83.0.30				
Broadsoft Network Directory	directory.update_time_interval =	Integer from 60 to 43200	Integer from 60 to 34560	60	Change	It configures the interval (in minutes) for the IP phone to update the data of the BroadSoft directory from the BroadSoft server. <b>Note:</b> It works only if "bw.xsi.directory.enable" and "bw.xsi.directory.update.enable" are set to 1 (Enabled).	common .cfg

## Yealink SIP IP Phones Release Notes of Version

### x.83.0.10

#### 1. Introduction

- Firmware Version:
  - T19-E2: 53.82.0.20 upgrades to 53.83.0.10
  - T21-E2: 52.82.0.20 upgrades to 52.83.0.10
  - T23: 44.82.0.20 upgrades to 44.83.0.10
  - T27P: 45.82.0.20 upgrades to 45.83.0.10
  - T27G: 69.82.0.30 upgrades to 69.83.0.10
  - T29: 46.82.0.30 upgrades to 46.83.0.10
  - T40: 54.82.0.20 upgrades to 54.83.0.10
  - T40G: 76.82.0.20 upgrades to 76.83.0.10
  - T41: 36.82.0.20 upgrades to 36.83.0.10
  - T42: 29.82.0.20 upgrades to 29.83.0.10
  - T46: 28.82.0.30 upgrades to 28.83.0.10
  - T48: 35.82.0.30 upgrades to 35.83.0.10
  - T41S/T42S/T46S/T48S: 66.82.0.30 upgrades to 66.83.0.10
  - T52S/T54S: 70.82.0.30 upgrades to 70.83.0.10
- Applicable Models: T19-E2, T21-E2, T23, T27, T29, T40, T41, T42, T46, T48, T52, T54
- Release Date: Feb 7<sup>th</sup>, 2018.

#### 2. New Features

1. Added the feature that IP phone can save what happened to the call in the call log lists.
2. Added the feature of Favorite Contacts.
3. Added the feature that on T29G/T46G/T46S/T48G/T48S/T52S/T54S IP phone, when you set a line key as a Speed Dial key, BLF key, Park key, Conference key, Forward key, Transfer key, Voice Mail key, Intercom key, Pick Up key, Group Pick

Up key or Emergency key, if you highlight the Label of Value field in the phone configuration interface, you can press Directory soft key and then select a desired contact from the Directory list(s) directly.

4. Added the feature of Diverting Calls to a Contact.
5. Added the feature that you can configure whether to highlight the matched keywords for contact searching.
6. Added the feature of Dsskey Function Types Customization.
7. Added two programmable keys: Redial key and Voice Mail key.
8. Added the feature that IP phone can automatically download all contacts in the BroadSoft Directory from server.
9. Added the feature that you can delete the BroadSoft Call Log on the phone.
10. Added the feature of Silent Alerting.
11. Added the feature that you can configure the line selection when accessing the BroadSoft Call Log.
12. Added the feature of Exclude Mode when performing Auto Provisioning.
13. Added the feature of Updating the Phone Configuration.
14. Added the feature that you can configure which network mode to be used on T54S/T52S/T48G/T48S/T46G/T46S/T42S/T41S/T29G/T27G IP phones.
15. Added the feature that you can enable or disable the USB port on T27G/T29G/T41S/T42S/T46G/T46S/T48G/T48S/T52S/T54S IP phones.
16. Added the feature of Loopback Call.
17. Added the feature that you can configure the IP phone to access the Dialing screen by pressing the HEADSET key when the phone is idle.
18. Added the feature of displaying the text of station name on the top-left corner of the LCD screen.
19. Added the feature of keeping DND feature after you activate DND during the call.
20. Added the feature of automatically resetting the volume to the specified level after each call.
21. Added the feature of English onscreen keyboard on T48G/T48S IP phone.
22. Added the feature that while using Flexible Seating feature, you cannot forward the call to the other party when the phone is ringing, but you can transfer the call to the other party after you answer the call.
23. Added the feature that you can use the ping or trace route to troubleshoot network connectivity problems via web user interface.
24. Added the feature of Adding a Wallpaper from a USB Flash Drive for T46G/T46S/T48G/T48S IP phone.
25. Supported Broadsoft Aggregated Presence 2.0.
26. Supported Alert-Info: Intercom.
27. Added the feature of DHCP Option 120.
28. Added some new TR069 configuration parameters.
29. Added the feature that resetting the IP phone to factory defaults will delete trusted and server certificates settings by default.
30. Supported more 3<sup>rd</sup>-party Bluetooth headsets.
31. Added one new embedded action type – intercom for Enhanced DSS keys (EDK).

32. Added the feature that you can view the phone's current time via web user interface in the page of Status.

### 3. Optimization

1. Optimized the feature of Hot Desking.
2. Optimized the feature of XML phonebook.
3. Optimized the feature of Input Method that you can preview all the supported methods.
4. Optimized the feature of IPv4 and IPv6 Network Settings.
5. Optimized the feature of AutoP-Boot Mechanism that the phone only saves the configuration files which is required by the Boot file of the last auto provisioning.
6. Optimized the feature that the missed call will be marked in red in the History records.
7. Optimized the feature of Call Display.
8. Optimized the softkey layout and you can customize the softkey layout for more features.
9. Optimized the display order of DSS keys.
10. Optimized the feature of Label Alignment for Line/Ext Key Display.
11. Optimized the feature of XML Browser.
12. Optimized the feature of Packets Capture.
13. Optimized the feature of Exporting the Log Files to a Local PC.

### 4. Bug Fixes

None

### 5. New Features Descriptions

1. **Added the feature that IP phone can save what happened to the call in the call log lists.**

**Description:** You can view the detailed call log information in the Relation field. The permitted values are: N/A (no display), Rejected, Forward to X, Busy, Transfer to X, X (X is a specific phone number).

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

*features.calllog\_detailed\_information =*

2. **Added the feature of Favorite Contacts (Favorites).**

**Description:** Favorites are the contacts in your local directory that you call most often. You can add contacts as favorites, view favorites, reorder favorites, and

delete favorites. This feature is disabled by default.

The phone will automatically assign a Speed Dial key for a favorite from the first unused one (unused one means the DSS key is configured as N/A or Line). If a DSS key is used, the IP phone will skip to the next unused DSS key. The order of Speed Dial DSS key assigned automatically is Line Key->Ext Key. Favorites display consecutively according to their index numbers. The contact with the lowest number is displayed first. The contact name is displayed on the phone as a label. You can quickly dial a number using the speed dial key. The order of speed dial number is office number>mobile number>other number.

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

*local\_contact.favorite.enable =*

*local.dsskey\_type\_config.mode =*

### 3. Added the feature of Diverting Calls to a Contact.

**Description:** You can divert all incoming calls from a particular contact to another contact. Auto divert has precedence over call forward.

### 4. Added the feature that you can configure whether to highlight the matched keywords for contact searching.

**Description:** It enables or disables the IP phone to highlight entered keywords for contacts searching.

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

*phone\_setting.search.highlight\_keywords.enable =*

### 5. Added the feature of Dsskey Function Types Customization.

**Description:** You can customize the selectable Dsskey function types as required. With this feature, you can quickly find and configure a Dsskey (for example, BLF key) for the phone. This feature can also be used to protect against unallowed function configuration (for example, DND).

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

*linekey.type\_range.custom =*

*programmablekey.type\_range.custom =*

*expkey.type\_range.custom =*

**6. Added the feature that IP phone can automatically download all contacts in the BroadSoft Directory from server.**

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

*bw.xsi.directory.update.enable =*

**7. Added the feature that you can delete the BroadSoft Call Log on the phone.**

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

*bw.xsi.call\_log.delete.enable =*

**8. Added the feature of Silent Alerting.**

**Description:** Silent Alerting allows the user to automatically silence a call to stop the phone from ringing. When an incoming call arrives, the BroadWorks server sends INVITE to the phone with Alert-Info:<http://127.0.0.1/silent>. Then the IP phone automatically plays the silent ring tone (Silent.wav).

**9. Added the feature that you can configure the line selection when accessing the BroadSoft Call Log.**

**Description:** You are allowed to select a line for accessing the BroadSoft Call Log; if there is only one account on the phone, you will directly access the BroadSoft Call Log for this account.

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

*bw.xsi.call\_log.multiple\_accounts.enable =*

**10. Added the feature of Exclude Mode when performing Auto Provisioning.**

**Description:** The exclude mode applies to the configuration files specified in the boot file. When you enable this feature, the phone only downloads configuration files with its own model identity; if no own model identity, it downloads configuration files without any model identity.

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

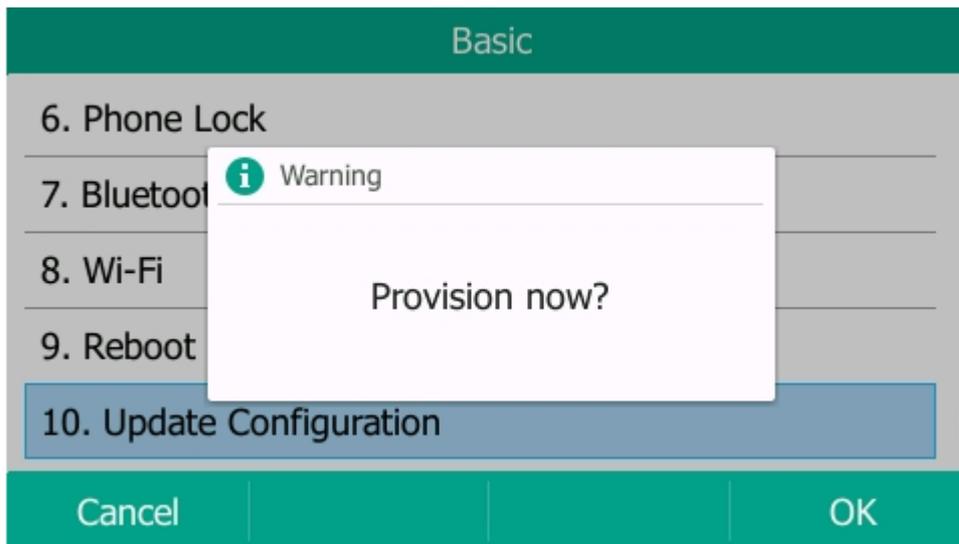
*specific\_model.excluded\_mode =*

**11. Added the feature of Updating the Phone Configuration.**

**Description:** Update your phone configurations if necessary.

**To update the phone configuration via phone user interface:**

Navigate to **Menu -> Basic -> Update Configuration.**



**12. Added the feature that you can configure which network mode to be used on T54S/T52S/T48G/T48S/T46G/T46S/T42S/T41S/T29G/T27G IP phones.**

**Description:** You can configure the IP phone to use wireless network or wired network preferentially.

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

*static.network.redundancy.mode =*  
*static.network.redundancy.failback.timeout =*

**13. Added the feature that you can enable or disable the USB port on T27G/T29G/T41S/T42S/T46G/T46S/T48G/T48S/T52S/T54S IP phones.**

**Description:** If you disable the USB port, the phone does not power to USB port and detect USB devices connected to the USB port.

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

*static.usb.power.enable =*

**14. Added the feature of Loopback Call.**

**Description:** Loopback, or loop-back, refers to the routing of electronic signals, digital data streams, or flows of items back to their source without intentional processing or modification. This is primarily a means of testing the transmission or transportation infrastructure.

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

*sip.loopback.enable =*  
*sip.loopback\_type =*

*sip.pkt\_loopback\_mode =*  
*sip.pkt\_loopback\_encapsulated\_payload =*  
*sip.pkt\_loopback\_directed\_payload =*  
*sip.loopback.auto\_answer.mode =*

**15. Added the feature that you can configure the IP phone to access the Dialing screen by pressing the HEADSET key when the phone is idle.**

**Description:** You can directly place, answer and end calls by pressing the HEADSET key. You don't need to activate the headset mode in advance.

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

*features.headset.ctrl\_call.enable =*

**16. Added the feature of displaying the text of station name on the top-left corner of the LCD screen.**

**Description:** You can configure the text of station name to be displayed on the top-left corner of the LCD screen, otherwise the label of the default account will be displayed. For the case that a long station name in a small phone screen, you can enable or disable the IP phone to scroll the string display on the top-left corner of the LCD screen.

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

*features.station\_name.value =*  
*features.station\_name.scrolling\_display =*

**17. Added the feature of keeping DND feature after you activate DND during the call.**

**Description:** Enable or disable the phone to persist DND state across calls. If disable, when you activate DND during calls, the DND is automatically deactivated after calls end.

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

*features.keep\_dnd.enable =*

**18. Added the feature of automatically resetting the volume to the specified level after each call.**

**Description:** You can configure the phone to automatically reset the speaker's/handset's/headset's volume to the specified level after each call or just persist and stay at the same level between calls.

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

*voice.handfree.autoreset\_spk\_vol* =

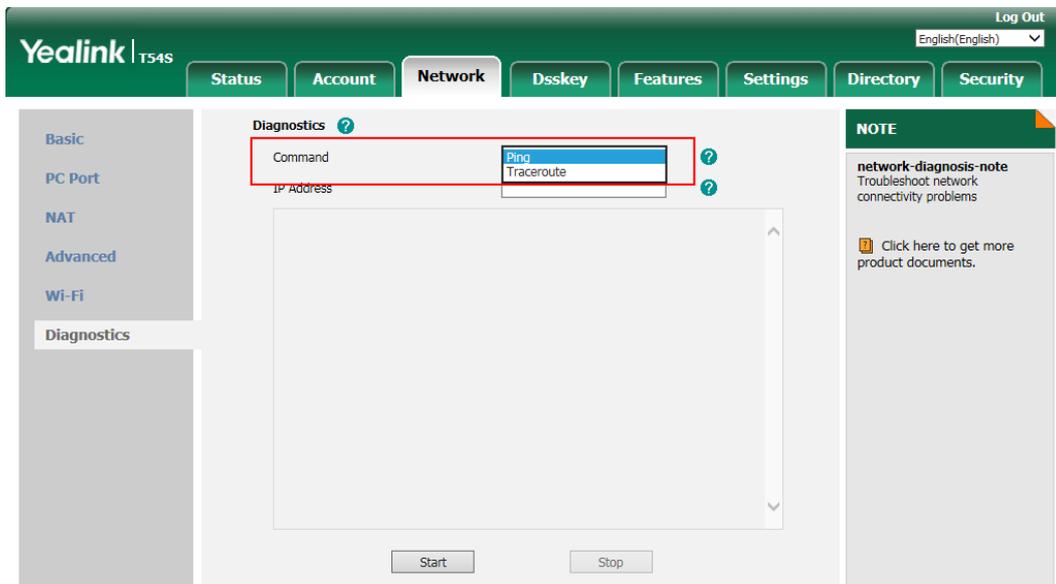
*voice.handset.autoreset\_spk\_vol* =

*voice.headset.autoreset\_spk\_vol* =

## 19. Added the feature that you can use the ping or trace route to troubleshoot network connectivity problems via web user interface.

**Description:** To use these two methods via web user interface at the path:

Network -> Diagnostics



## 20. Added the feature of Adding a Wallpaper from a USB Flash Drive for T46G/T46S/T48G/T48S IP phone.

**Description:** When you set a picture in USB flash drive as wallpaper, the picture is added to the Wallpaper list. We recommend you to add a picture less than 2.0 megapixels for T48S/T48G, 1.8 megapixels for T46S/T46G. Either the smaller or larger picture will be scaled proportionally to fit the screen.

**To add a wallpaper from a USB flash drive via phone user interface:**

Press **Menu** -> **USB** -> **Browse Photo**.



## 21. Added the feature of DHCP Option 120.

**Description:** The DHCP option 120 is used by the SIP client to locate a local outbound proxy server. In some circumstances, for example, when firewalls are present, SIP clients need to use a local server for outbound requests.

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

*sip.dhcp.option120.mode =*

## 22. Added the feature that resetting the IP phone to factory defaults will delete trusted and server certificates settings by default.

**Description:** You can configure the IP phone to reserve the trusted and server certificates settings after it is reset to factory defaults.

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

*phone\_setting.reserve\_certs\_config.enable =*

## 6. optimization Descriptions

### 1. Optimized the feature of Hot Desking.

**Description:** Hot desking allows user to clear pre-registration configurations of a specified account or all accounts on the IP phone. If registration configurations of all accounts are cleared, your account is automatically registered on line 1.

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

*hotdesking.clear\_specified\_account =*

## 2. Optimized the feature of XML phonebook.

**Description:** It allows the phone to send the entered search criteria to XML phonebook server if user does not press OK to confirm after a period of specified time. Also, before the server returns the search results, you can continue to modify the search criteria, and the server will send you the results as your newly entered.

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

*push\_xml.phonebook.search.delay =*

## 3. Optimized the feature of IPv4 and IPv6 Network Settings.

**Description:** It allows you to configure a preferred network, that using IPv6 or IPv4 preferentially.

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

*static.network.preference =*

**To configure a preferred network via phone user interface:**

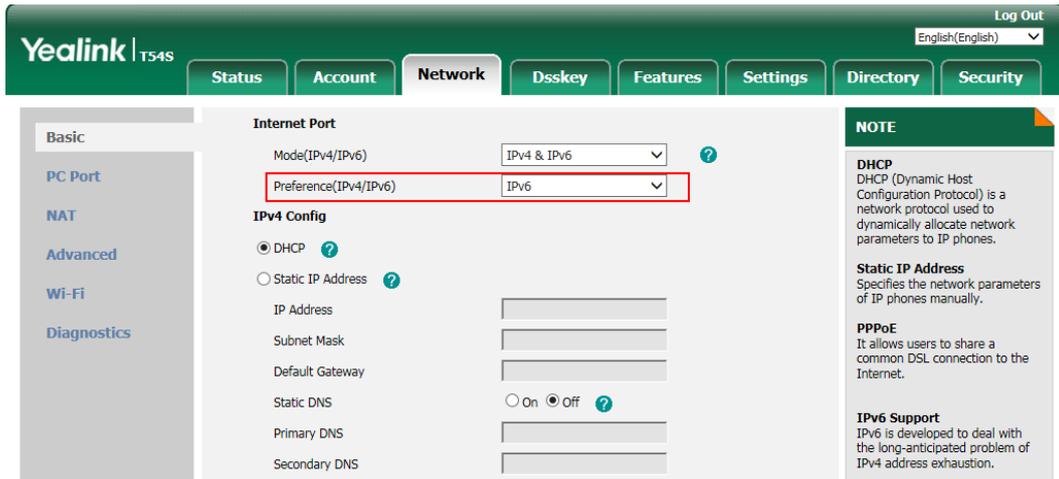
Press **Menu** -> **Advanced** (default password: admin) -> **Network** -> **WAN Port** -> **Preference**.

WAN Port		
1. IP Mode:	IPv4 & IPv6	◀ ▶
2. Preference:	IPv4	◀ ▶
3. IPv4		
4. IPv6		

Back      Switch      Save

**To configure a preferred network via web user interface:**

Navigate to **Network** -> **Basic** -> **Internet Port** -> **Preference(IPv4/IPv6)**.



#### 4. Optimized the feature of Call Display.

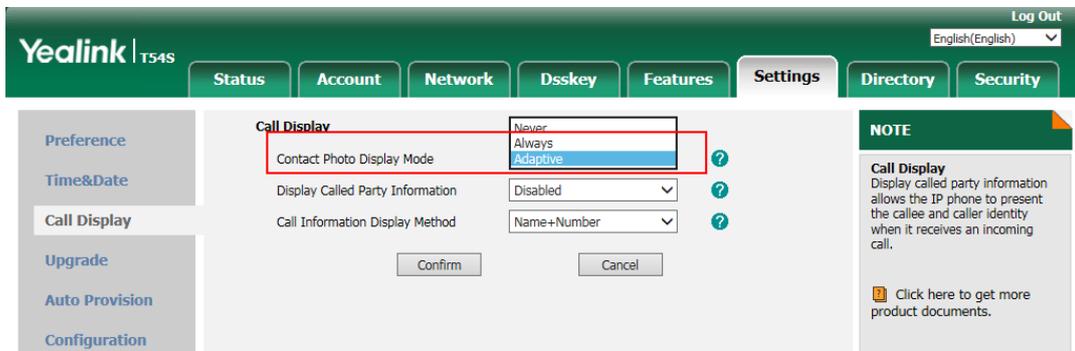
**Description:** You can configure the phone whether to display contact avatar when it receives an incoming call, dials an outgoing call or engages in a call.

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

*phone\_setting.contact\_photo\_display.enable =*

**To configure Contact Photo Display Mode via web user interface:**

Navigate to **Settings** -> **Call Display** -> **Contact Photo Display Mode**



#### 5. Optimized the display order of DSS keys.

**Description:** You can configure the order of BLF list DSS keys, Speed Dial (Favorite) keys and UC Favorite keys to be assigned automatically. Also, you can configure the display order of BLF List, UC Favorite, Favorite keys when two or more types appear simultaneously. The display order is: BLF List keys -> UC Favorite keys -> Favorite keys by default.

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

*phone\_setting.favorite\_sequence\_type =*

*phone\_setting.uc\_favorite\_sequence\_type =*

*phone\_setting.keytype\_sequence =*

## 6. Optimized the feature of Label Alignment for Line/Ext Key Display.

**Description:** It allows you to configure the alignment mode of line key/ext key label. It is only applicable to T54S/T52S/T46G/T46S/T29G IP phones and EXP50 expansion modules connected to the SIP-T54S/T52S IP phones.

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

*phone\_setting.dsskey\_label.display\_method =*

## 7. Optimized the feature of XML Browser.

**Description:** You can configure the IP address of the push XML server, the user name and the password for the IP phone to authenticate with the push XML server.

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

*push\_xml.server =*

*push\_xml.username =*

*push\_xml.password =*

## 8. Optimized the feature of Packets Capture.

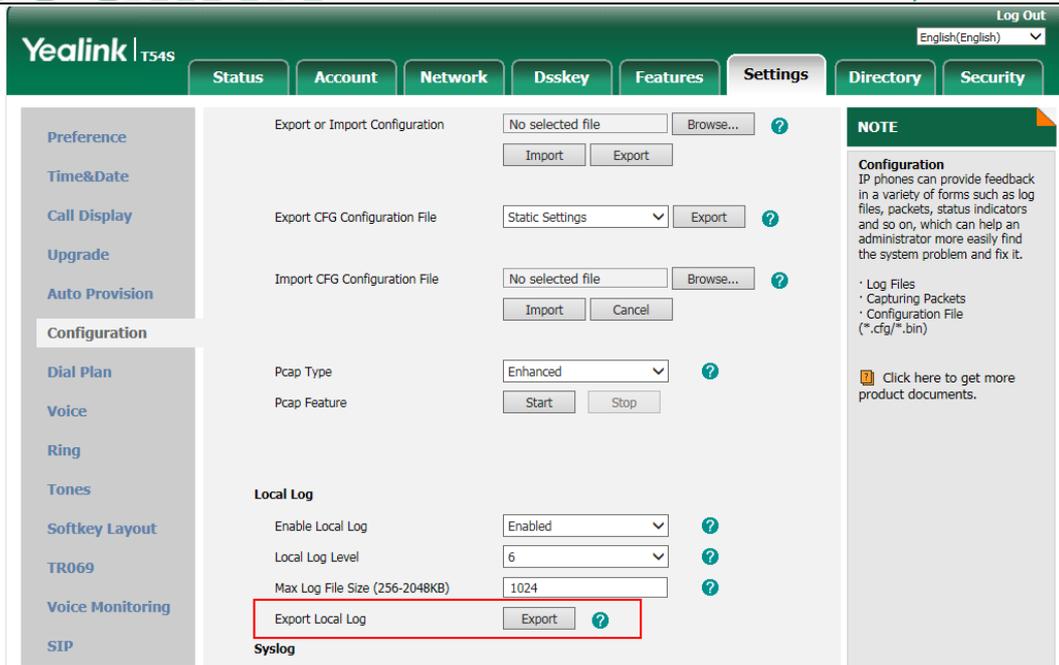
**Description:** When capturing the packets via web user interface, you can use the Enhanced mode that directly saving the packets file to the local system while capturing.

## 9. Optimized the feature of Exporting the Log Files to a Local PC.

**Description:** You can export both boot.log and system.log via web user interface all at once.

**To export the log files to a local PC via web user interface:**

Navigate to **Settings -> Configuration -> Local Log.**



## 7. Configuration Parameters Enhancements

Auto Provision Template Files Change Log							
Firmware Version: [x. 82.0.20]-[x.83.0.10]							
Function	Provisioning syntax Comparison		Permitted Value	Default Value	Action	Description	File
	x. 82.0.20	x.83.0.10					
Central Provisioning		static.auto_provision.authentication.expired_time =	0, Integer from 10 to 86400	7200	Add	It configures the timeout interval (in seconds) to prompt for user name and password if the provisioning server requires authentication.	common.cfg
Broadsoft Network Directory		bw.xsi.directory.update.enable =	0 or 1	1	Add	It enables or disables the IP phone to automatically download all contacts in the BroadSoft Directory from server. <b>Note:</b> It works only if "bw.xsi.directory.enable" is set to 1 (Enabled).	common.cfg
Central Provisioning		static.auto_provision.connect.keep_al	0 or 1	0	Add	It enables or disables the TCP keep-alive for downloading files via auto	common.cfg

		ive =				provisioning.	
DHCP Option 120		sip.dhcp.option120.mode =	0 or 1	0	Add	It configures the mode for DHCP option 120.	common.cfg
Emergency Dialplan		account.x.invite_with_pani_header.enable =	0 or 1	0	Add	It enables or disables the IP phone to carry the PANI header in the INVITE request message. The PANI header format is: P-Access-Network-Info:IEEE-802.3; eth-location=<MAC Address Of The Phone>; local-time-zone="0800"	common.cfg
DSS Keys		expkey.type_range.custom = linekey.type_range.custom = programable_key.type_range.custom =	Blank or 0	Blank	Add	It configures the available Dsskey function types list for selecting when configuring DSS keys.  To add a function type, specify Dsskey function types ID start with or without symbol "+". For example, "+2,15,16,7,4" or "2,15,16,7,4" means only N/A, Forward, Line, BLF, ReCall, Hold types are available for selecting when you configure DSS keys.  To remove a function type, specify Dsskey function types ID start with symbol "-". For example, "-14, 5, 2" means to remove "Intercom", "DND", "Forward", types from the Dsskey function types list. These Dsskey function types are not available for selecting when you configure DSS keys.  <b>Note:</b> Multiple Dsskey function type IDs are separated by commas. N/A	common.cfg

						type is always reserves.	
Broadsoft UC		phone_setting.uc_favorite_sequence_type =	0, 1, 2 or 3	0	Add	<p>It configures the order of UC Favorite keys to be assigned automatically.</p> <p><b>Note:</b> It works only if “phone_setting.dsskey_directory_auto.enable” is set to 1 (Enabled). To assign Ext Key, make sure the expansion module has been connected to the phone in advance. It is only applicable to T54S/T52S/T48S/T48G/T46S/T46G/T29G IP phones.</p>	common.cfg
Favorite Contacts		phone_setting.favorite_sequence_type =	0, 1, 2 or 3	0	Add	<p>It configures the order of Speed Dial (Favorite) keys to be assigned automatically.</p> <p><b>Note:</b> It works only if “local_contact.favorite.enable” is set to 1 (Enabled). To assign Ext Key, make sure the expansion module has been connected to the phone in advance. It is only applicable to T54S/T52S/T48S/T48G/T46S/T46G/T29G/T27P/T27G IP phones.</p>	common.cfg
Broadsoft UC		phone_setting.keytype_sequence =	blf_list, uc_favorite, favorite or a combination of them	Blank	Add	<p>It configures the display order of BLF List, UC Favorite, Favorite keys when two or more types appear simultaneously.</p> <p>If it is left blank, the display order is: BLF List keys-&gt;UC Favorite keys-&gt;Favorite keys.</p> <p><b>Example A:</b> phone_setting.keytype_sequence = favorite,uc_favorite,blf_list It means the display order</p>	common.cfg

						<p>is: Favorite keys-&gt;UC Favorite keys-&gt;BLF List keys.</p> <p><b>Example B:</b> phone_setting.keytype_sequence = blf_list</p> <p>It means the BLF List keys have the highest priority. And other two keys' display order is: UC Favorite keys-&gt;Favorite keys (the default order).</p> <p><b>Note:</b> If Auto Linekeys feature is enabled (features.auto_linekeys.enable = 1), the Line keys (the line key type is configured as Line) will be shown first.</p>	
Broadsoft Hoteling		hoteling.authentication_mode =	0 or 1	0	Add	<p>It configures the hoteling authentication mode.</p> <p><b>Note:</b> It works only if "account.X.hoteling.enable" is set to 1 (Enabled).</p>	common.cfg
TLS		phone_setting.reserve_certificates_config.enable =	0 or 1	0	Add	<p>It enables or disables the IP phone to reserve the trusted and server certificates settings after it is reset to factory defaults.</p>	common.cfg
Phone Provisioning		static.auto_provision.dhcp_option.list_user6_options =	Integer from 135 to 65535, except 143	Blank	Add	<p>It configures the IPv6 custom DHCP option for requesting provisioning server address.</p> <p>Multiple options are separated by commas.</p> <p><b>Note:</b> It works only if the value of the parameter "static.auto_provision.dhcp_option.enable" is set to 1 (On).</p>	common.cfg
Phone Customization		phone_setting.dsskey_label.display_	0 or 1	0	Add	<p>It configures the alignment mode of line key/ext key label.</p>	common.cfg

		method =					<p><b>Note:</b> It is only applicable to T54S/T52S/T46G/T46S/T29G IP phones and EXP50 expansion modules connected to the SIP-T54S/T52S IP phones. If some ext keys already exists before configuration, you need to refresh the page (press the page keys, or try re-connecting the expansion module) to make the change take effect.</p>	
Directory		phone_setting.search.highlight_keywords.enable =	0 or 1	0	Add	<p>It enables or disables the IP phone to highlight entered keywords for contacts searching.</p> <p><b>Note:</b> It is only applicable to T54S/T52S/T48G/T48S/T46G/T46S/T29G IP phones.</p>	common.cfg	
XML Browser		push_xml.phonebook.search.delay =	Integer from 0 to 10000	1000	Add	<p>It configures the time (in milliseconds) to wait for the phone to send the entered search criteria to XML phonebook server if user does not press OK to confirm.</p> <p>If it is set to 0, the IP phone immediately sends the entered search criteria to server.</p>	common.cfg	
XML Browser		features.xml_browser.loading_tip.delay =	Integer from 0 to 50000	100	Add	<p>It configures the time (in milliseconds) to wait for the IP phone to display the loading tip.</p> <p>If the phone doesn't finish loading an XML page within the specified time, "Loading, please wait" tip appears on the LCD screen.</p> <p>If it is set to 0, the loading tip feature is disabled.</p>	common.cfg	

						<p><b>Note:</b> It is not applicable to ImageScreen Object and ImageMenu Object.</p>	
Broadsoft Call Center		features.homescreen_softkey.acdenable =	0 or 1	1	Add	<p>It enables or disables the IP phone to display the ACD soft keys such as <b>Login</b> on the idle screen.</p> <p><b>Note:</b> It works only if the value of parameter "account.X.acdenable" is set to 1 (Enabled).</p>	common.cfg
Broadsoft Hoteling		features.homescreen_softkey.hotelingen.enable =	0 or 1	1	Add	<p>It enables or disables the IP phone to display the hoteling soft keys such as <b>GuestIn</b> on the idle screen.</p> <p><b>Note:</b> It works only if "account.X.hotelingen.enable" is set to 1 (Enabled).</p>	common.cfg
Softkey Layout		phone_setting.custom_softkey.apply_to_states =	String	Blank	Add	<p>It configures the desired call state to apply the custom softkey layout.</p> <p>If it is left blank, the custom softkey layout will apply to all call states on the IP phone. Multiple call states are separated by commas.</p> <p><b>Example A:</b></p> <pre>phone_setting.custom_softkey.apply_to_states = DialingEmpty,DialTransEmpty,DialConferenceEmpty</pre> <p>It means that DialingEmpty, DialTransEmpty and DialConferenceEmpty call states will use the custom softkey layout.</p> <p><b>Example B:</b></p> <pre>phone_setting.custom_softkey.apply_to_states = -Dialing,-DialTrans,-DialConference,+OnTalk,-Conference</pre>	common.cfg

						<p>dNewCallIn</p> <p>It means that Dialing call state will not use the custom softkey layout.</p> <p>The symbol processing rules of the string in Example B:</p> <ol style="list-style-type: none"> <li><b>1)</b> Remove the space(s);</li> <li><b>2)</b> Identify the first symbol (minus sign), and then remove it;</li> <li><b>3)</b> Add the commas around the string;</li> </ol> <p style="padding-left: 40px;">After processing: <u>,Dialing,-DialTrans,-DialConference,+OnTalk,-ConferencedNewCallIn,</u></p> <ol style="list-style-type: none"> <li><b>4)</b> Ignore the state with the "+" or "-" symbol.</li> </ol> <p><b>Note:</b> It works only if "phone_setting.custom_softkey_enable" is set to 1 (Enabled).</p>	
Call Settings		features.station_name.scrolling_display =	0 or 1	1	Add	It enables or disables the IP phone to scroll the string display on the top-left corner of the LCD screen.	common.cfg
Call Settings		features.station_name.value =	String	Blank	Add	It configures the text of station name to be displayed on the top-left corner of the LCD screen. If it is left blank, the label of the default account will be displayed. <b>Note:</b> The text displayed might be truncated if the value of the parameter "features.station_name.scrolling_display" is set to 0 (Disabled).	common.cfg
Bluetooth		static.bluetooth.function.	0 or 1	1	Add	It enables or disables the Bluetooth feature.	common.cfg

		enable =				<b>Note:</b> It is only applicable to T54S/T52S/T48G/T48S/T46G/T46S/T42S/T41S/T29G/T27G IP phones.	
Wi-Fi		static.wifi.function.enable =	0 or 1	1	Add	It enables or disables the Wi-Fi feature. <b>Note:</b> It is only applicable to T54S/T52S/T48G/T48S/T46G/T46S/T42S/T41S/T29G/T27G IP phones.	common.cfg
USB Port Lock		static.usb.port.enable =	0 or 1	1	Add	It enables or disables the USB port. <b>Note:</b> It is only applicable to T27G/T29G/T41S/T42S/T46G/T46S/T48G/T48S/T52S/T54S IP phones.	common.cfg
Loopback Call		sip.loopback.auto_answer.mode =	0 or 1	1	Add	It enables or disables the IP phone to automatically answer the incoming loopback call.	common.cfg
Loopback Call		sip.loopback.enable =	0 or 1	0	Add	It configures the loopback role for the phone. <b>Note:</b> After receiving the loopback call, the mute feature will be automatically activated on the phone.	common.cfg
Broadsoft Network Directory		bw.xsi.call_log.delete.enable =	0 or 1	0	Add	It enables or disables the deletion of the BroadSoft Call Log on the phone. <b>Note:</b> It works only if "bw.xsi.call_log.enable" is set to 1 (Enabled).	common.cfg
Call Log		features.call_log_detailed_information =	0 or 1	1	Add	It enables or disables the IP phone to save what happened to the call in the call log lists. <b>Note:</b> It works only if "features.save_call_history" is set to 1 (Enabled).	common.cfg
Favorite		local_contact	0 or 1	0	Add	It enables or disables the	common.cfg

Contacts		t.favorite.enable =				Favorites feature.	cfg
Favorite Contacts		local.dsskey_type_config.mode =	0 or 1	0	Add	It configures which screen to enter by long pressing the line key or ext key .  Note: It works only if “local_contact.favorite.enable” is set to 1 (Enabled). It is not applicable to T19(P) E2 IP phones.	common.cfg
Phone Network		static.network.preference =	0 or 1	0	Add	It configures a preferred network.  <b>Note:</b> It works only if “static.network.ip_address_mode” is set to 2 (IPv4 & IPv6).	common.cfg
Wi-Fi		static.network.redundancy.failback.timeout =	Integer from 0 to 1440	55	Add	It configures the time to wait (minutes) for the IP phone to switch between the wireless and wired networks.  If it is set to 0, the phone will not switch to another network as long as the current network is available.  If it is set to other values, the phone will keep using the current network for the specified time after the preferentially used network becomes available. If the preferentially used network is still available after the specified time, the phone performs a network switch while the phone is not in use (for example, during the upgrade/auto provisioning/call process).  Note: It works only if “static .network.redundancy .mode” is set to 1 or 2. It is	common.cfg

						only applicable to T54S/T52S/T48G/T48S/T46G/T46S/T42S/T41S/T29G/T27G IP phones.	
Wi-Fi		static.network.redundancy.mode =	0, 1 or 2	0	Add	It configures the network mode to be used. <b>Note:</b> It is only applicable to T54S/T52S/T48G/T48S/T46G/T46S/T42S/T41S/T29G/T27G IP phones.	common.cfg
Emergency Dialplan		bw.emergency_calling.enable =	0 or 1	0	Add	It enables or disables BroadWorks Emergency Calling feature.	common.cfg
Audio Features		voice.headset.autoreset_spk_vol =	Integer from 0 to 15	0	Add	It configures the headset's volume level during a call. If it is set to 0, the volume level persists and stays at the same level between calls. If it is set to other values, the volume automatically resets to the specified level after each call.	common.cfg
Audio Features		voice.handset.autoreset_spk_vol =	Integer from 0 to 15	0	Add	It configures the handset's volume level during a call. If it is set to 0, the volume level persists and stays at the same level between calls. If it is set to other values, the volume automatically resets to the specified level after each call.	common.cfg
Audio Features		voice.handfree.autoreset_spk_vol =	Integer from 0 to 15	0	Add	It configures the speaker's volume level during a call. If it is set to 0, the volume level persists and stays at the same level between calls. If it is set to other values, the volume automatically	common.cfg

						resets to the specified level after each call.	
DND		features.keep_dnd.enable =	0 or 1	1	Add	It enables or disables the keep DND feature after you activate DND during the call. <b>Note:</b> To activate DND during the call, you need to configure a DND DSS key in advance.	common.cfg
Input Method		phone_setting.virtual_keyboard.enable =	0 or 1	1	Add	It enables or disables the IP phone to use onscreen keyboard. <b>Note:</b> It is only applicable to T48G/S IP phones.	common.cfg
Dial Plan		dialplan.digitmap.apply_to.prefix_key =	0 or 1	1	Add	It enables or disables the specified prefix number to match the predefined string of the digit map after pressing a prefix DSS key. <b>Note:</b> It works only if “dialplan.digitmap.enable” or “account.X.dialplan.digitmap.enable” is set to 1 (Enabled).	common.cfg
Headset Prior		features.headset.ctrl_call.enable =	0 or 1	0	Add	It enables or disables the IP phone to access the Dialing screen by pressing the HEADSET key when the phone is idle.	common.cfg
Call Forward		features.forward.no_answer.show_ring_times =	String within 512 characters	0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	Add	It configures the permitted values of the ring times (N) to wait before forwarding incoming calls. Example: features.forward.no_answer.show_ring_times = 0,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19 <b>Note:</b> It works only if “forward.no_answer.enable	common.cfg

						” or “account.X.timeout_fwd.enable” is set to 1 (Enabled).	
Broadsoft Network Directory		bw.xsi.call_log.multiple_accounts.enable =	0 or 1	0	Add	It enables or disables the line selection when accessing the BroadSoft Call Log.  Note: It works only if “bw.xsi.call_log.enable” is set to 1 (Enabled). It is not applicable to T19(P) E2 IP phones.	common.cfg
XML Browser		features.xml_browser.password =	String within 15 characters	Blank	Add	It configures the authentication password for XML request.	common.cfg
XML Browser		features.xml_browser.username =	String within 15 characters	Blank	Add	It configures the authentication user name for XML request.	common.cfg
Call Forward		phone_setting.ring_duration =	Integer greater than or equal to 0	6	Add	It configures the interval (in seconds) of the ring for no answer forward feature.  <b>Example:</b> phone_setting.ring_duration = 4 features.forward.no_answer.show_ring_times = 0,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19  The permitted values of <b>After Ring Time</b> displayed on web interface at path <b>Features-&gt;Forward&amp;DND</b> are: 0,8,12,16,20,24,28,32,36,40,44,48,52,56,60,64,68,72,76.  <b>Note:</b> It works only if “forward.no_answer.enable” or “account.X.timeout_fwd.enable” is set to 1 (Enabled).	common.cfg
XML		push_xml.password =	String	Blank	Add	It configures the password	common.cfg

Browser		ssword =	within 15 characters			for the IP phone to authenticate with the push XML server.  Leave it blank if no authentication is required.	cfg
XML Browser		push_xml.us ername =	String	Blank	Add	It configures the user name for the IP phone to authenticate with the push XML server.  Leave it blank if no authentication is required.	common. cfg
Loopback Call		sip.pkt_loop back_encaps ulated_paylo ad =	Integer greater than 98	112	Add	It configures the value of dynamic payload for encapsulated RTP.  <b>Note:</b> It works only if the value of the parameter "sip.pkt_loopback_mode" is set to 1 (encapsulated packet loopback).	common. cfg
Loopback Call		sip.pkt_loop back_directe d_payload =	Integer greater than 98	113	Add	It configures the value of dynamic payload for the direct loopback RTP.  <b>Note:</b> It works only if the value of the parameter "sip.pkt_loopback_mode" is set to 2 (directed packet loopback).	common. cfg
Loopback Call		sip.pkt_loop back_mode =	1, 2 or 3	3	Add	It configures the encapsulation mode of incoming RTP packet.  <b>Note:</b> It works only if the value of the parameter "sip.loopback_type" is set to 2 (rtp-pkt-loopback).	common. cfg
Broadsoft SCA		account.X.sh are_line.barg e_in.enable =	0 or 1	1	Add	It enables or disables the users to interrupt/barge into an active call on shared line.  <b>Note:</b> It is not applicable to T19(P) E2 IP phones.	common. cfg
Security		static.securit	0, 1 or 2	0	Add	It configures the default	common.

		y.default_access_level =				access level to access the phone user interface. <b>Note:</b> It works only if “static.security.var_enable” is set to 1 (Enabled).	cfg
Boot		specific_model.excluded_mode =	0 or 1	0	Add	Enables or disables the exclude mode. The exclude mode applies to the configuration files specified in the boot file.  Note: Exclude mode can only be used in boot files. If a boot file is used but the value of the parameter “specific_model.excluded_mode” is not configured, the exclude mode is disabled by default.	y000000 000000.boot