# Configuration Guide for

**User Access Level of Web User Interface** 

## **Overview**

User access level feature is used to achieve different access levels for different authorized users. It is useful for protecting the IP phone from unauthorized configuration, and popularly used for the Hosted PBX solution. This guide describes how to customize the access permission for configuration items on the web user interface.

The information provided in this guide applies to Yealink W52P IP DECT phones with firmware version 73 or later.

# Scenario

For a Hosted PBX solution, IP phones are provided to customers for free but required a minimum consumption monthly. All PBX services associated features on the deployed IP phones are preconfigured to avoid customers from using other Hosted PBX's service, and the Hosted PBX system administrator can restrict the user access permission using user access level feature. For example, the Hosted PBX system administrator restricts the write permission of the account associated configurations. This means customers can only read these configuration items on the web user interface.

# Introduction

Yealink W52P IP DECT phones support access levels of admin, var and user. The following describes the detailed information of each access level:

- Admin: The administrator access level. With this access level, all configuration items on the web user interface can be read and written. The authentication identity for this access level is admin, and the default password is admin.
- Var: The value-added reseller access level. Generally, with this access level, most configuration items on the web user interface can be read and written. The authentication identity for this access level is var, and the default password is var.
- User: The end user access level. Generally, only a few configuration items are allowed to be written and read for access user. The authentication identity for this access level is **user**, and the default password is **user**.

# **Specification**

Access permissions of all configuration items available on the web user interface of the W52P IP DECT phone can be defined in a fixed file "WebItemsLevel.cfg". Configuration items in the file are formatted as:

#### ItemName = $X_1X_2$

 $X_1$  is used for specifying the access level. The valid values include 0, 1 and 2, respectively corresponding to the access levels: 2 = admin, 1 = var, 0 = user. 0 means the configuration item is visible for admin, var and user access levels. 1 means the configuration item is visible for admin and var access levels, but is hidden for user access level. 2 means the configuration item is visible for admin access levels. but is hidden for user access level. 2 means the configuration item is visible for admin tem is visible for admin access level, but is hidden for var and user access levels.

X<sub>2</sub> is used for defining the access permission. The valid values include 0, 1 and 2. 0 means configuration item is writable for admin, var and user access levels. 1 means configuration item is read-only for user access level, and writable for admin and var access levels. 2 means configuration item is read-only for var and user access levels, and writable for admin access level.

Value of $X_1X_2$	Description
00	This configuration item is visible and writable for admin, var and user access levels.
01	This configuration item is read-only for user access level, but writable for admin and var access levels.
02	This configuration item is read-only for var and user access levels, but is writable for admin access level.
11	This configuration item is read-only for var access level, but is writable for admin access level.
12	This configuration item is read-only for var access level, but is writable for admin access level.
20/21/22	This configuration item is hidden for var and user access levels, but writable for admin access level.

The following table lists the possible values of  $X_1X_2$ :

The admin access level has full read and write permissions. So the configuration item is writable for admin access level in any case.

If only one digit is set to the configuration item, it is used to define the access level, and the access permission of the configuration item keeps default setting.

# **Application**

This section will introduce procedures to configure access permission of the web user interface in detail. The flow chart of configuring user access level is shown as below:



### Customizing the WebItemsLevel.cfg file

You can ask Yealink Field Application Engineer for the file "WebItemsLevel.cfg", or download it online:

http://www.yealink.com/DocumentDownload.aspx?CateId=142&flag=142.

We recommend you to edit the desired configuration items in the "WebItemsLevel.cfg" file only, and keep other configuration items constant.

The following shows configuration segments in the WebltemsLevel.cfg file for reference:

**Sample 1**: Configuration items in the WebltemsLevel.cfg file for navigation bar settings of the Phone page:

[Phone]
phone-preference = 0
phone-features = 0
phone-features-line1 = 0
phone-features-line2 = 0
phone-features-line3 = 0
phone-features-line4 = 0
phone-features-line5 = 0
phone-upgrade = 0
phone-autoprov = 1
phone-config = 1
phone-dialplan = 0
phone-voice = 0
phone-tones = 0
phone-tr069 = 2

	Status	Account	Network	Phone	Contacts	Security	
Preference	Web Lang Time Syn	guage chronization	English Enabled	•	0	NOTE	lono:
Features	Time Sen	ver	cn.pool.nt	tp.org	0	Choose in.	the time zone you a
Line1	Synchron	ization Period	86400		0	NTP S	erver:
Line2	DHCP Tim	ne	Enabled	•	0	The se synchro	rver which is used to onize the clock of the
Line3	Time Zon	e	+8 China	Singapore A 👻	0	phone.	
Line4	Daylight 9	Saving Time	O Auton	natic 🔘 Enabled (	Disabled		
Line5	NTP By D	HCP Priority Confirm	High	Cancel			
Upgrade							
Dial Plan							
loico							

According to the above configuration of access level, when logging in the web user interface with user access level, the web user interface displays as below:

When logging in the web user interface with var access level, the web user interface displays as below:

Vealink						Log	out
	Status	Account	Network	Phone	Contacts	Security	
Preference	Web Lang	guage	English		0	NOTE	
Features	Time Syn	chronization	Enabled	•	0	Time Zone:	
Line1	Time Serv	/er	cn.pool.n	tp.org	0	in.	u are
Line2	Synchroni DHCP Tim	ization Period 1e	86400 Disabled		0	NTP Server: The server which is used synchronize the clock of t	to the
Line3	Time Zon	e	+8 China	Singapore 🗛 💌	0	phone.	
Line4	Daylight S	aving Time	Autor	natic 🔘 Enabled 🤇	🖲 Disabled 🕜		
Line5	NTP By D	HCP Priority	High	•	0		
Upgrade		Confirm		Cancel			
Auto Provision							
Configuration							
Dial Plan							
Voice							
Tones							

When logging in the web user interface with admin access level, the web user interface displays as below:

Vealink				
	Status Acc	ount Network	Phone Conta	icts Security
Preference	Web Language	English	. ()	NOTE
Features	Time Synchronizati	on Enabled	• 0	Time Zone:
Line1	Time Server	riod 86400	itp.org	in.
Line2	DHCP Time	Disabled	. 0	The server which is used to synchronize the clock of the
Line3	Time Zone	+8 China	、Singapore、A 💌 🥜	phone.
Line4	Daylight Saving Tin	ne 💿 Auto	matic 🔘 Enabled 🖲 Disabled	0
Line5	NTP By DHCP Prior	ity High	• ?	
Upgrade	Watch Dog	Enabled		
Auto Provision		Confirm	Cancel	
Configuration				
Dial Plan				
Voice				
Tones				
TR069				

Configuration items for navigation bar are not writable on the web user interface. So, configuration items for navigation bar can be configured only using the format "ItemName =  $X_1$ ".

If the access permission of the first navigation configuration item for each main page is restricted, the access to the main web page will be denied.

The following table lists the first navigation configuration items for each main page:

Main Page	First Navigation Item	Configuration Item
Account	Basic	account-basic
Network	Basic	network-basic
Phone	Preference	phone-preference
Contacts	Contacts	contacts-basic
Security	Password	password

For example, set the value of the configuration item "network-basic" to be 1.

When logging into with the user access level, the access to the Network web page will be denied.

Yealink	Status Account Network Phone Contacts Secu	Logout
Basic Advanced	Permission denied!	NOTE DHCP The network configurations will be acquired from DHCP server. Static IP Address Specify the IP address, Subnet Mask, Default Gateway, Primary DNS, Secondary DNS fields manually. PPPOE Contact your ISP if it should be used.

**Sample2**: Configuration items in the WebltemsLevel.cfg file for the Basic settings of the Account page:

[ Account-Basic ]
switch-account = 0
account_status = 0
line_active = 0
account_label = 0
display_name = 0
register_name = 01
user_name = 01
sip_server = 01
account_password = 2
enabled-outbound-proxy-server = 01
outbound-proxy-server = 01
transport-item = 2
NAT_traversal = 2
STUN_server = 2
proxy_require = 0
anonymous_call_enabled = $0$
anonymous_rejection_enabled = 0

			Loqout
Yealink   w52P	Status Account Ne	etwork Phone Contacts	Security
Basic	Account	Account1 💽	NOTE
Advanced Codec Number Assignment Handset Name	Register Status Line Active Label Display Name Register Name User Name Enable Outbound Proxy_Server Outbound Proxy Server Proxy Require Anonymous Call Anonymous Call Rejection SIP Server 1 Server Host Server Host	Disabled  Disabled  Disabled	<ul> <li>Display Hame. Sip Service subscriber's name which will be used for Caler ID display.</li> <li>Register Mame. Sip Service subscriber's ID used for authentication.</li> <li>User Account, provided by VoIP service provider.</li> <li>Matrix Control Service Subscriber's ID used active or not.</li> <li>Matrix Control Service S</li></ul>
	SIP Server 2 (?)		
	Server Host Server Expires	Port 5060	0
	Server Retry Counts	3 Q	

According to the above configurations of access level, when logging in the web user interface with user access level, the web user interface displays as below:

When logging in the web user interface with var access level, the web user interface displays as below:

					<u>Loqout</u>
Yealink w52P	Account				
	Status	Network Phone	Contacts	Security	
Basic	Account	Account1	<b>·</b> ?	N	DTE
	Register Status	Disabled			
Advanced	Line Active	Disabled	• ?	SI	splay Name service subscriber's name
Codec	Label		0	dis	play.
Number	Display Name		0	Re	gister Name Service subscriber's ID used
Assignment	Register Name		0	for	authentication.
Handset Name	User Name		0	Us	er Name er account, provided by VoIP
	Enable Outbound Proxy_Server	Disabled	• (?)	se	rvice provider.
	Outbound Proxy Server		Port 5060	C De	AT Traversal fines the STUN server will be
	Proxy Require		0	ac	tive or not.
	Anonymous Call	Disabled	• 🕜	A	special parameter just for
	Anonymous Call Rejection	Disabled	<b>•</b> (?)	No	rtel server, the value should
	SIP Server 1 🕜				
	Server Host		Port 5060	0	
	Server Expires	3600	0		
	Server Retry Counts	3	0		
	SIP Server 2 🕜				
	Server Host		Port 5060	0	
	Server Expires	3600	0		
	Server Retry Counts	3	0		
	Confirm	Ca	ncel		

- editedad			<u>Loqout</u>
ƏQIINK   W52P	Status Account Net	work Phone Contacts	Security
Basic	Account	Account1 💌 ?	NOTE
a dummand	Register Status	Disabled	Display Name
Auvanceu	Line Active	Disabled 💌 🥜	SIP service subscriber's name
Codec	Label	0	display.
Number	Display Name	0	Register Name SIP service subscriber's ID use
Assignment	Register Name	0	for authentication.
Handset Name	User Name	0	User Name User account, provided by Vo
	Password	•••••• 🕜	service provider.
	Enable Outbound Proxy_Server	Disabled 🔹 🕐	NAT Traversal Defines the STUN server will I
	Outbound Proxy Server	Port 5060	Prove or not.
	Transport	UDP 💌 🕜	A special parameter just for
	NAT Traversal	Disabled 🔹 🕜	Nortel server, the value shou be: com.nortelnetworks.firev
	STUN Server	Port 3478	2
	Proxy Require	0	
	Anonymous Call	Disabled 🔹 🕜	
	Anonymous Call Rejection	Disabled 🔹 🕜	
	SIP Server 1 💡		
	Server Host	Port 5060	0
	Server Expires	3600	
	Server Retry Counts	3	
	SIP Server 2 🕜		
	Server Host	Port 5060	0
	Server Expires	3600	
	Server Retry Counts	3	
	Confirm	Cancel	

When logging in the web user interface with admin access level, the web user interface displays as below:

For more information on configuration items in the WebltemsLevel.cfg file, refer to Appendix-A: Configuration Parameters.

# **Configuring the IP Phone**

User access level feature is disabled on W52P IP DECT phones by default. Before using this feature, you need to enable it through auto provisioning introduced as following. User access level feature is configurable only via configuration files.

### To configure user access level feature using the configuration file:

1. Edit the following parameters in the configuration file (e.g., y00000000025.cfg)

Parameter	Description	Value
security.var_enable	Enables or disables the login of the web user interface with different access levels. <b>0</b> -Disabled <b>1</b> -Enabled The default value is 0.	0 or 1

Parameter	Description	Value
	It takes effect after a reboot.	
web_item_level.url	Configures the access URL of the WebltemsLevel.cfg file.	URL within 511
	The default value is blank.	characters
	It takes effect after a reboot.	

The parameter settings in the configuration file for reference are shown as below:

security.var\_enable =1

web\_item\_level.url = ftp://192.168.1.100/download/WebItemslevel.cfg

- 2. Upload the configuration file to the directory of the provisioning server.
- 3. Configure the access URL of the provisioning server for the IP phone.
- 4. Trigger the IP phone to perform auto provisioning.

For more information on auto provisioning, refer to

*Yealink\_W52P\_IP\_DECT\_Phones\_Auto\_Provisioning\_Guide*, available online: http://www.yealink.com/DocumentDownload.aspx?CateId=142&flag=142.

After the user access level feature is enabled, you can login the web user interface with different access levels.

#### To login the web user interface with different access levels:

- 1. Press the **OK** key when the phone is idle to obtain the IP address.
- 2. Enter the IP address (e.g., http://192.168.0.10 or 192.168.0.10) in the address bar of web browser on your PC and then press the **Enter** key.
- **3.** Enter the user name (admin/var/user) and password (admin/var/user) in the login page.
- 4. Click **Confirm** to login.

When logging in with different access levels, you can see different permissions of web user interface.

# **Appendix-A**: Configuration Parameters

The following table lists configuration items in the Webltemslevel.cfg file with associated configurations items on the web user interface:

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	Status-Basic = 0	Status->Status (the whole page)
[ Status-Menu ]	Status-VoIP = 0	Status->Handset&VoIP (the whole page)
[ Status ]	version = 0	Status->Version Version ? Firmware Version 25.73.0.1 Hardware Version 25.0.0.0.0.0
	network = 0	Status->Network         Internet Port Type       DHCP         IP Address       10.3.6.155         Gateway       10.3.6.254         Primary DNS       192.168.1.167         Secondary DNS       192.168.1.166         Subnet Mask       255.255.255.0         MAC_Address       00156540ad50         Link_Status       Connected         Uptime       0 Days 1:8
[Status-VoIP]	registered-handset = 0	Status->Handset&VoIP->Registered Handsets Registered Handsets @ Handset Name Handset Version Delete Handset 1 H1 26.73.0.1 Delete
	registered-new-handset = 0	Status->Handset&VolP->Registered New Handsets Registered New Handsets Start Registration
	paging = 0	Status->Handset&VolP->Paging Paging ? Start Paging
	voip-status = 0	Status->Handset&VoIP->VoIP Status

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	account-basic = 0	Account->Basic (the whole page)
	account-codec = 0	Account->Codec (the whole page)
[ Account ]	account-adv = 0	Account->Advanced (the whole page)
[]	account-assign = 0	Account->Number Assignment (the whole page)
	account-handsetname = 0	Account->Handset Name (the whole page)
	switch-account = 0	Account->Basic->Account
	account_status = 0	Account->Basic->Register Status
	line_active = 0	Account->Basic->Line Active
	account_label = 0	Account->Basic->Label
	display_name = 0	Account->Basic->Display Name
	register_name = 01	Account->Basic->Register Name
	user_name = 01	Account->Basic->User Name
[ Account-Basic ]	sip_server = 01	Account->Basic->SIP Server 1 Account->Basic->SIP Server 2 Server Host Port S060 Server Retry Counts 3 SIP Server 2 Server Host Port S060
		Server Expres 3000 Server Retry Counts 3
	account_password = 2	Account->Basic->Password
	enabled-outbound-proxy-serv er = 01	Account->Basic->Enable Outbound Proxy_Server
	outbound-proxy-server = 01	Account->Basic->Outbound Proxy Server
	transport-item = 2	Account->Basic->Transport
	NAT_traversal = 2	Account->Basic->NAT Traversal
	STUN_server = 2	Account->Basic->STUN Server
	proxy_require = 0	Account->Basic->Proxy Require
	anonymous_call_enabled = 0	Account->Basic->Anonymous Call

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	anonymous_rejection_enable d = 0	Account->Basic->Anonymous Call Rejection
[Assount Codes]	switch-account = 0	Account->Codec->Account
[ Account-Codec ]	codecs-group = 1	Account->Codec->Audio codecs
	adv-switch-account = 0	Account->Advanced->Account
	UDP_keep-alive = 2	Account->Advanced->UDP Keep Alive Interval(seconds)
	local-SIP-port = 2	Account->Advanced->Local SIP Port
	rport = 2	Account->Advanced-> RPort
[Account-Adv]	sip-session-timer = 2	Account->Advanced->SIP Session Timer T1 (seconds) Account->Advanced->SIP Session Timer T2 (seconds) Account->Advanced->SIP Session Timer T4 (seconds)
	DTMF_items = 2	Account->Advanced->DTMF Type
	reliable_retransmission = 2	Account->Advanced->100 Reliable Retransmission
	subscribe-register = 2	Account->Advanced->Subscribe Register
	MWI-items = 2	Account->Advanced->Subscribe for MWI
	caller-ID-header = 2	Account->Advanced->Caller ID Header
	use-session-timer = 2	Account->Advanced->Use Session Timer
	session-timer = 2	Account->Advanced->Session Timer(seconds)
	session-refresher = 2	Account->Advanced->Refresher
	user-equal-phone = 2	Account->Advanced->Use user=phone
	voice-encryption = 2	Account->Advanced->Voice Encryption(SRTP)
	ptime-item = 2	Account->Advanced->Ptime(ms)

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	share-line = 2	Account->Advanced->Shared Line
	SIP-send-MAC = $2$	Account->Advanced->SIP Send MAC
	SIP-send-line = 2	Account->Advanced->SIP Send Line
	SIP-Reg-retry-timer = 2	Account->Advanced->SIP Registration Retry Timer(0~1800)(seconds)
	SubscribeMWIToVM = 2	Account->Advanced-> SubscribeMWIToVM
	conference-type = 2	Account->Advanced->Conference Type
	conference-uri = 2	Account->Advanced->Conference URI
[ Account-Assign	incoming-lines = 0	Account->Number Assignment-> Incoming lines
1	outgoing-lines = 0	Account->Number Assignment-> Outgoing lines
[ Account-Hands etname ]	handsetname = 1	Account->Handset Name
	network-basic = 0	Network->Basic (the whole page)
[ Network ]	network-advanced = 0	Network->Advanced (the whole page)
[ Network-Basic ]	wan-group = 0	Network->Basic->Internet Port

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	wan-dhcp = 0	Network->Basic->DHCP
	wan-static-ip = 0	Network->Basic->Static IP Address
		Network->Basic->PPPoE
	wan-ppoe = 0	PPPoE PPPoE User Password ******
		Network->Advanced->LLDP
	LLDP-items = 2	LLDP ? Active Enabled Packet Interval 60 (1~3600s)
		Network->Advanced->VLAN
	VLAN-items = 2	VLAN  VLAN Port Active Disabled  VID  Priority  DHCP VLAN Active Enabled  Option 132
		Network->Advanced->Voice QoS
	voice-QoS = 2	Voice QoS         Voice QoS         46         (0~63)           SIP Qos         26         (0~63)
[Network-Advan ced]		Network->Advanced->Local RTP Port
	local-RTP-port = 2	Local RTP Port         ?           Maximum RTP Port         12780         (1~65535)           Minimum RTP Port         11780         (1~65535)
	web-server = 2	Network->Advanced->Web Server
		Web Server         Image: Constraint of the server         Image: Conserver         I
		Network->Advanced->802.1x
	8021x = 2	802.1x 0 802.1x Mode Disabled Identity MDS Password CA_Certificate Upload
	open-VPN = 2	Network->Advanced->VPN

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		VPN  Active Disabled Browser Upload VPN Config Upload Upload
	reg-surge-prev = 2	Network->Advanced->Registration random
	phone-preference = 0	Phone->Preference (the whole page)
	phone-features = 0	Phone->Features (the whole page)
	phone-features-line1 = 0	Phone->Line1(the whole page)
	phone-features-line2 = 0	Phone->Line2 (the whole page)
	phone-features-line3 = 0	Phone->Line3 (the whole page)
	phone-features-line4 = 0	Phone->Line4 (the whole page)
	phone-features-line5 = 0	Phone->Line5 (the whole page)
[Phone]	phone-upgrade = 0	Phone->Upgrade (the whole page)
	phone-autoprov = 0	Phone->Auto Provision (the whole page)
	phone-config = 0	Phone->Configuration (the whole page)
	phone-dialplan = 0	Phone->Dial Plan (the whole page)
	phone-voice = 0	Phone->Voice (the whole page)
	phone-tones = 0	Phone->Tones (the whole page)
	phone-tr069 = 2	Phone->TR069 (the whole page)
	web-language = 0	Phone->Preference->Web Language
	time_zone = 0	Phone->Preference->Time Zone
	DHCP-Time = 0	Phone->Preference->DHCP Time
[ Phone-Preferen ce ]	prim_server = 0	Phone->Preference->Time Server
	daylight-time = 0	Phone->Preference->Daylight Saving Time
	time_type = 0	Phone->Preference>Fixed Type (The Fixed Type field will appear when the radio box of Automatic or Enabled in the Daylight Saving Time field is marked)

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	daylight_date = 0	Phone->Preference (The Start Date and End Date fields will appear when the radio box of Automatic or Enabled in the Daylight Saving Time field is marked) Start Date Month Day Hour End Date Month Day Hour
	offset = 0	Phone->Preference->Offset (The Offset field will appear when the radio box of Automatic or Enabled in the Daylight Saving Time field is marked)
	location = 0	Phone->Preference->Location (The Location field will appear only when the radio box of Automatic in the Daylight Saving Time field is marked)
	manual-time = 0	Phone->Preference->Time Synchronization
	manual-time-settings = 0	Phone->Preference (The Date and Time fields will appear when Disabled is selected from the pull-down list of the Time Synchronization)
	update_interval = 0	Phone->Preference->Synchronization Period
	ntp_priority = 0	Phone->Preference->NTP By DHCP Priority
	watchdog = 2	Phone->Preference->Watch Dog
	call_waiting = 0	Phone->Features->Call Waiting
[Phone-Features]	call-waiting-tone = 0	Phone->Features->Call Waiting Tone
	emergency_setting = 2	Phone->Features->Emergency Numbers
	return-code-refuse = 0	Phone->Features->Return code when

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		refuse
	return-code-DND = 0	Phone->Features->Return Code When DND
	semi-attend-transfer = 0	Phone->Features->Enable SemiAttend Transfer
	Semi-Attend-Trans-OnHook = 0	Phone->Features->Attend Transfer OnHook
	blind-tran-onhook = 0	Phone->Features->Blind Transfer OnHook
	RFC-2543-Hold = 2	Phone->Features->RFC 2543 Hold
	use-outbound-in-dialog = 2	Phone->Features->Use Outbound Proxy in Dialog
	IsDeal-180 = 2	Phone->Features->180 Ringing
	SaveCallHistory = 2	Phone->Features->Save Call Log
	logout_time = 0	Phone->Features->Login Timeout(1~1000)(Minutes)
	SuppressDTMFDisplay = 1	Phone->Features->Suppress DTMF Display
	SuppressDTMFDisplayDelay = 1	Phone->Features->Suppress DTMF Display Delay
	feature-key-synchronisation = 0 (only applicable to UC-One firmware version)	Phone->Features->Feature Synchronization
	DHCP_hostname = 0	Phone->Features->DHCP Hostname
	call-number-filter = 2	Phone->Features->Call Number Filter
	voicemail-tone = 2	Phone->Features->Voice Mail Tone
[Phone-Features- Line]	always-forword = 0	Phone->LineX->Forward
	always-forward-enabled = 0	Phone->LineX->Forward->Always
	always-forward-target = 0	Phone->LineX->Forward->Target

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		Always On © Off 2 Target
	always-forward-OnCode = 0	Phone->LineX->Forward->On Code
	always-forward-OffCode = 0	Phone->LineX>Forward ->Off Code
	busy-forword = 0	Phone->LineX->Forward  Busy Target On Code Off Code
	busy-forward-enabled = 0	Phone->LineX->Forward->Busy
	busy-forward-target = 0	Phone->LineX->Forward->Target Busy On @ Off ? Target ?
	busy-forward-OnCode = 0	Phone->LineX->Forward->On Code
	busy-forward-OffCode = 0	Phone->LineX->Forward->Off Code           Busy         On         Off         Image: On the constraint of the constr
	NoAnswer-forward = 0	Phone->LineX->Forward

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
	NoAnswer-forward-enabled = 0	Phone->LineX->Forward->No Answer No Answer  After Ring Time(seconds)  Target
	NoAnswer-forward-ringtimes = 0	Phone->LineX->Forward->After Ring Time(seconds)
	NoAnswer-forward-target = 0	Phone->LineX->Forward->Target No Answer  After Ring Time(seconds)  Target  On  On  Off  O  Target  O
	NoAnswer-forward-OnCode = 0	Phone->LineX->Forward->On Code
	NoAnswer-forward-OffCode = 0	Phone->LineX->Forward->Off Code
	not-disturb = 0	Phone->LineX->DND On Code Off Code Off Code Off Code Off Code
	anonymous = 0	Phone->LineX->Anonymous Call           Anonymous code         On @ Off @           On Code         @           Off Code         @           Anonymous rejection code         On @ Off @           On Code         @           Off Code         @
	voice-mail = 0	Phone->LineX->Voice Mail
[Phone-Upgrade	version_info = 0	Phone->Upgrade->Version

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
]		Version ? Firmware Version 25.73.0.1 Hardware Version 25.1.0.0.0.0
	reset_to_factory = 1	Phone->Upgrade->Reset to Factory
	reboot_device = 0	Phone->Upgrade->Reboot
	upgrade_firmware = 1	Phone->Upgrade->Select and Upgrade Base Firmware
	upgrade_handset_firmware = 2	Phone->Upgrade->Select and Upgrade Handset Firmware
	pcap_trace = 1	Phone->Upgrade->Pcap Feature
	dhcp-active = 2	Phone->Auto Provision->DHCP Option
	custom-option = 2	Phone->Auto Provision->Custom Option(128~254)
	dhcp-option-value = 2	Phone->Auto Provision->DHCP Option 60
	server-URL = 2	Phone->Auto Provision->Provisioning Server
	autop-username = 2	Phone->Auto Provision->User Name
	autop-password = 2	Phone->Auto Provision->Password
[Phone-AutoProvi	common-AES-key = 2	Phone->Auto Provision->Common AES Key
sion]	MAC-Oriented-AES-key = 2	Phone->Auto Provision-> MAC-Oriented AES Key
	pnp-active = 2	Phone->Auto Provision->PNP
	poweron-active = 2	Phone->Auto Provision->Check New Config
	repeatly-active = 2	Phone->Auto Provision->Repeatedly
	repeat-interval = 2	Phone->Auto Provision-> Interval(Minutes)
	weekly-active = 2	Phone->Auto Provision->Weekly
	autop-time = 2	Phone->Auto Provision->Time
	day-of-week = 2	Phone->Auto Provision->Day of Week

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		<ul> <li>✓ Sunday</li> <li>✓ Monday</li> <li>✓ Tuesday</li> <li>✓ Tuesday</li> <li>✓ Wednesday</li> <li>✓ Thursday</li> <li>✓ Friday</li> <li>✓ Saturday</li> </ul>
	btn-autop-now = 2	Phone->Auto Provision-> AutoProvision Now
[Phone-Config]	opt-configfile = 1	Phone->Configuration->Import / Export Config
	opt-factory-configfile = 2	Phone->Configuration->Import Factory configuration
	local-configfile = 0	Phone->Configuration->Local Configuration
	syslog = 1	Phone->Configuration->Export System Log Export System Log ?  © Local © Server
		Export
	SystemlogLevel = 2	Phone->Configuration->Log Leve
[Phone-DialPlan]	replace-rule = 0	Phone->Dial Plan->Replace Rule (the whole page)
	area-code = 0	Phone->Dial Plan->Area Code (the whole page)
	block-out = 0	Phone->Dial Plan->Block Out (the whole page)
	replace-rule-control = 0	Phone->Dial Plan->Replace Rule
		Index Number Replace Account           Index         Number         Replace         Account           Number         Replace         Account           Add         Edt         Delete
		Phone->Dial Plan->Area Code
	area-code-control = 0	Code Minimum Length(1-15) 1 Maximum Length(1-15) 15 Account Confirm Cancel
	block-out-control = 0	Phone->Dial Plan->Block Out

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		BlockOut Number1 Account BlockOut Number2 Account BlockOut Number3 Account BlockOut Number3 Account BlockOut Number5 Account BlockOut Number5 Account Blockout Number6 Account Blockout Number7 Account BlockOut Number8 Account BlockOut Number9 Account BlockOut Number9 Account BlockOut Number10 Account Clear
[Phone-Voice]	echo-cancellation = 0	Phone->Voice->Echo Cancellation
	jitter-buffer = 0	Phone->Voice->Jitter Buffer
[Phone-Tones]	tone-items = 0	Phone->Tones (The whole page)
	EnableTR069 = 2	Phone->TR069->TR069
	ACSUsername = 2	Phone->TR069->ACS Username
	ACSPassword = 2	Phone->TR069->ACS Password
	ACSURL = 2	Phone->TR069->ACS URL
[ Dhono Tr0/0]	EnablePeriodicInform = 2	Phone->TR069->Periodic Inform
[ Phone-Tr069]	PeriodicInformInterval = 2	Phone->TR069->Periodic Inform Interval (seconds)
	RequestUsername = 2	Phone->TR069->Connection Request Username
	RequestPassword = 2	Phone->TR069->Connection Request Password
[ Contacts ]	contacts-basic = 0	Contacts->Contacts (The whole page)
	contacts-remote = 0	Contacts->Remote Phone Book (The whole page)
	contacts-broadsoft = 0 (only applicable to UC-One firmware version)	Contacts->Network Directory (The whole page)

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
[Contacts-Basic]	download-contacts = 1	Contacts->Contacts->File Template Download  File Template Download  .CSV file template  .XML file template  Download
	import-contacts = 1	Contacts->Contacts ->Import Contacts Import Contacts Import to Select .xml file form Select .csv file form Import Import
	export-contacts = 1	Contacts->Contacts->Export Contacts
[ Contacts-Remot e ]	remote-phonebook-list = 0	Contacts->Remote Phone Book
	SRemoteNameFlashTime = 0	Contacts->Remote Phone Book-> Update Time Interval(60-86400)(Minutes)
[ Contacts-Broad soft ] (only applicable to UC-One firmware version)	XSI = 0	Contacts->Network Directory->XSI
	Directotries = 0	Contacts->Network Directory-> Directory

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		Directory     Image: Constraint of the state
	password = 0	Security->Password (The whole page)
	base-pin = 0	Security->Base PIN (The whole page)
[Security]	trusted_cert = 2	Security->Trusted Certificates (The whole page)
	server_cert = 2	Security->Server Certificates (The whole page)
[ BasePin ]	base-unit-pin = 0	Security->Base PIN Current Base PIN New Base PIN Confirm Base PIN Confirm Base PIN
	server-certs-records = 2	Security->Server Certificates
[ ServerCerts ]	server-certs-upload = 2	Security->Server Certificates-> Upload Server Certificate
	server-certs-device-cert = 2	Security->Server Certificates-> Device Certificates
[ TrustCerts ]	trust-certs-records = 2	Security->Trusted Certificates
	btn-delete-certs = 2	Security->Trusted Certificates ->Delete

Section Header	Parameters and Default Value	Configuration Items on the Web User Interface
		Index     Issued To     Issued By     Expiration     Delete       1
	only-accept-trusted-certs = 2	Security->Trusted Certificates->Only Accept Trusted Certificates Only Accept Trusted Certificates Common Name Validation CA Certificates All Certificates
	upload-trust-certs = 2	Security->Trusted Certificates-> Upload Trusted Certificate
[HiddenSetting]	phone-setting = 2	Hidden->Phone Setting
	custom-factory-config = 2	Hidden->Custom Factory Config
	Forward-Active = 2	Hidden->Forward Active
	DND-Active = 2	Hidden->DND Active
	Broadsoft-Active = 1	Hidden->BroadSoft Active
	Redirect-Active = 1	Hidden->Redirect Active

# Appendix-B: Sample WebItemsLevel.cfg File

The default configuration item settings in the WebItemsLevel.cfg file for W52P IP DECT phones are:

[Status-Menu]
Status-Basic = 0
Status-VoIP = 0
[ Status ]
version = 0
network = 0
[Status-VoIP]
registered-handset = 0
registered-new-handset = 0
paging = 0
voip-status = 0
[ Account ]
account-basic = 0
account-codec = 0
account-adv = 0
account-assign = 0
account-handsetname = 0
[ Account-Basic ]
switch-account = 0
account_status = 0
line_active = 0
account_label = 0
display_name = 0
register_name = 01
user_name = 01
sip_server = 01
account_password = 2
enabled-outbound-proxy-server = 01

outbound-proxy-server = 01transport-item = 2 $NAT_traversal = 2$  $STUN_server = 2$  $proxy_require = 0$  $anonymous_call_enabled = 0$ anonymous\_rejection\_enabled = 0 [Account-Codec] switch-account = 0codecs-group = 1[Account-Adv] adv-switch-account = 0 $UDP_keep-alive = 2$ local-SIP-port = 2rport = 2sip-session-timer = 2 $DTMF_items = 2$ reliable\_retransmission = 2 subscribe-register = 2MWI-items = 2 caller-ID-header = 2use-session-timer = 2session-timer = 2session-refresher = 2user-equal-phone = 2voice-encryption = 2ptime-item = 2share-line = 2SIP-send-MAC = 2SIP-send-line = 2SIP-Reg-retry-timer = 2 SubscribeMWIToVM = 2conference-type = 2conference-uri = 2

```
[Account-Assign]
incoming-lines = 0
outgoing-lines = 0
[Account-Handsetname]
handsetname = 1
[Network]
network-basic = 0
network-advanced = 0
[Network-Basic]
wan-group = 0
wan-dhcp = 0
wan-static-ip = 0
wan-ppoe = 0
[Network-Advanced]
LLDP-items = 2
VLAN-items = 2
voice-QoS = 2
local-RTP-port = 2
web-server = 2
8021x = 2
open-VPN = 2
reg-surge-prev = 2
[Phone]
phone-preference = 0
phone-features = 0
phone-features-line 1 = 0
phone-features-line2 = 0
phone-features-line3 = 0
phone-features-line4 = 0
phone-features-line5 = 0
phone-upgrade = 0
phone-autoprov = 0
```

```
phone-config = 0
phone-dialplan = 0
phone-voice = 0
phone-tones = 0
phone-tr069 = 2
[Phone-Preference]
web-language = 0
time_zone = 0
DHCP-Time = 0
prim_server = 0
daylight-time = 0
time_type = 0
daylight_date = 0
offset = 0
location = 0
manual-time = 0
manual-time-settings = 0
update_interval = 0
ntp_priority = 0
watchdog = 2
[Phone-Features]
call_waiting = 0
call-waiting-tone = 0
emergency_setting = 2
return-code-refuse = 0
return-code-DND = 0
semi-attend-transfer = 0
Semi-Attend-Trans-OnHook = 0
blind-tran-onhook = 0
RFC-2543-Hold = 2
use-outbound-in-dialog = 2
IsDeal-180 = 2
SaveCallHistory = 2
logout_time = 0
SuppressDTMFDisplay = 1
```

SuppressDTMFDisplayDelay = 1feature-key-synchronisation = 0 $DHCP_hostname = 0$ call-number-filter = 2voicemail-tone = 2[Phone-Features-Line] always-forword = 0always-forward-enabled = 0always-forward-target = 0always-forward-OnCode = 0always-forward-OffCode = 0busy-forword = 0busy-forward-enabled = 0busy-forward-target = 0busy-forward-OnCode = 0busy-forward-OffCode = 0NoAnswer-forward = 0NoAnswer-forward-enabled = 0NoAnswer-forward-ringtimes = 0NoAnswer-forward-target = 0NoAnswer-forward-OnCode = 0NoAnswer-forward-OffCode = 0not-disturb = 0anonymous = 0voice-mail = 0[Phone-Upgrade] version\_info = 0reset\_to\_factory = 1 reboot\_device = 0 upgrade\_firmware = 1 upgrade\_handset\_firmware = 2  $pcap_trace = 1$ [Phone-AutoProvision] dhcp-active = 2

custom-option = 2dhcp-option-value = 2server-URL = 2autop-username = 2autop-password = 2common-AES-key = 2MAC-Oriented-AES-key = 2pnp-active = 2poweron-active = 2repeatly-active = 2 repeat-interval = 2weekly-active = 2autop-time = 2day-of-week = 2btn-autop-now = 2[Phone-Config] opt-configfile = 1 opt-factory-configfile = 2 local-configfile = 0syslog = 1SystemlogLevel = 2 [Phone-DialPlan] replace-rule = 0area-code = 0block-out = 0replace-rule-control = 0area-code-control = 0block-out-control = 0[Phone-Voice] echo-cancellation = 0jitter-buffer = 0[Phone-Tones] tone-items = 0

[Phone-Tr069] EnableTR069 = 2 ACSUsername = 2ACSPassword = 2ACSURL = 2EnablePeriodicInform = 2PeriodicInformInterval = 2RequestUsername = 2 RequestPassword = 2 [Contacts] contacts-basic = 0contacts-remote = 0contacts-broadsoft = 0[Contacts-Basic] download-contacts = 1import-contacts = 1export-contacts = 1[Contacts-Remote] remote-phonebook-list = 0SRemoteNameFlashTime = 0 [Contacts-Broadsoft] XSI = 0Directotries = 0[Security] password = 0base-pin = 0 $trusted_cert = 2$  $server_cert = 2$ [BasePin] base-unit-pin = 0

[ServerCerts] server-certs-records = 2server-certs-upload = 2 server-certs-device-cert = 2 [TrustCerts] trust-certs-records = 2btn-delete-certs = 2only-accept-trusted-certs = 2upload-trust-certs = 2[HiddenSetting] phone-setting = 2custom-factory-config = 2Forward-Active = 2DND-Active = 2Broadsoft-Active = 1Redirect-Active = 1

### **Customer Feedback**

We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to DocsFeedback@yealink.com.