

User Access Level of Web/Phone/Handset 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. The following describes how to customize the access permission for configurations on the web user interface and phone/handset user interface.

This guide applies to the following Yealink IP phones:

- SIP-T58A, SIP VP-T49G, CP860, CP960 and W56P IP phones running firmware version 80 or later
- SIP-T48G/S, SIP-T46G/S, SIP-T42G/S, SIP-T41P/S, SIP-T40P/G, SIP-T29G, SIP-T27G, SIP-T23P/G, SIP-T21(P) E2, SIP-T19(P) E2, CP920, W52P and W60P IP phones running firmware version 81 or later
- VP59, CP930W-Base, W53P and W80B running firmware version 83 or later
- SIP-T57W, SIP-T54W, SIP-T53W, SIP-T53, SIP-T48U, SIP-T46U, SIP-T43U and SIP-T42U IP phones running firmware version 84 or later
- SIP-T33P, SIP-T33G, SIP-T31P, SIP-T31G, SIP-T31, SIP-T30P and SIP-T30 IP phones running firmware version 85 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 configurations on both web user interface and phone/handset user interface.

Introduction

Yealink IP 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 configurations on both web user interface and phone/handset 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 configurations on the web user interface and phone/handset 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 configurations 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 Yealink IP phones' web user interface and phone/handset user interface can be defined in a fixed WebItemsLevel.cfg file. Each configuration item in the file is formatted as:

ItemName = X₁X₂

The valid values of X₁, X₂ include 0, 1, 2 and 3.

X₁ is used for specifying the access level. The access levels: 2 = admin, 1 = var, 0 = user, 3 = none.

X₂ is used for defining the access permission. 2 means the configuration item is read-only for X₁ and higher access levels, the highest is always writable. 1 means the configuration item is read-only for X₁ access level and writable for higher access levels. 0 means the configuration item is writable for X₁ and higher access levels. 3 means the configuration item is read-only for X₁ and higher access levels.

The following table lists the possible values of X₁X₂ and the configuration results with different access levels:

(W: writable; R: read-only; N: hidden)

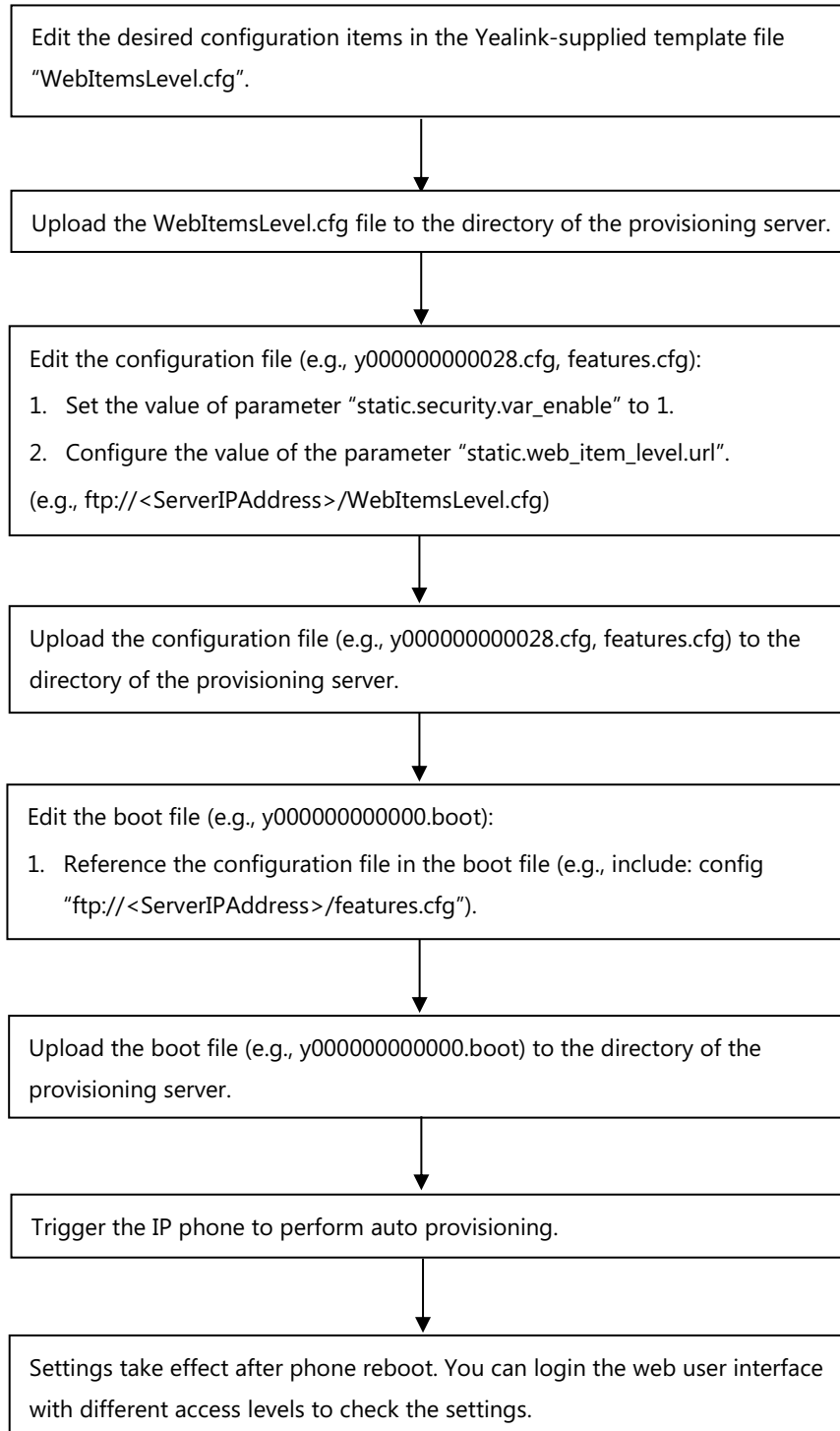
Results Values of X ₁ X ₂	admin (2)	var (1)	user (0)
0	WR	WR	WR
1	WR	WR	N
2	WR	N	N
3	N	N	N
00	WR	WR	WR
01	WR	WR	R
02	WR	R	R
03	R	R	R
10	WR	WR	N

Results Values of X_1X_2	admin (2)	var (1)	user (0)
11	WR	R	N
12	WR	R	N
13	R	R	N
20	WR	N	N
21	WR	N	N
22	WR	N	N
23	R	N	N
30/31/32/33	N	N	N

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:

Note: The boot file is only applicable to the IP phones running new firmware version (new auto provisioning mechanism). The parameter varies from firmware version to firmware version (refer to [Configuring Yealink IP Phones](#)).



Customizing WebItemsLevel.cfg

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

<http://support.yealink.com/documentFront/forwardToDocumentFrontDisplayPage>.

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

WebItemsLevel.cfg downloaded via auto provisioning will override that in the phone flash. Access level of any configuration item missed (including configuration value left blank) in the downloaded WebItemsLevel.cfg file will be changed to user by default.

Web User Interface

The following shows configuration segments for the web user interface in the WebItemsLevel.cfg file for reference:

Sample 1: Configuration items in the WebItemsLevel.cfg for navigation bar settings of the Features page:

```
[ Features ]
features-forward = 0
features-general = 0
features-audio = 0
features-intercom = 0
features-transfer = 1
features-callpickup = 0
features-remote = 2
features-phonelock = 0
features-acd = 0
features-sms = 2
features-actionurl = 1
features-bluetooth = 0
features-poweredled = 2
features-notifypop = 0
```

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:

The screenshot displays the Yealink T46G web user interface. The top navigation bar includes 'Status', 'Account', 'Network', 'Dsskey', 'Features', 'Settings', 'Directory', and 'Security'. The 'Features' tab is selected. On the left sidebar, the 'Forward&DND' menu item is highlighted with a red box. The main content area is divided into two sections: 'Forward' and 'DND'. Each section contains several configuration options with input fields and dropdown menus. A 'NOTE' section on the right provides additional information about the features.

Forward

Forward Emergency: Disabled

Forward Authorized Numbers:

Mode: ☒ Phone ☐ Custom

Account: 4046

Always Forward: ☐ On ☒ Off

Target:

On Code:

Off Code:

Busy Forward: ☐ On ☒ Off

Target:

On Code:

Off Code:

No Answer Forward: ☐ On ☒ Off

After Ring Time(0~120s): 12

Target:

On Code:

Off Code:

DND

DND Emergency: Disabled

DND Authorized Numbers:

Mode: ☒ Phone ☐ Custom

Account: 4046

DND Status: ☐ On ☒ Off

On Code:

Off Code:

NOTE

Call Forward
It allows users to redirect an incoming call to a third party.

Call Forward Mode
Phone: Call forward feature is effective for the IP phone.
Custom: Call forward feature is effective for the specific account.

Do Not Disturb (DND)
It allows IP phones to ignore incoming calls.

DND Mode
Phone: DND feature is effective for the IP phone.
Custom: DND feature is effective for the specific account.

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Confirm Cancel

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

The screenshot displays the Yealink T46G web user interface. The top navigation bar includes tabs for Status, Account, Network, Dsskey, Features, Settings, Directory, and Security. The 'Features' tab is selected. On the left sidebar, the 'Forward&DND' menu item is highlighted with a red box. The main content area is divided into two sections: 'Forward' and 'DND'. Each section contains configuration options for Emergency, Authorized Numbers, Mode, Account, and Status. The 'Forward' section includes options for 'Always Forward' and 'Busy Forward'. The 'DND' section includes options for 'DND Emergency' and 'DND Authorized Numbers'. A 'NOTE' section on the right provides explanations for 'Call Forward' and 'Do Not Disturb (DND)' features. The 'Forward' section is currently active, showing settings for 'Forward Emergency' (Disabled), 'Forward Authorized Numbers' (empty), 'Mode' (Phone), 'Account' (4046), 'Always Forward' (On), 'Target' (empty), 'On Code' (empty), 'Off Code' (empty), 'Busy Forward' (On), 'Target' (empty), 'On Code' (empty), 'Off Code' (empty), 'No Answer Forward' (On), 'After Ring Time(0~120s)' (12), 'Target' (empty), 'On Code' (empty), and 'Off Code' (empty). The 'DND' section shows settings for 'DND Emergency' (Disabled), 'DND Authorized Numbers' (empty), 'Mode' (Phone), 'Account' (4046), 'DND Status' (On), 'On Code' (empty), and 'Off Code' (empty). A 'NOTE' section on the right provides explanations for 'Call Forward' and 'Do Not Disturb (DND)' features. The 'Forward' section is currently active, showing settings for 'Forward Emergency' (Disabled), 'Forward Authorized Numbers' (empty), 'Mode' (Phone), 'Account' (4046), 'Always Forward' (On), 'Target' (empty), 'On Code' (empty), 'Off Code' (empty), 'Busy Forward' (On), 'Target' (empty), 'On Code' (empty), 'Off Code' (empty), 'No Answer Forward' (On), 'After Ring Time(0~120s)' (12), 'Target' (empty), 'On Code' (empty), and 'Off Code' (empty). The 'DND' section shows settings for 'DND Emergency' (Disabled), 'DND Authorized Numbers' (empty), 'Mode' (Phone), 'Account' (4046), 'DND Status' (On), 'On Code' (empty), and 'Off Code' (empty). A 'NOTE' section on the right provides explanations for 'Call Forward' and 'Do Not Disturb (DND)' features.

Forward

Forward Emergency: Disabled

Forward Authorized Numbers:

Mode: Phone (selected), Custom

Account: 4046

Always Forward: On (selected), Off

Target:

On Code:

Off Code:

Busy Forward: On (selected), Off

Target:

On Code:

Off Code:

No Answer Forward: On (selected), Off

After Ring Time(0~120s): 12

Target:

On Code:

Off Code:

DND

DND Emergency: Disabled

DND Authorized Numbers:

Mode: Phone (selected), Custom

Account: 4046

DND Status: On (selected), Off

On Code:

Off Code:

NOTE

Call Forward
It allows users to redirect an incoming call to a third party.

Call Forward Mode
Phone: Call forward feature is effective for the IP phone.
Custom: Call forward feature is effective for the specific account.

Do Not Disturb (DND)
It allows IP phones to ignore incoming calls.

DND Mode
Phone: DND feature is effective for the IP phone.
Custom: DND feature is effective for the specific account.

Click here to get more product documents.

Confirm Cancel

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

The screenshot shows the Yealink T46G web interface. The top navigation bar includes Status, Account, Network, Dsskey, Features, Settings, Directory, and Security. The 'Features' tab is selected, and the 'Forward&DND' sub-tab is active. The left sidebar lists various configuration categories, with 'Forward&DND' highlighted. The main area contains two sections: 'Forward' and 'DND'. Each section has fields for Emergency, Authorized Numbers, Mode (Phone/Custom), Account, and Status (On/Off). There are also fields for Target, On Code, and Off Code. A 'NOTE' section on the right explains the 'Call Forward' and 'Do Not Disturb (DND)' features. At the bottom, there are 'Confirm' and 'Cancel' buttons.

Note: Configuration items for navigation bar are not writable on both web user interface and phone/handset user interface. So, configuration items for navigation bar can be configured only using the format "ItemName = X".

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.

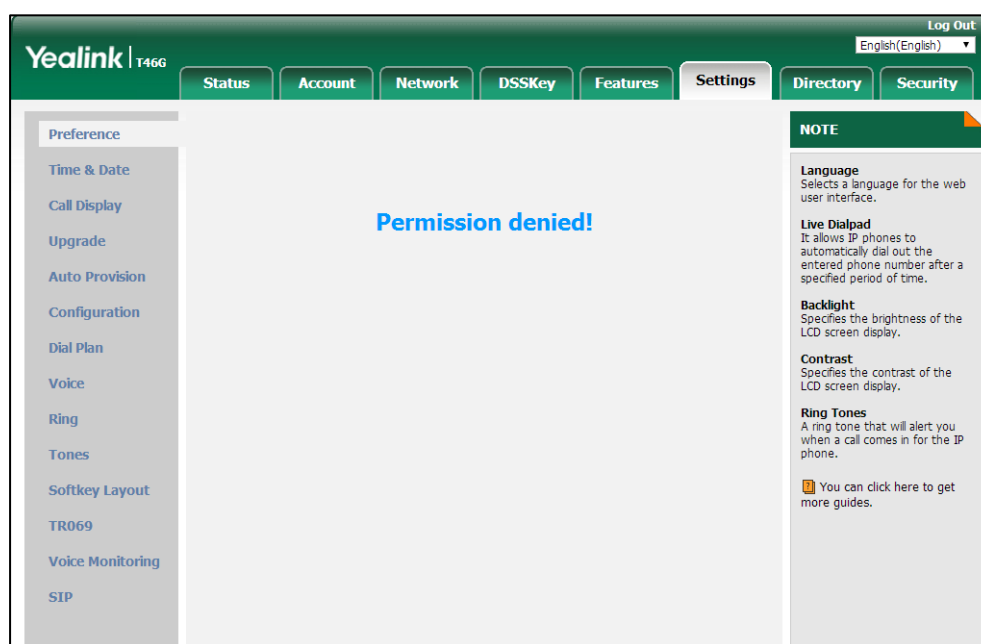
The following table lists the first navigation configuration items for each main page:

Main Page	First Navigation Item	Configuration Item
Account	Register	account-register
Network	Basic	network-basic
DSSKey/Dsskey (not applicable to W52P/W53P/W56P/W60P/CP930W-Base/W80B)	Line Key 1-6 (for CP960), Line Key 1-10 (for VP59/SIP-T58A), Line Key 1-11 (for SIP VP-T49G/SIP-T57W/T48U/T48G/T48S), , Line Key 1-9 (for SIP-T54W/T46U/T46G/T46S/T29G), Line Key 1-7 (for	linekey

Main Page	First Navigation Item	Configuration Item
	SIP-T53W/T53/T43U/T27G), Line Key 1-5 (for SIP-T42U/T42G/T42S/T41P/T41S), Line Key 1-3 (for SIP-T33P/T33G), Line Key (for SIP-T40P/T40G/T31P/T31G/T31/T23P/ T23G), Line Key (for SIP-T21(P) E2), Programmable key (for SIP-T30P/T30/T19(P) E2/CP860/CP920) Shortcut Key 1-6 (for CP960)	
Features	Forward&DND	features-forward
Settings	Preference	settings-preference
Directory	Local Directory	contacts-basic
Security	Password	password

For example, set the value of the configuration item “settings-preference” to be 1.

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



Sample2: Configuration items in the WebItemsLevel.cfg for the Register settings of Account page:

```
[ Account-Register ]
switch-account = 0
account_status = 0
line_active = 0
```

```

account_label = 11
display_name = 01
register_name = 03
user_name = 01
account_password = 12
enabled-outbound-proxy-server = 01
outbound-proxy-server = 01
backup-outbound-proxy-server = 01
NAT_traversal = 12
sip_server = 2
sip_server2 = 2
outbound-proxy-server-port = 2
backup-outbound-proxy-server-port = 2

```

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:

The screenshot shows the Yealink T46G web user interface. The 'Account' tab is selected, displaying configuration for 'Account 1'. The left sidebar has links for Register, Basic, Codec, and Advanced. The main content area shows the following configuration:

Field	Value
Register Status	Registered
Line Active	Enabled
Display Name	240161
Register Name	240161
User Name	240161
Enable Outbound Proxy Server	Enabled
Outbound Proxy Server 1	ylas.yealink.com
Outbound Proxy Server 2	
Proxy Fallback Interval	3600

The 'NOTE' section on the right contains the following information:

- Account Registration:** Registers account(s) for the IP phone.
- Server Redundancy:** It is often required in VoIP deployments to ensure continuity of phone service, for events where the server needs to be taken offline for maintenance, the server fails, or the connection between the IP phone and the server fails.
- NAT Traversal:** A general term for techniques that establish and maintain IP connections traversing NAT gateways. STUN is one of the NAT traversal techniques.

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

The screenshot shows the Yealink T46G web user interface with 'var' access level. The 'Account' tab is selected, displaying configuration for 'Account 1'. The left sidebar has links for Register, Basic, Codec, and Advanced. The main content area shows the following configuration:

Field	Value
Register Status	Registered
Line Active	Enabled
Label	240161
Display Name	240161
Register Name	240161
User Name	240161
Password	*****
Enable Outbound Proxy Server	Enabled
Outbound Proxy Server 1	ylas.yealink.com
Outbound Proxy Server 2	
Proxy Fallback Interval	3600
NAT	Disabled

The 'NOTE' section on the right contains the following information:

- Account Registration:** Registers account(s) for the IP phone.
- Server Redundancy:** It is often required in VoIP deployments to ensure continuity of phone service, for events where the server needs to be taken offline for maintenance, the server fails, or the connection between the IP phone and the server fails.
- NAT Traversal:** A general term for techniques that establish and maintain IP connections traversing NAT gateways. STUN is one of the NAT traversal techniques.

At the bottom of the 'NOTE' section, there is a link: "You can click here to get more guides."

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

The screenshot shows the Yealink T466 web user interface. The top navigation bar includes tabs for Status, Account, Network, DSSKey, Features, Settings, Directory, and Security. The 'Account' tab is selected. On the left, there is a sidebar with options: Register, Basic, Codec, and Advanced. The main content area is titled 'Account' and shows configuration for 'Account 1'. The configuration includes fields for Register Status (Registered), Line Active (Enabled), Label (240161), Display Name (240161), Register Name (240161), User Name (240161), Password (*****), SIP Server 1 (Server Host: ylas.yealink.com, Port: 5060, Transport: UDP, Server Expires: 3600, Server Retry Counts: 3), SIP Server 2 (Server Host: , Port: 5060, Transport: UDP, Server Expires: 3600, Server Retry Counts: 3), Enable Outbound Proxy Server (Enabled), Outbound Proxy Server 1 (Server Host: ylas.yealink.com, Port: 5060), Outbound Proxy Server 2 (Server Host: , Port: 5060), Proxy Fallback Interval (3600), and NAT (Disabled). A 'NOTE' section on the right provides additional information: 'Account Registration' (Registers account(s) for the IP phone), 'Server Redundancy' (It is often required in VoIP deployments to ensure continuity of phone service, for events where the server needs to be taken offline for maintenance, the server fails, or the connection between the IP phone and the server fails), and 'NAT Traversal' (A general term for techniques that establish and maintain IP connections traversing NAT gateways. STUN is one of the NAT traversal techniques). A link is provided to get more guides.

For more information on parameters of the WebItemsLevel.cfg file, refer to the latest *Yealink SIP IP Phones Description of Configuration Parameters for User Access Level.xlsx* for your phone on [Yealink Technical Support](#).

Phone/Handset User Interface

For DECT IP phones

The following shows configuration segments for the handset user interface in the WebItemsLevel.cfg file for reference:

If you set the access permission of the high level, it will have an impact on that of the low level. In the following examples, the Settings menu has a higher level than other submenus.

Example: Configuration items in the WebItemsLevel.cfg for Telephony submenu settings:

```
[ GUI ]

Auto_Answer = 01
Auto_Intercom = 02
Default_Line = 03
Incoming_Lines = 02
Speed_Dial = 0
```

Blacklist = 1

According to the above configuration of the access level:

For user access level, the Blacklist submenu is hidden. The Auto Answer, Auto Intercom, Default Line and Incoming Lines submenus are read-only. Only the Speed Dial submenu is writable.

For var access level, the Auto Intercom, Default Line and Incoming Lines submenus are read-only. The Auto Answer, Speed Dial and Blacklist submenus are writable.

For admin access level, only the Default Line submenu is read-only, the others are writable.

For more information on parameters of the WebItemsLevel.cfg file, refer to the latest *Yealink SIP IP Phones Description of Configuration Parameters for User Access Level.xlsx* for your phone on [Yealink Technical Support](#).

For other IP phones

The following shows configuration segments for the phone user interface in the WebItemsLevel.cfg file for reference:

If you set the access permission of the high level, it will have an impact on that of the low level. In the following examples, the call forward menu has a higher level than always forward/busy forward/no answer forward submenu.

Example1: Configuration items in the WebItemsLevel.cfg for call forward menu and its submenu settings:

```
[ GUI ]
callcontrol_forward = 02
always-forward = 10
busy-forward = 00
NoAnswer-forward = 00
```

Note: The configuration of busy forward is the same as the one of the no answer forward, so the following figures take busy forward as an example.

According to the above configuration of access level, when logging in to the phone user interface with user access level, the access permission of each submenu is displayed as below:

Always forward submenu is hidden for user access level:



A screenshot of a 'Call Forward' menu. The title bar is dark blue with the text 'Call Forward' in white. Below the title bar, there are two menu items: '1. Busy Forward' and '2. No Answer Forward'. The first item is highlighted with a blue background. At the bottom of the screen, there are four buttons: 'Back', a blank button, another blank button, and 'Enter'.

Busy forward/no answer forward submenu is read-only for user access level:



A screenshot of a 'Busy Forward' submenu. The title bar is dark blue with the text 'Busy Forward' in white. Below the title bar, there are four menu items: '1. Busy Forward:', '2. Forward to:', '3. On Code:', and '4. Off Code:'. The first item is highlighted with a blue background and shows the status 'Disabled' and navigation arrows. At the bottom of the screen, there are four buttons: 'Back', a blank button, another blank button, and a blank button.

When logging in to the phone user interface with var access level, the access permission of each submenu is displayed as below:

Always forward submenu is read-only for var access level:



A screenshot of an 'Always Forward' submenu. The title bar is dark blue with the text 'Always Forward' in white. Below the title bar, there are four menu items: '1. Always Forward:', '2. Forward to:', '3. On Code:', and '4. Off Code:'. The first item is highlighted with a blue background and shows the status 'Disabled' and navigation arrows. At the bottom of the screen, there are four buttons: 'Back', a blank button, another blank button, and a blank button.

Busy forward/no answer forward submenu is read-only for var access level:



A screenshot of a 'Busy Forward' submenu. The title bar is dark blue with the text 'Busy Forward' in white. Below the title bar, there are four menu items: '1. Busy Forward:', '2. Forward to:', '3. On Code:', and '4. Off Code:'. The first item is highlighted with a blue background and shows the status 'Disabled' and navigation arrows. At the bottom of the screen, there are four buttons: 'Back', a blank button, another blank button, and a blank button.

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

Always forward submenu is writable for admin access level:

The screenshot shows a configuration window titled "Always Forward". It contains four numbered settings:

- 1. Always Forward: Disabled (with left and right arrow icons)
- 2. Forward to: (empty text field)
- 3. On Code: (empty text field)
- 4. Off Code: (empty text field)

At the bottom, there are four buttons: "Back", an empty button, "Switch", and "Save".

Busy forward/no answer forward submenu is writable for admin access level:

The screenshot shows a configuration window titled "Busy Forward". It contains four numbered settings:

- 1. Busy Forward: Disabled (with left and right arrow icons)
- 2. Forward to: (empty text field)
- 3. On Code: (empty text field)
- 4. Off Code: (empty text field)

At the bottom, there are four buttons: "Back", an empty button, "Switch", and "Save".

Example2: Configuration items in the WebItemsLevel.cfg for call forward menu and its submenu settings:

```
[ GUI ]
callcontrol_forward = 00
always-forward = 01
busy-forward = 02
NoAnswer-forward = 00
```

According to the above configuration of access level, when logging in to the phone user interface with user access level, the access permission of each submenu is displayed as below:

Always forward submenu is read-only for user access level:

The screenshot shows a configuration window titled "Always Forward". It contains four numbered settings:

- 1. Always Forward: Disabled (with left and right arrow icons)
- 2. Forward to: (empty text field)
- 3. On Code: (empty text field)
- 4. Off Code: (empty text field)

At the bottom, there are four buttons: "Back", an empty button, an empty button, and an empty button.

The busy forward submenu is read-only for the user access level:

Busy Forward

1. Busy Forward: Disabled ◀ ▶

2. Forward to:

3. On Code:

4. Off Code:

Back

No answer forward submenu is writable for user access level:

No Answer Forward

1. No Answer Forward: Disabled ◀ ▶

2. Forward to:

3. After Ring Time: 12s ◀ ▶

4. On Code:

5. Off Code:

Back Switch Save

When logging in to the phone user interface with var access level, the access permission of each submenu is displayed as below:

Always forward submenu is writable for var access level:

Always Forward

1. Always Forward: Disabled ◀ ▶

2. Forward to:

3. On Code:

4. Off Code:

Back Switch Save

The busy forward submenu is read-only for var access level:



Busy Forward

1. Busy Forward: Disabled

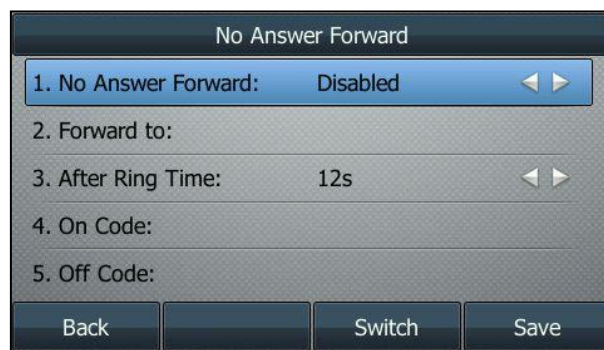
2. Forward to:

3. On Code:

4. Off Code:

Back

No answer forward submenu is writable for var access level:



No Answer Forward

1. No Answer Forward: Disabled

2. Forward to:

3. After Ring Time: 12s

4. On Code:

5. Off Code:

Back Switch Save

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

Always forward submenu is writable for admin access level:



Always Forward

1. Always Forward: Disabled

2. Forward to:

3. On Code:

4. Off Code:

Back Switch Save

The busy forward submenu is writable for admin access level:

No answer forward submenu is writable for admin access level:

Configuring Yealink IP Phones

User access level feature is disabled for all IP phones in neutral firmware version 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.

For SIP VP-T49G IP phone:

To configure user access level feature for Yealink IP phones:

1. Edit the following parameters in the configuration file (e.g., y0000000000051.cfg).

Parameters	Permitted Values	Default
security.var_enable	0 or 1	0
Description: This parameter is used to enable or disable the login of the web/phone user interface with different access levels. 0-Disabled		

Parameters	Permitted Values	Default
1-Enabled Note: It takes effect after reboot. Web User Interface: None Phone User Interface: None		
security.default_access_level	0, 1 or 2	0
Description: This parameter is used to configure 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). It takes effect after reboot. Web User Interface: None Phone User Interface: None		
web_item_level.url	FTP, TFTP, HTTP or HTTPS download URL	Blank
Description: This parameter is used to configure the access URL of the WebItemsLevel.cfg file. Note: It takes effect after reboot. Web User Interface: None Phone User Interface: None		

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/WebItemsLevel.cfg

security.default_access_level = 1

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 the latest Auto Provisioning Guide on [Yealink Technical Support](#).

For other IP phones:

To configure user access level feature for Yealink IP phones:

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

Parameters	Permitted Values	Default
static.security.var_enable	0 or 1	0
Description: This parameter is used to enable or disable the login of the web/phone/handset user interface with different access levels. 0-Disabled 1-Enabled Note: It takes effect after reboot. Web User Interface: None Phone User Interface: None		
static.security.default_access_level	0, 1 or 2	0
Description: This parameter is used to configure the default access level to access the phone/handset user interface. 0-user 1-var 2-admin Note: It works only if the value of the parameter “static.security.var_enable” is set to 1 (Enabled). It takes effect after reboot. Web User Interface: None Phone/Handset User Interface: None		

Parameters	Permitted Values	Default
static.web_item_level.url	FTP, TFTP, HTTP or HTTPS download URL	Blank
Description: This parameter is used to configure the access URL of the WebItemsLevel.cfg file. Note: It takes effect after reboot. Web User Interface: None Phone/Handset User Interface: None		

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

```
static.security.var_enable = 1
```

```
static.web_item_level.url = ftp://192.168.1.100/WebItemsLevel.cfg
```

```
static.security.default_access_level = 1
```

- Upload the configuration file to the directory of the provisioning server.
- Reference the configuration file in the boot file (e.g., y0000000000000000.boot).
include:config "ftp://192.168.1.100/features.cfg"
- Upload the boot file to the directory of the provisioning server.
- Configure the access URL of the provisioning server for the IP phone.
- Trigger the IP phone to perform auto provisioning.

The boot file is only applicable to IP phones running new firmware version (new auto provisioning mechanism). For more information on auto provisioning, refer to the latest Auto Provisioning Guide on [Yealink Technical Support](#).

Logging in the Web/Phone/Handset User Interface with Different Access Levels

When the user access level is enabled, you can log in the web/phone/handset user interface with different access levels.

To login the web user interface with different access levels:

- Press the **OK/√** key when the phone is idle to obtain the IP address.
 For CP930W-Base, W52P, W53P, W56P, and W60P, press the **OK->Status->Base** to obtain the IP address.
 For W80B, press the **OK->Status->DM** or **Menu->Status->DM Status** 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 the 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/Login** to log in.

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

To login the phone user interface with different access levels:

1. Press **Menu->UserMode**.
2. Press ◀ or ▶, or the **Switch** soft key to select the desired access level in the **User Type** field.
3. Enter the password in the **Password** field.



4. Press the **Save** soft key to accept the change.

You can see different permissions of the phone user interface when logging in with different access levels.

To login the handset user interface with different access levels:

1. Press **OK->User Mode**.
2. Press ◀ or ▶ to select the desired access level in the **User Type** field.
3. Enter the password in the **Password** field.
4. Press the **Save** soft key to accept the change.

You can see different permissions of the handset user interface when logging in with different access levels.

Customer Feedback

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