

# Yealink Sip Video Phone's Change Log of V40

## 1.Note

The updating of adding new features, optimizing features, fixing bugs in the document is related to VP2009 Elite series video phones.

## 2.Introduction

1. Firmware Version: 22.30.0.60 upgraded to 23.40.0.10
2. Product Name:VP2009P/VP2009T
3. Release Date: August 17,2011

### 3.New Features

1. Added new features of account settings: Auto Answer/Ring Tone/video
2. Added TV Output feature
3. Added Picture dial feature
4. Added SRTP feature
5. Added 3-way audio conference feature
6. Added BLF/BLF List feature
7. Added Zero SP Touch feature
8. Added upload of https certificate
9. Added DND&FWD synchronization function
10. Added MWI Count function
11. Added customization feature of contact image(avatar/face)
12. Added Work with SIP Door Phone feature
13. Added Work with SIP IP Camera feature
14. Added Dial Plan and Dial Now feature
15. Added feature of Touch-screen calibration
16. Added Anonymous Call and Anonymous Call Rejection feature
17. Added Hot Line(Off hook dialing) feature
18. Added secure transport protocol TLS
19. Added LDAP feature
20. Added strategy of screensaver exit
21. Added programmable feature of soft key

## 4.Optimization

1. Improved the upgrade mode and enhanced the success rate of upgrading
2. Optimized the response speed when accessing the phone on the interface, improving the user experience.
3. Added 30seconds to the Screen Saver time configuration options, and remove the options: 30minutes, 1hours, 2hours, 5hours
4. Added the option for Caller ID Header in the advanced configuration page of account
5. Added the option for SIP Server Type in the advanced configuration page of account
6. Added options to Main Desktop Option, to configure the main desktop of user
7. Changed the default input method of password to the abc mode
8. Changed the default location for the desktop clock, to avoid the IP View being covered
9. Added adjustment option for volumn to avoid the handset making over heavy voice
10. Added BusyToneDelay Option on the webpage, so as to control ringing time of the end call tone
11. Fixed up the issue that when A makes a call to B, the A party is hold by B party, the B party can't end the call.

## 5. Bug fixes

1. Fixed up the issue that the voice couldn't be heard at the time building up the call.
2. Fixed up the issue that the black screen maybe arise when pick up the incoming call under Mobotix platform.
3. Fixed up the issue that under the TV out video call situation, if the other part switches it to voice call, the local side does not quit TV out.
4. Fixed up the issue that the DTMF tone rings when press Del key to cancel the forwarding number after pressing "Forward" key.
5. Fixed up the issue that when making a PSTN call, the local side phone picks up the handset to answer the call and presses speaker to switch the voice channel as hands-free, while presses hold key, the voice channel will turn to handset.
6. Fixed up the issue that the phone pops up "No media found ..." in the idle status, if you touch the outside region of the prompt box, the phone will be crashed.
7. Fixed up the issue that when A makes a call to B and they talk with each other, but sometimes the voice of B will be cut off, causing intermittent call problem.
8. Fixed up the issue that when you make a voice call to the other side, and press DTMF during the call, after press other keys continuously, the other side will hear noise if the call is video mode, the phone will get stuck.
9. Fixed up the issue that when you make a full-screen video phone call, if the other party presses hold key to hold the call, while the local side phone will be stuck in full-screen status, meanwhile the screen turns black, the phone can't exit the stuck screen.
10. Fixed up the issue that when the auto answer parameter of the phone is configured as 5s. A and B make a call to the phone successively, if B hands up the call firstly, then A phone will auto answer the call, but if A hands up the call firstly, then B can't auto answer the call.
11. Fixed up the issue that the phone can't take effect when the Custom Option(128~254) parameter is set in the web Configuration page. The path of the phone webpage is Upgrade-->Advanced-->Custom Option(128~256).
12. Fixed up the issue that the upgrade will suffer failure under the same network environment when there are four video phones upgrade at the same time.
13. Fixed up the issue that the phone which sets as static IP address can't obtain the time from the specified NTP server, it faulted displays the original time after it reboots
14. Fixed up the issue that the phones always disconnect and try to reconnect repetitively in PPPoE connection mode.
15. Fixed up the issue that the phone can't do auto provision successfully by option66 mode with TFTP resource link.
16. Fixed up the issue that the quality of video conversation is not so high which caused by mosaic during video calls
17. Fixed up the issue that the dial-tone will be lost if you dial the phone number quickly
18. Fixed up the issue that the slow response of LDAP search

19. Fixed up the issue that the semi-attended transfer will fail which is under the 3CX PBX circumstance

## Instruction(New Features)

### 1. Added new features of account setting: Auto Answer/Ringing Tone/video

#### 1.1 Auto Answer:

##### 1.1.1 Webpage Path: Account→Account X→Auto Answer

On Code	
Off Code	
Auto Answer	Disable
Auto Answer Type	Directly
Ringing Tone	Default
Preferred Call Type	Video
Local Video	Open

**Instruction:** This feature allows users to enable the auto answer function of specified account according to their own needs. There are four types of auto answer: Directly, After 5 Seconds, After 15 Seconds, After 30 Seconds.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

##### 1.1.2 Screen Path: Main Menu→Call Feature→Auto Answer

Line 1 Line 2 Line 3 Line 4

Enable Auto Answer

Auto Answer Type

Directly

Hi

Auto Answer

Save Back

The setting of screen is the same as webpage, you can enable or disable this function of a specified line according to your needs.

#### 1.2 Ringing Tone:

**Webpage Path:** Account→Account X→ Ringing Tone

Auto Answer	Disable
Auto Answer Type	Directly
Ringing Tone	Default
Preferred Call Type	Video
Local Video	Open

**Instruction:** This feature allows users to configure different ringtone on different accounts, in order to identify which account has incoming call in accordance of the different ringtones. For example, you choose Ring1 for account1, and Ring8 for account2, when there is an incoming call to account1, the phone will ring ringtone1,The account2 is in the same way.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

### 1.3 Video:

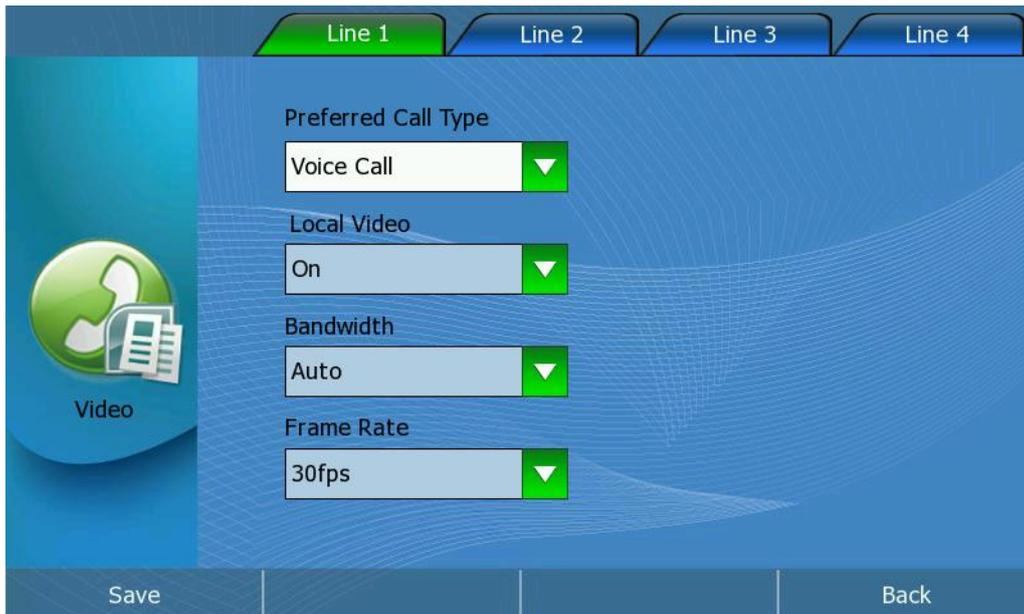
#### 1.1.1 Webpage Path: Account→Account→Account X→ Preferred Call Type

Auto Answer	Disable
Auto Answer Type	Directly
Ringing Tone	Default
Preferred Call Type	Video
Local Video	Voice
	Video
Missed Call Log	Enable

**Instruction:** This feature allows users to select the type of the call by default, video or voice. For example, if you configure the call type of account1 as voice, and configure the call type of account2 as video, so the account1 will dial out or answer a call with voice only acquiescently. In the same way, the account2 will dial out or answer a call with video and voice acquiescently.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

#### 1.1.2 Main Screen→Call Feature→Video



The setting of screen is similar to the webpage. The status of Local Video can be configured in accordance with different accounts. The status is on by default. If the "Local Video" is off, the local video will be closed, so the remote video region of the other side will be closed too. User can also configure the Bandwidth and Frame Rate for different accounts. The calls will take effect according to the settings of different accounts.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 2. Added TV Output feature:

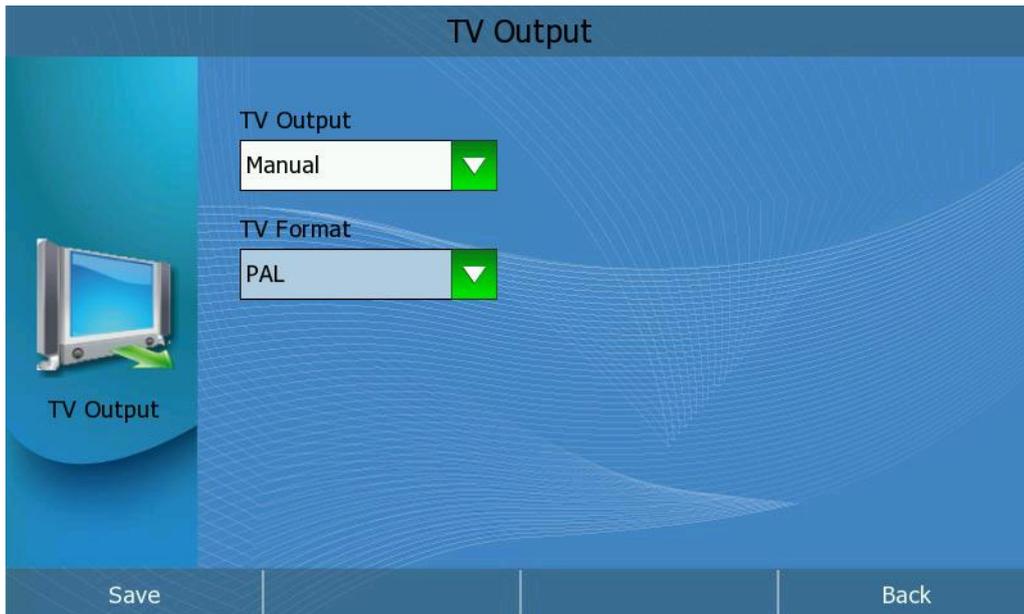
### 2.1 Webpage Path: Phone→Feature→ TV Output



**Instruction:** The "TV Output" is used to configure the video format of TV Output and configure the mode of outputting video call to the external equipment, by Manual or auto. If "TV Output" is auto mode, the video will be outputted to the external equipment automatically when the phone starts a video call. If "TV Output" is manual mode, you have to click "TV OutPut" to output the video to the external equipment manually.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

### 2.2 Main Menu→Call Feature→TV Output



**Instruction:** The setting of screen is the same as the describe of webpage.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

### 3. Add Picture dial feature

**Path:** Main Screen→Call Feature→Picture (You can also enter the Picture-dial Setting by click Picture Dial Desktop screen)



**Instruction:** This feature allows user to call out directly by touching the six icons of the picture dial screen after setting the corresponding values of the icon. You can enter the Picture Dial configure screen by the path listed above. For example you can configure the fifth icon, "Display Name": AA, the current "Account": auto, the dial out number: 1111, the default icon: son, and save the settings. The capture screen shows the result with the settings.

When you touch the “AA” icon, the call to 1111 will be build up directly and automatically.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)



#### 4. Add SRTP feature

**Webpage Path:** Account→Account X→Advanced→SRTP

H264 Payload	99	(97~127)
MPEG4 Payload	102	(97~127)
SIP Send MAC	Disabled	▼
SRTP	Off	▼
BLF List URL		

**Instruction:** The SRTP feature is used to encrypt the voice transmit. The setting of this feature is off by default, If SRTP is on, and the other party that you want to talk with must configure this feature on, too. So that the voice transmit can be encrypted during your communication. You will find a lock icon on the phone screen which means the whole communication is encrypted.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

#### 5. Added 3-way audio conference feature

**Instruction:** This feature supports 3-way audio conference. You can press conference key to make a new voice call in order to invite another party to take part in the conference, after the third party answers the call, and then you press conference key again to establish 3-way audio conference. You can press conference key to establish 3-way audio conference when the phone has two or more channel calls.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**6. Add BLF/BLF List feature**

**6.1 Webpage Path:** Phone→Dss Key(Setting Dss Key as BLF or BLF List)

Key	Type	Line	Label	Value	Extention
DSS Key 1	BLF	Line1	aaa	705	*87
DSS Key 2	None	Auto			
DSS Key 3	BLF list	Line1			
DSS Key 4	None	Auto			

**6.2 Webpage Path:** Account→Account X→Advanced(Only for BLF List function)

SRTP  Off

BLF List URL

BLF List Code

BLF Subscribe Period(seconds) 1800

SIP Server Type  Default

**Instruction:** BLF and BLF List features are used to monitor the account’s state, Merely they achieve this function on the different platforms. BLF List is based on Broadsoft platform. You can choose one of the two types on the webpage, BLF or BLF List. If you choose BLF, select the line, fill in the parameters, “Lable”, “Value” and “Extention”, so that you can monitor the status of the extension. If you fill the special code which specified by the PBX in the “Extention”, such as \*87, as the screen capture shows, when there is a new incoming call to 705, you can press the corresponding dsskey to pick up the incoming call. If the phone is on idle status, you can press this dsskey to call to the 222 extension.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**6.3 Main Menu→Call Feature→DSS Key**

**DSS Key Setting**

DSS Key 01

Type  None

Line  Auto

Label

Value

Extension

Save Back

**Instruction:** You can configure the Dsskey as the settings of webpage. Note that you must configure the related parameter options on the Broadsoft server to achieve this function. All the Dsskeys' state can be referred here, shown on the screen capture below:



**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 7. Added Zero SP Touch feature

**Webpage Path:** Update→Advanced→ Zero SP Touch

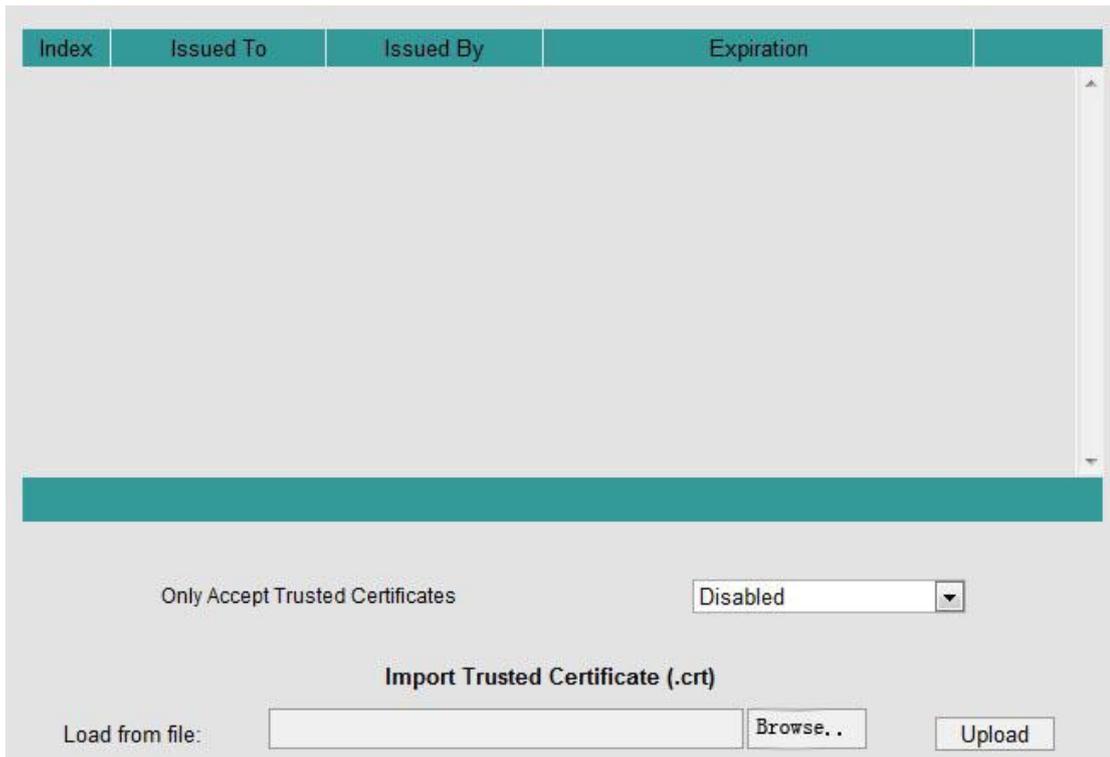
Zero Sp Touch	
Zero-Sp-Touch	Disabled
Waiting Time (1~100s)	5

**Instruction:** Zero-Sp-Touch feature is used to configure the network parameters, PPPoE or auto provision parameters fleetly for user. After you enable this function and configure the waiting time for it, the phone will enter Zero-Sp-touch configuration screen during the reboot procedure. You can configure the related parameters according to your needs. The settings will take effect after it start up.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 8. Added upload of https certificate

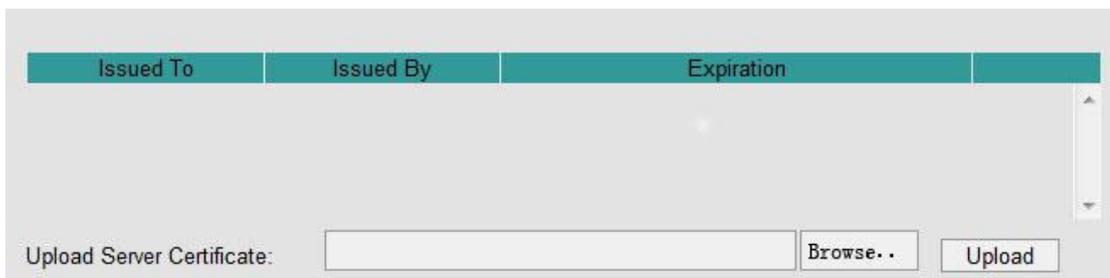
**8.1 Webpage Path:** Security→Trusted Certificates



**Instruction:** When the phone initiates SSL connection, we treat it as a client, and it can use the certificate to authenticate whether the server is credible.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 8.2 Webpage Path: Security → Server Certificates



**Instruction:** When we access the phone's webpage by HTTPs mode, we treat the phone as a server. The phone will send trusted certificates to the browser during the authentication.

## 9. Added DND&FWD synchronization function

**Webpage Path:** Phone → Feature → Feature Key Synchronization

General Information	
Direct IP Call	Enabled
Key As Send	#
Reserve # in User Name	Disabled
Feature Key Synchronization	Disabled
Transfer on Conference Hang up	Disabled

**Instruction:** This feature is developed on Broadsoft platform. So the testing need be depend on the accounts of Broadsoft. If "Feature Key Synchronization" is on, you will find DND or Forward status is "on" on the Broadsoft's webpage when the phone enables DND or Forward. In the same way, you also can find the state of DND or Forward function of the phone is synchronized if the corresponding feature is enabled or disabled on the Broadsoft server.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

#### 10. Added MWI Count function

Screen Path: Main Menu→Message

Account	IP Address	Voice Mail Status
991@10.2.1.199		Voice Mail(0 new 0 old)
Account2		Voice Mail(0 new 0 old)
371@10.1.3.45		Voice Mail(0 new 0 old)
992@10.2.1.199		Voice Mail(0 new 0 old)

**Instruction:** This feature makes it more convenience for user to browse voice mail and check the new and history voicemail record of related accounts on the phone.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

#### 11. Added customizable feature of contact image

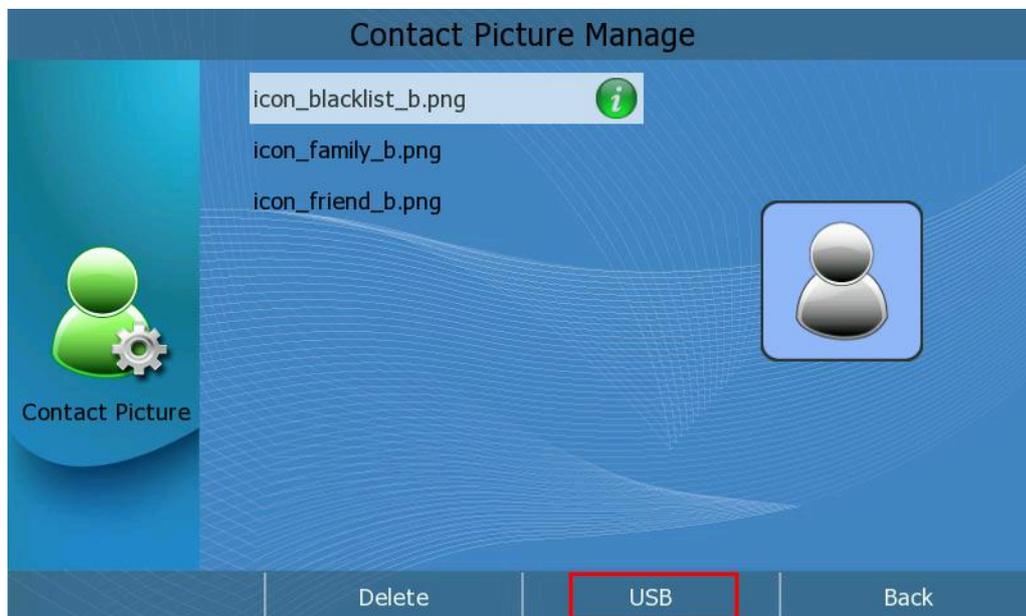
11.1 Webpage Path: Contacts→Local Phonebook

Display Name	<input type="text"/>	
Office Number	<input type="text"/>	
Mobile Number	<input type="text"/>	
Family Number	<input type="text"/>	
Group Name	Anonymous	
Contact Picture	Default	
<input type="button" value="Add"/>		<input type="button" value="Delete"/> <input type="button" value="Browse.."/> <input type="button" value="Upload"/>

**Instruction:** This feature is used to upload the images or specify a default avatar for the contacts, With this feature, we can distinguish the contacts by their unique avatar and this takes much convenience.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

### 11.2 Screen Path: Main Menu→Media→Contact Picture



**Instruction:** The function of importing the contact image from the USB or SD card is similar to upload the image by webpage. You can only insert USB or SD card to the phone, and enter the screen capture shown above by the related path, you can choose or click Contact Image button to import contact image for use.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 12. Added Work with SIP Door Phone feature

### 12.1 Webpage Path: Phone→Door Phone

**Instruction:** This feature is used to remote control the door phone which is external equipment. After you communicate with the visitor by the video phone, you can open the door for the visitor who makes a call to the video phone. You should configure the door phone parameters on the webpage, including display name of the door phone, for example AA, phone number and the Unlock PIN of the lock and so on. When there is an incoming call to the door phone, you will find a new call to AA that displays on the video phone, and the icon shows it is from the door phone.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

12.2 Main Menu→Application→Door Phone→DP 1(Or DP 2)

**Instruction:** The setting of screen is the same as the webpage. Please refer to the previous details.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**13. Added Work with SIP IP Camera feature**

**13.1 Webpage Path:** Phone→IP Camera

**Instruction:** This feature is used to remote control the IP camera which is external equipment or other types of external video equipment. Firstly, you should configure the IP camera parameters, such as Display Name, Phone Number, Access PIN and so on. For instance, you can configure one IP camera like this, the display name is Amy, phone number is 4321, and saving the configuration you made. You can make a call to 4321 if you click the icon of Amy, and you will enter the remote control screen, the video image from the IP camera will display on the screen of the phone.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**13.2 Main menu→Application→IP Camera→IP Camera01 (IP Camera02)**

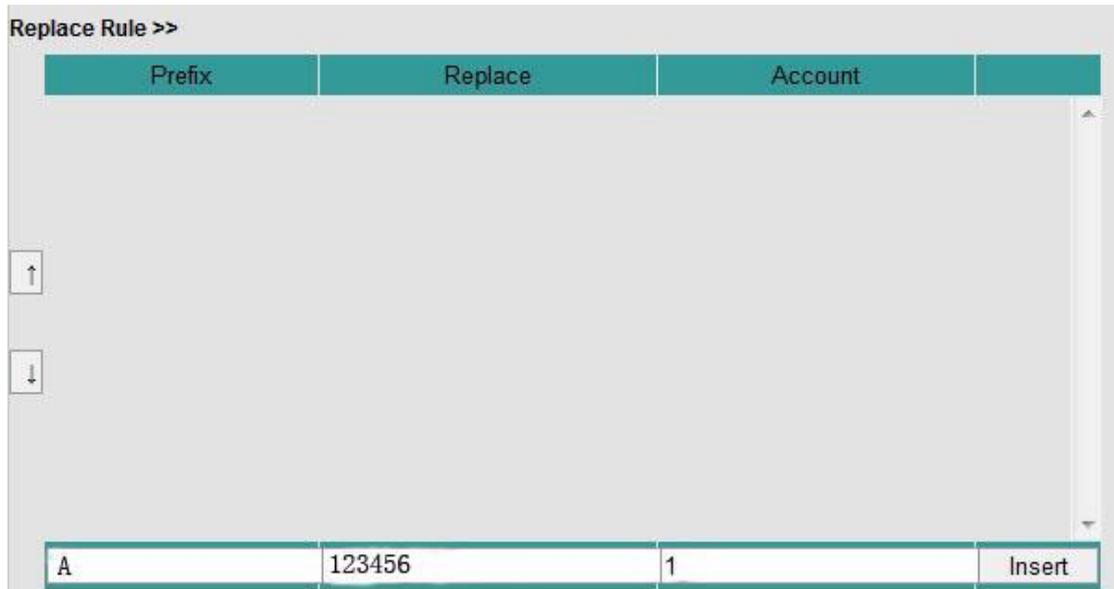
**Instruction:** The setting of screen is the same as the webpage. Please refer to the previous

details.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**14. Added Dial Plan and Dial Now feature**

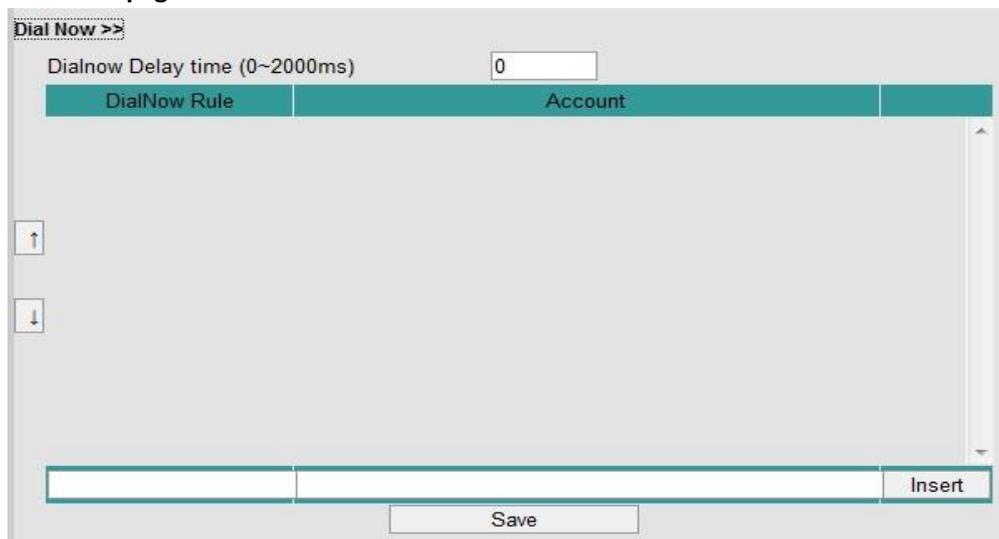
**14.1 Webpage Path:** Phone→Dial Plan→Replace Rule



**Instruction:** As the picture shows above, Users can use a simple number to replace the complex number or a frequently-used number. The different accounts can have different settings. For example, when “A” is configured to replace the “123456” on account1, the phone will dial out 123456 when users dial “A” on account1. If users dial out “A” on the account2, the phone will dial out “A” without the replacing.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**14.2 Webpage Path:** Phone→Dial Plan→Dial Now

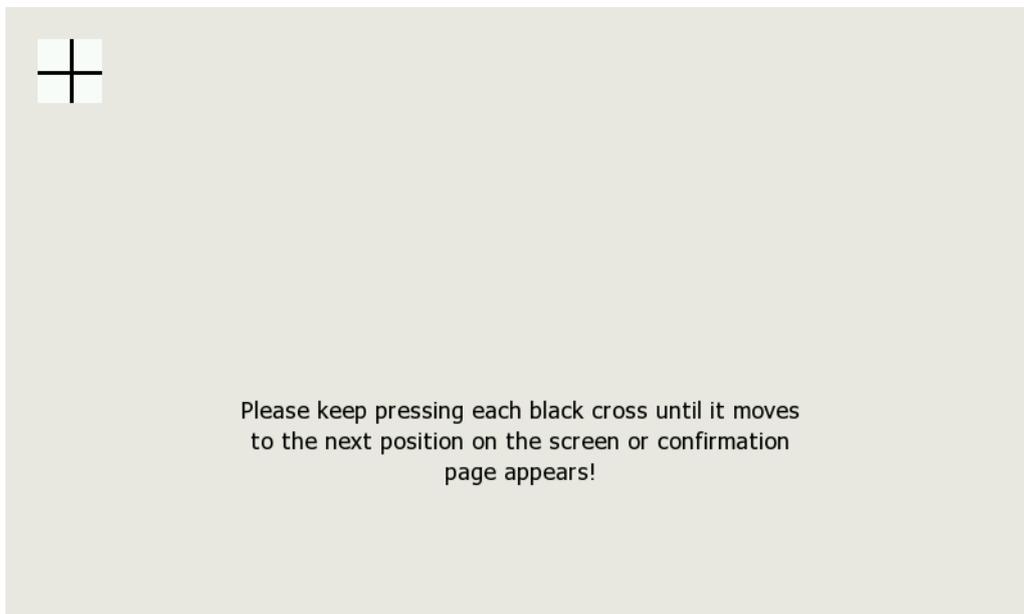


**Instruction:** As the picture shows above, Users can configure the dial-now number of outgoing according to their needs. You can set up different accounts to achieve the dial-now function. With this feature, the phone can dial out the number immediately when the number is the same as the number configured on the DialNow rule. For example, fill in the DialNow Rule with "0147" and the delay time with 10s. The phone will dial out "0147" immediately when inputting "0147" on the pre-dial interface and without any other operations in ten seconds.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 15. Added Touch-screen calibration feature

**Path:** Main Menu→Setting→Calibration



**Instruction:** Touch screen calibration function is used to solve the inaccurate orientation problem resulted from the different touch behavior on the screen by different users.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 16. Added Anonymous Call and Anonymous Call Rejection features

**16.1 Webpage Path:** Account→Account X

Transport	UDP
Anonymous Call	Off
On Code	
Off Code	
Anonymous Call Rejection	Off
On Code	
Off Code	
Auto Answer	Disable

**Instruction:** As the picture shows above, If you enable the anonymous call, when you make a call, the other party will display neither your name nor your number. If “anonymous call rejection” is enabled, when there is an anonymous call, the phone will reject the call automatically. Anonymous call and anonymous call rejection features can also be turn on or off via the server. Fill in the corresponding feature codes (On code and Off code), the phone will send the corresponding feature codes to the server automatically to turn on or off the feature. Note that the feature requires the server’s support and it is usually configured on different accounts individually.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**16.2 Main Screen→Call Feature→Anonymous Call**

**17. Added Hot Line(Off hook dialing) feature**

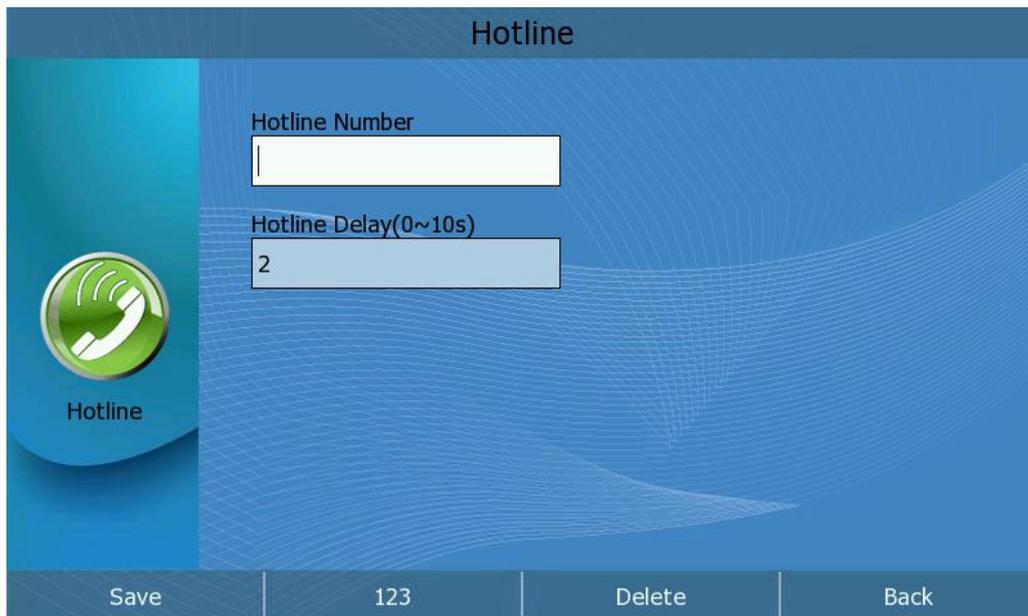
**17.1 Webpage Path:** Phone→Feature→Hotline

Hotline	
Hotline Number	<input type="text"/>
Hotline Delay (0~10s)	<input type="text" value="2"/>

**Instruction:** As the picture shows above, input the “Hotline Number” and the “hotline Delay” (The value is 2s by default), the hotline number will be dialed out automatically when we pick up the handset or press hand-free key without any operations during “Hotline Delay” time.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**17.2 Screen Path:** Main Menu→Call Feature→Hotline

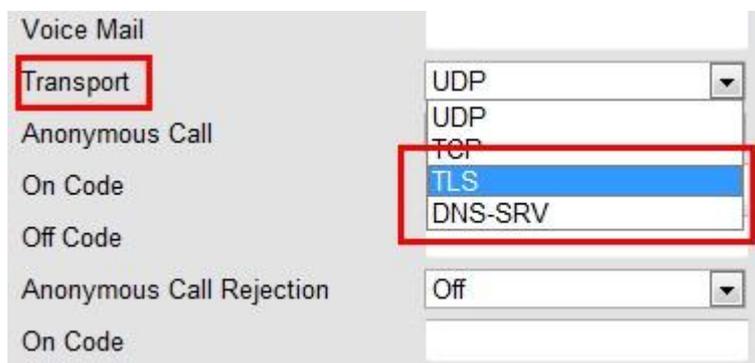


**Instruction:** The setting of screen is the same as the webpage. Please refer to the previous details.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

**18. Added the support of secure transport protocol: TLS**

**Webpage Path:** Account→Account X



**Instruction:** TLS, transport layer security, encrypts the data on the TCP layer and prevents the SIP signal from being cracked. There will be an Encryption icon in the screen when

dialing up and dialing out a call. On the other party, the phone wouldn't show the encryption icon.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 19. Added LDAP feature

**Webpage Path:** Contacts→LDAP

LDAP	Disable
LDAP Name	
LDAP Name Filter	
LDAP Number Filter	
Server Address	
Port	389
Base	
User Name	
Password	
Max.Hits(1~32000)	50
LDAP Name Attributes	
LDAP Number Attributes	
LDAP Display Name	
Search Delay(ms)(0~2000)	1000
Protocol Version	Version 3
LDAP Lookup For Incoming Call	Enable
LDAP Lookup For PreDial/Dial	Disable
LDAP Sorting Results	Enable

**Instruction:** Through the application of LDAP function, it is easy and convenient for the user to get contacts from the server and users can easily call others. After configuring the LDAP parameters, as shown above, when you input the searching number on dial-up/pre-dial interface, we can see the result in the phone UI. On the other hand, the phone UI will display the info of the contact when there is an incoming call. We also can search the contacts through the phone UI with the path: Contacts→LDAP.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)

## 20. Added new strategy for screensaver exit

**Webpage Path:** Phone→Feature→Key Event When Screensaver

Main Desktop Option	Auto	▼
Key Event When Screensaver	Quit And Response	▼
Backlight Time	1minute	▼

**Instruction:** When you choose the option “Quit and response” and as the phone is in screensaver or dormant status, press a number key, then the phone will quit screensaver status and show the corresponding number in the phone’s UI. When press any other keys except number keys, the phone will quit screensaver or dormant status only.

When you choose the option “Quit only” and as the phone is in screensaver or dormant status, no matter which key you press, the phone will quit screensaver or dormant status only.

**Detail:** Please refer to V40 User Manual for details, [Click here to download the newest User manual from yealink website page.](#)