

Auto Provision Manual

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1.1 Summary

The presented document will show you how auto provision works and how to make auto provision work. The process of a successful auto provision is:

1. Obtain a server address in which store the configuration files.
2. Download the configuration files from the configured server.
3. Resolve and apply the configurations written in the configuration file.
4. Do other updates, for example the firmware updating.

2.1 Obtain the server address

When the phone boots up, it will go by the following process to try to obtain the server address:

Zero-Sp-Touch → PnP server → DHCP custom option → DHCP option 66 → DHCP option 43 → Phone Flash

The following are the details of each process:

2.1.1 Pushed by Zero-Sp-Touch

Zero-Sp-Touch is a function can help users to configure Auto Provision and network parameters quickly.

The screenshot shows the 'Network' configuration page. The 'Basic' tab is selected. The 'Zero Active' setting is set to 'Enabled' with a 'WaitTime' of '5'. The 'Auto provision' button is visible. The 'Export / Import Config' section has a file selection button and 'Import'/'Export' buttons. The 'Export System Log' dropdown is set to 'Local'. A 'NOTE' section on the right explains the 'Custom Option' and 'AES Key' settings.

After this function is enable, there will be a Config Guide on LCD during the booting up process. User can make the Auto Provision configuration within the Wait Time.

2.1.2 Pushed by PnP servers

The screenshot shows the 'Advanced' configuration page for a Yealink device. The 'PnP config' dropdown menu is set to 'Enabled' and is highlighted with a red rectangular box. Other visible settings include 'Custom Option' (128 ~ 254), 'Custom Option Type' (String), 'URL', 'Account', 'Password', 'Common AES Key', 'MAC-Oriented AES Key', 'Check New Config' (Disabled), 'Click this button to auto provision immediately' (Auto provision), 'Export / Import Config' (with a file browser button), 'Export System Log' (Local), and 'PCAP Trace' (Start, Stop, Export). A 'NOTE' section on the right provides additional information: 'Custom Option' (Specify the DHCP Option that you want to use for provisioning), 'AES Key' (It is provided by ISP), and 'Export/Import Config' (Export the configuration files to backup the settings, and could import all the settings after reset).

Note: Plug 'n Play (PnP) provides a proprietary method to enable "Auto Provisioning". If **PnP config** is Enabled, the phone will send SIP SUBSCRIBE messages to a multicast address when it boots up. Any SIP server understanding that message will reply with a SIP NOTIFY message containing the Auto Provisioning Server URL where the phones can request their configuration. Modern SIP PBXs/Proxies can provide the PnP configuration data. Please refer to the manual of your PBX/Proxy. This kind of auto provision is mainly used under some possible circumstance like your phones have no default provisioning server set and are not able to detect DHCP options (when they use static IP address). Pay attention to the point that **PnP config** has the highest priority in obtaining the provisioning server address and if it fails to get any information from PnP servers, it won't go to other processes. **In V50 firmware or higher, it will go to the other processes.**

2.1.3 Detect DHCP custom option.

It must be configured on the phone by web management:

The screenshot shows the 'Advanced' configuration page for a Yealink device. The 'Custom Option' field is highlighted with a red box, indicating it is a required field. The value '150' is entered, and the range '(128 ~ 254)' is shown. The 'Custom Option Type' is set to 'String'. Other configuration options include URL, Account, Password, Common AES Key, MAC-Oriented AES Key, PNP config (Enabled), Check New Config (Disabled), Auto provision button, Export / Import Config (with a file browser button), Import/Export buttons, Export System Log (Local), and PCAP Trace (Start/Stop/Export buttons). A 'NOTE' section on the right provides additional information about the Custom Option, AES Key, and Export/Import Config options.

Note: A valid **Custom Option** is from 128 to 254. The **Custom Option Type** must be in accordance with the one defined in the DHCP server.

2.1.4 Detect DHCP Option 66.

Yealink phones will check this option by default. If the phone fails to get any information from DHCP Option 66, it will go to detect DHCP Option 43.

2.1.5 Detect DHCP Option 43.

Yealink phones will check this option by default. If the phone fails to get any information from DHCP Option 43 and **Check New Config** is not Disabled, it will go to detect the phone flash.

2.1.6 Detect the phone flash.

The value is what you can read from the web management of the phone:

Status	Account	Network	Phone	Contacts	Upgrade	Security
Basic Advanced						
Custom Option	<input type="text" value=""/> (128 ~ 254)					
Custom Option Type	String					
URL	<input type="text" value="http://192.168.0.231/update/"/>					
Account	<input type="text" value="Vin"/>					
Password	<input type="password" value="..."/>					
Common AES Key	<input type="text" value=""/>					
MAC-Oriented AES Key	<input type="text" value=""/>					
PNP config	Disabled					
Check New Config	Disabled					
Click this button to auto provision immediately	<input type="button" value="Auto provision"/>					
Export / Import Config	<input type="text" value=""/> 浏览... <input type="button" value="Import"/> <input type="button" value="Export"/>					
Export System Log	Local <input type="button" value="Export"/>					
PCAP Trace	<input type="button" value="Start"/> <input type="button" value="Stop"/> <input type="button" value="Export"/>					
<input type="button" value="Confirm"/> <input type="button" value="Cancel"/>						

NOTE

Custom Option
Specify the DHCP Option that you want to use for provisioning. Refer to Auto Provision Manual for details about provisioning.

AES Key
It is provided by ISP.

Click this button to auto provision immediately
Click this button to auto provision immediately.

Export/Import Config
Export the configuration files to backup the settings, and could import all the settings after reset.

System Log
There are two methods to export the system log, Local or Server.

Note: This process depends on the setting of **Check New Config** and if it is set to be **Disabled**, the phone won't detect the FLASH. The supported protocols of a **URL** are: HTTP/HTTPS/FTP/TFTP. **Account** and **Password** will be used to access to the URL if required. FTP server always has this requirement. For example, the following settings will make the phone access to FTP server 192.168.0.231, using account Vin and Passwords 123 (on the web it is hid by 3 points), when the phone powers on. If the phone fails to get any information from phone flash, the current round of obtaining server address will stop here.

Status	Account	Network	Phone	Contacts	Upgrade	Security
Basic Advanced						
Custom Option	<input type="text" value=""/> (128 ~ 254)					
Custom Option Type	String					
URL	<input type="text" value="ftp://192.168.0.231/"/>					
Account	<input type="text" value="Vin"/>					
Password	<input type="password" value="..."/>					
Common AES Key	<input type="text" value=""/>					
MAC-Oriented AES Key	<input type="text" value=""/>					
PNP config	Disabled					
Check New Config	Power on					
Click this button to auto provision immediately	<input type="button" value="Auto provision"/>					
Export / Import Config	<input type="text" value=""/> 浏览... <input type="button" value="Import"/> <input type="button" value="Export"/>					
Export System Log	Local <input type="button" value="Export"/>					
PCAP Trace	<input type="button" value="Start"/> <input type="button" value="Stop"/> <input type="button" value="Export"/>					
<input type="button" value="Confirm"/> <input type="button" value="Cancel"/>						

NOTE

Custom Option
Specify the DHCP Option that you want to use for provisioning. Refer to Auto Provision Manual for details about provisioning.

AES Key
It is provided by ISP.

Click this button to auto provision immediately
Click this button to auto provision immediately.

Export/Import Config
Export the configuration files to backup the settings, and could import all the settings after reset.

System Log
There are two methods to export the system log, Local or Server.

2.2 Download configuration files

There are 2 configuration files both of which are CFG formatted that the phone will try to download from the server during provisioning. We call them Common CFG file and MAC-Oriented CFG file. The Common CFG file will be effectual for all the phones of the right model. However, a MAC-Oriented CFG file will only be effectual for the specific phone which can be told by its MAC address. A common CFG file has a fixed name for each model while a MAC-Oriented CFG file is named after a MAC address of the specific phone. The names of the Common CFG file for each model are:

T28: y0000000000000.cfg

T26: y0000000000004.cfg

T22: y0000000000005.cfg

T20: y0000000000007.cfg

T12: y0000000000008.cfg

T18: y0000000000009.cfg

There are 11 zeros between the letter y and the last number. Except 0 for T28 which is special, the last number for other models is decided by the hardware version of the relevant model, for it is the first number of the hardware version of the model. For instance, for a T22 whose MAC address is 001565113af8, the 2 configuration files for it will be: y0000000000005.cfg and 001565113af8.cfg.

To have this name division on configuration files will help when doing same auto provision to mass phones. For example, assumed that you have 1000 pieces of T28 and you want to update firmware for all phones, you just need to prepare only one y0000000000000.cfg which defines the firmware update request, then put it onto the provisioning server.

Note: In case that the phone is on a live call, it will keep on asking for the CFG files with an interval of 30 seconds for up to 2 hours.

2.3 Resolve and apply the configurations

If the downloaded configuration files have been AES encrypted, the AES Keys will be needed. The **Common AES Key** is for decrypting the Common CFG file. The **MAC-Oriented AES Key** is for decrypting the MAC-Oriented CFG file. The keys must be 16 bytes and the supported characters are: 0 ~ 9, A ~ Z, a ~ z and the following special characters: # \$ % * + , - . : = ? @ [] ^ _ { } ~

Status	Account	Network	Phone	Contacts	Upgrade	Security
Basic Advanced						
Custom Option	<input type="text" value=""/> (128 ~ 254)					
Custom Option Type	String					
URL	<input type="text" value=""/>					
Account	<input type="text" value=""/>					
Password	<input type="text" value=""/>					
Common AES Key	1234567890123456					
MAC-Oriented AES Key	1234567890123456					
PNP config	Disabled					
Check New Config	Disabled					
Click this button to auto provision immediately	Auto provision					
Export / Import Config	<input type="text" value=""/> 浏览...					
	Import					Export
Export System Log	Local					
	Export					
PCAP Trace	Start					Stop
						Export
					Confirm	Cancel

NOTE

Custom Option
Specify the DHCP Option that you want to use for provisioning. Refer to Auto Provision Manual for details about provisioning.

AES Key
It is provided by ISP.

Click this button to auto provision immediately
Click this button to auto provision immediately.

Export/Import Config
Export the configuration files to backup the settings, and could import all the settings after reset.

System Log
There are two methods to export the system log, Local or Server.

In a CFG file, there are texts defining configurations. Here's a brief description to the texts. Take the AES_KEY section in the following picture for example.

Tel: +86-592-5702000
Fax: +86-592-5702455

2.4 Do other updates

It depends on the texts written in the CFG files to decide whether to make other updates. There are mainly the following other updates:

2.4.1 Upload ringtone

The section defining request for ringtone upload in the CFG files:

```
#####
[ ringtone ]
path = /tmp/download.cfg
server_address =
#####
```

The server_address must link to a .wav file. The wav file should not be larger than 100kB.

For example: <ftp://Vin:123@192.168.0.231/Ring20.wav>

2.4.2 Update LCD language

The section defining request for language update in the CFG files:

```
#####
[ Lang ]
path = /tmp/download.cfg
server_address =
#####
```

The server_address must be like *serverAddress/lang-*.txt*. For example:

<http://192.168.0.231/provision/lang-German.txt>

And note that it does not enable you to add new languages. It just enables you to modify the existent languages. Please refer to another manual for details on this point - **How to modify the language by auto provision**

2.4.3 Upload local contacts

The section defining request for contact update in the CFG files:

```
#####
[ ContactList ]
path = /tmp/download.cfg
server_address =
#####
```

An example of server_address: <http://192.168.0.132:9/provision/contactData1.xml>

Note that the name has to be contactData1.xml.

The format of the XML file is different from the file which you use in “remote phone book”. It’s the same as

the “Local phone book”. You can export an existed local phone book to see what the format is exactly.

2.4.4 Update firmware

The section defining request for firmware update in the CFG files:

```
#####
[ firmware ]
path = /tmp/download.cfg
server_type =
server_ip =
server_port =
login_name =
login_pswd =
http_url =
firmware_name =
#####
```

An example:

```
[ firmware ]
path = /tmp/download.cfg
server_type = ftp
server_ip = 192.168.0.231
server_port = 21
login_name = Vin
login_pswd = 123
http_url = http://192.168.0.231/T28/
firmware_name = 0.0.0.143.rom
```

The above section will make the phone access to ftp server *192.168.0.231*, using port *21*, user name “*Vin*” and password “*123*” to download the *0.0.0.143.rom*. And if the *server_type = http*, it will go to <http://192.168.0.231/T28/> to download the *0.0.0.143.rom* and then update.

2.4.5 Upload LCD logo

The section defining request for uploading LCD logo in the CFG files:

```
#####
[ Logo ]
path = /tmp/download.cfg
server_address =

[ Features ]
path = /config/Features/Phone.cfg
LCD_Logo = 2
#####
```

An example:

[Logo]

path = /tmp/download.cfg

server_address = <http://192.168.0.231/T28/logo.dob>

[Features]

path = /config/Features/Phone.cfg

LCD_Logo = 2

The above section will make the phone access to the HTTP server to get the dob file and after provision, the new logo will be used.

Note that the logo should be of DOB format and within the size limit:

T28: not larger than 236 * 82

T26/T22/T12: not larger than 132*64

2.4.6 Upload and delete Trusted Certificates

1. The section defining request for uploading Trusted Certificates:

```
#####
[ TrustedCertificates ]
path = /tmp/certificate0.crt
server_address =
```

It support up to 10 certificates, user can use “/tmp/certificate0.crt” to “/tmp/certificate9.crt” for uploading two or more Certificates.

An example of uploading three certificates:

```
[ TrustedCertificates ]
path = /tmp/certificate0.crt
server_address = tftp://10.1.0.27/ca.crt
[ TrustedCertificates ]
path = /tmp/certificate1.crt
server_address = tftp://10.1.0.27/cb.crt
[ TrustedCertificates ]
path = /tmp/certificate2.crt
server_address = tftp://10.1.0.27/cc.crt
```

2. The section defining request for deleting the trusted certificates that were uploading through Auto Provision:

```
#####
[ TrustedCertificates ]
path = /tmp/download.cfg
option = delete
server_address = localhost/Name.crt
#####
```

An example of deleting certificates which named “certificate0.crt”:

```
[ HttpsTrustedCert ]
path = /tmp/delete_crt
server_address = localhost/certificate0.crt
```

3. The section defining request for deleting all trusted certificates at the same time:

```
#####
[ TrustedCertificates ]
path = /tmp/download.cfg
option = delete_all
#####
```

Note: The certificates that upload through web setting page only can be remove through web setting page.

2.4.6 Upload and delete Server Certificates

1. The section defining requests for server certificates upload in the CFG files:

```
#####
[ ServerCertificates ]
path = /tmp/server.pem
server_address =
#####
```

An example:

```
[ ServerCertificates ]
path = /tmp/ server.pem
server_address = tftp://10.1.0.27/server0.pem
```

2. The section defining request for deleting the server certificate that was uploaded through Auto Provision:

```
#####
[ ServerCertificates ]
path = /tmp/server.pem
option = delete
server_address = localhost/server.pem
#####
```

2.5 Description of configuration parameters in CFG file

Section Header and Path	Parameters	Permitted Values	Descriptions
[autop_mode] path = /config/Setting/autop.cfg	mode	0,1,4,5,6,7	It defines the value of Check New Config . 0:Disabled 1:Power on 4:Repeatedly 5:Weekly 6:Power on + Repeatedly 7:Power on + Weekly The default is 0.
	schedule_min	1 to 43200	It is available when mode is 4 or 6.It stands for the interval time (by minutes) of checking new config.
	schedule_dayofweek	0,1,2,3,4,5,6 or a combination of these numbers	It is available when mode is 5 or 7.It defines the day of week when there's a need to check new config. If it is set to be 0123456, it means every day. 0:Sunday 1:Monday 2:Tuesday 3:Wednesday 4:Thursday 5:Friday 6:Saturday
	schedule_time	Time as 19:45	It is available when mode is 5 or 7.It means the phone will check new config at a time between schedule_time and schedule_time_end on a specified day every week.
	schedule_time_end	Time as 19:45	
[PNP] path = /config/Setting/autop.cfg	Pnp	0 or 1	It defines the value of PNP config . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[cutom_option] path = /config/Setting/autop.cfg	cutom_option_code0	Integer from 129 to 254	It defines the Custom Option . The default is blank.
	cutom_option_type0	0 or 1	It defines the Custom Option Type .. 0 stands for IP Address. 1 stands for String. The default is 1.

[AES_KEY] path = /config/Setting/autop.cfg	aes_key_16	16-byte String	It defines the Common AES Key which is used for decrypting the common CFG file. Besides 0 ~ 9, A ~ Z, a ~ z, the valid characters include the following special ones: # \$ % * + , - . : = ? @ [] ^ _ { } ~
	aes_key_16_mac	16-byte String	It defines the MAC-Oriented AES Key which is used for decrypting the MAC-OrientedCFG file. The valid characters are the same as aes_key_16 .
[autoprovision] path = /config/Setting/autop.cfg	server_address	HTTP/HTTPS /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server.
	user	String	It defines the Account which may be used when the access to the URL requires authentication.
	password	String	It defines the Password which may be used when access to the URL requires authentication.
[account] path = /config/voip/sipAccount0.cfg	Enable	0 or 1	It defines the Line Active value of account1. 0 stands for off 1 stands for on The default is 0.
	Label	String	It defines the Label of account1. The default is blank.
	DisplayName	String	It defines the Display Name of account1. The default is blank.
	AuthName	String	It defines the Register Name of account1. The default is blank.
	UserName	String	It defines the User Name of account1. The default is blank.
	password	String	It defines the Password of registration for account1. The default is blank.
	SIPServerHost	Domain name or IP Address	It defines the SIP Server of account1. The default is blank.
	SIPServerPort	Integer	It defines the Port of the SIP Server of account1. The default is 5060.
	UseOutboundProxy	0 or 1	It defines the value of Enable Outbound Proxy Server of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	OutboundHost	Domain name or IP Address	It defines the Outbound Proxy Server of account1.

			The default is blank.
	OutboundPort	Integer	It defines the Port of the Outbound Proxy Server of account1. The default is 5060.
	Transport	0,1,2 or 3	It defines the value of Transport of account1. 0 stands for UDP. 1 stands for TCP. 2 stands for TLS. 3 stands for DNS SRV The default is 0.
	BakOutboundHost	Domain name or IP Address	It defines the Backup Outbound Proxy Server of account1. The default is blank.
	BakOutboundPort	Integer	It defines the Port of Backup Outbound Proxy Server of account1. The default is 5060.
	proxy-require	String	It defines the value of Proxy Require of account1. The default is blank.
	AnonymousCall	0 or 1	It defines the value of Anonymous Call of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	RejectAnonymousCall	0 or 1	It defines the value of Anonymous Call Rejection of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Expire	Integer	It defines the value of Login Expire of account1. The default is 3600.
	SIPListenPort	Integer	It defines the value of Local SIP Port of account1. The default is 5060.
	Enable 100Rel	0 or 1	It defines the value of 100 reliable retransmission of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	precondition	0 or 1	It defines the value of Enable Precondition of account1. 0 stands for Disabled. 1 stands for Enabled.

			The default is 0.
	SubscribeRegister	0 or 1	It defines the value of Subscribe Register of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	SubscribeMWI	0 or 1	It defines the value of Subscribe for MWI of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	CIDSource	0 or 1	It defines the value of Caller ID Header of account1. 0 stands for FROM. 1 stands for PAI. The default is 0.
	EnableSessionTimer	0 or 1	It defines the value of Use Session Timer of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	SessionExpires	Integer from 1 to 999	It defines the value of Session Timer of account1. The default is blank.
	SessionRefresher	0 or 1	It defines the value of Refresher of account1. 0 stands for Uac. 1 stands for Uas. The default is 0.
	EnableUserEqualPhone	0 or 1	It defines the value of Use user=phone of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	srtp_encryption	0 or 1	It defines the value of Voice Encryption (SRTP) of account1. 0 stands for off. 1 stands for on. The default is 0.
	ptime	0,10,20,30,40,50 or 60	It defines the value of ptime of account1. 0 stands for Disabled. 10 stands for 10ms. 20 stands for 20ms. And alike. The default is 20.

	ShareLine	0 or 1	It defines the value of Shared Line of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	dialoginfo_callpickup	0 or 1	It defines the value of Dialog-Info Call Pickup of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	AutoAnswer	0 or 1	It defines the value of Auto Answer of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	MissedCallLog	0 or 1	It defines the value of Missed call log of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	AnonymousCall_OnCode	String	It defines the On Code of Anonymous Call of account1. The default is blank.
	AnonymousCall_OffCode	String	It defines the Off Code of Anonymous Call of account1. The default is blank.
	AnonymousReject_OnCode	String	It defines the On Code of Anonymous Call Rejection of account1. The default is blank.
	AnonymousReject_OffCode	String	It defines the Off Code of Anonymous Call Rejection of account1. The default is blank.
	BLANumber	String	It defines the value of BLA Number of account1. The default is blank
	BLASubscribePeriod	Integer from 60 to 7200	It defines the value of BLA Subscription Period of account1. The default is 300.
	SubscribeMWIExpire	Integer from 0 to 84600	It defines the value of MWI Subscription Period of account1. The default is 3600.
	CIDSource	0 or 1	It defines the value of Caller ID Header of account1. 0 stands for FROM. 1 stands for PAI.

			The default is 0.
	RegisterMAC	0 or 1	It defines the value of SIP Send MAC of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	RegisterLine	0 or 1	It defines the value of SIP Send Line of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	RegFailRetryInterval	Integer from 0 to 1800	It defines the value of SIP Registration Retry Timer of account1. The default is 30.
	conf-type	0 or 2	It defines whether to enable the Broadsoft network conference feature. 0 stands for Local. 2 stands for Network. The default is 0.
	conf-uri	String	It defines the URL of network conference. The default is blank.
	BifListCode	String	It defines the value of BIF List Code of account1. The default is blank.
	SubscribeACDExpire	Integer from 120 to 3600	It defines the time of ACD Subscription Period of account1. The default is 3600(seconds).
[account] path = /config/voip/sipAccount1.cfg		For different models, there're different numbers of Account. For each Account, there are completely same parameters and they share same permitted values and default values. The difference is just on the path. For example, the path of Account1 is path = /config/voip/sipAccount0.cfg. While for Account2 is path = /config/voip/sipAccount1.cfg, and other sections alike.	
[DTMF] path = /config/voip/sipAccount0.cfg	DTMFInbandTransfer	0,1 or 2	It defines the value of DTMF Type of account1. 0 stands for INBAND. 1 stands for RFC2833. 2 stands for SIP INFO. The default is 1.
	InfoType	0,1,2 or 3	It defines the value of How to INFO DTMF of account1. 0 stands for Disabled. 1 stands for DTMF-Relay. 2 stands for DTMF. 3 stands for Telephone-Event. The default is Disabled.

	DTMFPayload	Integer from 96 to 255	It defines the value of DTMF Payload of account1. The default is 101.
[NAT] path = /config/voip/sipAccount0.cfg	NATTraversal	0 or 1	It defines the value of NAT Traversal of account1. 0 stands for Disabled. 1 stands for STUN. The default is 0.
	STUNServer	Domain name or IP Address	It defines the value of STUN Server of account1. The default is blank.
	STUNPort	Integer	It defines the Port of STUN Server of account1. The default is 3478.
	EnableUDPUpdate	0 or 1	It defines the value of UDP Keep-alive Message of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	UDPUpdateTime	Integer	It defines the value of UDP Keep-alive Interval of account1. The default is 30(seconds).
	rport	0 or 1	It defines the value of Rport of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[ADVANCED] path = /config/voip/sipAccount0.cfg	default_t1	Float	It defines the value of SIP Session Timer T1 of account1. The default is 0.5.
	default_t2	Float	It defines the value of SIP Session Timer T2 of account1. The default is 4.
	default_t4	Float	It defines the value of SIP Session Timer T4 of account1. The default is 5.
[RingTone] path = /config/voip/sipAccount0.cfg	RingType	common, Ring1.wav, Ring2.wav Ring8.wav	It defines the default Ring tone that should be played while there is an incoming call to this account. common stands for use common ring type. The default is common
[blf] path = /config/voip/sipAccount0.cfg	SubscribePeriod	Integer	It defines the value of Subscribe Period of account1. The default is 1800(seconds).
	BLFList_URI	String	It defines the value of BLFList URI of account1.

			The default is blank.
[audio0] path = /config/voip/sipAccount0.cfg	enable	0 or 1	It defines the activity of a specific codec. 0 means to disable the codec. 1 means to enable the codec.
	PayloadType	One of the following: PCMU PCMA G723_53 G723_63 G729 G722 G726-16 G726-24 G726-32 G726-40	It stands for a specific Codec type.
	priority	Integer from 0 to 10	It stands for the priority of a specific enabled codec.
	rtpmap	Integer	It defines the payload of the codec.
[audio1] path = /config/voip/sipAccount0.cfg	The parameters and the Permitted values are the same as[audio0]. For each account there are totally 10 usable codecs and each one has a section in configuration files and so there are sections from [audio0] to [audio10] for each account. (audio 6 is just a reserved section) They have default values as below. If you want to change one of them, please note that there should be no same parameter values for the same account:		
[audio2] path = /config/voip/sipAccount0.cfg			
[audio3] path = /config/voip/sipAccount0.cfg			
[audio4] path = /config/voip/sipAccount0.cfg			
[audio5] path = /config/voip/sipAccount0.cfg			
[audio7] path = /config/voip/sipAccount0.cfg			
[audio8] path = /config/voip/sipAccount0.cfg			
[audio9] path = /config/voip/sipAccount0.cfg			
[audio10] path = /config/voip/sipAccount0.cfg			
	[audio0] enable = 1 PayloadType = PCMU priority = 1 rtpmap = 0	[audio4] enable = 1 PayloadType = G729 priority = 3 rtpmap = 18	[audio8] enable = 0 PayloadType = G726-24 priority = 0 rtpmap = 102
	[audio1] enable = 1 PayloadType = PCMA priority = 2 rtpmap = 8	[audio5] enable = 1 PayloadType = G722 priority = 4 rtpmap = 9	[audio9] enable = 0 PayloadType = G726-32 priority = 0 rtpmap = 2
	[audio2] enable = 0 PayloadType = G723_53 priority = 0 rtpmap = 4	[audio6] enable = 0 PayloadType = iLBC priority = 0 rtpmap = 102	[audio10] enable = 0 PayloadType = G726-40 priority = 0 rtpmap = 104
	[audio3] enable = 0 PayloadType = G723_63 priority = 0 rtpmap = 4	[audio7] enable = 0 PayloadType = G726-16 priority = 0 rtpmap = 112	
[WAN]	WANType	0,1 or 2	It defines the type of Internet Port (WAN) .

path = /config/Network/Network.cfg			0 stands for DHCP. 1 stands for PPPoE. 2 stands for Static IP Address. The default is 0.
	WANStaticIP	IP Address	It defines the IP Address when using static WAN settings. The default is blank.
	WANSubnetMask	Network Mask	It defines the Subnet Mask when using static WAN settings. The default is blank.
	WANDefaultGateway	IP Address	It defines the Default Gateway when using static WAN settings. The default is blank.
[DNS] path = /config/Network/Network.cfg	PrimaryDNS	IP Address	It defines the Primary DNS when using static WAN settings. The default is blank.
	SecondaryDNS	IP Address	It defines the Secondary DNS when using static WAN settings. The default is blank.
[PPPoE] path = /config/Network/Network.cfg	PPPoEUser	String	It defines the User name when using PPPoE WAN settings. The default is blank.
	PPPoEPWD	String	It defines the Password when using PPPoE WAN settings. The default is blank.
[LAN] path = /config/Network/Network.cfg	LANTYPE	0 or 1	It defines the type of PC Port (LAN) . 0 stands for Router . 1 stands for Bridge . The default is 1.
	RouterIP	IP Address	It defines the IP Address when the LAN is set as Router. The default is 10.0.0.1
	LANSubnetMask	Network Mask	It defines the Subnet Mask when the LAN is set as Router. The default is 255.255.255.0.
	EnableDHCP	0 or 1	It means whether to enable DHCP server when the LAN is set as Router. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	DHCPStartIP	IP Address	It defines the IP Address range the DHCP router will allocate. The default is from 10.0.0.10 to 10.0.0.100.
	DHCPEndIP	IP Address	
	SpanToPCPort	0 or 1	It defines whether to enable Span to PC port function.

			0 stands for Disabled. 1 stands for Enabled. The default is 0.
[VLAN] path = /config/Network/Network.cfg	ISVLAN	0 or 1	It defines the VLAN Active option of WAN Port . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	VID	Integer from 0 to 4094	It defines the VID of WAN Port . The default is 0.
	USRPRIORITY	Integer from 0 to 7	It defines the VLAN USRPRIORITY of WAN Port . The default is 0.
	PC_PORT_VLAN_ENABLE	0 or 1	It defines the VLAN Active option of PC Port . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	PC_PORT_VID	Integer from 0 to 4094	It defines the VID of PC Port . The default is 0.
	PC_PORT_PRIORITY	Integer from 0 to 7	It defines the VLAN USRPRIORITY of PC Port . The default is 0.
[QOS] path = /config/Network/Network.cfg	RTPTOS	Integer from 0 to 63	It defines the value of Voice QoS . The default is 40
	SIGNALTOS	Integer from 0 to 63	It defines the value of SIP QoS . The default is 40
[RTPPORT] path = /config/Network/Network.cfg	MaxRTPPort	Integer from 0 to 65535	It defines the MaxRTPPort of Local RTP Port . The default is 11800.
	MinRTPPort	Integer from 0 to 65535	It defines the MinRTPPort of Local RTP Port . The default is 11780.
[SYSLOG] path = /config/Network/Network.cfg	SyslogdIP	IP Address	It defines the server where the syslog is supposed to be exported onto.
[telnet] path = /config/Network/Network.cfg	telnet_enable	0 or 1	It defines whether to enable or disable Telnet to the phone. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[802.1X] path = /config/Network/Network.cfg	Mode	0 or 1	It defines whether to enable or disable the 802.1X feature 0 stands for Disabled. 1 stands for Enabled. The default is 0.

	Identity	String	It defines the identity The default is blank.
	MD5Passwd	String	It defines the password for the identity The default is blank.
[VPN] path = /config/Network/Network.cfg	EnableVPN	0 or 1	It defines whether to enable or disable the VPN feature 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[Ethernet] path = /config/Network/Network.cfg	WANPortLink	Integer from 0 to 4	It defines the speed of WAN Port . 0 stands for auto negotiate 1 stands for full duplex, 10Mbps 2 stands for full duplex, 100Mbps 3 stands for half duplex, 10Mbps 4 stands for half duplex, 100Mbps The default is 0.
	PCPortLink	Integer from 0 to 4	It defines the speed of PC Port . 0 stands for auto negotiate 1 stands for full duplex, 10Mbps 2 stands for full duplex, 100Mbps 3 stands for half duplex, 10Mbps 4 stands for half duplex, 100Mbps The default is 0.
[Lang] path = /config/Setting/Setting.cfg	WebLanguage	Language Name	It defines the Language used on the Webpage. The default is “English”. The other Languages are: Chinese_S/Deutsch/English/French/Italian/Portuguese/Spanish/Turkish. Note: It’s depending on the firmware support.
	ActiveWebLanguage	Language Name	It defines the Language used on the LCD. The default is “English”. The other Languages are: Chinese_S/Chinese_T/French/German/Italian/Polish/Portuguese/spanish/Turkey. Note: It’s depending on the firmware support. T20 doesn’t support Chinese_S/Chinese_T.
[Time] path = /config/Setting/Setting.cfg	TimeZone	Time Zone from -11 to +12	It defines the Time Zone you expect to use on the phone. The default is +8.
	TimeZoneName	All the available Time Zone	It defines the Time Zone Name of the corresponding Time Zone. The default is China(Beijing).

		Name in the phone.	
	TimeServer1	Domain name or IP Address	It defines the Primary NTP Server . The default is cn.pool.ntp.org.
	TimeServer2	Domain name or IP Address	It defines the Secondary NTP Server . The default is cn.pool.ntp.org.
	Interval	Integer	It defines the Update Interval when using NTP Server. The default is 1000(seconds).
	SummerTime	0, 1 or 2	It defines the activity of Daylight Saving Time . 0 stands for Disabled. 1 stands for Enabled. 2 stands for Automatic. The default is 2.
	DSTTimeType	0 or 1	It defines the Fixed Type of Daylight Saving Time. 0 stands for By Date. 1 stands for By Week. The default is blank.
	StartTime	SPECIAL	It defines the StartTime of Daylight Saving Time. If the Fixed Type for Daylight Saving time is By Date , its value rule is MM/DD/HH which means Month/Day/Hour. If the Fixed Type for Daylight Saving time is By Week , its value rule is Start Month/ Start Day of Week/ Start Day of Week Last in Month/ Start Hour of Day. For a value of 1/4/2/5 in this case, it means the start time is at 5 o'clock on Tuesday of the 4 th week in January. The default is blank.
	EndTime	SPECIAL	It defines the EndTime of Daylight Saving Time. Its rule is similar to StartTime. The default is blank.
	OffSetTime	Integer from -300 to 300	It defines the Offset of Daylight Saving Time. The default is blank.
	TimeFormat	0 or 1	It defines the value of Time Format . 0 stands for 12 Hour format. 1 stands for 24 Hour format. The default is 0.
	DateFormat	Integer from 0 to 6	It defines the value of Date Format . 0 stands for WWW MMM DD. eg. Tues Oct 20.

			<p>1 stands for DD-MMM-YY. eg. 20-Oct-09.</p> <p>2 stands for YYYY-MM-DD. eg. 2009-10-20.</p> <p>3 stands for DD/MM/YYYY. eg. 20/10/2009.</p> <p>4 stands for MM/DD/YY. eg. 10/20/09.</p> <p>5 stands for DD MMM YYYY. eg. 20 Oct 2009.</p> <p>6 stands for WWW DD MMM. eg. Tues 20 Oct.</p> <p>The default is 0.</p>
<p>[PhoneSetting]</p> <p>path = /config/Setting/Setting.cfg</p>	InterDigitTime	Integer	<p>It defines the Inter Digit Time.</p> <p>The default is 4(seconds).</p>
	FlashHookTimer	Integer from 0 to 800	<p>It defines the Flash Hook Time.</p> <p>The default is 1(ms)</p>
	Lock	0,1,2 or 3	<p>It defines the type of Keyboard Lock.</p> <p>0 stands for Disabled.</p> <p>1 stands for Menu Key.</p> <p>2 stands for Function Key.</p> <p>3 stands for All Keys.</p> <p>4 stands for Lock&Answer.</p> <p>The default is 0.</p>
	Ringtype	Ring name	<p>It defines the default Ring tone that has been built in the phone flash, for example,Ring1.wav,Ring2.wav and alike.</p>
	Contrast	Integer from 1 to 10	<p>It defines the LCD Contrast. The parameter depends on model types. Eg. SIP-T20P doesn't support it.</p> <p>The default is 6.</p>
	BackLight	1,2 or 3	<p>It defines the Backlight Brightness. The parameter depends on model types.SIP-T20 doesn't support it.</p> <p>The default is 2.</p>
	BacklightTime	0,1,15,30,60 or 120	<p>It defines the Backlight Time. The parameter depends on model types.SIP-T20 doesn't support it.</p> <p>The default is 30.</p> <p>0 stands for Always off</p> <p>1 stands for Always on</p> <p>15 stands for 15s</p> <p>30 stands for 30s</p> <p>60 stands for 60s</p> <p>120 stands for 120s</p>
	ProductName	String	<p>It defines the Product Name which you can see via LCD interface.</p> <p>The default value for Yealink models are</p>

			SIP-T28, SIP-T26, SIP-T22, SIP-T20 respectively.
	RingVol	Integer from 0 to 15	It defines the ring volume. 0 is the minimum value meaning silence. 15 is the maximum value.
	HandFreeSpkVol	Integer from 0 to 15	It defines the receiving volume of Speaker. The default is 8.
	HandFreeMicVol	Integer from 0 to 15	It defines the sending volume of Speaker. The default is 8.
	HandSetSpkVol	Integer from 0 to 15	It defines the receiving volume of Handset. The default is 8.
	HandSetMicVol	Integer from 0 to 15	It defines the sending volume of Handset. The default is 8.
	HeadSetSpkVol	Integer from 0 to 15	It defines the receiving volume of Headset. The default is 8.
	HeadSetMicVol	Integer from 0 to 15	It defines the sending volume of Headset. The default is 8.
	RingForTranFailed	Ring name	It defines the default Ring tone that has been used while Transfer failed, for example, Ring1.wav, Ring2.wav and alike.
	LogonWizard	0 or 1	It defines whether to enable the logon wizard while power on 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	PreDialAutoDial	0 or 1	It defines whether to auto dial out feature in Pre-Dial interface, Live Dialpad option in web interface. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	IsDeal180	0 or 1	It defines whether to deal with 180 messages after the 183 message. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[SignalToneVol] path = /config/Setting/Setting.cfg	DialNowDelay	Integer	It defines the delay time of dial now. The default is 1(second).
	Handset	Integer from 0 to 15	It defines the volume of dial tone on handset. The default is 8.
	Headset	Integer from 0 to 15	It defines the volume of dial tone on headset. The default is 8.
	Handfree	Integer from 0 to 15	It defines the volume of dial tone on Speaker. The default is 8.
	Text	String	It defines the first Internal Ringer Text .

path = /config/Setting/Setting.cfg			The default is blank.
	Ringer	Integer	It defines the ringer for the first Internal Ringer Text. The ringer is defined by its order number. The default is 1.
[AlertInfo1] path = /config/Setting/Setting.cfg	They have same path and parameters as [AlertInfo0] and share the same Permitted Values and default values.		
[AlertInfo2] path = /config/Setting/Setting.cfg			
[AlertInfo3] path = /config/Setting/Setting.cfg			
[AlertInfo4] path = /config/Setting/Setting.cfg			
[AlertInfo5] path = /config/Setting/Setting.cfg			
[AlertInfo6] path = /config/Setting/Setting.cfg			
[AlertInfo7] path = /config/Setting/Setting.cfg			
[AlertInfo8] path = /config/Setting/Setting.cfg			
[AlertInfo9] path = /config/Setting/Setting.cfg			
[AlwaysFWD] path = /config/Features/Forward.cfg	Enable	0 or 1	It defines whether the Always Forward is enabled. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Target	Phone number	It defines the Target number that the phone will Always Forward to . The default is blank.
	On_Code	String	It defines the On Code for Always Forward . The default is blank.
	Off_Code	String	It defines the Off Code for Always Forward . The default is blank.
[BusyFWD] path = /config/Features/Forward.cfg	Enable	0 or 1	It defines whether the Busy Forward is enabled. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Target	Phone number	It defines the Target number that the phone will Busy Forward to . The default is blank.

	On_Code	String	It defines the On Code for Busy Forward . The default is blank.
	Off_Code	String	It defines the Off Code for Busy Forward . The default is blank.
[TimeoutFWD] path = /config/Features/Forward.cfg	Enable	0 or 1	It defines whether the No Answer Forward is enabled. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Target	Phone number	It defines the Target number that the phone will No Answer Forward to . The default is blank.
	On_Code	String	It defines the On Code for No Answer Forward . The default is blank.
	Off_Code	String	It defines the Off Code for No Answer Forward . The default is blank.
	Timeout	Integer	It defines the time after which the call will be forwarded when using No Answer Forward . The default is 10(seconds).
[Features] path = /config/Features/Phone.cfg	Call_Waiting	0 or 1	It defines the activity of Call Waiting . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Call_WaitingTone	0 or 1	It defines the activity of Call Waiting Tone . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	CallCompletion	0 or 1	It defines the activity of CallCompletion . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Hotlinenumber	Phone number	It defines the Hotline Number . The default is blank.
	BusyToneDelay	0,3 or 5	It defines BusyToneDelay , the Delay of Busy Tone which is played when the other party hangs up. The default is 0(seconds).
	LCD_Logo	0,1or 2	It defines the value of Use Logo , meaning whether to enable Logo on LCD. 0 stands for Disabled. 1 stands for Enabled. 2 stands for Custom logo. The default is 0.

	DND_Code	404, 480 or 486	It defines the value of Return code when DND . 404 means 404 (Not Found) 480 means 480 (Temporarily not available) 486 means 486 (Busy here) The default is 480.
	Refuse_Code	404, 480 or 486	It defines the value of Return code when refuse . 404 means 404 (Not Found) 480 means 480 (Temporarily not available) 486 means 486 (Busy here) The default is 486.
	DND_On_Code	String	It defines DND On Code . The default is blank.
	DND_Off_Code	String	It defines DND Off Code . The default is blank.
	ButtonSoundOn	0 or 1	It defines whether to enable dialing tone. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	SendKeySoundOn	0 or 1	It defines whether to enable the tone of Send key. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	AllowIntercom	0 or 1	It defines whether to allow an intercom call. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	IntercomMute	0 or 1	It defines whether to mute the intercom call. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	IntercomTone	0 or 1	It defines whether to play the intercom warning tone. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	IntercomBarge	0 or 1	It defines whether to enable intercom barge. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Hotlinedelay	Integer from 0 to 180	It defines the hotline delay time. The default is 4.

	BroadsoftFeatureKeySync	0 or 1	It defines whether to enable Broadsoft feature Sync. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	PswDialEnable	0 or 1	It defines whether to enable Password Dial function. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	PswPrefix	Integer	It defines Prefix of the Password Dial function. The default is blank.
	PswLength	Integer	It defines the length of password after the Password Prefix in Password Dial function. The default is blank.
	SaveCallHistory	0 or 1	It defines whether to enable save call history on phone. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	HistorySaveDisplay	0 or 1	It defines whether to display Save Call History option on web interface. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
[RingerDevice] path = /config/Features/Phone.cfg	IsUseHeadset	0 or 1	It defines the ringer device for headset or speaker. 0 stands for Speaker. 1 stands for Headset. The default is 0.
[Trans] path = /config/Features/Phone.cfg	IsOnHookTrans	0 or 1	It defines whether to enable OnHook to complete an attend transfer. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
[AutoRedial] path = /config/Features/Phone.cfg	EnableRedial	0 or 1	It defines whether to enable/disable Auto redial . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	RedialInterval	Integer from 1 to 300	It defines the value of Auto redial interval . The default is 10 (seconds).
	RedialTimes	Integer from 1 to 300	It defines the value of Auto redial times . The default is 10.

<p>[PoundSend]</p> <p>path = /config/Features/Phone.cfg</p>	<p>Enable</p>	<p>0,1 or 2</p>	<p>It defines the Key As Send.</p> <p>0 stands for Disabled.</p> <p>1 stands for # key.</p> <p>2 stands for * key.</p> <p>The default is 1.</p>
<p>[Emergency]</p> <p>path = /config/Features/Phone.cfg</p>	<p>Num</p>	<p>Phone numbers separated by commas</p>	<p>It defines the Emergency numbers separated by commas. For example, it can be specified as:911,999,110,120</p> <p>The default is blank.</p>
<p>[Logo]</p> <p>path = /config/Features/Phone.cfg</p>	<p>TextLogo</p>	<p>Characters</p>	<p>It defines the test logo show in T20 LCD.</p> <p>The default is blank.</p>
<p>[memory1]</p> <p>path = /config/vpPhone/vpPhone.ini</p>	<p>Line</p>	<p>Integer from 0 to max line number</p>	<p>Seen from the web, it reflects the value under Line title.</p> <p>It defines the Line you are going to use for a specific function (if the function needs to specify a line).</p> <p>Normally,0 stands for Auto,1 stands for Line1 and so on.</p> <p>However, it's a little different when configured as BLA or BLF or BLF List in which case 0 stands for Line1, 1 stands for Line2 and so on.</p> <p>When the value of DKtype is 46(Broadsoft Group), the Line value is needed to select different group. It support 1~6. When the first group define 1.</p> <p>The default is 0.</p>
	<p>type</p>	<p>blf or bla</p>	<p>It is used when configuring a DSS Key as BLF or Shared Line.</p> <p>blf stands for BLF.</p> <p>bla stands for Shared Line.</p> <p>No default value.</p>
	<p>Value</p>	<p>It depends</p>	<p>Seen from the web, it reflects the value under Extension title.</p> <p>Normally, the value is an extension number while in some cases it's not. For example, when you configure a key as URL, the value must be a url String.</p> <p>The default is blank.</p>
	<p>PickupValue</p>	<p>String</p>	<p>It is used only for BLF. It defines the pickup number that your server allocates.</p>
	<p>Label</p>	<p>String</p>	<p>It is used only for T28 line key and EXP 39.</p> <p>It defines the label show on the LCD.</p>
	<p>DKtype</p>	<p>Integer</p>	<p>It's a number reflects the key function.</p> <p>0:N/A 1:Conference</p>

			2:Forward 3:Transfer 4:Hold 5:DND 6:Redial 7:Call Return 8:SMS 9:Call Pickup 10:Call Park 11:DTMF 12:Voicemail 13:SpeedDial 14:Intercom 15:Line 16:BLF 17:URL 18:Group Listening 19:Public Hold 20:Private Hold 21:Shared Line 22:XML Group 23:Group Pickup 24: Paging 25:Record 35:URLRecord 27:XMLbrowser 34:Hot Desking 37:Switch 38:LDAP 39:BLF List 40:Prefix 41: Zero-Sp-Touch 42:ACD 45:Local Group 46:Broadsoft Group The default is 0.
	XMLPhoneBook	The available XML Phonebook (0 to 4) or Local Group number/Broadsoft (0 to 5)	If the value of DKtype is 22/45/46(XML Group/Local Group/Broadsoft Group), you can configure an available XML Phonebook /Local Group number/Broadsoft Group number for this parameter. Note: This option is available only when DKtype is 22/45/46. The default is 0.
[memory2] path = /config/vpPhone/vpPhone.ini	From [memory1] to [memory2] are used for 10 DSS Keys on the phone T28/T26. For a phone having no DSS keys like T20/T22, it's no use configuring the parameters.		
[memory3] path = /config/vpPhone/vpPhone.ini			
[memory4] path = /config/vpPhone/vpPhone.ini			
[memory5] path = /config/vpPhone/vpPhone.ini			
[memory6] path = /config/vpPhone/vpPhone.ini			
[memory7] path = /config/vpPhone/vpPhone.ini			
[memory8] path = /config/vpPhone/vpPhone.ini			
[memory9] path = /config/vpPhone/vpPhone.ini			
[memory10] path = /config/vpPhone/vpPhone.ini			

[memory11] path = /config/vpPhone/vpPhone.ini [memory12] path = /config/vpPhone/vpPhone.ini [memory13] path = /config/vpPhone/vpPhone.ini [memory14] path = /config/vpPhone/vpPhone.ini [memory15] path = /config/vpPhone/vpPhone.ini [memory16] path = /config/vpPhone/vpPhone.ini	<p>From [memory11] to [memory16] are used for Line keys. The available sections depend on the numbers of Line keys. For T20 which have only 2 line keys, only the first 2 sections are available. For T22/T26, only the first 3 sections are available.</p> <p>In addition, the settings for a Line key is not completely the same as a DSS key. For example, a line key cannot be configured as blf.</p>		
	VAD	0 or 1	It defines the activity status of VAD . 0 stands for Disabled. 1 stands for Enabled. The default is 0
	CNG	0 or 1	It defines the activity status of CNG . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	ECHO	0 or 1	It defines the activity status of Echo canceller . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	SIDE_TONE	-3 or -32768	It is an invisible setting which can only be configured via auto provision. -32768 stands for Disable Side tone. -3 stands for Enable Side tone. The default is -3.
	headset_send	Integer from 1 to 53	It defines the send sound from headset. The default is 29.
[Jitter] path = /config/vpm.cfg	Adaptive	0 or 1	It defines the Type of Jitter Buffer. 0 stands for Fixed. 1 stands for Adaptive. The default is 1.
	Min	Integer	It defines the value of Min Delay . The default is 0.
	Max	Integer	It defines the value of Max Delay . The default is 300.
	Nominal	Integer	It defines the value of Normal Delay . The default is 120.
[Message] path = /config/Features/Message.cfg	VoiceNumber0	String	It defines Voice Mail number of account1. The default is blank.
	VoiceNumber1	String	It defines Voice Mail number of account2.

			The default is blank.
	VoiceNumber2	String	It defines Voice Mail number of account3 if the account exists. The default is blank.
	VoiceNumber3	String	It defines Voice Mail number of account4 if the account exists. The default is blank.
	VoiceNumber4	String	It defines Voice Mail number of account5 if the account exists. The default is blank.
	VoiceNumber5	String	It defines Voice Mail number of account6 if the account exists. The default is blank.
[Country] path = /config/voip/tone.ini	Country	String	It defines the country name that relates to its own tone rules. The valid values can be seen from the webpage which are like China, France and so on. It can be specified as Custom in which case the tone rules can be customized.
[Tone Param] path = /config/voip/tone.ini	Dial	String	It defines the tone of Dial which will be active when the Country is chosen to be "Custom". The format of the String is like 100/200/300 which means it will be a tone of 100Hz with 200ms duration, followed by a 300ms pause and then repeat. 0 stands for silence. The default is blank.
	Ring	String	It defines the tone of Ring Back . The format is the same as dial. The default is blank.
	Busy	String	It defines the tone of Busy . The format is the same as dial. The default is blank.
	Congestion	String	It defines the tone of Congestion . The format is the same as dial. The default is blank.
	Callwaiting	String	It defines the tone of Call Waiting . The format is the same as dial. The default is blank.
	Dialrecall	String	It defines the tone of Dial Recall . The format is the same as dial. The default is blank.
	Record	String	It defines the tone of Record .

			The format is the same as dial. The default is blank.
	Info	String	It defines the tone of Info . The format is the same as dial. The default is blank.
	Stutter	String	It defines the tone of Stutter . The format is the same as dial. The default is blank.
	Message	String	It defines the tone of Message . The format is the same as dial. The default is blank.
	Autoanswer	String	It defines the tone of Auto Answer . The format is the same as dial. The default is blank.
[Default] path = /config/voip/tone.ini	Dial	0 or 1	It defines whether to enable the customized ringtone of Dial when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Ring	0 or 1	It defines whether to enable the customized ringtone of Ring Back when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Busy	0 or 1	It defines whether to enable the customized ringtone of Busy when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Congestion	0 or 1	It defines whether to enable the customized ringtone of Congestion when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Callwaiting	0 or 1	It defines whether to enable the customized ringtone of Call Waiting when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Dialrecall	0 or 1	It defines whether to enable the customized ringtone of Dial Recall when in Custom mode.

			<p>0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	Record	0 or 1	<p>It defines whether to enable the customized ringtone of Record when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	Info	0 or 1	<p>It defines whether to enable the customized ringtone of Info when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	Stutter	0 or 1	<p>It defines whether to enable the customized ringtone of Stutter when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	Message	0 or 1	<p>It defines whether to enable the customized ringtone of Message when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	Autoanswer	0 or 1	<p>It defines whether to enable the customized ringtone of Auto Answer when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
<p>[ReplaceRule] path = /tmp/dialplan.xml</p>	1	Number or String	<p>The replace rule as Enable,Prefix,Replace For example: 1,10,1234</p> <ul style="list-style-type: none"> ● First number defines whether to enable this rule. 0 stands for Disabled. 1 stands for Enabled. ● Second number defines as Prefix ● Third number defines as Replace <p>For other details, please refer to User Manual.</p>
	2	They share the same Permitted Value and rules as 1 .	
	3		
	4		
	5		
	6		

	7		
	8		
	9		
	10		
[DialNow] path = /tmp/dialnow.xml	server_address	URL	DialNow should upload through XML file. For example the XML file can edited as below: <?xml version="1.0" encoding="UTF-8" ?> <DialNow> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> <Data DialNowRule="11" LineID="1" /> </DialNow>
[AreaCode] path = /config/DialRule/areacode.cfg	Code	Integer	It defines the Code of Area Code. The default is blank.
	Minlen	Integer	It defines the Min Length of Area Code. The default is blank.
	Maxlen	Integer	It defines the Max Length of Area Code. The default is blank.
	LineID	Number	It defines the Account the code used. When you need to enable multi-line, you can use “,” to separate the account number to achieve it. For example: 1,2,3
[BlockOut] path = /config/DialRule/BlockOut.cfg	1	Number	It defines a number which will be block when dial it out. Besides a specific number, it support some special characters: For other details, please refer to User Manual.
	2	They share the same Permitted Value and rules as 1.	
	3		
	4		
	5		
	6		
	7		
	8		
	9		

	10		
[BlockOutLineID] path = /config/DialRule/BlockOut.cfg	1	Number	It defines the account for the first BlockOut rule is suit for. When you need to enable multi-line, you can use “,” to achieve it. For example: 1,2,3
	2	They share the same Permitted Value and rules as 1.	
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
[RemotePhoneBook0] path = /config/Setting/Setting.cfg	URL	HTTP URL	It defines the Phone book url which must be a url linking to an XML-format phonebook like http://192.168.0.231/Vin/phonebook1.xml The default is blank.
	Name	String	It defines the Phone book name of the first Remote phonebook. For more details, please refer to the instruction to Remote phonebook.
[RemotePhoneBook1] path = /config/Setting/Setting.cfg	They share the same parameters and Permitted Values as [RemotePhoneBook0].		
[RemotePhoneBook2] path = /config/Setting/Setting.cfg			
[RemotePhoneBook3] path = /config/Setting/Setting.cfg			
[RemotePhoneBook4] path = /config/Setting/Setting.cfg			
[AdminPassword] path = /config/Setting/autop.cfg	Password	String	It defines the new password for admin .
[UserPassword] path = /config/Setting/autop.cfg	Password	String	It defines the new password for user .
[UserName] path = /config/Advanced/Advanced.cfg	Admin	String	It defines the name of admin. The default is admin
	User	String	It defines the name of user. The default is user
[Webserver Type] path = /config/Advanced/Advanced.cfg	WebType	0,1,2 or 3	It defines the WebServer Type . 0 stands for Disabled. 1 stands for HTTP & HTTPS. 2 stands for HTTP Only. 3 stands for HTTPS Only. The default is 1.

[Webserver Type] path = /config/Advanced/Advanced.cfg	WebType	0,1,2 or 3	It defines the WebServer Type. 0 stands for Disabled. 1 stands for HTTP & HTTPS. 2 stands for HTTP Only. 3 stands for HTTPS Only. The default is 1.
	DND	0 or 1	It defines whether to have the authority to use DND feature. 0 stands for Enabled. 1 stands for Disabled. The default is 0.
[Forbidden] path = /config/Setting/AdvSetting.cfg	FWD	0 or 1	It defines whether to have the authority to use Forward Active feature. 0 stands for Enabled. 1 stands for Disabled. The default is 0.
	CustomEnabled	0 or 1	It defines whether to enable custom factory setting. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[Transfer] path = /config/Setting/AdvSetting.cfg	EnableSemiAttendTran	0 or 1	It defines whether to enable Semi attend transfer. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	BlindTranOnHook	0 or 1	It defines whether to enable Blind transfer. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	TranOthersAfterConf	0 or 1	It defines whether to enable Transfer call to others after confer initiator hand up. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[sip] path = /config/Setting/AdvSetting.cfg	RFC2543Hold	0 or 1	It defines whether to use RFC2543 Hold. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	ReservePound	0 or 1	It defines whether auto replace “#” into other character in username. 0 stands for Disabled. (be replace) 1 stands for Enabled. (not to be replaced) The default is 1.
	UseOutBoundInDialog	0 or 1	It defines whether to use Outbound in dialog.

			<p>0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
<p>[programablekey1] path = /config/vpPhone/vpPhone.ini</p>	Line	Integer from 0 to max line number	<p>Seen from the web, it reflects the value under Line title.</p> <p>It defines the Line you are going to use for a specific function (if the function needs to specify a line).</p> <p>Normally,0 stands for Auto,1 stands for Line1 and so on.</p> <p>However, it's a little different when configured as BLA or BLF or BLF List in which case 0 stands for Line1, 1 stands for Line2 and so on.</p> <p>When the value of DKtype is 46(Broadsoft Group), the Line value is need to select different group. It support 0~5. When the first group define 0.</p> <p>The default is 0.</p>
	Value	It depends	<p>Seen from the web, it reflects the value under Extension title.</p> <p>Normally, the value is an extension number while in some cases it's not. For example, when you configure a key as URL, the value must be a url String.</p> <p>The default is blank.</p>
	DKtype	Integer	<p>It's a number reflects the key function.</p> <p>0:N/A 2:Forward 5:DND 6:Redial 7:Call Return 8:SMS 9:Call Pickup 13:Spead Dial 22:XML Group 28:History 29:Directory 30:Menu 31:Switch Account 32:New SMS 33:Status 43:Local Phonebook 44:Broadsoft Phonebook 45:Local Group 46:Broadsoft Group 47:XML Phonebook</p> <p>The default is 0.</p>
	XMLPhoneBook	The available XML Phonebook (0 to 4) or Local Group	<p>If the value of DKtype is 22/45/46(XML Group/Local Group/Broadsoft Group), you can configure an available XML Phonebook /Local Group number/Broadsoft Group number for this parameter.</p>

		number/Broad soft (0 to 5)	Note: This option is available only when DKtype is 22/45/46. The default is 0.
[programablekey2] path = /config/vpPhone/vpPhone.ini	programablekey1=SoftKey1 programablekey2=SoftKey2 programablekey3=SoftKey3 programablekey4=SoftKey4 programablekey5=Up programablekey6=Down programablekey7=Left programablekey8=Right programablekey9=OK programablekey10=Cancel programablekey11=CONF programablekey12=HOLD programablekey13=MUTE programablekey14=TRAN		
[programablekey3] path = /config/vpPhone/vpPhone.ini			
[programablekey4] path = /config/vpPhone/vpPhone.ini			
[programablekey5] path = /config/vpPhone/vpPhone.ini			
[programablekey6] path = /config/vpPhone/vpPhone.ini			
[programablekey7] path = /config/vpPhone/vpPhone.ini			
[programablekey8] path = /config/vpPhone/vpPhone.ini			
[programablekey9] path = /config/vpPhone/vpPhone.ini			
[programablekey10] path = /config/vpPhone/vpPhone.ini			
[programablekey11] path = /config/vpPhone/vpPhone.ini			
[programablekey12] path = /config/vpPhone/vpPhone.ini			
[programablekey13] path = /config/vpPhone/vpPhone.ini			
[programablekey14] path = /config/vpPhone/vpPhone.ini			
[SoftKey] path = /config/Setting/UserSpecific.cfg	IsDefineKey	0 or 1	It defines whether to custom the Softkey Layout. 0 stands for Disabled. 1 stands for Enabled. The default is 0. About how to custom the softkey, please refer to Page48.
[LDAP] Path = /config/Contacts/LDAP.cfg	NameFilter	Standard LDAP filters e.g. (&(sn=%)(telephoneNumber=*))	It defines the search criteria for name look ups. The format of the search filter is compliant to the standard String representations of LDAP search filters (RFC 2254). The name prefix for search entered by the user is represented by the “%” symbol in the filter. The default is blank.
	NumberFilter	Standard	It defines the search criteria for number look

		LDAP filters e.g. ((telephoneN umber=%)(M obile=%)(ipP hone=%))	ups. The format of the search filter is compliant to the standard String representations of LDAP search filters (RFC 2254). The number prefix for search entered by the user is represented by the “%” symbol in the filter. The default is blank.
	host	Domain name or IP Address	This setting refers to the DNS name or IP address of the LDAP server. The default is 0.0.0.0
	port	Integer	It defines the LDAP server port. The default is 389
	base	String	It defines the LDAP search base (the distinguished name of the search base object) which corresponds to the location in the directory from which the LDAP search is requested to begin. The search base narrows the search scope and decreases directory lookup time. If you have multiple organizational units in your directory (for example, OU=Sales in O=COMPANY and OU=Development in O=COMPANY), but the "OU=Sales" organization never uses AOL AIM, you can restrict the lookup to the OU=Development subtree only by entering providing the following search base: OU=Development, O=COMPANY. Other examples see below. The default is blank.
	user	String	It defines the bind “Username” for LDAP servers. Most LDAP servers allow anonymous binds in which case the setting can be left blank. However if the LDAP server does not allow anonymous binds, you will need to provide the Username and Password allowed to query the LDAP server. The default is blank.
	pswd	String	It defines the bind “Password” for LDAP servers. Yealink phones use “simple” authentication scheme for bind requests. This setting can be left blank in case the server allows anonymous binds. Otherwise you will need to provide the Password along with the Username in order to access the LDAP server.

			The default is blank.
	MaxHits	Integer from 1 to 32000	<p>If defines the maximum number of search results to be returned by the LDAP server. If Max.hits is 0 or blank the LDAP server will return all search results. Please note that a very large value of the “Max. Hits” will slow down the LDAP lookup, therefore the setting should be configured according to the available bandwidth.</p> <p>The default is blank.</p>
	NameAttr	Space separated name attributes	<p>If defines the “name” attributes of each record which are to be returned in the LDAP search results. This setting compresses the search results, as the server only returns the attributes which are requested by the Yealink phone. The setting allows the user to configure multiple space separated name attributes. Please consult your system administrator regarding which name attributes are to be configured.</p> <p>The default is blank.</p>
	NumbAttr	space separated number attributes	<p>It defines the “number” attributes of each record which are to be returned in the LDAP search results by the LDAP server. This setting compresses the search results, as the server only returns the attributes which are requested. The user can configure multiple space separated number attributes by using this setting. Please consult your system administrator regarding which number attributes are to be configured.</p> <p>The default is blank.</p>
	DisplayName	%cn %sn	<p>This setting is for showing the entry information on the screen.</p> <p>The default is blank.</p>
	version	version 3/version 2	<p>It defines the protocol version for the phone when send the bind request to the server. Please make sure your LDAP server support version 3/2 bind request.</p> <p>The default is version 3.</p>
	SearchDelay	Integer from 0 to 2000	<p>This setting is for configuring the delay display time after search.</p> <p>The default is 0</p>
	CallInLookup	0 or 1	<p>This setting can be used to enable calling line identification using LDAP. When the</p>

			<p>setting is turned “Enable”, the phone performs an LDAP number search for the incoming number and displays the name of the calling party accordingly.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	LDAPSort	0 or 1	<p>This setting is for sorting the search results, if make this option “Enabled”, it will arrange in the first alphabetical of the name order if return the name display; if only has the number return, it will list in numerical order.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	DialLookup	0 or 1	<p>This setting can be used to enable call out line identification using LDAP. When the setting is turned “Enabled”, the phone performs an LDAP number search for PreDial or Dial status.0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
<p>[ManagementServer]</p> <p>path = /config/TR069/tr069.ini</p>	EnableTR069	0 or 1	<p>This setting can be used to enable TR069 function.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0.</p>
	ConnectionRequestUserName	String	It defines the User Name of ACS account.
	ConnectionRequestPassword	String	It defines the Password of ACS account.
	url	String	It defines the URL of ACS server.
	PeriodicInformEnable	0 or 1	<p>This setting can be used to enable the periodic inform time.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0.</p>
	PeriodicInformInterval	Integer	<p>It defines the periodic inform interval time.</p> <p>The default is 60. The range of value depends on ACS .</p>
	Username	String	It defines the User Name that ACS try to contact phone.
	Password	String	It defines the Password that ACS try to contact phone.
[Account0]	DisplayName	String	It defines the Display Name of the first

path = /config/Contacts/BroadSoft.cfg			Broadsoft phonebook The default is blank.
	Server	String	It defines the Server of the first Broadsoft phonebook. The default is blank.
	Port	Integer	It defines the Port of the first Broadsoft phonebook. The default is blank.
	UserName	String	It defines the User Name of the first Broadsoft phonebook. The default is blank..
	PassWord	String	It defines the Password of the first Broadsoft phonebook. The default is blank.
	It support 6 Boradsoft Phone (0~5). For each group, there are completely same parameters and they share same permitted values and default values. The difference is just on the path. For example, the path of Account1 is [Account0].While for Account2 is [Account1],and other sections alike.		
[CallLog0] path = /config/Contacts/BroadSoft.cfg	DisplayName	String	It defines the Display Name of the first Broadsoft Call Log. The default is blank.
	Server	String	It defines the Server of the first Broadsoft Call Log. The default is blank.
	Port	Integer	It defines the Port of the first Broadsoft Call Log. The default is blank.
	UserName	String	It defines the User Name of the first Broadsoft Call Log. The default is blank.
	PassWord	String	It defines the Password of the first Broadsoft Call Log. The default is blank.
	It support 3 Broadsodt Call Log (0~2). For each Call Log, there are completely same parameters and they share same permitted values and default values. The difference is just on the path. For example, the path of Account1 is [CallLog0]. While for Account2 is [CallLot1], and other sections alike.		
[WatchDog] path = /config/Features/Phone.cfg	IsUse	0 or 1	It defines whether to enable WatchDog . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Time	Integer	It defines the time that phone auto reboot after some process of phone crash.

			This option doesn't display in web interface. The default time is 10(seconds).
[REGSURGE] path = /config/Network/Network.cfg	RegSurgePrevention	Integer from 0 to 60	It defines the time of Registration Random . The default time is 0(seconds).
[Zero] path = /config/Advanced/Advanced.cfg	ForbidZero	0 or 1	It defines whether to enable Zero-Sp-Touch . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	WaitTime	Integer	It defines the value of Wait Time . The default is 5 (seconds).
[TrustedCertificates] path = /tmp/ certificate0.crt.crt	server_address	url	It defines the URL of the certificates which you want to upload.
	It support up to 10 certificates, user can use "/tmp/certificate0.crt" to "/tmp/certificate9.crt" for uploading two or more certificates.		
[TrustedCertificates] path = /tmp/download.cfg	option	delete or delete_all	This definition is use for deleting the certificates which were uploaded. "delete" for delete one certificates, "delete_all" for delete all the certificates which were uploaded.
	server_address	String	It's needed when you want to delete one of the certificates. You can use "localhost/certificate0.crt" to delete certificate0.crt.
[https] path = /config/Setting/Setting.cfg	TrustCertificates	0 or 1	It defines whether to enable Only Accept Trusted Certificates. 0 stands for Disable. 1 stands for Enable. The default is 0.
[ServerCertificates] path = /tmp/server.pem	server_address	url or "localhost/ server.pem"	When you need to upload a certificates which phone as a server. Please put the URL of the certificates which you want to upload. When you want to delete the certificates, please put "localhost/ server.pem".
	option	delete	It is need when you want to delete the certificate which was uploaded.
[ACD] path = /config/Features/Phone.cfg	AutoAvailable	0 or 1	It defines whether to enable ACD Auto Available function. 0 stands for Disable. 1 stands for Enable. The default is 0.
	AutoAvailableTimer	Integer from 0 to 120	It defines the interval time that ACD account automatically enabled. The default is 60(seconds).
	Broadsoft	0 or 1	It defines whether to enable Broadsoft ACD

			synchronization. 0 stands for Disable. 1 stands for Enable. The default is 0.
[PushXML] path = /config/Setting/AdvSetting.cfg	ServerIP	url	It defines the URL of Push XML server. The default is blank.
[LLDP] path = /config/Network/Network.cfg	EnableLLDP	0 or 1	It defines whether to enable LLDP function. 0 stands for Disable. 1 stands for Enable. The default is 0(seconds).
	PacketInterval	Integer from 1 to 3600	It defines the Packet Interval time. The default is 120.
[ActionURL] path = /config/Features/Phone.cfg	SetupCompleted	String	It defines the URL of it corresponding function. The default is blank.
	LogOn	String	
	LogOff	String	
	RegisterFailed	String	
	Offhook	String	
	Onhook	String	
	IncomingCall	String	
	OutgoingCall	String	
	CallEstablished	String	
	DNDOn	String	
	DNDOff	String	
	AlwaysFWDon	String	
	AlwaysFWDOff	String	
	BusyFWDon	String	
	BusyFWDOff	String	
	NoAnswerFWDon	String	
	NoAnswerFWDOff	String	
	TransferCall	String	
	BlindTransferCall	String	
	AttendedTransferCall	String	
	Hold	String	
	Unhold	String	
	Mute	String	
	Unmute	String	
	MissedCall	String	
	CallTerminated	String	
[BroadSoft] path = /config/Contacts/BroadSoft.cfg	BWCallLogandDir	0 or 1	When it's defined as Enable, in idle status, press History softkey will enter Call log directly, and press Directory softkey will enter Broadsoft PhoneBook.

			Note: The precondition of this option is the BeHaveCallLog and BeHaveBWDDir both enable. 0 stands for Disable. 1 stands for Enable. The default is 0.
	BeHaveCallLog	0 or 1	It defines whether to display settings page of Call log on web interface. 0 stands for Disable. 1 stands for Enable. The default is 1.
	BeHaveBWDDir	0 or 1	It defines whether to display settings page of Broadsoft Phonebook on web interface. 0 stands for Disable. 1 stands for Enable. The default is 1.
[CustomSoftKey_Dialing] path = /tmp/Dialing.xml	server_address	url	It could upload the xml file of Custom SoftKey in Dialing Call State.
[CustomSoftKey_Talking] path = /tmp/Talking.xml	server_address	url	It could upload the xml file of Custom SoftKey in Talk / Hold / Held / PreConf / PreTrans / InConference / InConferenceTalk / Conferenced Call State.
[CustomSoftKey_Connecting] path = /tmp/Connecting.xml	server_address	url	It could upload the xml file of Custom SoftKey in Connecting / SemiAttendTrans Call State.
[CustomSoftKey_RingBack] path = /tmp/RingBack.xml	server_address	url	It could upload the xml file of Custom SoftKey in RingBack / SemiAttendTransBack Call State.
[CustomSoftKey_CallIn] path = /tmp/CallIn.xml	server_address	url	It could upload the xml file of Custom SoftKey in CallIn Call State.
[CustomSoftKey_CallFailed] path = /tmp/CallFailed.xml	server_address	url	It could upload the xml file of Custom SoftKey in CallFailed Call State.

Note: in V50 firmware or higher, you are able to use **%NULL%** to delete a value.

For example:

```
[ AdminPassword ]
path = /config/Setting/autop.cfg
password = %NULL%
```

It will configure the password of Admin user as NULL.