

# 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

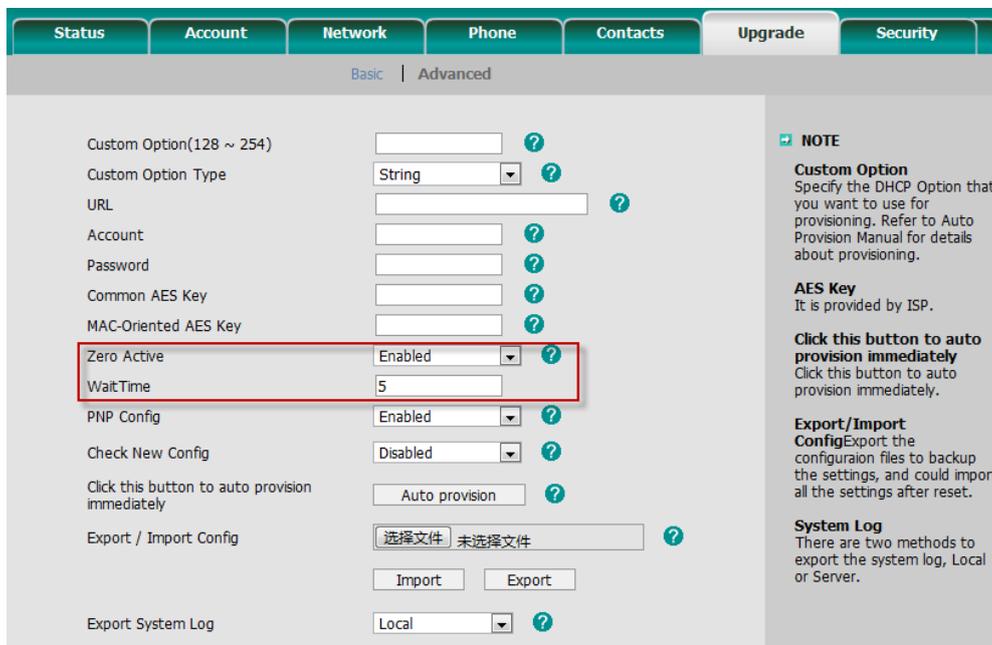
When the phone boots up, it will go by the following process to try to obtain the server address:

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

The following are the details of each process:

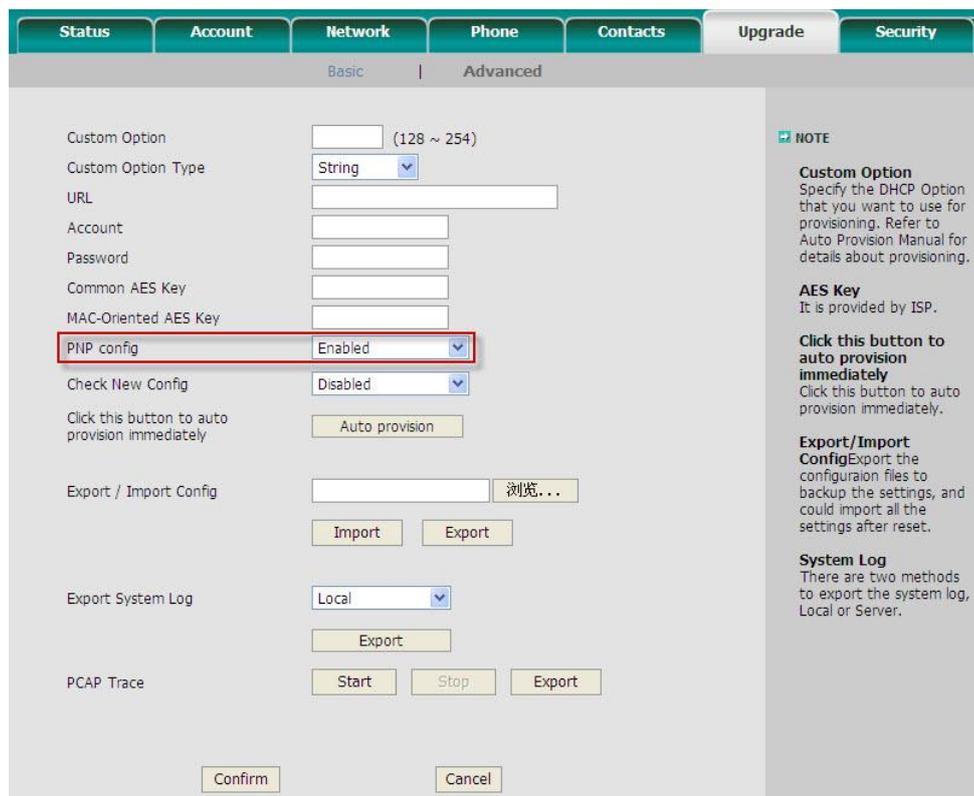
### 2.1.1 Pushed by Zero-Sp-Touch

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



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



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 the 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 phone. The 'Custom Option' field is highlighted with a red box, showing the value '150' and a range '(128 ~ 254)'. The 'Custom Option Type' is set to 'String'. Other fields include URL, Account, Password, Common AES Key, MAC-Oriented AES Key, PNP config (Enabled), Check New Config (Disabled), and buttons for Auto provision, Import, Export, and PCAP Trace.

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:

Custom Option:  (128 ~ 254)

Custom Option Type: String

URL:

Account:

Password:

Common AES Key:

MAC-Oriented AES Key:

PNP config: Disabled

Check New Config: Disabled

Click this button to auto provision immediately:

Export / Import Config:

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.

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.

Custom Option:  (128 ~ 254)

Custom Option Type: String

URL:

Account:

Password:

Common AES Key:

MAC-Oriented AES Key:

PNP config: Disabled

Check New Config: Power on

Click this button to auto provision immediately:

Export / Import Config:

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.



The screenshot shows the 'Advanced' configuration page for a Custom Option. The 'Basic' tab is selected. The configuration fields are as follows:

Field	Value
Custom Option	(128 ~ 254)
Custom Option Type	String
URL	
Account	
Password	
Common AES Key	1234567890123456
MAC-Oriented AES Key	1234567890123456
PNP config	Disabled
Check New Config	Disabled
Export / Import Config	浏览... Import Export
Export System Log	Local Export
PCAP Trace	Start Stop Export

Buttons: 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.



## 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	<b>mode</b>	0,1,4,5,6,7	It defines the value of <b>Check New Config</b> . 0:Disabled 1:Power on 4:Repeatedly 5:Weekly 6:Power on + Repeatedly 7:Power on + Weekly The default is 0.
	<b>schedule_min</b>	1 to 43200	It is available when mode is 4 or 6.It stands for the interval time (by minutes) of checking new config.
	<b>schedule_dayofweek</b>	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
	<b>schedule_time</b>	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.
	<b>schedule_time_end</b>	Time as 19:45	
[ PNP ] path = /config/Setting/autop.cfg	<b>Pnp</b>	0 or 1	It defines the value of <b>PNP config</b> . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[ cutom_option ] path = /config/Setting/autop.cfg	<b>cutom_option_code0</b>	Integer from 129 to 254	It defines the <b>Custom Option</b> . The default is blank.
	<b>cutom_option_type0</b>	0 or 1	It defines the <b>Custom Option Type</b> .. 0 stands for IP Address. 1 stands for String. The default is 1.

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

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

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

	<b>ShareLine</b>	0 or 1	It defines the value of <b>Shared Line</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>dialoginfo_callpickup</b>	0 or 1	It defines the value of <b>Dialog-Info Call Pickup</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>AutoAnswer</b>	0 or 1	It defines the value of <b>Auto Answer</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>MissedCallLog</b>	0 or 1	It defines the value of <b>Missed call log</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>AnonymousCall_OnCode</b>	String	It defines the <b>On Code</b> of <b>Anonymous Call</b> of account1. The default is blank.
	<b>AnonymousCall_OffCode</b>	String	It defines the <b>Off Code</b> of <b>Anonymous Call</b> of account1. The default is blank.
	<b>AnonymousReject_OnCode</b>	String	It defines the <b>On Code</b> of <b>Anonymous Call Rejection</b> of account1. The default is blank.
	<b>AnonymousReject_OffCode</b>	String	It defines the <b>Off Code</b> of <b>Anonymous Call Rejection</b> of account1. The default is blank.
	<b>BLANumber</b>	String	It defines the value of <b>BLA Number</b> of account1. The default is blank
	<b>BLASubscribePeriod</b>	Integer from 60 to 7200	It defines the value of <b>BLA Subscription Period</b> of account1. The default is 300.
	<b>SubscribeMWIExpire</b>	Integer from 0 to 84600	It defines the value of <b>MWI Subscription Period</b> of account1. The default is 3600.
	<b>CIDSource</b>	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.
	<b>RegisterMAC</b>	0 or 1	It defines the value of <b>SIP Send MAC</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>RegisterLine</b>	0 or 1	It defines the value of <b>SIP Send Line</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>RegFailRetryInterval</b>	Integer from 0 to 1800	It defines the value of <b>SIP Registration Retry Timer</b> of account1. The default is 30.
	<b>conf-type</b>	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.
	<b>conf-uri</b>	String	It defines the URL of network conference. The default is blank.
	<b>BifListCode</b>	String	It defines the value of <b>BIF List Code</b> of account1. The default is blank.
	<b>SubscribeACDExpire</b>	Integer from 120 to 3600	It defines the time of <b>ACD Subscription Period</b> 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	<b>DTMFInbandTransfer</b>	0,1 or 2	It defines the value of <b>DTMF Type</b> of account1. 0 stands for INBAND. 1 stands for RFC2833. 2 stands for SIP INFO. The default is 1.
	<b>InfoType</b>	0,1,2 or 3	It defines the value of <b>How to INFO DTMF</b> of account1. 0 stands for Disabled. 1 stands for DTMF-Relay. 2 stands for DTMF. 3 stands for Telephone-Event. The default is Disabled.

	<b>DTMFPayload</b>	Integer from 96 to 255	It defines the value of <b>DTMF Payload</b> of account1. The default is 101.
[ NAT ] path = /config/voip/sipAccount0.cfg	<b>NATTraversal</b>	0 or 1	It defines the value of <b>NAT Traversal</b> of account1. 0 stands for Disabled. 1 stands for STUN. The default is 0.
	<b>STUNServer</b>	Domain name or IP Address	It defines the value of <b>STUN Server</b> of account1. The default is blank.
	<b>STUNPort</b>	Integer	It defines the <b>Port</b> of STUN Server of account1. The default is 3478.
	<b>EnableUDPUpdate</b>	0 or 1	It defines the value of <b>UDP Keep-alive Message</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>UDPUpdateTime</b>	Integer	It defines the value of <b>UDP Keep-alive Interval</b> of account1. The default is 30(seconds).
	<b>rport</b>	0 or 1	It defines the value of <b>Rport</b> of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[ ADVANCED ] path = /config/voip/sipAccount0.cfg	<b>default_t1</b>	Float	It defines the value of <b>SIP Session Timer T1</b> of account1. The default is 0.5.
	<b>default_t2</b>	Float	It defines the value of <b>SIP Session Timer T2</b> of account1. The default is 4.
	<b>default_t4</b>	Float	It defines the value of <b>SIP Session Timer T4</b> of account1. The default is 5.
[ RingTone ] path = /config/voip/sipAccount0.cfg	<b>RingType</b>	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	<b>SubscribePeriod</b>	Integer	It defines the value of <b>Subscribe Period</b> of account1. The default is 1800(seconds).
	<b>BLFList_URI</b>	String	It defines the value of <b>BLFList URI</b> of account1.

			The default is blank.
[ audio0 ] path = /config/voip/sipAccount0.cfg	<b>enable</b>	0 or 1	It defines the activity of a specific codec. 0 means to disable the codec. 1 means to enable the codec.
	<b>PayloadType</b>	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.
	<b>priority</b>	Integer from 0 to 10	It stands for the priority of a specific enabled codec.
	<b>rtpmap</b>	Integer	It defines the payload of the codec.
[ audio1 ] path = /config/voip/sipAccount0.cfg [ 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	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:		
	<b>[ audio0 ]</b> enable = 1 PayloadType = PCMU priority = 1 rtpmap = 0 <b>[ audio1 ]</b> enable = 1 PayloadType = PCMA priority = 2 rtpmap = 8 <b>[ audio2 ]</b> enable = 0 PayloadType = G723_53 priority = 0 rtpmap = 4 <b>[ audio3 ]</b> enable = 0 PayloadType = G723_63 priority = 0 rtpmap = 4	<b>[ audio4 ]</b> enable = 1 PayloadType = G729 priority = 3 rtpmap = 18 <b>[ audio5 ]</b> enable = 1 PayloadType = G722 priority = 4 rtpmap = 9 <b>[ audio6 ]</b> enable = 0 PayloadType = iLBC priority = 0 rtpmap = 102 <b>[ audio7 ]</b> enable = 0 PayloadType = G726-16 priority = 0 rtpmap = 112	<b>[ audio8 ]</b> enable = 0 PayloadType = G726-24 priority = 0 rtpmap = 102 <b>[ audio9 ]</b> enable = 0 PayloadType = G726-32 priority = 0 rtpmap = 2 <b>[ audio10 ]</b> enable = 0 PayloadType = G726-40 priority = 0 rtpmap = 104
[ WAN ]	<b>WANType</b>	0,1 or 2	It defines the type of <b>Internet Port (WAN)</b> .

path = /config/Network/Network.cfg			0 stands for DHCP. 1 stands for PPPoE. 2 stands for Static IP Address. The default is 0.
	<b>WANStaticIP</b>	IP Address	It defines the <b>IP Address</b> when using static WAN settings. The default is blank.
	<b>WANSubnetMask</b>	Network Mask	It defines the <b>Subnet Mask</b> when using static WAN settings. The default is blank.
	<b>WANDefaultGateway</b>	IP Address	It defines the <b>Default Gateway</b> when using static WAN settings. The default is blank.
[ DNS ] path = /config/Network/Network.cfg	<b>PrimaryDNS</b>	IP Address	It defines the <b>Primary DNS</b> when using static WAN settings. The default is blank.
	<b>SecondaryDNS</b>	IP Address	It defines the <b>Secondary DNS</b> when using static WAN settings. The default is blank.
[ PPPoE ] path = /config/Network/Network.cfg	<b>PPPoEUser</b>	String	It defines the <b>User</b> name when using PPPoE WAN settings. The default is blank.
	<b>PPPoEPWD</b>	String	It defines the <b>Password</b> when using PPPoE WAN settings. The default is blank.
[ LAN ] path = /config/Network/Network.cfg	<b>LANTYPE</b>	0 or 1	It defines the type of <b>PC Port (LAN)</b> . 0 stands for <b>Router</b> . 1 stands for <b>Bridge</b> . The default is 1.
	<b>RouterIP</b>	IP Address	It defines the <b>IP Address</b> when the LAN is set as Router. The default is 10.0.0.1
	<b>LANSubnetMask</b>	Network Mask	It defines the <b>Subnet Mask</b> when the LAN is set as Router. The default is 255.255.255.0.
	<b>EnableDHCP</b>	0 or 1	It means whether to enable <b>DHCP</b> server when the LAN is set as Router. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>DHCPStartIP</b>	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.
	<b>DHCPEndIP</b>	IP Address	
	<b>SpanToPCPort</b>	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	<b>ISVLAN</b>	0 or 1	It defines the VLAN <b>Active</b> option of <b>WAN Port</b> . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>VID</b>	Integer from 0 to 4094	It defines the <b>VID</b> of <b>WAN Port</b> . The default is 0.
	<b>USRRIORITY</b>	Integer from 0 to 7	It defines the VLAN <b>USRRIORITY</b> of <b>WAN Port</b> . The default is 0.
	<b>PC_PORT_VLAN_ENABLE</b>	0 or 1	It defines the VLAN <b>Active</b> option of <b>PC Port</b> . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>PC_PORT_VID</b>	Integer from 0 to 4094	It defines the <b>VID</b> of <b>PC Port</b> . The default is 0.
	<b>PC_PORT_PRIORITY</b>	Integer from 0 to 7	It defines the VLAN <b>USRRIORITY</b> of <b>PC Port</b> . The default is 0.
[ QOS ] path = /config/Network/Network.cfg	<b>RTPTOS</b>	Integer from 0 to 63	It defines the value of <b>Voice QoS</b> . The default is 40
	<b>SIGNALTOS</b>	Integer from 0 to 63	It defines the value of <b>SIP QoS</b> . The default is 40
[ RTPPORT ] path = /config/Network/Network.cfg	<b>MaxRTPPort</b>	Integer from 0 to 65535	It defines the <b>MaxRTPPort</b> of <b>Local RTP Port</b> . The default is 11800.
	<b>MinRTPPort</b>	Integer from 0 to 65535	It defines the <b>MinRTPPort</b> of <b>Local RTP Port</b> . The default is 11780.
[ SYSLOG ] path = /config/Network/Network.cfg	<b>SyslogIP</b>	IP Address	It defines the server where the syslog is supposed to be exported onto.
[ telnet ] path = /config/Network/Network.cfg	<b>telnet_enable</b>	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	<b>Mode</b>	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.

	<b>Identity</b>	String	It defines the identity The default is blank.
	<b>MD5Passwd</b>	String	It defines the password for the identity The default is blank.
[ VPN ] path = /config/Network/Network.cfg	<b>EnableVPN</b>	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	<b>WANPortLink</b>	Integer from 0 to 4	It defines the <b>speed of WAN Port.</b> 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.
	<b>PCPortLink</b>	Integer from 0 to 4	It defines the <b>speed of PC Port.</b> 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	<b>WebLanguage</b>	Language Name	It defines the <b>Language</b> 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.
	<b>ActiveWebLanguage</b>	Language Name	It defines the <b>Language</b> 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	<b>TimeZone</b>	Time Zone from -11 to +12	It defines the <b>Time Zone</b> you expect to use on the phone. The default is +8.
	<b>TimeZoneName</b>	All the available Time Zone	It defines the <b>Time Zone Name</b> of the corresponding Time Zone. The default is China(Beijing).

	Name in the phone.	
<b>TimeServer1</b>	Domain name or IP Address	It defines the <b>Primary NTP Server</b> . The default is cn.pool.ntp.org.
<b>TimeServer2</b>	Domain name or IP Address	It defines the <b>Secondary NTP Server</b> . The default is cn.pool.ntp.org.
<b>Interval</b>	Integer	It defines the <b>Update Interval</b> when using NTP Server. The default is 1000(seconds).
<b>SummerTime</b>	0, 1 or 2	It defines the activity of <b>Daylight Saving Time</b> . 0 stands for Disabled. 1 stands for Enabled. 2 stands for Automatic. The default is 2.
<b>DSTTimeType</b>	0 or 1	It defines the <b>Fixed Type</b> of Daylight Saving Time. 0 stands for By Date. 1 stands for By Week. The default is blank.
<b>StartTime</b>	SPECIAL	It defines the <b>StartTime</b> of Daylight Saving Time. If the <b>Fixed Type</b> for Daylight Saving time is <b>By Date</b> , its value rule is MM/DD/HH which means Month/Day/Hour. If the <b>Fixed Type</b> for Daylight Saving time is <b>By Week</b> , 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 <sup>th</sup> week in January. The default is blank.
<b>EndTime</b>	SPECIAL	It defines the <b>EndTime</b> of Daylight Saving Time. Its rule is similar to StartTime. The default is blank.
<b>OffsetTime</b>	Integer from -300 to 300	It defines the Offset of Daylight Saving Time. The default is blank.
<b>TimeFormat</b>	0 or 1	It defines the value of <b>Time Format</b> . 0 stands for 12 Hour format. 1 stands for 24 Hour format. The default is 0.
<b>DateFormat</b>	Integer from 0 to 6	It defines the value of <b>Date Format</b> . 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 ] path = /config/Setting/Setting.cfg</p>	<b>InterDigitTime</b>	Integer	<p>It defines the <b>Inter Digit Time</b>.</p> <p>The default is 4(seconds).</p>
	<b>FlashHookTimer</b>	Integer from 0 to 800	<p>It defines the <b>Flash Hook Time</b>.</p> <p>The default is 1(ms)</p>
	<b>Lock</b>	0,1,2 or 3	<p>It defines the type of <b>Keyboard Lock</b>.</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&amp;Answer.</p> <p>The default is 0.</p>
	<b>Ringtype</b>	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>
	<b>Contrast</b>	Integer from 1 to 10	<p>It defines the <b>LCD Contrast</b>. The parameter depends on model types. Eg. SIP-T20P doesn't support it.</p> <p>The default is 6.</p>
	<b>BackLight</b>	1,2 or 3	<p>It defines the <b>Backlight Brightness</b>. The parameter depends on model types.SIP-T20 doesn't support it.</p> <p>The default is 2.</p>
	<b>BacklightTime</b>	0,1,15,30,60 or 120	<p>It defines the <b>Backlight Time</b>. 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>
<b>ProductName</b>	String	<p>It defines the <b>Product Name</b> 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.
	<b>RingVol</b>	Integer from 0 to 15	It defines the ring volume. 0 is the minimum value meaning silence. 15 is the maximum value.
	<b>HandFreeSpkVol</b>	Integer from 0 to 15	It defines the receiving volume of Speaker. The default is 8.
	<b>HandFreeMicVol</b>	Integer from 0 to 15	It defines the sending volume of Speaker. The default is 8.
	<b>HandSetSpkVol</b>	Integer from 0 to 15	It defines the receiving volume of Handset. The default is 8.
	<b>HandSetMicVol</b>	Integer from 0 to 15	It defines the sending volume of Handset. The default is 8.
	<b>HeadSetSpkVol</b>	Integer from 0 to 15	It defines the receiving volume of Headset. The default is 8.
	<b>HeadSetMicVol</b>	Integer from 0 to 15	It defines the sending volume of Headset. The default is 8.
	<b>RingForTranFailed</b>	Ring name	It defines the default Ring tone that has been used while Transfer failed, for example, Ring1.wav, Ring2.wav and alike.
	<b>LogonWizard</b>	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.
	<b>PreDialAutoDial</b>	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.
	<b>IsDeal180</b>	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.
	<b>DialNowDelay</b>	Integer	It defines the delay time of dial now. The default is 1(second).
[ SignalToneVol ] path = /config/Setting/Setting.cfg	<b>Handset</b>	Integer from 0 to 15	It defines the volume of dial tone on handset. The default is 8.
	<b>Headset</b>	Integer from 0 to 15	It defines the volume of dial tone on headset. The default is 8.
	<b>Handfree</b>	Integer from 0 to 15	It defines the volume of dial tone on Speaker. The default is 8.
[ AlertInfo0 ]	<b>Text</b>	String	It defines the first <b>Internal Ringer Text</b> .

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

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

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

	<b>BroadsoftFeatureKeySync</b>	0 or 1	It defines whether to enable Broadsoft feature Sync. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>PswDialEnable</b>	0 or 1	It defines whether to enable Password Dial function. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>PswPrefix</b>	Integer	It defines <b>Prefix</b> of the Password Dial function. The default is blank.
	<b>PswLength</b>	Integer	It defines the length of password after the Password Prefix in Password Dial function. The default is blank.
	<b>SaveCallHistory</b>	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.
	<b>HistorySaveDisplay</b>	0 or 1	It defines whether to display <b>Save Call History</b> option on web interface. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
[ RingerDevice ] path = /config/Features/Phone.cfg	<b>IsUseHeadset</b>	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	<b>IsOnHookTrans</b>	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	<b>EnableRedial</b>	0 or 1	It defines whether to enable/disable <b>Auto redial</b> . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	<b>RedialInterval</b>	Integer from 1 to 300	It defines the value of <b>Auto redial interval</b> . The default is 10 (seconds).
	<b>RedialTimes</b>	Integer from 1 to 300	It defines the value of <b>Auto redial times</b> . The default is 10.

[ PoundSend ] path = /config/Features/Phone.cfg	<b>Enable</b>	0,1 or 2	It defines the <b>Key As Send</b> . 0 stands for Disabled. 1 stands for # key. 2 stands for * key. The default is 1.
[ Emergency ] path = /config/Features/Phone.cfg	<b>Num</b>	Phone numbers separated by commas	It defines the <b>Emergency</b> numbers separated by commas. For example, it can be specified as:911,999,110,120 The default is blank.
[ Logo ] path = /config/Features/Phone.cfg	<b>TextLogo</b>	Characters	It defines the test logo show in T20 LCD. The default is blank.
[ memory1 ] path = /config/vpPhone/vpPhone.ini	<b>Line</b>	Integer from 0 to max line number	Seen from the web, it reflects the value under <b>Line</b> title. It defines the <b>Line</b> you are going to use for a specific function (if the function needs to specify a line). Normally,0 stands for Auto,1 stands for Line1 and so on. 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. 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. The default is 0.
	<b>type</b>	blf or bla	It is used when configuring a DSS Key as <b>BLF</b> or <b>Shared Line</b> . blf stands for BLF. bla stands for Shared Line. No default value.
	<b>Value</b>	It depends	Seen from the web, it reflects the value under <b>Extension</b> title. 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. The default is blank.
	<b>PickupValue</b>	String	It is used only for BLF. It defines the pickup number that your server allocates.
	<b>Label</b>	String	It is used only for T28 line key and EXP 39. It defines the label show on the LCD.
	<b>DKtype</b>	Integer	It's a number reflects the key function. 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.</p>
	<p><b>XMLPhoneBook</b></p>	<p>The available XML Phonebook (0 to 4) or Local Group number/Broadsoft (0 to 5)</p>	<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.          Note: This option is available only when DKtype is 22/45/46.          The default is 0.</p>
<p>[ memory2 ] path = /config/vpPhone/vpPhone.ini</p>	<p>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.</p>		
<p>[ memory3 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory4 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory5 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory6 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory7 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory8 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory9 ] path = /config/vpPhone/vpPhone.ini</p>			
<p>[ memory10 ] path = /config/vpPhone/vpPhone.ini</p>			

[ memory11 ] 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>		
[ 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			
[ Profile ] path = /config/vpm.cfg	<b>VAD</b>	0 or 1	<p>It defines the activity status of <b>VAD</b>.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0</p>
	<b>CNG</b>	0 or 1	<p>It defines the activity status of <b>CNG</b>.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	<b>ECHO</b>	0 or 1	<p>It defines the activity status of <b>Echo canceller</b>.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	<b>SIDE_TONE</b>	-3 or -32768	<p>It is an invisible setting which can only be configured via auto provision.</p> <p>-32768 stands for Disable Side tone.</p> <p>-3 stands for Enable Side tone.</p> <p>The default is -3.</p>
	<b>headset_send</b>	Integer from 1 to 53	<p>It defines the send sound from headset.</p> <p>The default is 29.</p>
[ Jitter ] path = /config/vpm.cfg	<b>Adaptive</b>	0 or 1	<p>It defines the Type of Jitter Buffer.</p> <p>0 stands for Fixed.</p> <p>1 stands for Adaptive.</p> <p>The default is 1.</p>
	<b>Min</b>	Integer	<p>It defines the value of <b>Min Delay</b>.</p> <p>The default is 0.</p>
	<b>Max</b>	Integer	<p>It defines the value of <b>Max Delay</b>.</p> <p>The default is 300.</p>
	<b>Nominal</b>	Integer	<p>It defines the value of <b>Normal Delay</b>.</p> <p>The default is 120.</p>
[ Message ] path = /config/Features/Message.cfg	<b>VoiceNumber0</b>	String	<p>It defines <b>Voice Mail</b> number of account1.</p> <p>The default is blank.</p>
	<b>VoiceNumber1</b>	String	<p>It defines <b>Voice Mail</b> number of account2.</p>

			The default is blank.
	<b>VoiceNumber2</b>	String	It defines <b>Voice Mail</b> number of account3 if the account exists. The default is blank.
	<b>VoiceNumber3</b>	String	It defines <b>Voice Mail</b> number of account4 if the account exists. The default is blank.
	<b>VoiceNumber4</b>	String	It defines <b>Voice Mail</b> number of account5 if the account exists. The default is blank.
	<b>VoiceNumber5</b>	String	It defines <b>Voice Mail</b> number of account6 if the account exists. The default is blank.
[ Country ] path = /config/voip/tone.ini	<b>Country</b>	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	<b>Dial</b>	String	It defines the tone of <b>Dial</b> 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.
	<b>Ring</b>	String	It defines the tone of <b>Ring Back</b> . The format is the same as dial. The default is blank.
	<b>Busy</b>	String	It defines the tone of <b>Busy</b> . The format is the same as dial. The default is blank.
	<b>Congestion</b>	String	It defines the tone of <b>Congestion</b> . The format is the same as dial. The default is blank.
	<b>Callwaiting</b>	String	It defines the tone of <b>Call Waiting</b> . The format is the same as dial. The default is blank.
	<b>Dialrecall</b>	String	It defines the tone of <b>Dial Recall</b> . The format is the same as dial. The default is blank.
	<b>Record</b>	String	It defines the tone of <b>Record</b> .

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

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

	7		
	8		
	9		
	10		
[ DialNow ] path = /tmp/dialnow.xml	server_address	URL	<p>DialNow should upload through XML file. For example the XML file can edited as below:</p> <pre>&lt;?xml version="1.0" encoding="UTF-8" ?&gt; &lt;DialNow&gt;   &lt;Data DialNowRule="11" LineID="1" /&gt;   &lt;Data DialNowRule="11" LineID="1" /&gt; &lt;/DialNow&gt;</pre>
[ AreaCode ] path = /config/DialRule/areacode.cfg	Code	Integer	It defines the <b>Code</b> of Area Code. The default is blank.
	Minlen	Integer	It defines the <b>Min Length</b> of Area Code. The default is blank.
	Maxlen	Integer	It defines the <b>Max Length</b> 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		

	<b>10</b>		
[ BlockOutLineID ] path = /config/DialRule/BlockOut.cfg	<b>1</b>	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
	<b>2</b>	They share the same Permitted Value and rules as <b>1</b> .	
	<b>3</b>		
	<b>4</b>		
	<b>5</b>		
	<b>6</b>		
	<b>7</b>		
	<b>8</b>		
	<b>9</b>		
	<b>10</b>		
[ RemotePhoneBook0 ] path = /config/Setting/Setting.cfg	<b>URL</b>	HTTP URL	It defines the <b>Phone book url</b> which must be a url linking to an XML-format phonebook like <a href="http://192.168.0.231/Vin/phonebook1.xml">http://192.168.0.231/Vin/phonebook1.xml</a> The default is blank.
	<b>Name</b>	String	It defines the <b>Phone book name</b> 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	<b>Password</b>	String	It defines the new password for <b>admin</b> .
[ UserPassword ] path = /config/Setting/autop.cfg	<b>Password</b>	String	It defines the new password for <b>user</b> .
[ UserName ] path = /config/Advanced/Advanced.cfg	<b>Admin</b>	String	It defines the name of admin. The default is admin
	<b>User</b>	String	It defines the name of user. The default is user
[ Webserver Type ] path = /config/Advanced/Advanced.cfg	<b>WebType</b>	0,1,2 or 3	It defines the <b>WebServer Type</b> . 0 stands for Disabled. 1 stands for HTTP & HTTPS. 2 stands for HTTP Only. 3 stands for HTTPS Only. The default is 1.

<p>[ Webserver Type ] path = /config/Advanced/Advanced.cfg</p>	<p><b>WebType</b></p>	<p>0,1,2 or 3</p>	<p>It defines the WebServer Type. 0 stands for Disabled. 1 stands for HTTP &amp; HTTPS. 2 stands for HTTP Only. 3 stands for HTTPS Only. The default is 1.</p>
<p>[ Forbidden ] path = /config/Setting/AdvSetting.cfg</p>	<p><b>DND</b></p>	<p>0 or 1</p>	<p>It defines whether to have the authority to use DND feature. 0 stands for Enabled. 1 stands for Disabled. The default is 0.</p>
	<p><b>FWD</b></p>	<p>0 or 1</p>	<p>It defines whether to have the authority to use Forward Active feature. 0 stands for Enabled. 1 stands for Disabled. The default is 0.</p>
<p>[ FactoryConfig ] path = /config/Setting/AdvSetting.cfg</p>	<p><b>CustomEnabled</b></p>	<p>0 or 1</p>	<p>It defines whether to enable custom factory setting. 0 stands for Disabled. 1 stands for Enabled. The default is 0.</p>
<p>[ Transfer ] path = /config/Setting/AdvSetting.cfg</p>	<p><b>EnableSemiAttendTran</b></p>	<p>0 or 1</p>	<p>It defines whether to enable Semi attend transfer. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	<p><b>BlindTranOnHook</b></p>	<p>0 or 1</p>	<p>It defines whether to enable Blind transfer. 0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
	<p><b>TranOthersAfterConf</b></p>	<p>0 or 1</p>	<p>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.</p>
<p>[ sip ] path = /config/Setting/AdvSetting.cfg</p>	<p><b>RFC2543Hold</b></p>	<p>0 or 1</p>	<p>It defines whether to use RFC2543 Hold. 0 stands for Disabled. 1 stands for Enabled. The default is 0.</p>
	<p><b>ReservePound</b></p>	<p>0 or 1</p>	<p>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.</p>
	<p><b>UseOutBoundInDialog</b></p>	<p>0 or 1</p>	<p>It defines whether to use Outbound in dialog.</p>

			<p>0 stands for Disabled. 1 stands for Enabled. The default is 1.</p>
<p>[programablekey1] path = /config/vpPhone/vpPhone.ini</p>	<p><b>Line</b></p>	<p>Integer from 0 to max line number</p>	<p>Seen from the web, it reflects the value under <b>Line</b> title. It defines the <b>Line</b> you are going to use for a specific function (if the function needs to specify a line). Normally,0 stands for Auto,1 stands for Line1 and so on. However, it's a little different when configured as <b>BLA</b> or <b>BLF</b> or <b>BLF List</b> in which case 0 stands for Line1, 1 stands for Line2 and so on. 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. The default is 0.</p>
	<p><b>Value</b></p>	<p>It depends</p>	<p>Seen from the web, it reflects the value under <b>Extension</b> title. 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. The default is blank.</p>
	<p><b>DKtype</b></p>	<p>Integer</p>	<p>It's a number reflects the key function. 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 The default is 0.</p>
	<p><b>XMLPhoneBook</b></p>	<p>The available XML Phonebook (0 to 4) or Local Group</p>	<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	<p>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</p>		
[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		<b>IsDefineKey</b>	0 or 1
[ LDAP ] Path = /config/Contacts/LDAP.cfg	<b>NameFilter</b>	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.
	<b>NumberFilter</b>	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.
	<b>host</b>	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
	<b>port</b>	Integer	It defines the LDAP server port.  The default is 389
	<b>base</b>	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.
	<b>user</b>	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.
	<b>pswd</b>	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.
<b>MaxHits</b>	Integer from 1 to 32000	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. The default is blank.
<b>NameAttr</b>	Space separated name attributes	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. The default is blank.
<b>NumbAttr</b>	space separated number attributes	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. The default is blank.
<b>DisplayName</b>	%cn %sn	This setting is for showing the entry information on the screen. The default is blank.
<b>version</b>	version 3/version 2	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. The default is version 3.
<b>SearchDelay</b>	Integer from 0 to 2000	This setting is for configuring the delay display time after search. The default is 0
<b>CallInLookup</b>	0 or 1	This setting can be used to enable calling line identification using LDAP. When the

			<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>
	<b>LDAPSort</b>	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>
	<b>DialLookup</b>	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 ] path = /config/TR069/tr069.ini</p>	<b>EnableTR069</b>	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>
	<b>ConnectionRequestUserName</b>	String	It defines the User Name of ACS account.
	<b>ConnectionRequestPassword</b>	String	It defines the Password of ACS account.
	<b>url</b>	String	It defines the URL of ACS server.
	<b>PeriodicInformEnable</b>	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>
	<b>PeriodicInformInterval</b>	Integer	It defines the periodic inform interval time. The default is 60. The range of value depends on ACS .
	<b>Username</b>	String	It defines the <b>User Name</b> that ACS try to contact phone.
	<b>Password</b>	String	It defines the <b>Password</b> that ACS try to contact phone.
[ Account0 ]	<b>DisplayName</b>	String	It defines the <b>Display Name</b> of the first

path = /config/Contacts/BroadSoft.cfg			Broadsoft phonebook The default is blank.
	<b>Server</b>	String	It defines the <b>Server</b> of the first Broadsoft phonebook. The default is blank.
	<b>Port</b>	Integer	It defines the <b>Port</b> of the first Broadsoft phonebook. The default is blank.
	<b>UserName</b>	String	It defines the <b>User Name</b> of the first Broadsoft phonebook. The default is blank..
	<b>PassWord</b>	String	It defines the <b>Password</b> 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	<b>DisplayName</b>	String	It defines the <b>Display Name</b> of the first Broadsoft Call Log. The default is blank.
	<b>Server</b>	String	It defines the <b>Server</b> of the first Broadsoft Call Log. The default is blank.
	<b>Port</b>	Integer	It defines the <b>Port</b> of the first Broadsoft Call Log. The default is blank.
	<b>UserName</b>	String	It defines the <b>User Name</b> of the first Broadsoft Call Log. The default is blank.
	<b>PassWord</b>	String	It defines the <b>Password</b> 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	<b>IsUse</b>	0 or 1	It defines whether to enable <b>WatchDog</b> . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>Time</b>	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	<b>RegSurgePrevention</b>	Integer from 0 to 60	It defines the time of <b>Registration Random</b> . The default time is 0(seconds).
[ Zero ] path = /config/Advanced/Advanced.cfg	<b>ForbidZero</b>	0 or 1	It defines whether to enable <b>Zero-Sp-Touch</b> . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	<b>WaitTime</b>	Integer	It defines the value of <b>Wait Time</b> . The default is 5 (seconds).
[ TrustedCertificates ] path = /tmp/ certificate0.crt.crt	<b>server_address</b>	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	<b>option</b>	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.
	<b>server_address</b>	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	<b>TrustCertificates</b>	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	<b>server_address</b>	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".
	<b>option</b>	delete	It is need when you want to delete the certificate which was uploaded.
[ ACD ] path = /config/Features/Phone.cfg	<b>AutoAvailable</b>	0 or 1	It defines whether to enable <b>ACD Auto Available</b> function. 0 stands for Disable. 1 stands for Enable. The default is 0.
	<b>AutoAvailableTimer</b>	Integer from 0 to 120	It defines the interval time that <b>ACD account automatically</b> enabled. The default is 60(seconds).
	<b>Broadsoft</b>	0 or 1	It defines whether to enable <b>Broadsoft ACD</b>

			<p><b>synchronization.</b></p> <p>0 stands for Disable.</p> <p>1 stands for Enable.</p> <p>The default is 0.</p>
<p>[ PushXML ]</p> <p>path = /config/Setting/AdvSetting.cfg</p>	<b>ServerIP</b>	url	<p>It defines the URL of Push XML server.</p> <p>The default is blank.</p>
<p>[ LLDP ]</p> <p>path = /config/Network/Network.cfg</p>	<b>EnableLLDP</b>	0 or 1	<p>It defines whether to enable <b>LLDP</b> function.</p> <p>0 stands for Disable.</p> <p>1 stands for Enable.</p> <p>The default is 0(seconds).</p>
	<b>PacketInterval</b>	Integer from 1 to3600	<p>It defines the Packet Interval time.</p> <p>The default is 120.</p>
<p>[ ActionURL ]</p> <p>path = /config/Features/Phone.cfg</p>	<b>SetupCompleted</b>	String	<p>It defines the URL of it corresponding function.</p> <p>The default is blank.</p>
	<b>LogOn</b>	String	
	<b>LogOff</b>	String	
	<b>RegisterFailed</b>	String	
	<b>Offhook</b>	String	
	<b>Onhook</b>	String	
	<b>IncomingCall</b>	String	
	<b>OutgoingCall</b>	String	
	<b>CallEstablished</b>	String	
	<b>DNDOOn</b>	String	
	<b>DNDOff</b>	String	
	<b>AlwaysFWDOOn</b>	String	
	<b>AlwaysFWDOff</b>	String	
	<b>BusyFWDOOn</b>	String	
	<b>BusyFWDOff</b>	String	
	<b>NoAnswerFWDOOn</b>	String	
	<b>NoAnswerFWDOff</b>	String	
	<b>TransferCall</b>	String	
	<b>BlindTransferCall</b>	String	
	<b>AttendedTransferCall</b>	String	
<b>Hold</b>	String		
<b>Unhold</b>	String		
<b>Mute</b>	String		
<b>Unmute</b>	String		
<b>MissedCall</b>	String		
<b>CallTerminated</b>	String		
<p>[ BroadSoft ]</p> <p>path = /config/Contacts/BroadSoft.cfg</p>	<b>BWCallLogandDir</b>	0 or 1	<p>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.</p>

			Note: The precondition of this option is the <b>BeHaveCallLog</b> and <b>BeHaveBWDDir</b> both enable. 0 stands for Disable. 1 stands for Enable. The default is 0.
	<b>BeHaveCallLog</b>	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.
	<b>BeHaveBWDDir</b>	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	<b>server_address</b>	url	It could upload the xml file of Custom SoftKey in <b>Dialing</b> Call State.
[CustomSoftKey_Talking] path = /tmp/Talking.xml	<b>server_address</b>	url	It could upload the xml file of Custom SoftKey in <b>Talk / Hold / Held / PreConf / PreTrans / InConference / InConferenceTalk / Conferenced</b> Call State.
[CustomSoftKey_Connecting] path = /tmp/Connecting.xml	<b>server_address</b>	url	It could upload the xml file of Custom SoftKey in <b>Connecting / SemiAttendTrans</b> Call State.
[CustomSoftKey_RingBack] path = /tmp/RingBack.xml	<b>server_address</b>	url	It could upload the xml file of Custom SoftKey in <b>RingBack / SemiAttendTransBack</b> Call State.
[CustomSoftKey_CallIn] path = /tmp/CallIn.xml	<b>server_address</b>	url	It could upload the xml file of Custom SoftKey in <b>CallIn</b> Call State.
[CustomSoftKey_CallFailed] path = /tmp/CallFailed.xml	<b>server_address</b>	url	It could upload the xml file of Custom SoftKey in <b>CallFailed</b> 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.