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Auto Provision Manual

(For T32/T38)

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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:

- 1.1 Obtain a server address in which store the configuration files.
- 1.2 Download the configuration files from the configured server.
- 1.3 Resolve and apply the configurations written in the configuration file.
- 1.4 Do other updates, for example the firmware updating.

The Configuration webpage for Auto-Provision is as below:

The screenshot displays the Yealink web interface for configuring auto-provisioning. The top navigation bar includes tabs for Status, Account, Network, DSS Key, Phone (selected), Contacts, and Security. The left sidebar lists various configuration categories, with 'Auto Provision' highlighted. The main configuration area is titled 'Auto provision' and contains the following settings:

- PNP Active:** Radio buttons for On (selected) and Off.
- DHCP Active:** Radio buttons for On (selected) and Off.
- Custom Option(128~254):** A text input field.
- Custom Option Type:** A dropdown menu set to 'String'.
- Server URL:** A text input field.
- Common AES Key:** A text input field.
- MAC-Oriented AES Key:** A text input field.
- ZeroActive:** A dropdown menu set to 'Disabled'.
- WaitTime:** A text input field set to '5'.
- Check New Config:** Radio buttons for On (selected) and Off.
- Repeatly:** Radio buttons for On and Off (selected).
- Interval(Minutes):** A text input field set to '1440'.
- Weekly:** Radio buttons for On and Off (selected).
- Time:** A time selection field set to '00 : 00 -- 00 : 00'.
- Day of week:** Checkboxes for Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday, all of which are checked.

At the bottom of the configuration area are 'Confirm' and 'Cancel' buttons. On the right side, a 'NOTE' box contains the text: 'Remote phone book. This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook.' An 'Autoprovision Now' button is also present at the bottom right of the configuration area.

1.1 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:

1.1.1 Pushed by Zero-Sp-Touch

Zero-Sp-Touch is a function which can help users to configure Auto Provision and network parameters quickly. By default the value will be Disabled, so that if you want to use Zero-Sp-Touch function, you must enable it as below:

The screenshot shows the Yealink web interface with the 'Phone' tab selected. In the 'Auto provision' section, the 'ZeroActive' dropdown is set to 'Enabled' and the 'WaitTime' is set to '5'. A red box highlights these two settings. The left sidebar shows 'Auto Provision' selected. The right sidebar contains a 'NOTE' about the 'Remote phone book' feature.

By default the Wait Time would be 5 seconds. After this function is enabled, there will be a Config Guide popping out on LCD during booting up process. User can press OK key within Wait Time to make Auto Provision configuration.

1.1.2 Pushed by PnP servers

If you want to use PnP server for Auto-Provision, you must pre-install a PnP server and make sure the Value of PNP Active on is “On” as below:

The screenshot shows the 'Auto provision' configuration page in the Yealink web interface. The 'Phone' tab is selected, and the 'Auto Provision' sub-tab is active. The 'PNP Active' setting is highlighted with a red box and is set to 'On'. Other settings include 'DHCP Active' (On), 'Custom Option(128~254)' (empty), 'Custom Option Type' (String), 'Server URL' (empty), 'Common AES Key' (empty), 'MAC-Oriented AES Key' (empty), 'ZeroActive' (Disabled), 'WaitTime' (5), 'Check New Config' (On), 'Repeatedly' (On), 'Interval(Minutes)' (1440), 'Weekly' (On), 'Time' (00:00:00), and 'Day of week' (all days selected). A 'Remote phone book' note is visible on the right side of the page.

Note: Plug 'n Play (PnP) provides a proprietary method to enable "Auto Provisioning". By default the value will be Enabled. When **PnP config** is Enabled, the phone will send SIP SUBSCRIBE messages to a multicast address. Any SIP server understanding that message may 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).

1.1.3 Detect DHCP custom option.

It must be configured on the phone by web management as below:

Yealink Log Off

Phone | Status | Account | Network | DSS Key | Contacts | Security

Auto Provision

PNP Active ☒ On ☐ Off ?

DHCP Active ☒ On ☐ Off ?

Custom Option(128~254) ?

Custom Option Type String ?

Server URL ?

Common AES Key ?

MAC-Oriented AES Key ?

ZeroActive Disabled ?

WaitTime 5 ?

Check New Config ☒ On ☐ Off ?

Repeatly ☐ On ☒ Off

Interval(Minutes) 1440

Weekly ☐ On ☒ Off

Time 00 : 00 -- 00 : 00

Day of week

☒ Sunday

☒ Monday

☒ Tuesday

☒ Wednesday

☒ Thursday

☒ Friday

☒ Saturday

Autoprovision Now ?

Confirm Cancel

NOTE

Remote phone book
This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook

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. If the phone fails to get any information from custom option (eg. "Custom option" is left blank), it will go to detect DHCP Option 66.

Note.

If DHCP Active is "off" as below, T3X color phone will not go to detect any DHCP Option during boots up.

Yealink Log Off

Phone | Status | Account | Network | DSS Key | Contacts | Security

Auto Provision

PNP Active ☒ On ☐ Off ?

DHCP Active ☐ On ☒ Off ?

Custom Option(128~254) ?

Custom Option Type String ?

Server URL ?

Common AES Key ?

MAC-Oriented AES Key ?

ZeroActive Disabled ?

WaitTime 5 ?

Check New Config ☒ On ☐ Off ?

Repeatly ☒ On ☐ Off

Interval(Minutes) 50

Weekly ☒ On ☐ Off

Day of week

☒ Sunday

☒ Monday

☒ Tuesday

☒ Wednesday

☒ Thursday

☒ Friday

☒ Saturday

Autoprovision Now ?

Confirm Cancel

NOTE

Remote phone book
This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook

1.1.4 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.

1.1.5 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.

1.1.6 Detect the phone flash.

The value of Server URL can be read from phone web management as below:

The screenshot shows the Yealink web management interface. The 'Phone' tab is selected. In the 'Auto Provision' section, the 'Server URL' is set to 'http://10.1.3.101:8080/'. The 'Check New Config' option is set to 'On'. The 'NOTE' section on the right states: 'Remote phone book. This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook.'

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. For some Servers, it will ask for an Authentication before login. For example FTP server always has this requirement. If you want to get access to ftp server 10.1.0.27 where user name is **yealink** and password 123, and the configuration file is placed under "autop" directory, you should fill in

<ftp://yealink:123@10.1.0.27:7/autop> in the field. If the phone fails to get any information from phone flash, the current round of obtaining server address will stop here.

1.2 Download configuration files

There are 2 kinds of configuration files, both of them are CFG formatted file which the phone will try to download from the server. We call them Common CFG file and MAC-oriented CFG file respectively. The Common CFG file can be effectual for all the phones of the same right model. However, a MAC-oriented CFG file can only be effectual for one 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 a specific phone. The names of the Common CFG file for each model are:

T32: y0000000000032.cfg

T38: y0000000000038.cfg

There are 10 zeros between the letter y and the last non-zero number. For instance, for a T38 which MAC address is 0015651f816b, the 2 configuration files for it will be: y0000000000038.cfg and 0015651f816b.cfg. Having 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 T38 and you want to update firmware for all phones, you just need to prepare only one y0000000000038.cfg in which defines the firmware update request, then put it onto the provisioning server.

If there are both Common CFG file and MAC-oriented CFG file placed on the server, the phone will go and get Common CFG first and then MAC-oriented CFG. If there are same items with different values in these two files, the phone will use the value in MAC-oriented CFG file.

Eg. If the time zone is set as +3 in Common CFG file, and +5 in MAC-oriented CFG file, after Auto-Provision, the time zone on the phone will be +5.

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.

1.3 Resolve and apply the configurations

If the CFG configuration files are not encrypted, the phone will resolve and apply the configuration easily.

If the downloaded configuration files have been AES encrypted by the encryption tool, 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: # \$ % * + , - . : = ? @ [] ^ _ { } ~.

The screenshot shows the Yealink web interface with the 'Phone' tab selected. The 'Auto Provision' section is highlighted with a red box. It contains the following fields and values:

- PNP Active: ☒ On ☐ Off
- DHCP Active: ☒ On ☐ Off
- Custom Option(128~254):
- Custom Option Type: String
- Server URL:
- Common AES Key: 1234567890123456
- MAC-Oriented AES Key: 9876543210987654
- ZeroActive: Disabled
- WaitTime: 5
- Check New Config: ☒ On ☐ Off
- Repeatly: ☐ On ☒ Off
- Interval(Minutes): 1440
- Weekly: ☐ On ☒ Off
- Time: 00 : 00 -- 00 : 00
- Day of week: ☒ Sunday, ☒ Monday, ☒ Tuesday, ☒ Wednesday, ☒ Thursday, ☒ Friday, ☒ Saturday

A 'NOTE' section on the right states: 'Remote phone book. This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook.'

Note: You can download the encryption tool in the following link address:

<http://www.yealink.com/fae/AES Encryption Tool.rar>

2. Update Mode:

Power On, Repeatly, Weekly, AutoProvision Now and multi-mode mix.

Note: If you were in talking status, the phone will do the auto provision after you finish talking.

2.1 Power On

Power On means to check new configuration when the phone power on. It will be Enabled if set item “Check New Config” to be “on”, by default “Check New Config” will be “On”, as Below:

The screenshot shows the Yealink web interface with the 'Phone' tab selected. The 'Auto Provision' section is visible, containing various settings. The 'Check New Config' option is highlighted with a red box and is set to 'On'. Other settings include PNP Active, DHCP Active, Custom Option, Custom Option Type, Server URL, Common AES Key, MAC-Oriented AES Key, ZeroActive, WaitTime, Repeately, Interval(Minutes), Weekly, Time, Day of week, and an 'Autoprovision Now' button. A 'NOTE' section on the right mentions 'Remote phone book'.

Setting	Value
PNP Active	On
DHCP Active	On
Custom Option(128~254)	
Custom Option Type	String
Server URL	
Common AES Key	
MAC-Oriented AES Key	
ZeroActive	Disabled
WaitTime	5
Check New Config	On
Repeately	Off
Interval(Minutes)	1440
Weekly	Off
Time	00 : 00 -- 00 : 00
Day of week	Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday
Autoprovision Now	Button

2.2 Repeatly

Repeatly means to check the new configuration on the server at a regular interval.

By default Repeatly mode will be “off”, and default time will be 1440 minutes.

Yealink Log Out

Phone (selected)

Auto Provision

PNP Active ☒ On ☐ Off ?

DHCP Active ☒ On ☐ Off ?

Custom Option(128~254) ?

Custom Option Type String

Server URL ?

Common AES Key ?

MAC-Oriented AES Key ?

ZeroActive Disabled ?

WaitTime 5 ?

Check New Config ☒ On ☐ Off ?

Repeatly ☒ On ☐ Off

Interval(Minutes) 1440

Weekly ☐ On ☒ Off

Time 00 : 00 -- 00 : 00

Day of week ☒ Sunday ☒ Monday ☒ Tuesday ☒ Wednesday ☒ Thursday ☒ Friday ☒ Saturday

Autoprovision Now ?

Confirm Cancel

NOTE

Remote phone book
This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook

2.3 Weekly

Users can set what time of day and which day of week to check new configuration and do auto provision.

Yealink Log_Off

Phone | Status | Account | Network | DSS Key | Contacts | Security

Auto Provision

PNP Active ☒ On ☐ Off ?

DHCP Active ☒ On ☐ Off ?

Custom Option(128~254) ?

Custom Option Type

Server URL ?

Common AES Key ?

MAC-Oriented AES Key ?

ZeroActive ?

WaitTime ?

Check New Config ☒ On ☐ Off ?

Repeatedly ☐ On ☒ Off

Interval(Minutes)

Weekly ☒ On ☐ Off

Time : -- :

Day of week

- ☒ Sunday
- ☒ Monday
- ☒ Tuesday
- ☒ Wednesday
- ☒ Thursday
- ☒ Friday
- ☒ Saturday

?

NOTE

Remote phone book
This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook

2.4 AutoProvision Now

AutoProvision Now means to check new configuration according to the “Server URL” immediately after pressing “Autoprovision Now”.

Yealink Log Off

Status Account Network DSS Key **Phone** Contacts Security

Preference
Features
Upgrade
Auto Provision
Configuration
Dial Plan
Voice
Ring
Tones
SMS
Action URL
Softkey Layout

Auto provision

PNP Active ☒ On ☐ Off ?

DHCP Active ☒ On ☐ Off ?

Custom Option(128~254) ?

Custom Option Type String

Server URL ?

Common AES Key ?

MAC-Oriented AES Key ?

ZeroActive Disabled ?

WaitTime ?

Check New Config ☒ On ☐ Off ?

Repeatly ☐ On ☒ Off

Interval(Minutes)

Weekly ☒ On ☐ Off

Time : -- :

Day of week

☒ Sunday
☒ Monday
☒ Tuesday
☒ Wednesday
☒ Thursday
☒ Friday
☒ Saturday

?

NOTE

Remote phone book
This feature allows you to download contact list from the server. Input the phonebook URL and rename the phonebook

2.5 Multi-mode Mix

Users can also set more than one single mode for the auto provision. For example, if you select both “Check New Config” and “Repeatly” to be on, the phone will go and check the configuration file when power on and also repeatedly.

3. Examples and statement in CFG file

3.1 Cfg flag section

Cfg section is used to update configurations in system.ini, user.ini and sipAccount.cfg files.

Eg. Update configuration of account 1

```
[ cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1 ]
```

```
account.Enable = 1
account.Label = 333223
account.DisplayName = 32323223
account.UserName = 3233223
account.AuthName = 3233223
account.password = 3233223
account.SIPServerHost = 192.168.1.10
account.SIPServerPort = 5060
account.SIPListenPort = 5060
account.Expire = 3600
account.UseOutboundProxy = 0
account.OutboundHost =
account.OutboundPort = 5060
account.EnableSTUN = 0
audio0.enable = 1
audio0.PayloadType = PCMU
audio0.priority = 1
audio0.rtpmap = 0
```

Note:

1) “[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]”: section header.

“cfg”: It is used to identify the configuration type. Cfg section is used for configurations update in system.ini, user.ini and sipAccount.cfg files.

- 2) “/phone/config/voip/sipAccount0.cfg”: It indicates the path of configuration file.
- 3) “/phone/config/voip/sipAccount0.cfg”: It indicates the path of configuration file.
“account=x”: This parameter only works for the account update. If the value of “x” is equal to the value of sipAccountx.cfg, the account will take effect immediately even without reboot. If the value of “x” is unequal to the value of sipAccountx.cfg, it will not take effect without reboot.
Eg. If you set as [cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=0],it will only take effect when you reboot the phone.
- 4) If you set as [cfg:/phone/config/voip/sipAccount0.cfg,account=0;reboot=0], it will take effect immediately after auto-provision.
- 5) “reboot=x”: additional parameter, it should be at the last of the section. When reboot=0, the phone won't reboot after update, if reboot=1, the phone will reboot after update.
- 6) “account.Enable = 1”: Set account 1 to be Enable.
- 7) “account. Label = 333223”: Set the label value of corresponding account, if left blank, the value will be null. Add “;” before the item if you don't want to configure this item.
- 8) Items start with account will take effect only after reboot.

3.2 Rom flag section

Rom section is used for firmware upgrade. The format is as below:

[rom:Firmware]

url = <http://10.1.3.33:9/T3X/x.x.x.x.rom>

Note:

- 1) “[rom:Firmware]”: A flag to indicate for firmware update.
- 2) “url = <http://10.1.3.33:9/T3X/x.x.x.x.rom>”: Specify the path of the firmware.
- 3) The phone will reboot automatically when doing the firmware upgrade.

3.3 Psw flag section

It is used for update users' password. The format is as below:

[psw:phone/config/.htpasswd]

admin=admin

var=var

user=user

Note:

- 1) “[psw:phone/config/.htpasswd]”: Section header.
- 2) “phone/config/.htpasswd”: Path of the file which you want to update
- 3) “admin=xxx”: Set value for admin.
- 4) The changing password auto provision will take effect without reboot.

4. Appendix A

4.1 Description of configuration parameters in CFG file

Section Header and Path	Parameters	Permitted Values	Descriptions
<p>[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]</p> <p>Note:</p> <p>1.SIP IP Phone support 3 or 6 accounts, for each account, there are completely same parameters and they share same permitted values and default values. The difference is just on the path.</p> <p>The path for account1 is:</p> <p>[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=0]</p> <p>The path for account2 is:</p> <p>[cfg:/phone/config/voip/sipAccount1.cfg,account=1;reboot=0]</p> <p>The path for account3 is:</p> <p>[cfg:/phone/config/voip/sipAccount2.cfg,account=1;reboot=0]</p> <p>2.“reboot=0” means phone won’t reboot after update</p>	Parameters as below will take effect after reboot:		
	account.Enable	0 or 1	It defines the Line Active value of account1. 0 stands for off 1 stands for on The default is 0.
	account.Label	String	It defines the Label of account1. The default is blank.
	account.DisplayName	String	It defines the Display Name of account1. The default is blank.
	account.AuthName	String	It defines the Register Name of account1. The default is blank.
	account.UserName	String	It defines the User Name of account1. The default is blank.
	account.password	String	It defines the Password of registration for account1. The default is blank.
	account.SIPServerHost	Domain name or IP Address	It defines the SIP Server of account1. The default is blank.
	account.SIPServerPort	Integer	It defines the Port of the SIP Server of account1. The default is 5060.
	account.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.
	account.OutboundHost	Domain name or IP Address	It defines the Outbound Proxy Server of account1. The default is blank.
	account.OutboundPort	Integer	It defines the Port of the Outbound Proxy Server of account1. The default is 5060.
	account.Transport	0,1,2,3	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.
[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]	account.BakOutboundHost	Domain name or IP Address	It defines the Backup Outbound Proxy Server of account1. The default is blank.
	account.BakOutboundPort	Integer	It defines the Port of Backup Outbound Proxy Server of account1. The default is 5060.
	account.proxy-require	String	It defines the value of Proxy Require of account1. The default is blank.
	account.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.

	account.AnonymousCall_ OnCode	string	It defines the On Code of Anonymous Call of account1. The default is blank.
	account.AnonymousCall_ OffCode	string	It defines the Off Code of Anonymous Call of account1. The default is blank.
	account.RejectAnonymou sCall	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.
	account.AnonymousRejec t_OnCode	string	It defines the On Code of Anonymous Call Rejection of account1. The default is blank.
	account.AnonymousRejec t_OffCode	string	It defines the Off Code of Anonymous Call Rejection of account1. The default is blank.
	account.Expire	Integer	It defines the value of Login Expire of account1. The default is 3600.
	account.SIPListenPort	Integer	It defines the value of Local SIP Port of account1. The default is 5060.
	account.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.
	account.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.
[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]	account.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.
	account.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.
	account.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.
	account.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.
	account.SessionExpires	Integer from 1 to 999	It defines the value of Session Timer of account1. The default is blank.
	account.SessionRefresher	0 or 1	It defines the value of Refresher of account1. 0 stands for Uac.

			<p>1 stands for Uas.</p> <p>The default is 0.</p>
	account.EnableUserEqual Phone	0 or 1	<p>It defines the value of Use user=phone of account1.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0.</p>
	account.srtp_encryption	0 or 1	<p>It defines the value of Voice Encryption (SRTP) of account1.</p> <p>0 stands for off.</p> <p>1 stands for on.</p> <p>The default is 0.</p>
	account.ptime	0,10,20,30,40, 50 or 60	<p>It defines the value of ptime of account1.</p> <p>0 stands for Disabled.</p> <p>10 stands for 10ms.</p> <p>20 stands for 20ms.</p> <p>And alike.</p> <p>The default is 20.</p>
[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]	account.ShareLine	0 or 1	<p>It defines the value of Shared Line of account1.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0.</p>
	account.dialoginfo_callpickup	0 or 1	<p>It defines the value of Dialog-Info Call Pickup of account1.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0.</p>
	account.AutoAnswer	0 or 1	<p>It defines the value of Auto Answer of</p>

			account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	account.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.
	account.BLANumber	string	It defines the value of BLA Number of account1. The default is blank
	account.BLASubscribePeriod	Integer from 60 to 7200	It defines the value of BLA Subscription Period of account1. The default is 300.
	account.SubscribeMWIExpire	Integer from 0 to 84600	It defines the value of MWI Subscription Period of account1. The default is 3600.
	account.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.
	account.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.
	account.RegisterLine	0 or 1	It defines the value of SIP Send Line of

			<p>account1.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
<p>[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]</p>	<p>account.RegFailRetryInterval</p>	<p>Integer from 0 to 1800</p>	<p>It defines the value of SIP Registration Retry Timer of account1.</p> <p>The default is 30.</p>
	<p>account.EnableSignalEncode</p>	<p>0 or 1</p>	<p>Signal Encode selection</p> <p>0 stands for Disabled.</p> <p>1 stands for RC4</p> <p>The default is 1.</p>
	<p>account.SignalEncodeKey</p>	<p>string</p>	<p>Value of Signal Encode Key</p> <p>The default is blank</p>
	<p>account.conf-type</p>	<p>0 or 2</p>	<p>It defines whether to enable the Broadsoft network conference feature.</p> <p>0 stands for Local.</p> <p>2 stands for Broadsoft Network conference</p> <p>The default is 0.</p>
	<p>account.conf-uri</p>	<p>String</p>	<p>It defines Broadsoft Network conference URI.</p> <p>The value can only be Conference@as.iop1.broadworks.net</p>
	<p>account.BlfListCode</p>	<p>String</p>	<p>It defines the value of BlfListCode</p> <p>The default is blank.</p>
	<p>account.SubscribeACDExpire</p>	<p>Integer</p>	<p>It defines the time of ACD Subscription Period of account1.</p> <p>Scope:120~3600</p> <p>The default is 3600(seconds).</p>
	<p>account.IdleScreenEnable</p>	<p>0 or 1</p>	<p>It defines whether to enable XML IdleScreen</p>

			<p>for account1 or not</p> <p>0 stands for Disabled</p> <p>2 stands for Enabled</p>
	account.IdleScreenURL	URL	<p>It defines the value of XMLIdleScreenURL</p> <p>It should be absolute path like below:</p> <p>http://10.2.9.5:9/IdleScreen.xml</p>
	account.XMLDownFinish	0 or 1	<p>It define the download process for XML IdleScreen</p> <p>0 stands for download unfinished</p> <p>1 stands for download finished</p> <p>Only this value set to 0,the phone will go to download XML IdleScreen, otherwise the phone will not download XML IdleScreen</p> <p>The default is 0</p>
	Parameters start with DTMF will take effect after reboot.		
	DTMF.DTMFInbandTransfer	0,1 or 2	<p>It defines the value of DTMF Type of account1.</p> <p>0 stands for INBAND.</p> <p>1 stands for RFC2833.</p> <p>2 stands for SIP INFO.</p> <p>3 stands for AUTO+SIP INFO</p> <p>The default is 1.</p>
	DTMF.InfoType	0,1,2 or 3	<p>It defines the value of How to INFO DTMF of account1.</p> <p>0 stands for Disabled.</p> <p>1 stands for DTMF-Relay.</p> <p>2 stands for DTMF.</p> <p>3 stands for Telephone-Event.</p> <p>The default is Disabled.</p>

	DTMF.DTMFPayload	Integer from 96 to 255	It defines the value of DTMF Payload of account1. The default is 101.
	Parameters start with NAT will take effect after reboot.		
	NAT.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.
	NAT.STUNServer	Domain name or IP Address	It defines the value of STUN Server of account1. The default is blank.
	NAT.STUNPort	Integer	It defines the Port of STUN Server of account1. The default is 3478.
	NAT.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.
	NAT.UDPUpdateTime	Integer	It defines the value of UDP Keep-alive Interval of account1. The default is 30(seconds).
[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=1]	NAT.rport	0 or 1	It defines the value of Rport of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Parameters start with ADVANCED will take effect after reboot.		
	ADVANCED.default_t1	Float	It defines the value of SIP Session Timer T1

		of account1. The default is 0.5.
ADVANCED.default_t2	Float	It defines the value of SIP Session Timer T2 of account1. The default is 4.
ADVANCED.default_t4	Float	It defines the value of SIP Session Timer T4 of account1. The default is 5.
Parameters start with RingTone will take effect after reboot.		
RingTone.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
Parameters start with blf will take effect after reboot.		
blf.SubscribePeriod	Integer	It defines the value of Subscribe Period of account1. The default is 1800(seconds).
blf.BLFList_URI	String	It defines the value of BLFList URI of account1. The default is blank.
Parameters start with audioX will take effect after reboot.		
audio0.enable	0 or 1	It defines the activity of a specific codec. 0 means to disable the codec. 1 means to enable the codec.
audio0.PayloadType	One of the following: PCMU PCMA	It stands for a specific Codec type.

		G723_53 G723_63 G729 G722 G726-16 G726-24 G726-32 G726-40		
	audio0.priority	Integer from 0 to 10	It stands for the priority of a specific enabled codec.	
	audio0.rtpmap	Integer	It defines the payload of the codec.	
[cfg:/phone/config/voip/sipAccount0.cfg,account=1;reboot=0]	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:			
	<table><tr><td>audio0.enable = 1 audio0.PayloadType = PCMU audio0.priority = 1 audio0.rtpmap = 0 audio1.enable = 1 audio1.PayloadType = PCMA audio1.priority = 2 audio1.rtpmap = 8 audio2.enable = 0 audio2.PayloadType = G723_53 audio2.priority = 4</td><td>audio6.enable = 0 audio6.priority = 0 audio6.rtpmap = 102 audio7.enable = 0 audio7.PayloadType = G726-16 audio7.priority = 0 audio7.rtpmap = 112 audio8.enable = 0 audio8.PayloadType = G726-24 audio8.priority = 0 audio8.rtpmap = 102</td></tr></table>			audio0.enable = 1 audio0.PayloadType = PCMU audio0.priority = 1 audio0.rtpmap = 0 audio1.enable = 1 audio1.PayloadType = PCMA audio1.priority = 2 audio1.rtpmap = 8 audio2.enable = 0 audio2.PayloadType = G723_53 audio2.priority = 4
audio0.enable = 1 audio0.PayloadType = PCMU audio0.priority = 1 audio0.rtpmap = 0 audio1.enable = 1 audio1.PayloadType = PCMA audio1.priority = 2 audio1.rtpmap = 8 audio2.enable = 0 audio2.PayloadType = G723_53 audio2.priority = 4	audio6.enable = 0 audio6.priority = 0 audio6.rtpmap = 102 audio7.enable = 0 audio7.PayloadType = G726-16 audio7.priority = 0 audio7.rtpmap = 112 audio8.enable = 0 audio8.PayloadType = G726-24 audio8.priority = 0 audio8.rtpmap = 102			

	<p>audio2.rtpmap = 4</p> <p>audio3.enable = 0</p> <p>audio3.PayloadType = G723_63</p> <p>audio3.priority = 0</p> <p>audio3.rtpmap = 4</p> <p>audio4.enable = 1</p> <p>audio4.PayloadType = G729</p> <p>audio4.priority = 3</p> <p>audio4.rtpmap = 18</p> <p>audio5.enable = 1</p> <p>audio5.PayloadType = G722</p> <p>audio5.priority = 4</p> <p>audio5.rtpmap = 9</p>	<p>audio9.enable = 0</p> <p>audio9.PayloadType = G726-32</p> <p>audio9.priority = 0</p> <p>audio9.rtpmap = 2</p> <p>audio10.enable = 0</p> <p>audio10.PayloadType = G726-40</p> <p>audio10.priority = 0</p> <p>audio10.rtpmap = 104</p>	
	<p>Parameters start with Network will take effect after reboot.</p>		
[cfg:/phone/config/system.ini,reboot=1]	Network.eWANType	0,1 or 2	<p>It defines the type of Internet Port (WAN).</p> <p>0 stands for DHCP.</p> <p>1 stands for PPPoE.</p> <p>2 stands for Static IP Address.</p> <p>The default is 0.</p>
	Network.strWANIP	IP Address	<p>It defines the IP Address when using static WAN settings.</p> <p>The default is blank.</p>
	Network.strWANMask	Network Mask	<p>It defines the Subnet Mask when using static WAN settings.</p>

			The default is blank.
	Network.strWanGateway	IP Address	It defines the Default Gateway when using static WAN settings. The default is blank.
	Network.strWanPrimary DNS	IP Address	It defines the Primary DNS when using static WAN settings. The default is blank.
	Network.strWanSecondaryDNS	IP Address	It defines the Secondary DNS when using static WAN settings. The default is blank.
	Network.strPPPoEUser	string	It defines the User name when using PPPoE WAN settings. The default is blank.
	Network.strPPPoEPin	string	It defines the Password when using PPPoE WAN settings. The default is blank.
Parameters start with AutoProvision will take effect without reboot.			
	AutoProvision.bEnable PowerOn	0 or 1	It defines the value of Check New Config . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	AutoProvision.bEnable Weekly	0 or 1	It defines the value of Weekly . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	AutoProvision.strWeeklyMask	0,1,2,3,4,5,6 or a combination of these	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.

		numbers	0:Sunday 1:Monday 2:Tuesday 3:Wednesday 4:Thursday 5:Friday 6:Saturday
	AutoProvision.strWeeklyBeginTime	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.
	AutoProvision.strWeeklyEndTime	Time as 19:45	
	AutoProvision.bEnableRepeat	0 or 1	It defines the value of Repeatly . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	AutoProvision.nRepeatMinutes	1 to 43200	It is available when mode is 4 or 6.It stands for the interval time (by minutes) of checking new config.
	AutoProvision.bEnablePNP	0 or 1	It defines the value of PNP . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	AutoProvision.bEnableDHCPOption	0 or 1	It defines the value of DHCP Active . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	AutoProvision.listUserOptions	Integer from 128 to 254	It defines the Custom Option . The default is blank.

	AutoProvision.strServer URL	HTTP/HTTPS /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server.
	AutoProvision.strKeyA ES16	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: # \$ % * + , - . : ; = ? @ [] ^ _ { } ~
	AutoProvision.strKeyA ES16MAC	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.
	Parameters start with Network will take effect after reboot.		
	Network.bBridgeMode	0 or 1	It defines the type of PC Port (LAN) . 0 stands for Router . 1 stands for Bridge . The default is 1.
	Network.strLanIP	IP Address	It defines the IP Address when the LAN is set as Router. The default is 10.0.0.1
	Network.strLanMask	Network Mask	It defines the Subnet Mask when the LAN is set as Router. The default is 255.255.255.0.
	Network.bLanDHCP Server	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.
	Network.strDHCPClient	IP Address	It defines the IP Address range the DHCP

	Begin		router will allocate.
	Network.strDHCPClient End	IP Address	The default is from 10.0.0.10 to 10.0.0.100.
	Parameters start with VLAN will take effect after reboot.		
	LLDP.EnableLLDP	0 or 1	It define whether to enable LLDP or not 0 stands for Disabled 1 stands for Enabled The default is 0
	LLDP.PacketInterval	integer	It define value of LLDP packet interval time Scope:1~3600 The default is 120(s)
	VLAN.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.
	VLAN.VID	Integer from 0 to 4094	It defines the VID of WAN Port . The default is 0.
	VLAN.USRPRORITY	Integer from 0 to 7	It defines the VLAN USRPRORITY of WAN Port . The default is 0.
	VLAN.PC_PORT_VLAN _ENABLE = 1	0 or 1	It defines the VLAN Active option of PC Port . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	VLAN.PC_PORT_VID	Integer from 0	It defines the VID of PC Port .

		to 4094	The default is 0.
	VLAN.PC_PORT_PRIORITY	Integer from 0 to 7	It defines the VLAN USRPRIORITY of PC Port . The default is 0.
	telnet.telnet_enable	0,1	It defines whether to enable or disable Telnet to the phone. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
Parameters start with QoS will take effect after reboot.			
[cfg:/phone/config/system.ini,reboot=1]	QoS.RTPPTOS	Integer from 0 to 63	It defines the value of Voice QoS . The default is 40
	QoS.SIGNALTOS	Integer from 0 to 63	It defines the value of SIP QoS . The default is 40
	Parameters start with RTPPORT will take effect after reboot.		
	RTPPORT.MaxRTPPort	Integer from 0 to 65535	It defines the MaxRTPPort of Local RTP Port . The default is 11800.
	RTPPORT.MinRTPPort	Integer from 0 to 65535	It defines the MinRTPPort of Local RTP Port . The default is 11780.
	Parameters start with SYSLOG will take effect after reboot.		
	SYSLOG.SyslogdIP	IP Address	It defines the server where the syslog is supposed to be exported onto.
	Parameters start with 802.X will take effect after reboot.		
	802.1X.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.
	802.1X.Identity	String	It defines the identity The default is blank.
	802.1X.MD5Passwd	String	It defines the password for the identity The default is blank.
	Parameters start with VPN will take effect after reboot.		
	VPN.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.
	Parameters start with LocalTime will take effect without a reboot.		
	LocalTime.TimeZone	Time Zone from -11 to +12	It defines the Time Zone you expect to use on the phone. The default is +8.
[cfg:/phone/config/system.ini, reboot=0]	LocalTime.TimeServer1	Domain name or IP Address	It defines the Primary NTP Server . The default is cn.pool.ntp.org.
	LocalTime.TimeServer2	Domain name or IP Address	It defines the Secondary NTP Server . The default is cn.pool.ntp.org.
	LocalTime.Interval	Integer	It defines the Update Interval when using NTP Server. The default is 1000(seconds).
	Parameters start with Manual will take effect after reboot.		
	Manual.Year	Integer	Manual setting time: year
	Manual.Month	Integer	Manual setting time: Month
	Manual.Day	Integer	Manual setting time: day
	Manual.Hour	Integer	Manual setting time: hour
	Manual.Minute	Integer	Manual setting time: minute
	Manual.Second	Integer	Manual setting time: second

Parameters start with LocalTime will take effect without a reboot.

LocalTime.bNTPEnable	0 or 1	<p>It define how to configure time</p> <p>1 stands for obtaining time from NTP server</p> <p>0 stands for manually configure the time</p> <p>By default the value is 1</p>
LocalTime.iDSTType	0,1,2	<p>It define how to configure DST</p> <p>0 stands for Disabled</p> <p>1 stands for manually configuration</p> <p>2 stands for obtaining DST via TimeZone automatically</p> <p>By default the value is 2</p>
LocalTime.iDSTTimeType	0 or 1	<p>It define DST type When DST was set to be Enable as Manually configuration.</p> <p>0 stands for by Date</p> <p>1 stands for by Week</p> <p>By default the value is 0</p>
LocalTime.OffsetTime	Integer from -300 to 300	<p>It defines the Offset of Daylight Saving Time.</p> <p>The default is blank.</p>
LocalTime.TimeFormat	0 or 1	<p>It defines the value of Time Format.</p> <p>0 stands for 12 Hour format.</p> <p>1 stands for 24 Hour format.</p> <p>The default is 0.</p>
LocalTime.DateFormat	Integer from 0 to 6	<p>It defines the value of Date Format.</p> <p>0 stands for WWW MMM DD. eg. Tues Oct 20.</p> <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>
	Parameters start with Profile will take effect without a reboot.		
	Profile.VAD	0 or 1	<p>It defines the activity status of VAD.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 0</p>
	Profile.CNG	0 or 1	<p>It defines the activity status of CNG.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
[cfg:/phone/config/system.ini,reboot=1]	Profile.ECHO	0 or 1	<p>It defines the activity status of Echo canceller.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	Profile.SIDE_TONE	-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>
	Parameters start with Jitter will take effect after reboot.		
	Jitter.Adaptive	0 or 1	<p>It defines the Type of Jitter Buffer.</p> <p>0 stands for Fixed.</p> <p>1 stands for Adaptive.</p>

			The default is 1.
	Jitter.Min	Integer	It defines the value of Min Delay . The default is 0.
	Jitter.Max	Integer	It defines the value of Max Delay . The default is 300.
	Jitter.Nominal	Integer	It defines the value of Normal Delay . The default is 120.
[cfg:/phone/config/user.ini,reboot=1]	Parameters start with Lang will take effect after reboot.		
	Lang.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/Polish /Turkish/Portuguese/Spanish/Italian/French/D eutsch
	Lang.WEBLanguage	Language Name	It defines the Language used on the WEBpage. The default is "English". The other Languages are: Chinese_S/Turkish/Portuguese/Spanish/Italia n/French/Deutsch
	Parameters start with PhoneSetting will take effect without a reboot.		
	PhoneSetting.InterDigit Time	Integer	It defines the Inter Digit Time . The default is 4(seconds).
	PhoneSetting.Lock	0,1,2 or 3	It defines the type of Keyboard Lock . 0 stands for Disabled. 1 stands for Menu Key. 2 stands for Function Key. 3 stands for All Keys.

			4 stands for Lock&Answer. The default is 0.
	Features.BroadsoftFeatureKeySync	0 or 1	It defines whether to enable Broadsoft DND&FWD synchronization or not 0 stands for Disabled 1 stands for Enalbed The default is 0
	Features.SaveCallHistory	0 or 1	It defines whether to save Callhistory or not 0 stands for Disabled 1 stands for Enabled The default is 0
	Parameters as below will take effect after reboot.		
	Features.SaveCallHistoryDisplay	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.
	Parameters as below will take effect without reboot.		
	ACD.AutoAvailable	0 or 1	It defines whether to enable ERGOCOM ACD Auto Available function or not 0 stands for Disable. 1 stands for Enable. The default is 0.
	ACD.AutoAvailableTimer	Integer	It defines the interval time for ERGOCOM ACD account automatically enabled. Scope:0~120 The default is 60(seconds).
	Parameters as below will take effect after reboot.		
	ACD.Broadsoft	0 or 1	It defines whether to enable Broadsoft ACD

			<p>synchronization.</p> <p>0 stands for Disable.</p> <p>1 stands for Enable.</p> <p>The default is 0.</p>
	Parameters as below will take effect without reboot.		
	WatchDog.Time	integer	<p>It define the value for time WatchDog</p> <p>Scope: 0~15</p> <p>The default is 10(s)</p>
	PhoneSetting.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>
[cfg:/phone/config/user.ini,reboot=1]	PhoneSetting.BackLight	integer	<p>It defines the Backlight Brightness. The parameter depends on model types.</p> <p>Scope:1~10</p> <p>The default is 6.</p>
	PhoneSetting.BacklightTime	1,60,120,300,600,1800	<p>It defines the Backlight Time</p> <p>1 stands for Always on</p> <p>60 stands for 60s</p> <p>120 stands for 120s</p> <p>300 stands for 300s</p> <p>600 stands for 600s</p> <p>1800 stands for 1800s</p> <p>The default value is 60(seconds)</p>
	PhoneSetting.UnusedBackLight	Integer	<p>It defines the Unused backlight brightness.</p> <p>Scope:1~10</p> <p>The default is 1</p>
	PhoneSetting.Screen saverTime	1, 60, 120, 300, 600, 1800	<p>It define for Screen saverTime</p> <p>1 stands for Always on</p> <p>60 stands for 60s</p>

			<p>120 stands for 120s</p> <p>300 stands for 300s</p> <p>600 stands for 600s</p> <p>1800 stands for 1800s</p> <p>The default is 60</p>
	Screensavertime will take effect after reboot.		
	PhoneSetting.BackGrounds	String	<p>It define the BackGround image</p> <p>The BackGround image should be less than 5M bytes and less than 5M pixels</p> <p>If you want to set a picture as system default the format should be</p> <p>Resource: PictureName.png</p> <p>Eg. PhoneSetting.BackGrounds =</p> <p>Resource:pictures (04).png</p> <p>If you want to set a picture as user-define backgrounds picture,the format should be</p> <p>config: PictureName.png</p> <p>Eg. PhoneSetting.BackGrounds =</p> <p>Config:pictures (04).png</p>
	PhoneSetting.Theme	0,1,2,3	<p>It defines color of theme</p> <p>0 stands for Theme1</p> <p>1 stands for Theme2</p> <p>2 stands for Theme3</p> <p>3 stands for Theme4</p> <p>The default is Theme1</p>
	Parameters as below will take effect without reboot.		
	PhoneSetting.IsDefineKey	0 or 1	<p>It define whether to allowed User-define of softkey or not</p>

			<p>0 stands for not allowed</p> <p>1 stands for Allowed</p> <p>The default is 0</p>
	Zero.WaitTime	Integer	<p>It define value of WaitTime for Zero-SP-touch function.</p> <p>The default is 0</p>
	Zero.ForbidZero	0 or 1	<p>It define whether to enable Zero-SP-Touch function or not</p> <p>0 stands for Disabled</p> <p>1 stands for Enabled</p> <p>The default is 1</p>
	PhoneSetting.SBarHandleRGB	Xxx,xxx,xxx	<p>It define the color of scroll bar</p> <p>RGB format color value</p> <p>The default is 120,120,120</p>
	PhoneSetting.ProductName	String	<p>It defines the Product Name which you can see via LCD interface.</p> <p>The default value for Yealink models are SIP-T38P、SIP-T32P respectively.</p>
Parameters as below will take effect without reboot.			
	PhoneVolume.RingVol	Integer from 0 to 15	<p>It defines the ring volume.</p> <p>0 is the minimum value meaning silence.</p> <p>15 is the maximum value.</p>
Parameters start with PhoneVolume as below will take effect after reboot.			
	PhoneVolume.HandFreeSpkVol	Integer from 0 to 15	<p>It defines the receiving volume of Speaker.</p> <p>The default is 8.</p>
	PhoneVolume.HandFreeMicVol	Integer from 0 to 15	<p>It defines the sending volume of Speaker.</p> <p>The default is 8.</p>

	PhoneVolume.HandSetS pkVol	Integer from 0 to 15	It defines the receiving volume of Handset. The default is 8.
	PhoneVolume.HandSet MicVol	Integer from 0 to 15	It defines the sending volume of Handset. The default is 8.
	PhoneVolume.HeadSetS pkVol	Integer from 0 to 15	It defines the receiving volume of Headset. The default is 8.
	PhoneVolume.HeadSet MicVol	Integer from 0 to 15	It defines the sending volume of Headset. The default is 8.
	PhoneSetting.RingForTranFailed	Ring name	It defines the default Ring tone that has been used while Transfer failed, for example,Ring1.wav,Ring2.wav and alike.
Parameters as below will take effect without reboot			
[cfg:/phone/config/user.ini,reboot=1]	PhoneSetting.PreDialAutoDial	0 or 1	It defines whether to auto dial out feature in Pre-Dial interface 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	PhoneSetting.IsDeal180	0 or 1	It defines whether to deal with 180 messages after the 183 message. 0 stands for No. 1 stands for Yes. The default is 0.
	Parameters start with SignalToneVol will take effect after reboot.		
	SignalToneVol.Handset	Integer from 0 to 15	It defines the volume of dial tone on Handset. The default is 8.
	SignalToneVol.Headset	Integer from 0 to 15	It defines the volume of dial tone on headset. The default is 8.
	SignalToneVol.Handfree	Integer from 0 to 15	It defines the volume of dial tone on Speaker. The default is 8.

Parameters start with **AlertInfoX** will take effect after reboot.

AlertInfo0.Text	String	It defines the first Internal Ringer Text . The default is blank.
AlertInfo0.Ringer	Integer	It defines the ringer for the first Internal Ringer Text. The ringer is defined by its order number. The default is 1.

They have same path and parameters as [AlertInfo0] and share the same Permitted Values and default values.

AlertInfo0.Text	AlertInfo5.Text
AlertInfo0.Ringer	AlertInfo5. Ringer
AlertInfo1.Text	AlertInfo6.Text
AlertInfo1. Ringer	AlertInfo6. Ringer
AlertInfo2.Text	AlertInfo7.Text
AlertInfo2. Ringer	AlertInfo7. Ringer
AlertInfo3.Text	AlertInfo8.Text
AlertInfo3. Ringer	AlertInfo8. Ringer
AlertInfo4.Text	AlertInfo9.Text
AlertInfo4. Ringer	AlertInfo9. Ringer

Parameters start with **AlwaysFWD** will take effect after without a reboot.

AlwaysFWD.Enable	0 or 1	It defines whether the Always Forward is enabled. 0 stands for Disabled.
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			1 stands for Enabled. The default is 0.
[cfg:/phone/config/user.ini,reboot=0]	AlwaysFWD.Target	Phone number	It defines the Target number that the phone will Always Forward to . The default is blank.
	AlwaysFWD.On_Code	String	It defines the On Code for Always Forward . The default is blank.
	AlwaysFWD.Off_Code	String	It defines the Off Code for Always Forward . The default is blank.
	Parameters start with BusyFWD will take effect without a reboot.		
	BusyFWD.Enable	0 or 1	It defines whether the Busy Forward is enabled. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	BusyFWD.Target	Phone number	It defines the Target number that the phone will Busy Forward to . The default is blank.
	BusyFWD.On_Code	String	It defines the On Code for Busy Forward . The default is blank.
	BusyFWD.Off_Code	String	It defines the Off Code for Busy Forward . The default is blank.
	Parameters start with TimeoutFWD will take effect without a reboot.		
	TimeoutFWD.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.

	TimeoutFWD.Target	Phone number	It defines the Target number that the phone will No Answer Forward to . The default is blank.
	TimeoutFWD.On_Code	String	It defines the On Code for No Answer Forward . The default is blank.
	TimeoutFWD.Off_Code	String	It defines the Off Code for No Answer Forward . The default is blank.
	TimeoutFWD.Timeout	Integer	It defines the time after which the call will be forwarded when using No Answer Forward . The default is 10(seconds).
	Parameters start with Features will take effect without a reboot.		
	Features.Call_Waiting	0 or 1	It defines the activity of Call Waiting . 0 stands for Disabled. 1 stands for Enabled. The default is 1.
[bin:/phone/config/UserLang/lang+English.txt,reboot=0] The language file uploaded will take effect after you switch to it	url	URL	It defines the URL which point to the target language file that you want to update to. Eg. If you want to update English via auto-provision you can set URL as below: url = http://10.1.3.101:8080/lang+English.txt Please contact to Yealink FAE team for newest language files for available languages.
Parameters will take effect related to LDAP will take effect without reboot			
[cfg:/phone/config/Contacts/LDAP.cfg,reboot=0]	NameFilter	Standard LDAP filters e.g.	It defines the search criteria for name look ups. The format of the search filter is compliant to the standard String

		(&(sn=%)(telephoneNumber=*))	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 LDAP filters e.g. ((telephoneNumber=*)(mobile=*)(ipPhone=*))	It defines the search criteria for number look 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

			<p>AIM, you can restrict the lookup to the</p> <p>OU=Development subtree only by entering</p> <p>providing the following search base:</p> <p>OU=Development, O=COMPANY. Other</p> <p>examples see below.</p> <p>The default is blank.</p>
	user	String	<p>It defines the bind “Username” for LDAP</p> <p>servers. Most LDAP servers allow</p> <p>anonymous binds in which case the setting</p> <p>can be left blank. However if the LDAP</p> <p>server does not allow anonymous binds, you</p> <p>will need to provide the Username and</p> <p>Password allowed to query the LDAP server.</p> <p>The default is blank.</p>
	pswd	String	<p>It defines the bind “Password” for LDAP</p> <p>servers. Yealink phones use “simple”</p> <p>authentication scheme for bind requests. This</p> <p>setting can be left blank in case the server</p> <p>allows anonymous binds. Otherwise you will</p> <p>need to provide the Password along with the</p> <p>Username in order to access the LDAP</p> <p>server.</p> <p>The default is blank.</p>
	MaxHits	Integer from 1 to 32000	<p>If defines the maximum number of search</p> <p>results to be returned by the LDAP server. If</p> <p>Max.hits is 0 or blank the LDAP server will</p> <p>return all search results. Please note that a</p> <p>very large value of the “Max. Hits” will slow</p> <p>down the LDAP lookup, therefore the setting</p>

			<p>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	It defines the protocol version for the phone

		3/version 2	<p>when send the bind request to the server.</p> <p>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 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>

			1 stands for Enabled. The default is 1.
[cfg:/phone/config/Contacts/BroadSoft.cfg,reboot=0]	Parameters as below will take effect after reboot.		
	BroadSoft. BWCallLogandDir	0 or 1	It define whether to enable configuring showing Broadsoft CallLog and Directory or not. 0 stands for Disabled configuration 1 stands for Enabled configuration The default is 1
	BroadSoft. BeHaveCallLogandDir	0 or 1	It define whether to save CallLog or not Only when BroadSoft.BWCallLogandDir=1 , this option will take effect. 0 stands for Disabled 1 stands for Enabled The default is 1
	BroadSoft. BeHaveBWDir	0 or 1	It defines whether to enable Broadsoft phonebook. It corresponds to Broadsoft Active option in WebUI. Only when BroadSoft.BWCallLogandDir=1 , this option will take effect. 0 stands for Disabled 1 stands for Enabled The default is 1
	Parameters as below will take effect without reboot		
	DisplayName	String	It defines the Display Name of the first 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.
	<p>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</p> <p>Account1 is [Account0].While for</p> <p>Account2 is [Account1],and other sections alike.</p>		
	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.
<p>It support 3 Broadsoft 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</p> <p>Account1 is [CallLog0]. While for</p> <p>Account2 is [CallLog1], and other sections alike.</p>			
[cfg:/phone/config/user.ini,reboot=0]	Parameters as below will take effect without reboot		
	Features.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.
	Features.CallCompletion	0 or 1	It defines the activity of CallCompletion . 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Features.Hotlinenumber	Phone number	It defines the Hotline Number . The default is blank.
	Features.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).
	PhoneSetting.DialNowDelay	Integer	It defines Delay time for DialNow rule. The default is 1 (seconds)
	Features.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.
	Features.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.
	Features.DND_On_Code	String	It defines DND On Code . The default is blank.
	Features.DND_Off_Code	String	It defines DND Off Code . The default is blank.
	Features.ButtonSoundOn	0 or 1	It defines whether to enable dialing tone. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Features.AllowIntercom	0 or 1	It defines whether to allow an intercom call. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Features.IntercomMute	0 or 1	It defines whether to mute the intercom call. 0 stands for No. 1 stands for Yes. The default is 1.
[cfg:/phone/config/user.ini,reboot=0]	Features.IntercomTone	0 or 1	It defines whether to play the intercom warning tone. 0 stands for No. 1 stands for YES.

			The default is 1.
Features.IntercomBarge	0 or 1	It defines whether to enable intercom barge. 0 stands for Disabled. 1 stands for Enabled. The default is 1.	
Features.Hotlinedelay	Integer from 0 to 180	It defines the hotline delay time. The default is 4.	
Parameters start with Trans will take effect after reboot.			
Trans.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.	
Parameters start with AutoRedial will take effect without a reboot.			
AutoRedial.EnableRedial	0 or 1	It defines whether to enable/disable Auto redial . 0 stands for Disabled. 1 stands for Enabled. The default is 0.	
AutoRedial.RedialInterval	Integer from 1 to 300	It defines the value of Auto redial interval . The default is 10 (seconds).	
AutoRedial.RedialTimes	Integer from 1 to 300	It defines the value of Auto redial times . The default is 10.	
Parameters start with PoundSend will take effect after reboot.			
PoundSend.Enable	0,1 or 2	It defines the Key As Send . 0 stands for Disabled. 1 stands for # key. 2 stands for * key. The default is 1.	

Parameters start with Emergency will take effect without reboot.		
Emergency.Num	Phone numbers separated by commas	It defines the Emergency numbers separated by commas. For example, it can be specified as:911,999,110,120 The default is blank.
Parameters start with Message will take effect after reboot.		
Message.VoiceNumber0	String	It defines Voice Mail number of account1. The default is blank.
Message.VoiceNumber1	String	It defines Voice Mail number of account2. The default is blank.
Message.VoiceNumber2	String	It defines Voice Mail number of account3 if the account exists. The default is blank.
Parameters start with Trans will take effect after reboot.		
Advanced.var_enabled	0 or 1	It define whether to enable 3-Level Permissions 0 stands for Disabled 1 stands for Enabled The default is 0
Parameters start with vpm_tone_Country will take effect after reboot.		
vpm_tone_Country.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.
Parameters start with Tone Param will take effect after reboot.		

[cfg:/phone/config/user.ini,reboot=0]	Tone Param.dial	string	<p>It defines the tone of Dial which will be active when the Country is chosen to be “Custom”.</p> <p>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.</p> <p>0 stands for silence.</p> <p>The default is blank.</p>
	Tone Param.ring	string	<p>It defines the tone of Ring Back.</p> <p>The format is the same as dial.</p> <p>The default is blank.</p>
	Tone Param.busy	string	<p>It defines the tone of Busy.</p> <p>The format is the same as dial.</p> <p>The default is blank.</p>
	Tone Param.congestion	string	<p>It defines the tone of Congestion.</p> <p>The format is the same as dial.</p> <p>The default is blank.</p>
	Tone Param.callwaiting	string	<p>It defines the tone of Call Waiting.</p> <p>The format is the same as dial.</p> <p>The default is blank.</p>
	Tone Param.dialrecall	string	<p>It defines the tone of Dial Recall.</p> <p>The format is the same as dial.</p> <p>The default is blank.</p>
	Tone Param.record	string	<p>It defines the tone of Record.</p> <p>The format is the same as dial.</p> <p>The default is blank.</p>
	Tone Param.info	string	<p>It defines the tone of Info.</p> <p>The format is the same as dial.</p>

			The default is blank.
	Tone Param.stutter	string	It defines the tone of Stutter . The format is the same as dial. The default is blank.
	Tone Param.message	string	It defines the tone of Message . The format is the same as dial. The default is blank.
	Tone Param.autoanswer	string	It defines the tone of Auto Answer . The format is the same as dial. The default is blank.
Parameters start with vpm_default will take effect after reboot.			
[cfg:/phone/config/user.ini,reboot=1]	vpm_default.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.
	vpm_default.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.
	vpm_default.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.
	vpm_default.congestion	0 or 1	<p>It defines whether to enable the customized ringtone of Congestion when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	vpm_default.callwaiting	0 or 1	<p>It defines whether to enable the customized ringtone of Call Waiting when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	vpm_default.dialrecall	0 or 1	<p>It defines whether to enable the customized ringtone of Dial Recall when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	vpm_default.record	0 or 1	<p>It defines whether to enable the customized ringtone of Record when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	vpm_default.info	0 or 1	<p>It defines whether to enable the customized ringtone of Info when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>

[cfg:/phone/config/user.ini,reboot=1]	vpm_default.stutter	0 or 1	<p>It defines whether to enable the customized ringtone of Stutter when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	vpm_default.message	0 or 1	<p>It defines whether to enable the customized ringtone of Message when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	vpm_default.autoanswer	0 or 1	<p>It defines whether to enable the customized ringtone of Auto Answer when in Custom mode.</p> <p>0 stands for Disabled.</p> <p>1 stands for Enabled.</p> <p>The default is 1.</p>
	Parameters start with AreaCode will take effect after reboot.		
	AreaCode.Code	Integer	<p>It defines the Code of Area Code.</p> <p>The default is blank.</p>
	AreaCode.minlen	Integer	<p>It defines the Min Length of Area Code.</p> <p>The default is blank.</p>
	AreaCode.maxlen	Integer	<p>It defines the Max Length of Area Code.</p> <p>The default is blank.</p>
	Parameters start with BlockOut will take effect after reboot.		
	BlockOut.1	Number or String	<p>It defines a number which will be block when dial it out. Besides a specific number, it support some special characters:</p> <p>“.” stands for an arbitrary number or string with arbitrary length.</p>

			“x” stands for one arbitrary number or string. For other details, please refer to User Manual.
	BlockOut.2	They share the same Permitted Value and rules as 1 .	
	BlockOut.3		
	BlockOut.4		
	BlockOut.5		
	BlockOut.6		
	BlockOut.7		
	BlockOut.8		
	BlockOut.9		
	BlockOut.10		
	Parameters start with RemotePhoneBookX will take effect after reboot.		
RemotePhoneBook0.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.		
RemotePhoneBook0.Name	It defines the Phone book name of the first Remote phonebook. For more details, please refer to the instruction to Remote phonebook.		
[cfg:/phone/config/user.ini,reboot=1]	They share the same parameters and Permitted Values as [RemotePhoneBook0].		
	RemotePhoneBook0.URL	RemotePhoneBook3.URL	
	RemotePhoneBook0.Name	RemotePhoneBook3.Name	
	RemotePhoneBook1.URL	RemotePhoneBook4.URL	
	RemotePhoneBook1.Name	RemotePhoneBook4.Name	

	RemotePhoneBook2.URL		
	RemotePhoneBook2.Name		
	Parameters start with Webserver Type will take effect after reboot.		
	Webserver Type. 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.
	Parameters start with Port will take effect after reboot.		
	Port. http_port	Integer	Http port for web access, Default is 80
	Port. https_port	Integer	Https port for web access, Default is 443
	Parameters start with Forbidden will take effect without a reboot.		
	Forbidden. DND	0 or 1	It defines whether to have the authority to use DND feature. 0 stands for yes. 1 stands for no. The default is 0.
	Forbidden. FWD	0 or 1	It defines whether to have the authority to use Forward feature. 0 stands for yes. 1 stands for no. The default is 0.
	Parameters start with FactoryConfig will take effect without reboot.		
	FactoryConfig. CustomEnabled	0 or 1	It defines whether to enable custom factory setting.

			<p>0 stands for yes.</p> <p>1 stands for no.</p> <p>The default is 0.</p>
<p>[cfg:/phone/config/vpPhone/vpPhone.ini,reboot=1]</p>	Parameters start with memoryX will take effect after reboot.		
	memory1.type	blf or bla	<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>The default is blank.</p>
	memory1.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 in which case 0 stands for Line1, 1 stands for Line2 and so on.</p> <p>The default is 0.</p>
<p>[cfg:/phone/config/vpPhone/vpPhone.ini,reboot=1]</p>	Parameters as below will take effect after reboot		
	memory1.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</p>

			value must be a url string. The default is blank.
	memory1.PickupValue	string	It is used only for BLF. It defines the pickup number that your server allocates.
	memory1.DKtype	Integer	. It's a number reflects the key function. 0:N/A 1:Conference 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 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.
t[cfg:/phone/config/vpPhone/vpPhone.ini]	Memory1x.Label	string	It defines the Label for T3XG on LCD for each account. Please be noted this option can only be available for linekey. And from memory11 to memory16 are used for Line keys. The available sections depend on the numbers of Line keys. For T32G which have only 3 line keys, only the first 3 sections are available.
	They share the same parameters and Permitted Values as [memory1].		
		memory1.Line memory1.Type memory1. Value memory1. PickupValue memory1. Dktype memory2.Line memory2.Type memory2. Value memory2. PickupValue memory2. Dktype memory3.Line memory3.Type	Memory4.Line Memory4.Type Memory4. Value Memory4. PickupValue Memory4. Dktype Memory5.Line Memory5.Type Memory5. Value Memory5. PickupValue Memory5. Dktype Memory5.Line Memory5.Type

	memory3.Value memory3.PickupValue memory3.Dktype	Memory5.Value Memory5.PickupValue Memory5.Dktype	
Parameters as below will take effect without reboot.			
[bin:/phone/config/vpPhone/Dialing.xml,reboot=1] The Function is only available when user-define softkey is Enabled i.e. PhoneSetting.IsDefineKey=1	URL	HTTP /FTP/TFTP Address	It define softkey layout for Dialing interface Eg. url = http://10.1.0.145:9/update/Dialing.xml
[bin:/phone/config/vpPhone/CallFailed.xml,reboot=1] The Function is only available when user-define softkey is Enabled i.e. PhoneSetting.IsDefineKey=1	URL	HTTP /FTP/TFTP Address	It define softkey layout for CallFailed interface Eg. url = http://10.1.0.145:9/update/CallFailed.xml
[bin:/phone/config/vpPhone/CallIn.xml,reboot=1] The Function is only available when user-define softkey is Enabled i.e. PhoneSetting.IsDefineKey=1	URL	HTTP /FTP/TFTP Address	It define softkey layout for CallIn interface Eg. url = http://10.1.0.145:9/update/CallIn.xml
[bin:/phone/config/vpPhone/Connecting.xml,reboot=1] The Function is only available when user-define softkey is Enabled i.e. PhoneSetting.IsDefineKey=1	URL	HTTP /FTP/TFTP Address	It define softkey layout for Connecting interface Eg. url = http://10.1.0.145:9/update/Connecting.xml
[bin:/phone/config/vpPhone/RingBack.xml,reboot=1] The Function is only available when user-define softkey is Enabled	URL	HTTP /FTP/TFTP Address	It define softkey layout for RingBack interface Eg. url = http://10.1.0.145:9/update/RingBack.xml

i.e. PhoneSetting.IsDefineKey=1			
[bin:/phone/config/vpPhone/Talking.xml,reboot=1] The Function is only available when user-define softkey is Enabled i.e. PhoneSetting.IsDefineKey=1	URL	HTTP /FTP/TFTP Address	It define sofekey layout for Talking interface Eg. url = http://10.1.0.145:9/update/Talking.xml
[rom:Firmware] The phone will reboot automatically.	URL	HTTP /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server. Eg.URL=http://10.1.0.145:9/update/38.0.0.40.rom
[bin:/phone/config/ContactData.xml, reboot=0] This parameter will take effect after reboot.	URL	HTTP /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server. Eg:url=http://10.1.0.145:9/ContactData.xml
[bin:/phone/config/AutoDST.xml, reboot=0] This parameter will take effect after reboot.	URL	HTTP /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server. Eg:url=http://10.1.0.145:9/ AutoDST.xml
[bin:/phone/config/DialPlan.xml,reboot=0] This parameter will take effect after reboot.	URL	HTTP /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server. Eg:url=http://10.1.0.145:9/ DialPlan.xml
[bin:/phone/userdata/ringtone/b012.wav,reboot=0] This parameter will take effect without reboot.	URL	HTTP /FTP/TFTP Address	It defines the URL which is supposed to be the auto provisioning server. url=http://10.1.0.145:9/update/b012.wav
[bin:/phone/userdata/ScreenSaver/IMG_3156.png,reboot=1] This parameter will take effect	URL	HTTP /FTP/TFTP Address	It define PNG format image for ScreenSaver The ScreenSaver image should be smaller than5M bytes and 5M pixels

without reboot.			Eg.url = http://10.1.0.145:9/update/IMG_3156.png
[bin:/phone/userdata/ScreenSaver/IMG_3157.jpg,reboot=0]	URL	HTTP /FTP/TFTP Address	It define JPG format image for ScreenSaver The ScreenSaver image should be smaller than5M bytes and 5M pixels Eg.url = http://10.1.0.145:9/update/IMG_3157.jpg
[bin:/phone/userdata/ScreenSaver/IMG_3158.bmp,reboot=0]	URL	HTTP /FTP/TFTP Address	It define BMP format image for ScreenSaver The ScreenSaver image should be smaller than 5M bytes and 5M pixels Eg.url = http://10.1.0.145:9/update/IMG_3158.bmp
ScreenSaver and BackGround image both can support JPG,BMP,PNG. and The images size should be smaller than 5M bytes and 5M pixels			
[bin:/phone/userdata/BackGround/IMG_3156.png,reboot=0] This parameter will take effect without reboot.	URL	HTTP /FTP/TFTP Address	It define PNG format image for BackGround The BackGround image should be smaller than 5M bytes and 5M pixels Eg.url = http://10.1.0.145:9/update/IMG_3156.png
[bin:/phone/userdata/BackGround/IMG_3157.jpg,reboot=0]	URL	HTTP /FTP/TFTP Address	It define PNG format image for BackGround The BackGround image should be smaller than5M bytes and 5M pixels Eg.url = http://10.1.0.145:9/update/IMG_3157.jpg
[bin:/phone/userdata/BackGround/IMG_3158.bmp,reboot=0]	URL	HTTP /FTP/TFTP Address	It define BMP format image for BackGround The BackGround image should be smaller than5M bytes and 5M pixels Eg.url = http://10.1.0.145:9/update/IMG_3158.bmp

Please be noted that every contact picture should be smaller than 2M bytes.

You can contact to your Local distribute for details how to create Contact.tar, ContactData.xml.

[bin:/phone/config/Pics/Contact.tar, reboot=1] This parameter will take effect after reboot.	URL	HTTP	It can upload contacts with pictures using tar format files. Eg.url = tftp://10.2.9.3/Contact.tar
		/FTP/TFTP	
		Address	
[bin:/phone/config/ContactData.xml, reboot=1] This parameter will take effect after reboot.	URL	HTTP	It can upload contacts without pictures using xml format Eg. url = http://10.1.0.145:9/update/ContactData.xml
		/FTP/TFTP	
		Address	
[bin:/phone/config/DialNow.xml, reboot=0] This parameter will take effect after reboot.	URL	HTTP	It defines the URL which is supposed to be the auto provisioning server. Eg:url=http://10.1.0.145:9/DialNow.xml
		/FTP/TFTP	
		Address	
[cfg:/phone/config/user.ini, reboot=0] This parameter will take effect without reboot.	UserName.admin	String	It define a new Admin user's name
	UserName.var	String	It define a new Var user's name
	UserName.user	String	It define a new User user's name

For Color phone, the original user name will still exist after you modify the user name, because for color phone it will create a new user name instead of replacing the original user name, so that you can still logon Color phone using original users name.

For example, if you use sentence below to modify user name:

```
[ cfg:/phone/config/user.ini, reboot=0 ]
```

```
UserName.admin = admin1
```

```
UserName.var = var1
```

```
UserName.user = user1
```

You have to create a new password for the corresponding user. as below:

```
[ psw:/phone/config/.htpasswd ]
```

```
user1 = user
```

it define the password for the "user1" user;

admin1 = admin

it define the password for the “admin1” user;

var1 = var

it define the password for the “var1” user;

You can also delete the original user if needed as below:

-admin =

-user =

-var =

[psw:phone/config/.htpasswd,reboot=0]	admin	string	Admin password for web access
	var	string	Var password for web access
	user	string	User password for web access
	<div>-admin = used to delete ADMIN user</div> <div>-user = used to delete User user</div> <div>-var = used to delete Var user</div>		
	Parameters start with programablekeyX will take effect after reboot.		
[cfg:/phone/config/vpPhone/vpPhone.ini,reboot=1]	programablekey1.DKtype	Integer	<div>It's a number reflects the key function.</div> <div>0:N/A 1:Conference</div> <div>2:Forward 3:Transfer</div> <div>4:Hold 5:DND</div> <div>6:Redial 7:Call Return</div> <div>8:SMS 9:Call Pickup</div> <div>10:Call Park 11:DTMF</div> <div>12:Voicemail 13:SpeedDial</div> <div>14:Intercom 15:Line</div> <div>16:BLF 17:URL</div> <div>18:Group Listening 19:Public Hold</div> <div>20:Private Hold 21:Shared Line</div> <div>22:XML Group 23:Group Pickup</div> <div>24: Paging 25:Record</div> <div>35:URLRecord 27:XMLbrowser</div>

			<p>37:Switch</p> <p>38:LDAP 39:BLF List</p> <p>40:Prefix 41: Zero-Sp-Touch</p> <p>42:ACD 45:Local Group</p> <p>46:Broadsoft Group</p> <p>The default is 0.</p>
	programablekey1.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 in which case 0 stands for Line1, 1 stands for Line2 and so on.</p> <p>The default is 0.</p>
	programablekey1.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>
	programablekey1.XML PhoneBook	The available XML PhoneBook name	<p>If the value of DKtype is 22(XML phonebook), you can configure an available XMLPhoneBook name for this parameter.</p>

They share the same parameters and Permitted Values as [programablekey1].

<p>programablekey1 corresponds to SoftKey</p> <p>1</p> <p>programablekey1.DKtype = 30</p> <p>programablekey1.Line = 0</p> <p>programablekey1.Value =</p> <p>programablekey1.XMLPhoneBook =</p>	<p>programablekey9 corresponds to OK</p> <p>Programablekey9.DKtype = 29</p> <p>Programablekey9.Line = 0</p> <p>Programablekey9.Value =</p> <p>Programablekey9.XMLPhoneBook =</p>
<p>programablekey2 corresponds to SoftKey</p> <p>2</p> <p>programablekey2.DKtype = 5</p> <p>programablekey2.Line = 0</p> <p>programablekey2.Value =</p> <p>programablekey2.XMLPhoneBook =</p>	<p>programablekey10 corresponds to Cancel</p> <p>Programablekey10.DKtype = 29</p> <p>Programablekey10.Line = 0</p> <p>Programablekey10.Value =</p> <p>Programablekey10.XMLPhoneBook =</p>
<p>programablekey3 corresponds to SoftKey</p> <p>3</p> <p>programablekey3.DKtype = 14</p> <p>programablekey3.Line = 0</p> <p>programablekey3.Value =</p> <p>programablekey3.XMLPhoneBook =</p>	<p>programablekey11 corresponds to CONF</p> <p>Programablekey11.DKtype = 29</p> <p>Programablekey11.Line = 0</p> <p>Programablekey11.Value =</p> <p>Programablekey11.XMLPhoneBook =</p>
<p>programablekey4 corresponds to SoftKey</p> <p>4</p> <p>programablekey4.DKtype = 29</p> <p>programablekey4.Line = 0</p> <p>programablekey4.Value =</p> <p>programablekey4.XMLPhoneBook =</p>	<p>programablekey12 corresponds to HOLD</p> <p>Programablekey12.DKtype = 29</p> <p>Programablekey12.Line = 0</p> <p>Programablekey12.Value =</p> <p>Programablekey12.XMLPhoneBook =</p>
	<p>programablekey13 corresponds to MUTE</p> <p>Programablekey13.DKtype = 29</p> <p>Programablekey13.Line = 0</p> <p>Programablekey13.Value =</p>

	<p>programablekey5 corresponds to Up navigation key</p> <p>programablekey5.DKtype = 38</p> <p>programablekey5.Line = 0</p> <p>programablekey5.Value =</p> <p>programablekey5.XMLPhoneBook =</p> <p>programablekey6 corresponds to Down navigation key</p> <p>programablekey6.DKtype = 39</p> <p>programablekey6.Line = 0</p> <p>programablekey6.Value =</p> <p>programablekey6.XMLPhoneBook =</p> <p>programablekey7 corresponds to Left navigation key</p> <p>programablekey7.DKtype = 28</p> <p>programablekey7.Line = 0</p> <p>programablekey7.Value =</p> <p>programablekey7.XMLPhoneBook =</p> <p>programablekey8 corresponds to Right navigation key</p> <p>programablekey8.DKtype = 29</p> <p>programablekey8.Line = 0</p> <p>programablekey8.Value =</p> <p>programablekey8.XMLPhoneBook =</p>	<p>Programablekey13.XMLPhoneBook =</p> <p>programablekey14 corresponds to TRAN</p> <p>Programablekey14.DKtype = 29</p> <p>Programablekey14.Line = 0</p> <p>Programablekey14.Value =</p> <p>Programablekey14.XMLPhoneBook =</p> <p>Programablekey15 corresponds to History</p> <p>Programablekey15.DKtype = 29</p> <p>Programablekey15.Line = 0</p> <p>Programablekey15.Value =</p> <p>Programablekey15.XMLPhoneBook =</p>	
[cfg:/phone/config/vpPhone/Ext38	Parameters as below will take effect after reboot.		

<p>_0000000000000001.cfg,reboot=1]</p> <p>This Path works for both EXP38 and EXP39.</p> <p>Here Ext38_000000000000000X.cfg, X stands for Xth Expansion module.</p> <p>Eg. For Ext38_0000000000000001.cfg, 1 stands for first Expansion module.</p> <p>Here KeyX, X stands for (X+1)th DSSKey on the corresponding Expansion module.</p> <p>Eg.Key0 stands for first DSSKey on the corresponding Expansion module.</p> <p>While Key1 stands for second DSSKey on the corresponding Expansion module.</p> <p>And so on</p>	<p>Key0.DKtype</p>	<p>Integer</p>	<p>It define DKtype for Expansion module Key</p> <p>It's a number reflects the key function.</p> <p>0:N/A 1:Conference</p> <p>2:Forward 3:Transfer</p> <p>4:Hold 5:DND</p> <p>6:Redial</p> <p>7:Call Return 8:SMS</p> <p>9:Call Pickup</p> <p>10:Call Park 11:DTMF</p> <p>12:Voicemail</p> <p>13:SpeedDial</p> <p>14:Intercom 15:Line</p> <p>16:BLF 17:URL</p> <p>18:Group Listening</p> <p>19:Public Hold</p> <p>20:Private Hold</p> <p>21:Shared Line</p> <p>22:XML Group</p> <p>23:Group Pickup</p> <p>24: Paging 25:Record</p> <p>35:URLRecord</p> <p>27:XMLbrowser</p> <p>37:Switch</p> <p>38:LDAP 39:BLF List</p> <p>40:Prefix</p> <p>41: Zero-Sp-Touch</p> <p>42:ACD 45:Local Group</p>
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			46:Broadsoft Group The default is 0.
	Key0.Line	Integer	It define Line value for Expansion Module Key 0 stands for auto 1 stands for line1 2 stands for line2 And so on The default is 0
	Key0.Value	Integer	It define Key Value for Expansion Module Key
	Key0.type	Integer	It define Key type for Expansion Module Key,only needed when the key set to be BLF or BLA, blf stands for BLF bla stands for BLA(SCA)
	Key0.PickupValue	Integer	It define Pickup value for Expansion Module Key
	Key0.Label	String	It define Key Label for EXP39.

Note: If you want to clear the value of the item, just leave it to be blank.

For example:

[psw:phone/config/.htpasswd]

admin=

It will configure the password of Admin as NULL.