Yealink
easy VoIP

Yealink Auto Provisioning User Guide

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Introduction

Yealink IP phones are full-featured telephones that can be plugged directly into an IP network and can be used easily without manual configuration.

This guide shows you how to provision Yealink IP phones with the minimum settings required. Yealink IP phones support the FTP, TFTP, HTTP, and HTTPS protocols for file provisioning and are configured by default to use Trivial File Transfer Protocol (TFTP).

The purpose of this guide is to serve as a basic guidance for auto provisioning Yealink IP phones, including:

- Yealink SIP-T28(P)
- Yealink SIP-T26(P)
- Yealink SIP-T22(P)
- Yealink SIP-T20(P)
- Yealink SIP-T18(P)
- Yealink SIP-T12(P)
- Yealink SIP-T38(G)
- Yealink SIP-T32(G)
- Yealink VP530

The provisioning process outlined in this document applies to the V70 or higher version of Yealink IP phones.

Getting Started

This section shows you how to get ready for the provisioning process. The provisioning process discussed in this guide uses TFTP and a personal computer (PC) as the provisioning server.

To begin the provisioning process, the following are required:

- Obtaining Configuration Information
- Managing Configuration Files

Obtaining Configuration Information

Obtaining Configuration Files

Before you begin provisioning, you will need the configuration files. There are 2 configuration files both of which are CFG formatted that the phone will try to download from the server during provisioning. We call them Common CFG file and MAC-Oriented CFG file.

The MAC-Oriented CFG file is only effectual for the specific phone. It uses the 12-digit MAC address of the phone as the file name. For example, if the MAC address of the phone is 0015651130F9, then the MAC-Oriented CFG file name must be 0015651130F9.cfg. However, the Common CFG file is effectual for all the phones with the same model. It uses a fixed name "y0000000000XX.cfg" as the file name, where "XX" equals to the hardware version of the phone model, except 0 for T28 which is special. The names of the Common CFG file for each model are:

Phone Model	Common Configuration File
SIP-T28(P)	y000000000000.cfg
SIP-T26(P)	y000000000004.cfg
SIP-T22(P)	y000000000005.cfg
SIP-T20(P)	y000000000007.cfg
SIP-T12(P)	y000000000008cfg
SIP-T18(P)	y000000000009.cfg
SIP-T38G	y000000000038.cfg
SIP-T32G	y000000000032.cfg
VP530	y000000000023.cfg

You can ask the distributor for configuration files, or you can also download the configuration files from website at: http://www.yealink.com/index.php/Support/.

Obtaining Phone Information

Before you begin provisioning, you will also need the phone information. For example, MAC address and the SIP account of the phone.

MAC Address: The unique 12-digit serial number of the phone. You can obtain it from the phone's bar code on a label on the back of the phone.

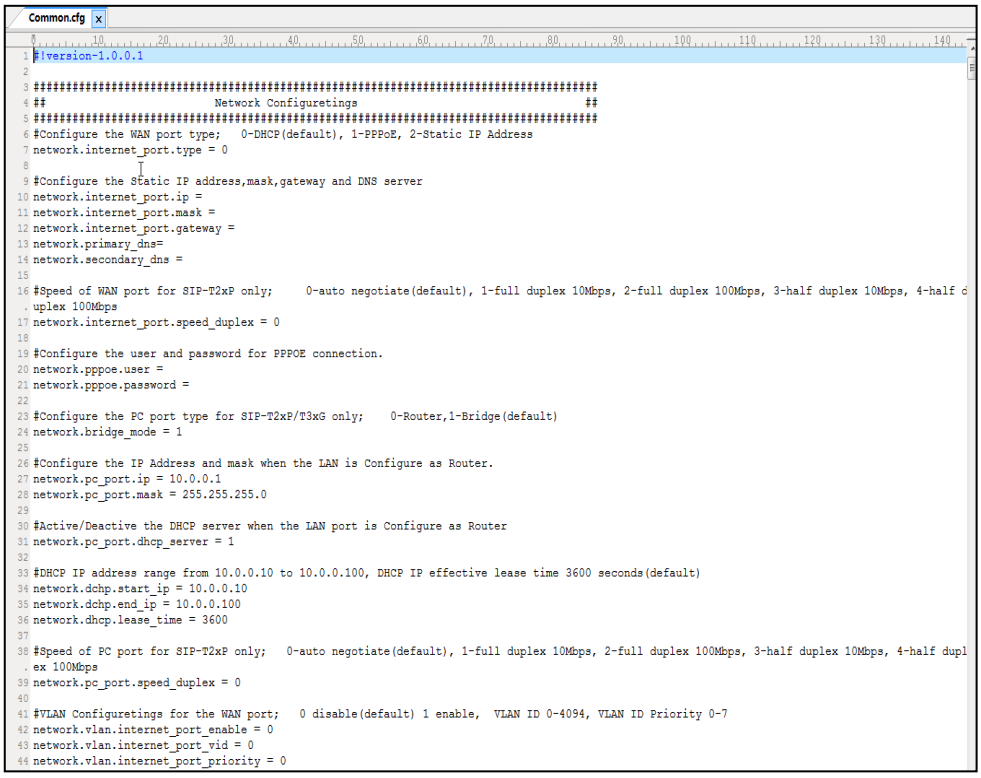
SIP Account: This may includes SIP credentials such as a user name and a password, and the phone's registration server address. Ask your system administrator for SIP account information you need. Although SIP accounts may not be required to get the phone working, but we strongly recommend using them.

Managing Configuration Files

Auto provisioning enables Yealink IP phones to update automatically via downloading the Common CFG file and MAC-Oriented CFG file. Before provisioning you may need to edit and customize your configuration files.

Editing Common CFG File

Common CFG file contains configuration parameters which apply to all phones of the same phone model in an installation, such as the language on the phone LCD screen.



The lines beginning with "#" is the comments instruction.

The parameters commonly edited in the Common CFG file are detailed as following:

```
##############################################################
## Common CFG file start                                    ##
##############################################################

#Indicates that this is the latest CFG template

#!version: 1.0.0.1
###'#!version:1.0.0.1' is the M7 identifier. This line is Mandatory ###

# Set the network type of Internet (WAN) Port (0-DHCP(default), 1-Stastic, 2-PPPOE )
#Require reboot

network.internet_port.type = 0

#Set the IP Address, mask, gateway and DNS Server when using Static WAN settings
(The default is blank).
#Require reboot

network.internet_port.ip = 192.168.1.10

network.internet_port.mask = 255.255.255.0

network.internet_port.gateway =192.168.1.1

network.primary_ dns= 202.101.103.55

network.secondary_dns = 202.101.103.54

#Set the network type of PC（LAN）Port  (0-Router, 1-Bridge(default))
#Require reboot

network.bridge_mode = 1

#LAN port as Router settings
#Require reboot

network.pc_port.ip = 10.0.0.1

network.pc_port.mask = 255.255.255.0

network.pc_port.speed_duplex = 0

network.pc_port.dhcp_server = 1

network.dchp.start_ip = 10.0.0.10

network.dchp.end_ip = 10.0.0.100

# Enable or disable PNP feature (0-Disabled, 1-Enabled (default)).

auto_provision.pnp_enable = 1

#Set the auto provisioning mode (0-Disabled (default), 1-Power on, 4-Repeatedly,
5-Weekly, Power on + Repeatedly, Power on + Weekly)

auto_provision.mode = 1

auto_provision.power_on_enable = 1
```

auto_provision.repeat.enable = 0

auto_provision.repeat.minutes = 1440

auto_provision.schedule.periodic_minute = 1

auto_provision.schedule.time_from = 00:00

auto_provision.schedule.time_to = 00:00

auto_provision.schedule.dayofweek = 0123456

auto_provision.server.url =

auto_provision.server.username =

auto_provision.server.password =

auto_provision.weekly.enalbe = 0

auto_provision.weekly.mask = 0123456

auto_provision.weekly.begin_time = 00:00

auto_provision.weekly.end_time = 00:00

#Set the AES Key used for decrypting the Common CFG file.

auto_provision.aes_key_16.com =

#Set the AES Key used for decrypting MAC-Oriented CFG file.

auto_provision.aes_key_16.mac =

#Set the language used on the Webpage (English (default), Chinese_S, Deutsch, French, Italian, Portuguese, Spanish, Turkish)

lang.wui =

#Set the language used on the phone LCD screen (English (default),Chinese_S, Chinese_T, French, German, Italian, Polish, Portuguese, Spanish, Turkey)

lang.gui = English

#Set the web server access type (0-Disabled, 1-HTTP&HTTPS (default), 2-HTTP only, 3-HTTPS only)

network.web_server_type = 1

#Set the HTTP port (80 by default)
#Require reboot

network.port.http = 80

#Set the HTTPS port (443 by default)
#Require reboot

network.port.https = 443

#Set the new password (admin123) for the administrator

security.user_password = admin: admin123

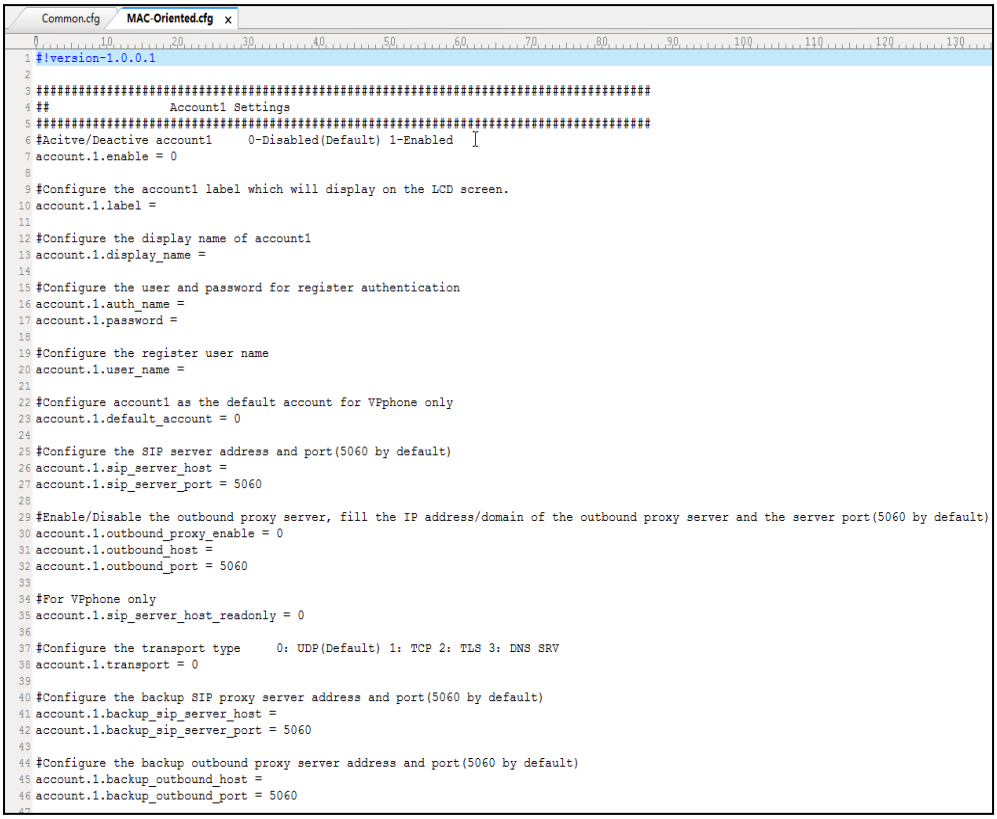
#Set the new password (user123) for the user

security.user_password =user: user123

For more configuration parameters, please refer to the Sample Configuration Files in this guide.

Editing MAC-Oriented CFG File

MAC-Oriented CFG file contains configuration parameters which are expected to be updated per phone, such as the registration information.



The parameters commonly edited in the MAC-Oriented CFG file are detailed as following:

##

MAC-Oriented CFG file start

##

#Indicates that this is the latest CFG template

#!version: 1.0.0.1

###'#!version:1.0.0.1' is the M7 identifier. This line is Mandatory ###

#Line1 settings

#Acitve/Deactive account1 0-Disabled (Default) 1-Enabled

account.1.enable = 0

#Configure the account1 label which will display on the LCD screen.

account.1.label =

#Configure the display name of account1

account.1.display_name =

#Configure the user and password for register authentication

account.1.auth_name =

account.1.password =

#Configure the register user name

account.1.user_name =

#Configure the SIP server address and port (5060 by default)

account.1.sip_server_host =

account.1.sip_server_port = 5060

#Line2 settings

#Acitve/Deactive account2 0-Disabled(Default) 1-Enabled

account.2.enable = 0

#Configure the account1 label which will display on the LCD screen.

account.2.label =

#Configure the display name of account2

account.2.display_name =

#Configure the user and password for register authentication

account.2.auth_name =

account.2.password =

#Configure the register user name

account.2.user_name =

#Configure the SIP server address and port(5060 by default)

account.2.sip_server_host =

account.2.sip_server_port = 5060

#Line3 settings

#Acitve/Deactive account3 0-Disabled(Default) 1-Enabled

account.3.enable = 0

#Configure the account1 label which will display on the LCD screen.

account.3.label =

#Configure the display name of account3

account.3.display_name =

#Configure the user and password for register authentication

account.3.auth_name =

account.3.password =

#Configure the register user name

account.3.user_name =

#Configure the SIP server address and port(5060 by default)

account.3.sip_server_host =

account.3.sip_server_port = 5060

#Line4 settings (apply to T28P, T38G and VPx only)

#Acitve/Deactive account4 0-Disabled(Default) 1-Enabled

account.4.enable = 0

#Configure the account1 label which will display on the LCD screen

account.4.label =

#Configure the display name of account3

account.4.display_name =

#Configure the user and password for register authentication

account.4.auth_name =

account.4.password =

#Configure the register user name

account.4.user_name =

#Configure the SIP server address and port(5060 by default)

account.4.sip_server_host =

account.4.sip_server_port = 5060

#Line5 settings (apply to T28P, T38G only)

#Acitve/Deactive account5 0-Disabled(Default) 1-Enabled

account.5.enable = 0

#Configure the account1 label which will display on the LCD screen

account.5.label =

#Configure the display name of account5

account.5.display_name =

#Configure the user and password for register authentication

account.5.auth_name =

account.5.password =

#Configure the register user name

account.5.user_name =

#Configure the SIP server address and port(5060 by default)

account.5.sip_server_host =

account.5.sip_server_port = 5060

#Line6 settings (apply to T28P, T38G only)

#Acitve/Deactive account6 0-Disabled(Default) 1-Enabled

account.6.enable = 0

#Configure the account1 label which will display on the LCD screen.

account.6.label =

#Configure the display name of account6

account.6.display_name =

#Configure the user and password for register authentication

account.6.auth_name =

account.6.password =

#Configure the register user name

account.6.user_name =

#Configure the SIP server address and port (5060 by default)

account.6.sip_server_host =

account.6.sip_server_port = 5060

Customizing Resource Files

You can configure the phone features via the configuration parameters in the configuration CFG files. You can also customize your phone with a personalized ringtone, language or logo on the LCD screen.

Customizing a Ringtone

Yealink IP phones have built-in system ringtones and the default ring type is Ring1. You can change the ring type, or you can customize your personal ringtone and make it take effect via auto provisioning.

The ringtone file must use PCMU audio format, mono channel, 8K sample rate and 16 bit resolution.

The ringtone file format must be .wav.

All ringtone files uploaded must be within 100KB.

##

Custom ringtone request in CFG file

ringtone.url =

#ringtone.delete =http://localhost/all

#delete all custom ringtones uploaded through auto provision

ringtone.delete =

##

For example: fill "ftp://192.168.1.100/Ring9.wav" after the "ringtone.url =". During auto provisioning process, the phone links to the provisioning server "192.168.1.100", and downloads the ringtone file "Ring9.wav".

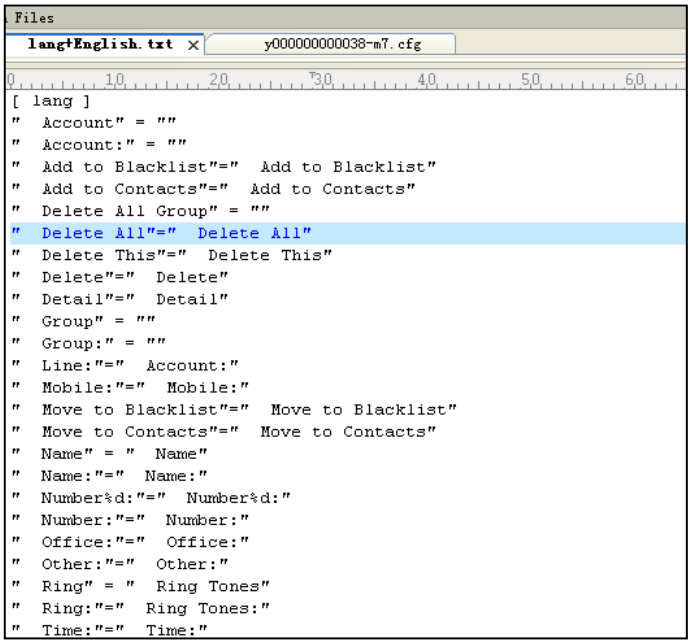
You'd better check that the ringtone file has been uploaded to the root directory on the server before provisioning.

You can ask for a personal ringtone file, or you can customize a ringtone file. For more information about customizing a ringtone file, you can refer to the Customizing a Ringtone Using CoolEdit Pro in this guide.

Customizing a LCD Language

Yealink IP phones enable you to modify the translation of the existent languages on the LCD screen, but don't enable you to add new languages. To modify an existent language, you need to edit the language file, upload it to the root directory of the provisioning server, and then edit the request in CFG file.

Modify translation of the language file:




```
##########################################################
##          Custom LCD language request in CFG file    (for SIP-T2xP/T3xG only)    ##
gui_lang.url =
#gui_lang.delete = =http://localhost/all
#delete all custom languages from localhost
gui_lang.delete =
##########################################################
```

For example: fill "ftp://192.168.1.100/lang+English.txt" after the "gui_lang.url = ". During auto provisioning process, the phone links to the provisioning server "192.168.1.100", and download the language file "lang+English.txt".

Available languages may be different between different firmware versions. Ask the distributor for the language template file.

Customizing a LCD Logo

Yealink SIP-T2xP/T1xP IP phones enable you to customize the logo showed on the phone LCD screen (The SIP-T20P IP phone only supports displaying the text logo). Ask the distributor for the logo file, or you can customize a .dob logo file. Upload the logo file to the root directory on the provisioning server and then edit the request in the CFG file:

```
##################################################
##                Custom LCD logo request in CFG file                ##
#(SIP-T2xP/T1xP only, not applicable to T20P)
lcd_logo.url =
#lcd_logo.delete = =http://localhost/all
#delete all custom logo files
lcd_logo.delete =
```

For example: fill "ftp://192.168.1.100/ logo.dob" after the "lcd_logo.url =". During auto provisioning process, the phone links to the provisioning server "192.168.1.100", and downloads the logo file "logo.dob".

Logo File format for each phone model

Phone model	Logo file format	Resolution
SIP-T28P	.dob	**<=236*82** 2 gray scale
SIP-T26P	.dob	**<=132*64** 2 gray scale
SIP-T22P	.dob	**<=132*64** 2 gray scale
SIP-T18P	.dob	**<=132*64** 2 gray scale
SIP-T12P	.dob	**<=132*64** 2 gray scale

Upload the logo file to the root directory on the provisioning server. After provisioning, the phone boots up, and you will then find that the customized logo picture displays on the phone LCD screen.

For more information about customizing a Logo file, refer to Customizing a Logo File Using PictureExDemo in this guide.

Uploading Local Contacts

Yealink IP phones enable you to batch upload contact data by auto provisioning. Edit the ContactData.xml file, upload the file to the root directory on the provisioning server and then edit the request in the CFG file.

Add contact data in ContactData.xml:

```
<contactData>
  <group>
    <contact sDisplayName="Mary" sOfficeNumber="1234"
sMobilNumber="12345678901" sOtherNumber="2231" sLine="0" sRing="Auto"/>
    <contact sDisplayName="Damy" sOfficeNumber="1235"
sMobilNumber="12345678902" sOtherNumber="2232" sLine="0" sRing="Auto"/>
    <contact sDisplayName="John" sOfficeNumber="1236"
sMobilNumber="12345678903" sOtherNumber="2233" sLine="0" sRing="Auto"/>
     </group>
 <blacklist>
   <contact sDisplayName="Mili" sOfficeNumber="7788"
sMobilNumber="44444444444" sOtherNumber="2222" sLine="0" sRing="Auto"/>
</blacklist>
</contactData>
```

```
#######################################################
##              Upload local contact request in CFG file              ##
#Require reboot
local_contact.data.url =
#######################################################
```

For example: fill “ftp://192.168.1.100/ ContactData.xml” after the “local_contact.data.url =”. During auto provisioning process, the phone links to the provisioning server “192.168.1.100”, and download the contact file “ContactData.xml”.

Yealink IP phones support both the .xml and .csv contact file formats.

Updating Firmware

Yealink IP Phones enable you to update the firmware one by one via the web user interface, or to batch update the firmware via the auto provisioning. To batch update the phones’ firmware via auto provisioning, ask the distributor for the firmware file, upload it to the root directory on the provision server, and then edit the request in CFG files.

```
##################################################
##          Updating firmware request in CFG file          ##
firmware.url =
##################################################
```

For example: fill "ftp://admin:password@192.168.1.100/2.61.0.80.rom" after the "firmware.url =". During auto provisioning process, the phone links to the provisioning server "192.168.1.100" ("admin" as the authentication user name and "password" as the authentication password), and download the firmware file 2.61.0.80.rom.

Configuring a TFTP Feature Server

Yealink IP Phones support the FTP, TFTP, HTTP and HTTPS protocols for file provisioning and are configured by default to use TFTP. You can use any protocol you like for provisioning. The example configuration in this section uses TFTP.

We recommend that you can use 3CDaemon or TFTP32 tool as a TFTP server. 3CDaemo and TFTPD32 are free applications for Windows. You can download the 3CDaemon software at: http://www.oldversion.com/3Com-Daemon.html and TFTP32 at: http://tftpd32.jounin.net/.

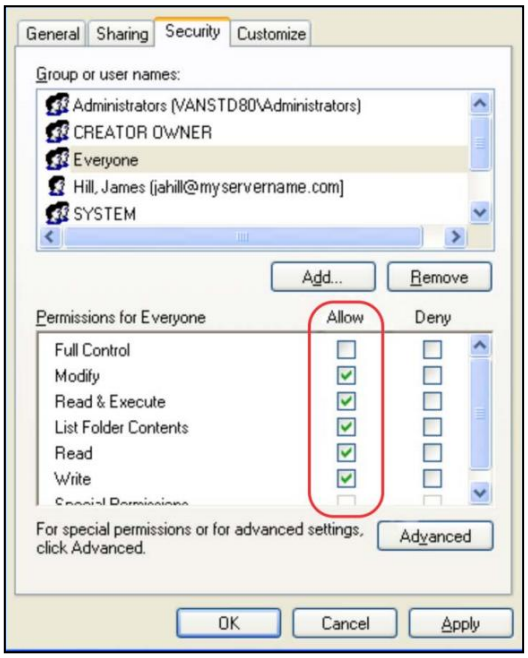
We provide a simple instruction of configuring a TFTP server using 3CDaemon tool in the Configuring a FTP server section.

Preparing a Root Directory

To prepare a root directory:

1. Create a root TFTP directory on the provisioning computer.
2. Place the configuration files to this root directory.
3. Set the security permissions on the TFTP directory folder.
4. You will need to define a user or a group name and allow permissions to read, write, and modify files. Security permissions vary by organization.

   An example using a Windows platform is shown as below:

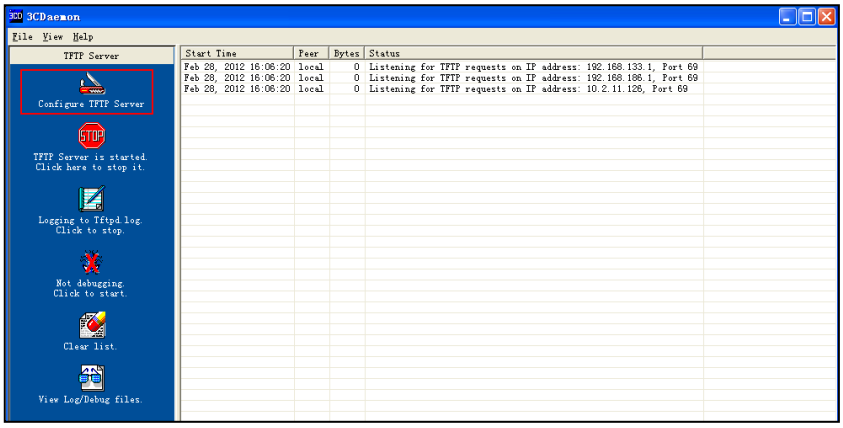


Configuring a TFTP Server

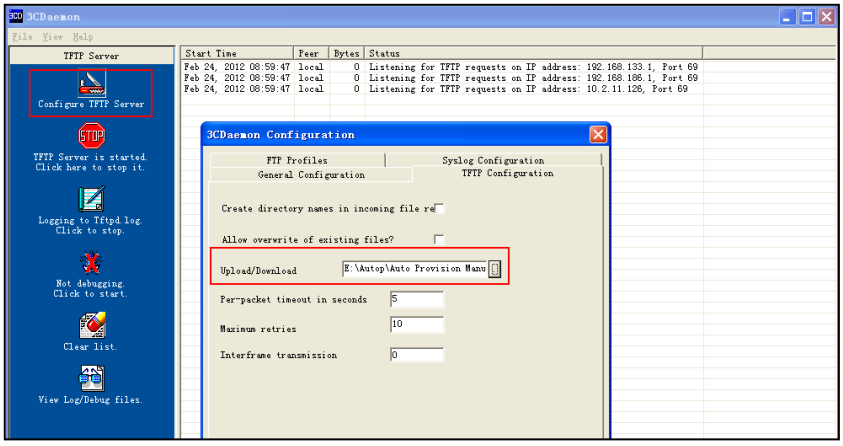
If you have a 3CDaemon application installed on your computer, open it now, or otherwise, download and install it.

To configure a TFTP server:

1. Double click the 3CDaemon.exe to start the application. A configuration page shows as below:



2. Select **Configure TFTP Server**. Click the  button to locate the TFTP root directory on the computer:



3. Click the **Confirm** button to finish configuring the TFTP server. The server URL "tftp://IP/" (Here "IP" means the IP address of the provisioning server, for example, "tftp://192.168.1.100/") is capable of TFTP download.

Obtaining Server Address

Yealink IP phones support to obtain the server address during starting up process in the following ways:

- Zero-Sp-Touch
- Plug and Play (PNP) Server
- DHCP Options
- Phone Flash

When the phone boots up, it will go by the following process to try to obtain the server address step by step: Zero-Sp-Touch -->PnP server -->DHCP options (Custom option --> option 66 ->option 43) -->Phone Flash.

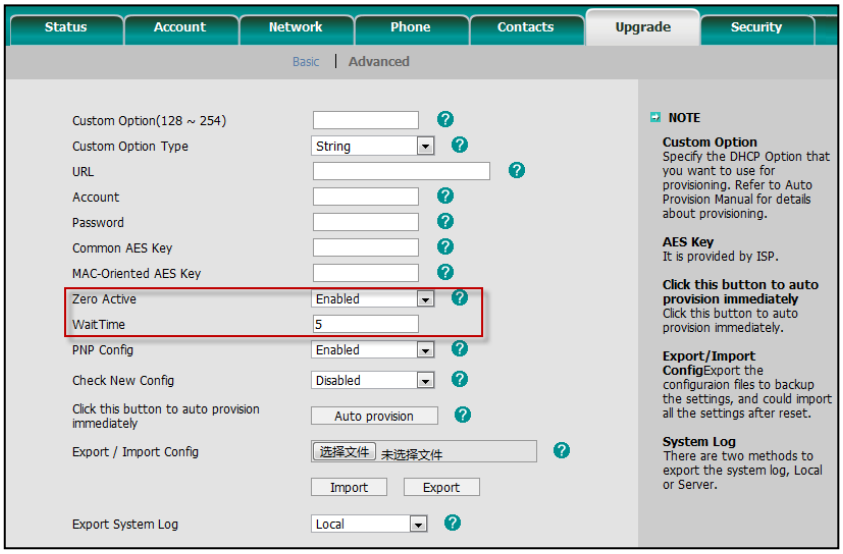
The following sections detail each process.

Zero-Sp-Touch

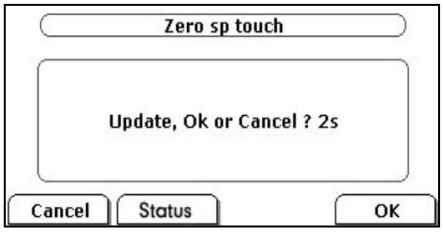
Zero-Sp-Touch enables you to configure the network and provisioning server address on the phone LCD screen during starting up. It is helpful when there is a system failure on the phone. To use Zero-Sp-Touch, you need to make sure that this function is active.

To configure Zero-Sp-Touch:

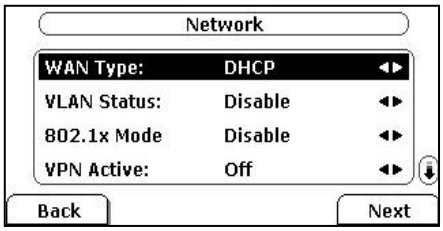
1. Access the web interface of the phone, click on **Upgrade** -->**Advanced**, make sure the **Zero Active** is **Enabled**, and the **Wait Time** is reasonable (in seconds).



2. When Zero-Sp-Touch is enabled, there will be a configure guide on LCD during the booting up process:

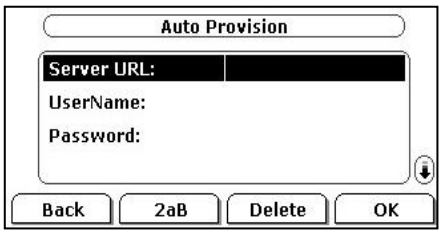


3. Press the **OK** soft key. Then you can configure the network on the LCD screen:



4. Press the **Next** soft key after network configuration. Configure the provisioning server address, authentication username (optional) and password (optional) on the Auto Provision interface.

   A sample screenshot is shown below:

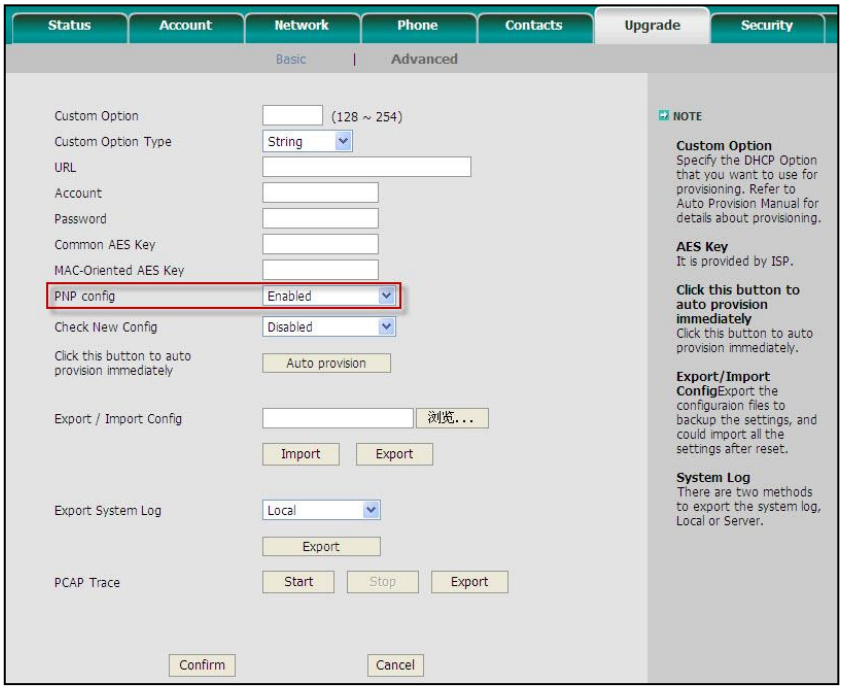


Plug and Play (PNP) Server

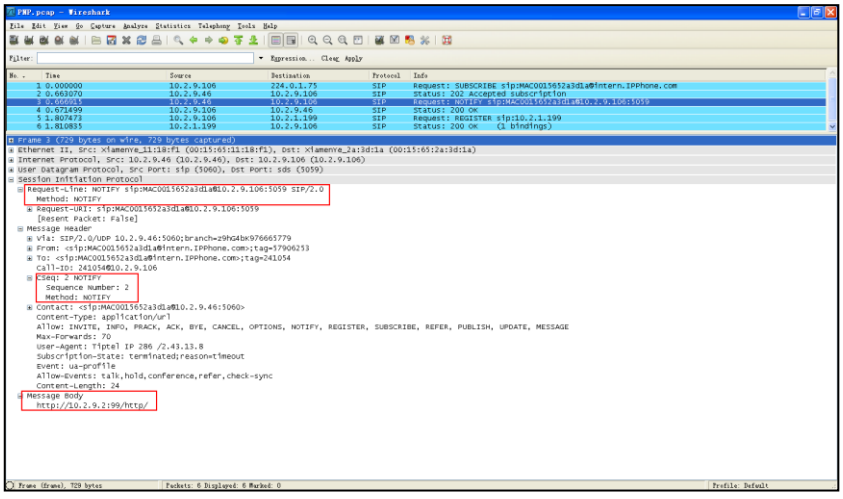
Yealink IP phones support obtaining a provisioning server address from PNP servers. The phone broadcast the PNP subscribe message to obtain a provisioning server address during starting up. To use Plug and play, you need to make sure that this function is active.

To configure a PNP server:

1. Access the web interface of the phone, Click on **Upgrade** ->**Advanced**, make sure the **PNP config** is **Enabled**.



2. Any PNP server activated in the network responses with a **SIP NOTIFY** message and a server address in the message body. The phone can then link to server and then go into provisioning process.

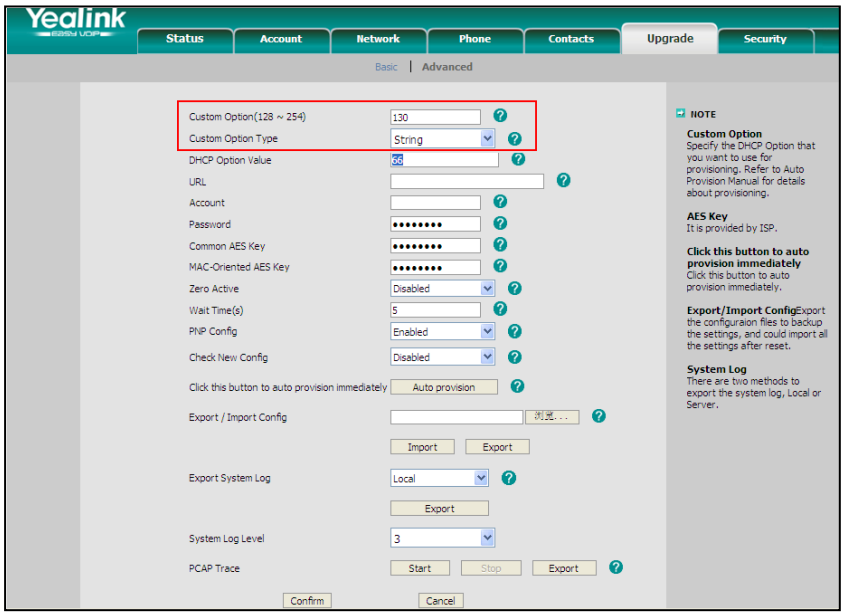


DHCP Options

Yealink IP phones support obtaining a provisioning server address from DHCP options. You can configure the phone to obtain a provisioning server address from a custom DHCP option, or the phone will automatically detect the Option 66 or Option 43.

To obtain a provisioning server by a custom DHCP option, you need to make sure that the configuration is set properly.

1. Access the web interface of the phone.
2. Click on **Upgrade** ->**Advanced**.
3. Fill the **Custom Option** field and select the **Custom Option Type**.



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.

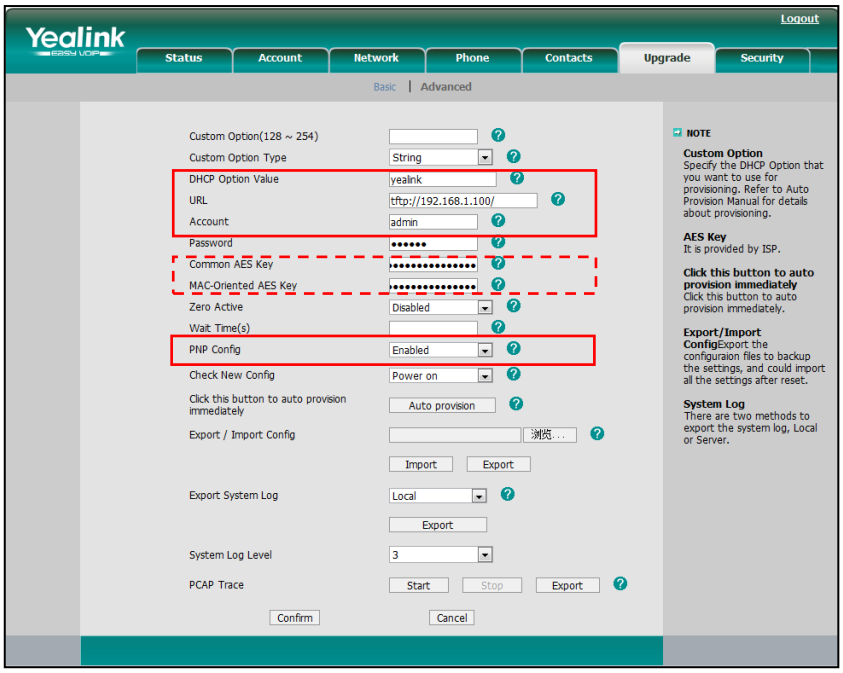
Phone Flash

Yealink IP phones support obtaining a provisioning server address from the phone flash.

To obtain a provisioning server by reading the phone flash, you need to make sure that the configuration is set properly.

1. Access the web interface of the phone.
2. Click on **Upgrade** ->**Advanced.**
3. Fill the **URL**, **Account** and **Password** fields (the authentication account and password is optional).

4. Select **Power on** from the pull-down list of **Check New Config**.



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

Reboot the phone after the above configurations. During starting up, the phone will link to the provisioning server **192.168.1.100**, using the authentication user name and password filled in the **Account** and **Password** fields. If the phone fails to get any information from phone flash, the current round of obtaining server address will stop here.

Downloading and Verifying Configurations

Downloading Configuration Files

Once obtaining a provisioning server address from any way introduced above. The phone will link to the provisioning server and download the configuration files. During the provisioning process, the phone will try to download the Common CFG file first, and then try to download the MAC-Oriented CFG file from the root directory from the provisioning server. If resource files need to be updated and the correct request configurations has been added to the CFG file. The phone will then try to link the server, download and update the resource files.

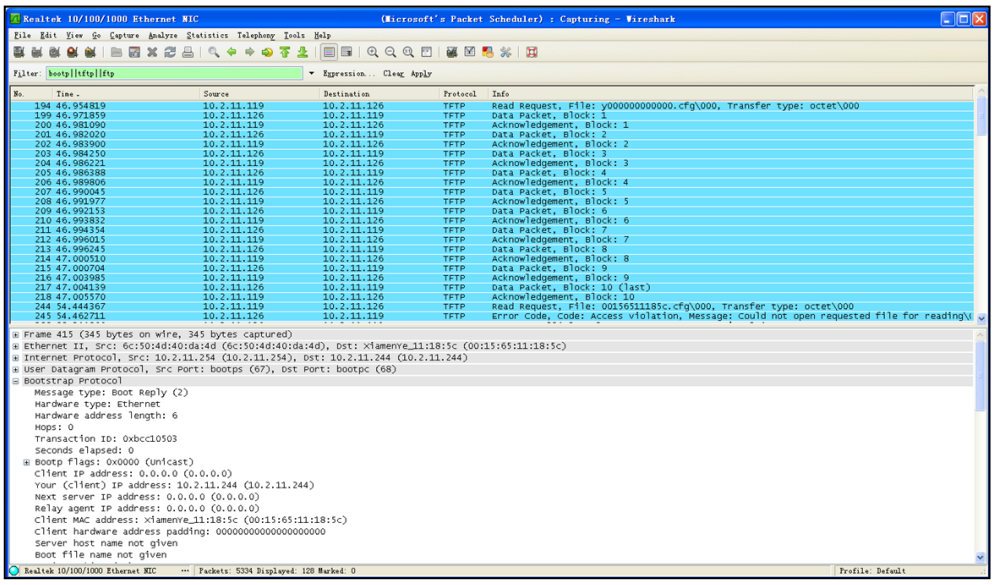
Verifying Configurations

After auto provisioning, the phone starts up. You can then verify the update on the phone LCD screen, or you can verify it via the web user interface of the phone. For more information, refer to the user guide of the Yealink IP phones.

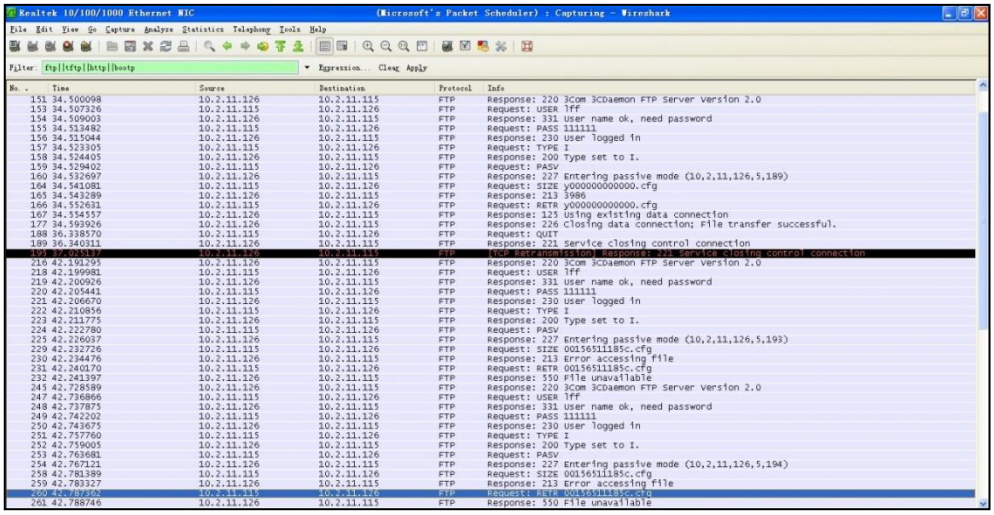
During the auto provisioning process, you can monitor the downloading request and response message by a WinPcap tool.

If the MD5 value of the CFG file is different from that of the last one, the phone updates the configuration and then reboot. Otherwise, the phone gives up update and doesn't reboot.

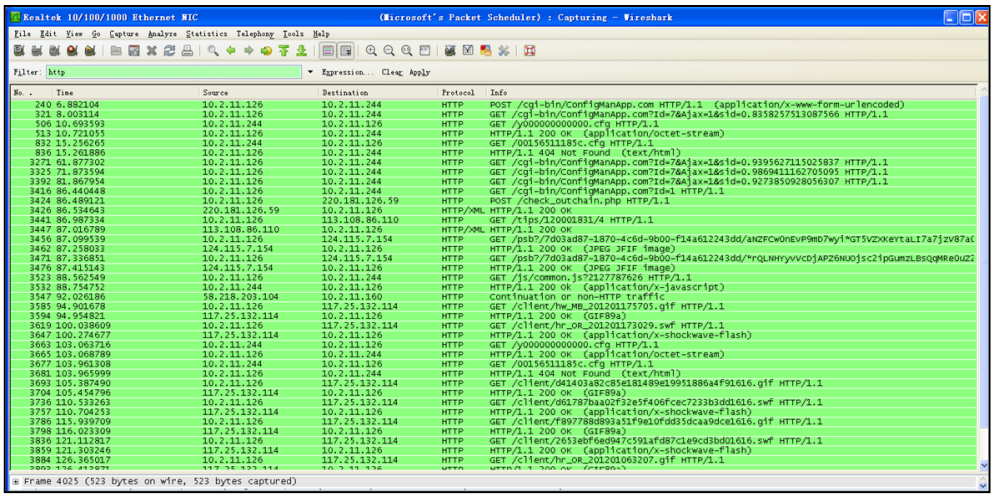
Example1: Yealink IP phone downloads CFG files by TFTP.



Example 2: Yealink IP phone downloads the configuration files by FTP.



Example 3: Yealink IP phone download the configuration files by HTTP.



Troubleshooting

This chapter provides general troubleshooting information to help you solve the problems you might encounter when deploying the Auto Provisioning.

If you require additional information or assistance with the deployment, contact your system administrator.

Why does the phone cannot download a file?

- Ensure that the Auto Provisioning feature is enabled.
- Check that whether the provisioning Server or Network Server are unreachable or return an error (access list).
- Check authentication credentials (or disable authentication) on the Provisioning Server.
- Ensure that the file exists on the Provisioning Server.

Why does a phone download a file that is meant for another phone?

- Ensure that all files have a unique URI to access them when doing the provisioning.
- Make sure that the file is the unique file for the phone, for example, the mac.cfg.

Why does the phone not reset?

- Make sure that the device has registered.
- If registration is being used, check that authentication has been assigned and configured for the user.
- Check that the registration has been turned on for the device.

Why does the Provisioning Server or Xtended Services Platform return a HTTP 404?

- Check that the web apps are properly deployed.
- Revisit the path configuration (URL rewriting, port).
- Ensure that the requested file exists on the Provisioning Server.

Why does the phone display "Network Unavailable"?

- Ensure that the Ethernet cable is plugged into the Internet port o the phone and the Ethernet cable is not loose.
- Ensure that the switch or hub in your network is operational.
- Contact your system administrator for more information.

Why does the permission denied when uploading files to a FTP server?

- Ensure that the root directory of the FTP server contains the full directory path.
- On the Provisioning server, check the file permissions, if necessary, change the file permission.
- Contact your system administrator for more information.

Why does the phone not obtain the IP address by DHCP Server?

- Ensure that your settings are right on the DHCP Server.
- Ensure your phone is obtained the IP address via DHCP.
- Contact your system administrator for more information.

Why doesn't the phone upload the ringtone?

- Make sure that the ringtone file's type is .wav format.
- Make sure that the size of the ringtone file is no larger than the phone support.
- Check the ringtone's properties are all right for the phone.
- Ensure the network is available and the root directory is right for uploading.
- Ensure that the file exists on the Provisioning Server.

Why doesn't the phone apply the configurations and do the auto provisioning?

- Ensure you have uploaded the configuration files to your phone.
- Make sure that you have done the changes in the configuration files.

Glossary

The following terms are used frequently in this document:

VoIP: Voice over IP (VoIP) is a family of technologies, methodologies, communication protocols, and transmission techniques for the delivery of voice communications and multimedia sessions over Internet Protocol (IP) networks, such as the Internet.

MAC Address: A Media Access Control address (MAC address) is a unique identifier assigned to network interfaces for communications on the physical network segment.

MD5: The MD5 Message-Digest Algorithm is a widely used cryptographic hash function that produces a 128-bit (16-byte) hash value.

DHCP: Dynamic Host Configuration Protocol (DHCP) is a network configuration protocol for hosts on Internet Protocol (IP) networks. Computers that are connected to IP networks must be configured before they can communicate with other hosts.

FTP: File Transfer Protocol (FTP) is a standard network protocol used to transfer files from one host to another host over a TCP-based network, such as the Internet. It is often used to upload web pages and other documents from a private development machine to a public web-hosting server.

HTTP: The Hypertext Transfer Protocol (HTTP) is an application protocol for distributed, collaborative, hypermedia information systems. HTTP is the foundation of data communication for the World Wide Web.

HTTPS: Hypertext Transfer Protocol Secure (HTTPS) is a combination of Hypertext Transfer Protocol (HTTP) with SSL/TLS protocol. It provides encrypted communication and secure identification of a network web server.

TFTP: Trivial File Transfer Protocol (TFTP) is a simple protocol to transfer files. It has been implemented on top of the User Datagram Protocol (UDP) using port number 69.

AES: Advanced Encryption Standard (AES) is a specification for the encryption of electronic data.

URL: A uniform resource locator or universal resource locator (URL) is a specific character string that constitutes a reference to an Internet resource.

XML: Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable

Appendix

Configuring a FTP Feature Server

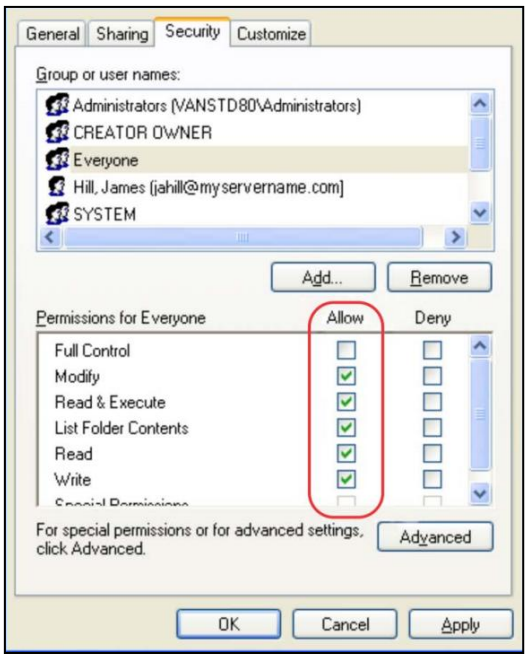
This chapter shows you how to configure a FTP server using 3CDaemon and how to configure a HTTP server using HFS tool. You can download the 3CDaemon software at: http://www.oldversion.com/3Com-Daemon.html and HFS at: http://www.snapfiles.com/get/hfs.html

Preparing a Root Directory

To prepare a root directory:

1. Create a root FTP directory on the provisioning computer.
2. Place the configuration files to this root directory.
3. Set the security permissions on the FTP directory folder.

You will need to define a user or group name and allow permissions to read, write, and modify files. Security permissions vary by organization. An example using a Windows platform is shown as below:

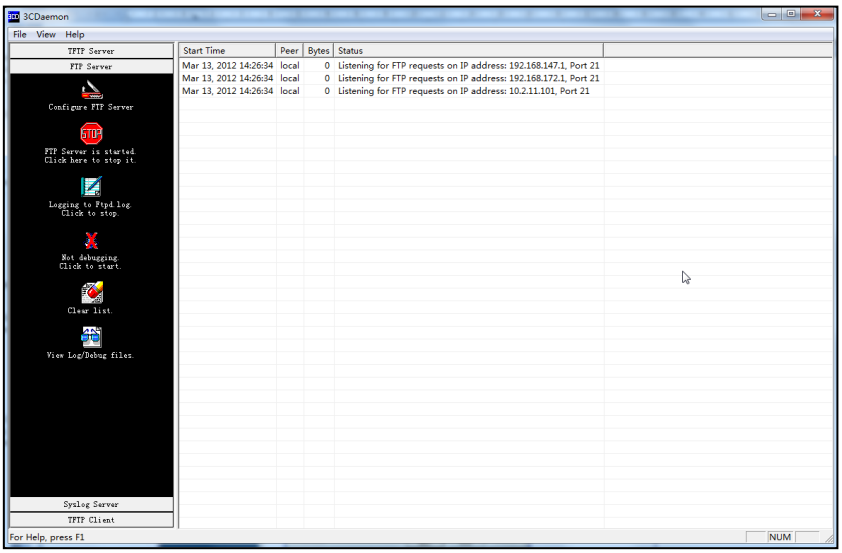


Configuring a FTP server

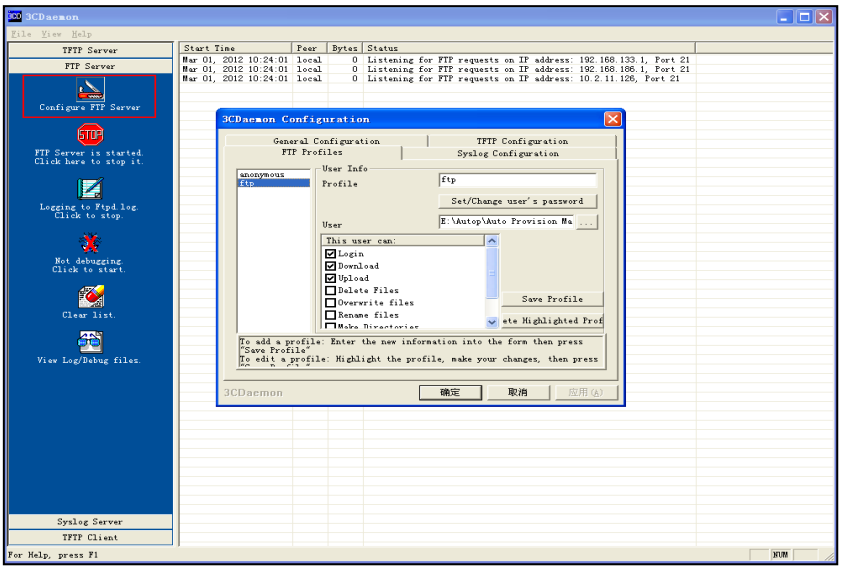
If you have a 3CDaemon application installed on your computer, open it now, or otherwise, download and install it.

To configure a FTP server:

1. Double click the 3CDaemon.exe to start the application. Click the FTP Server button on the left of the main page. A screenshot are showed as below:

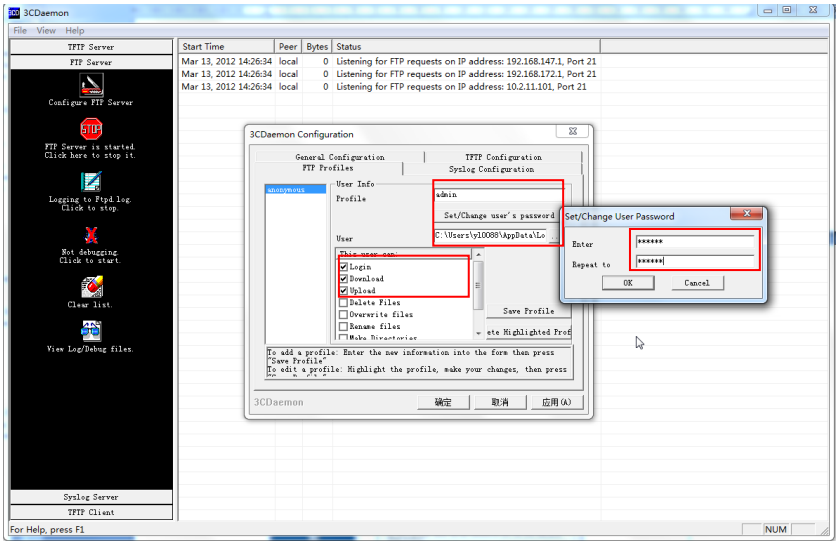


2. Select **Configure FTP Server**. Click the  button to locate the TFTP root directory on the computer:

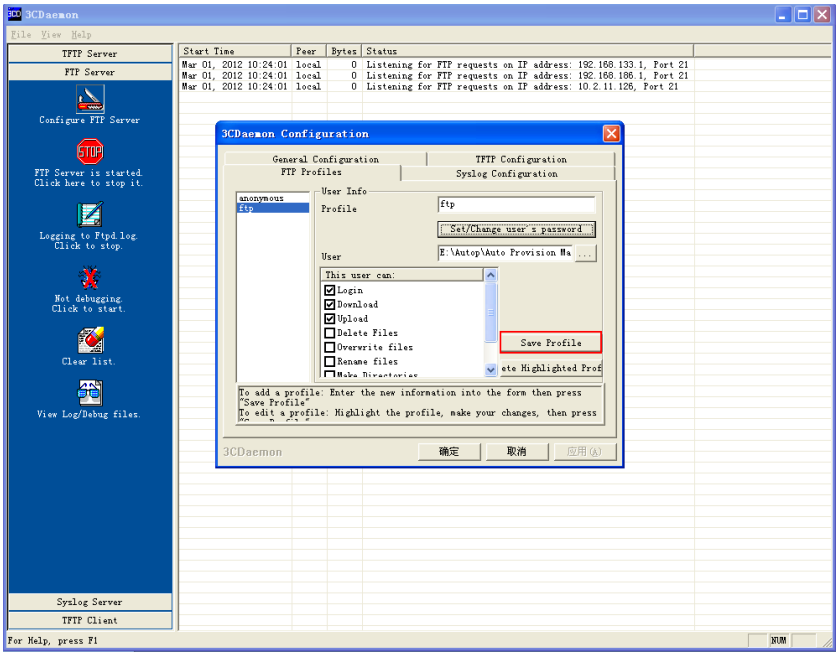


3. Enter the new authentication username in the **Profile** filed. Click the **Set/Change user's password** button to set the password in the pop-up dialogue box. Click the OK soft key to save.

4. Mark the check boxs before **Login**, **Download** and **Upload** to make sure the ftp user has the login, download and upload permission.



5. Click the **Save Profile** button to save the settings and finish the configurations.



6. Click the **Confirm** button to finish configuring the FTP server. The server URL "ftp://username:password@IP/" (Here "IP" means the IP address of the provisioning server, "username" and "password" are the authentication for FTP download. For example, "ftp://admin:123456@192.168.1.100/") is capable of TFTP download.

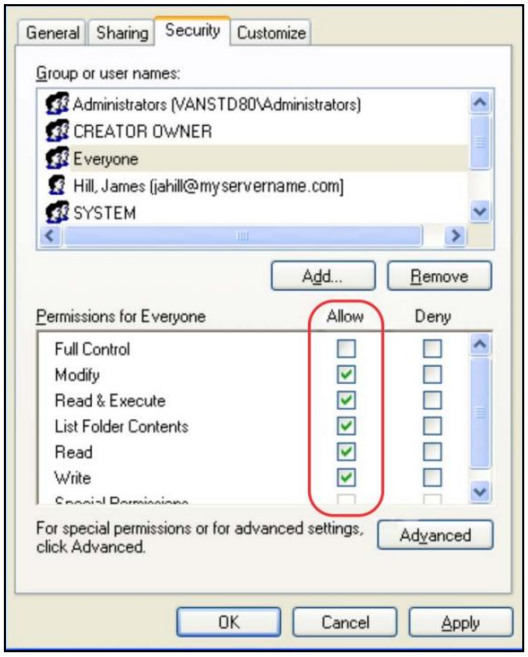
Configuring a HTTP Server

Preparing a Root Directory

To prepare a root directory:

1. Create a root HTTP directory on the provisioning computer.
2. Place the configuration files to this root directory.
3. Set the security permissions on the FTP directory folder. You will need to define a

user or group name and allow permissions to read, write, and modify files. Security permissions vary by organization. An example using a Windows platform is shown as below:

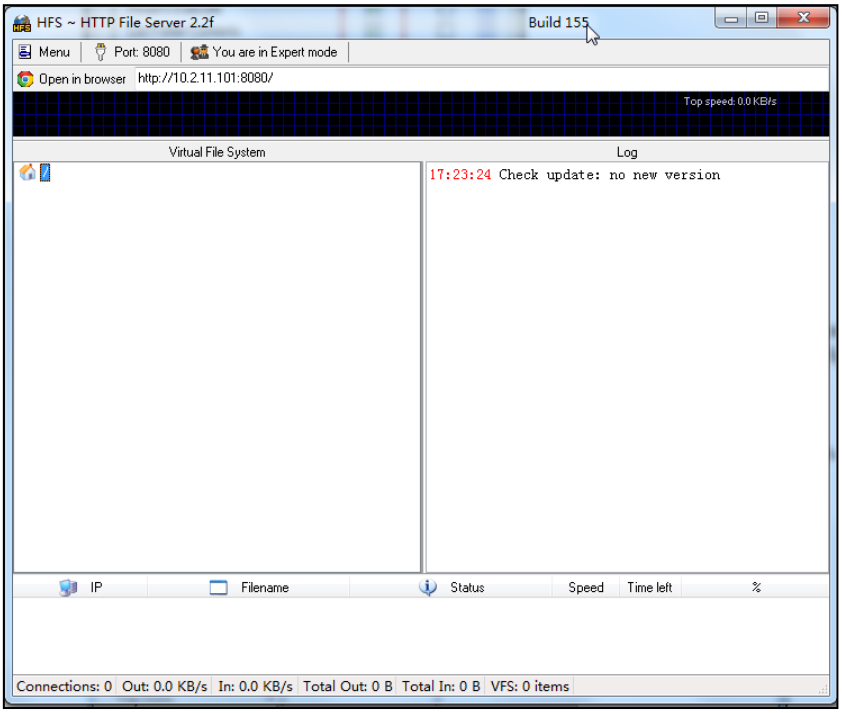


Configuring a HTTP Server

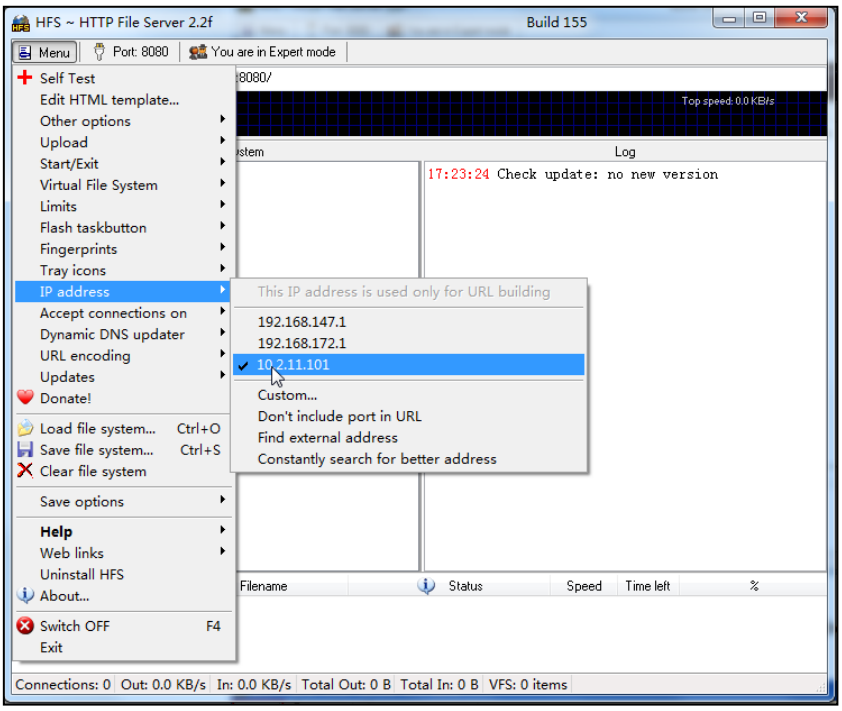
HFS tool is an executable application, so you don't need to install it.

To configure a HTTP server:

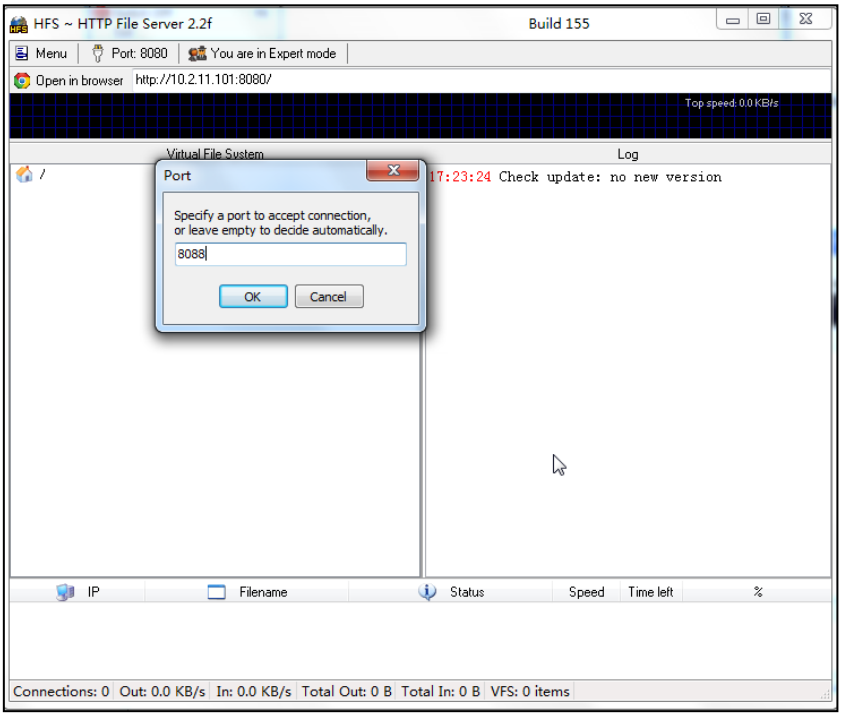
1. Download the application file to your local directory, double click the hfx.exe. The main configuration page shows as below:



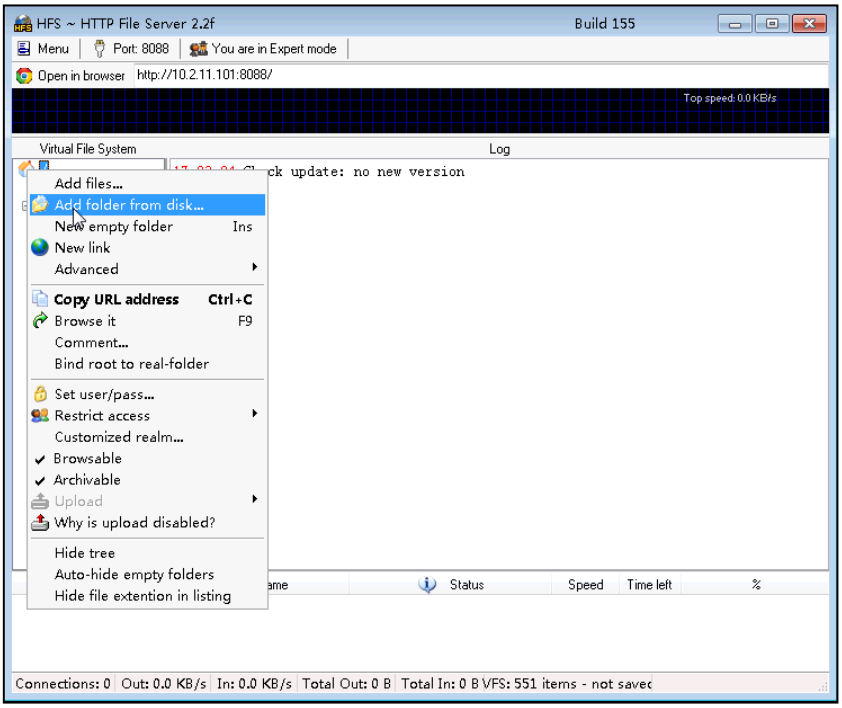
2. Click **Menu** in the main page and select the IP address of the PC from **IP address.**



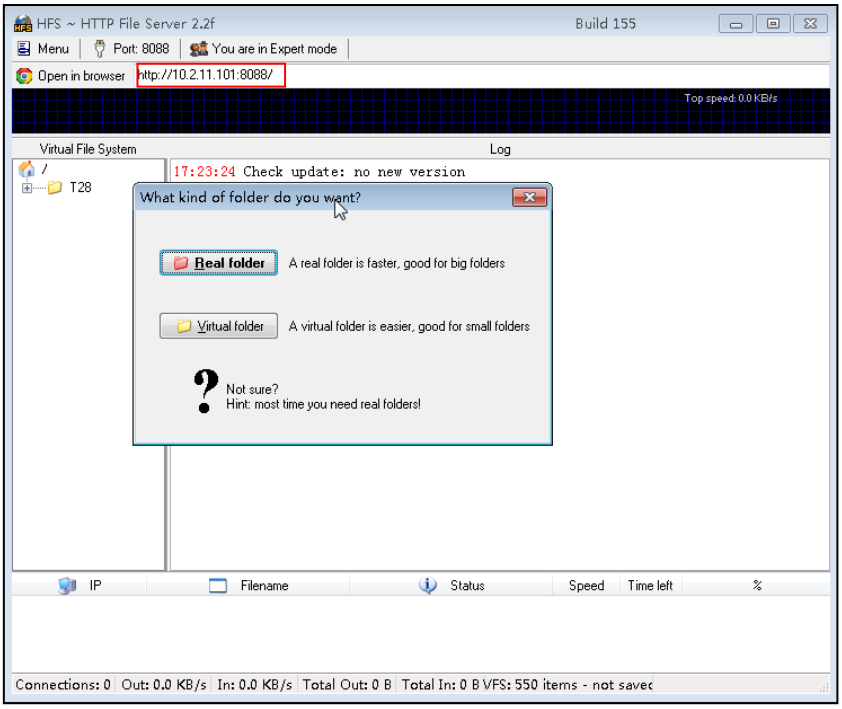
3. The default HTTP port is 8080. You can also reset the HTTP port (make sure the port isn't used before you reset).



4. Right click the icon on the left of the main page, select **Add folder from disk** to add the HTTP Server root directory.



5. Locate the root directory from the computer system. Select the kind of folder which you want.



6. Check the server URL "http:// IP:Port/" in the "**Open in browser**" address bar (For example, the server URL "http:// 10.2.11.101:8088/" showed on the screenshot) . We recommend that you can fill the server URL in the address bar of the web browser and then press Enter to check the HTTP server before provisioning.

Yealink IP phones also support the Hypertext Transfer Protocol with SSL/TLS (HTTPS) protocol for auto provisioning. HTTPS protocol provides encrypted communication and secure identification. For more information about installing and configuring an Apache HTTPS Server, you can refer to the network resource.

Configuring a DHCP server

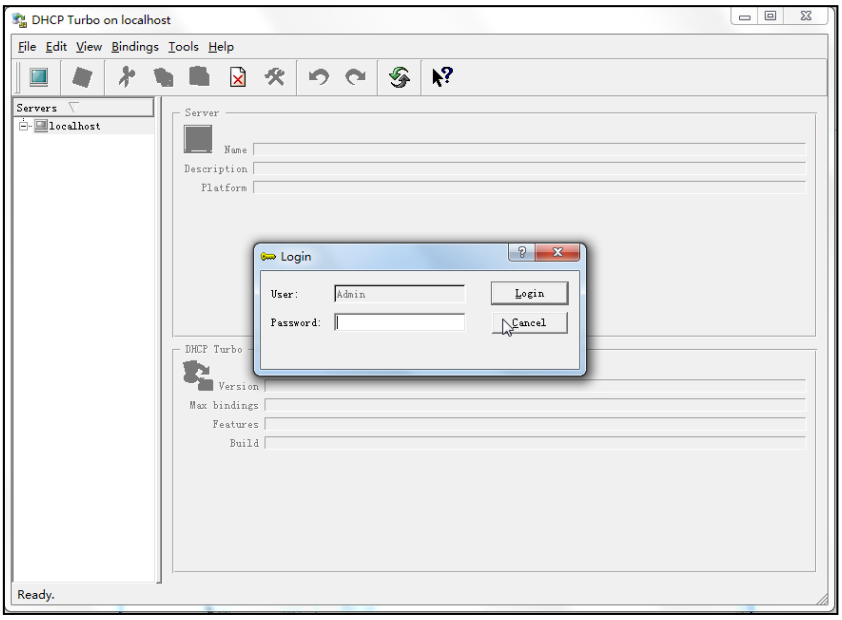
This session shows you how to configure a DHCP server for windows using DHCP Turbo. You can down this software from web site at: http://www.tucows.com/preview/265297, and install it following the Setup wizard.

Before configuring the DHCP Turbo, make sure that:

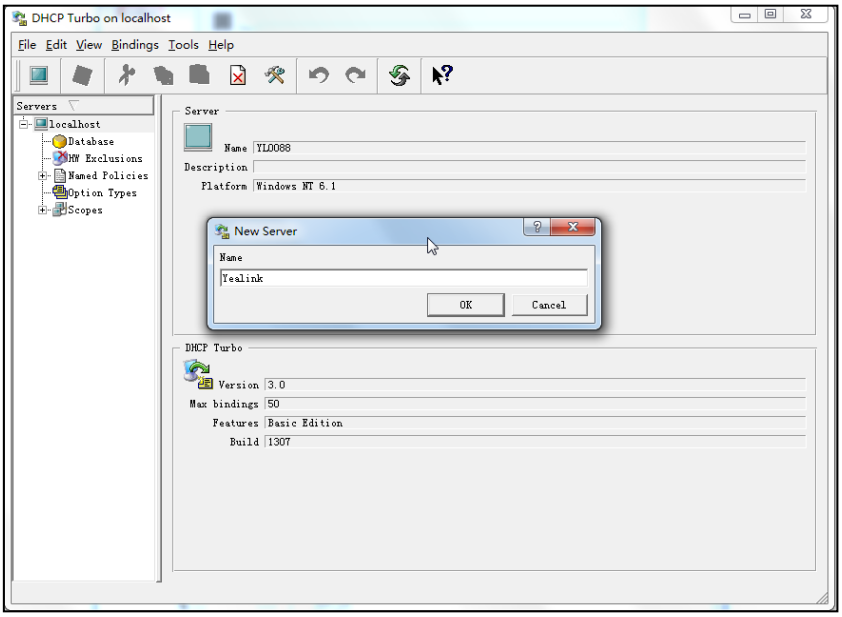
- The firewall on the PC is disabled.
- There is no DHCP server in your local system.

To configure the DHCP Turbo:

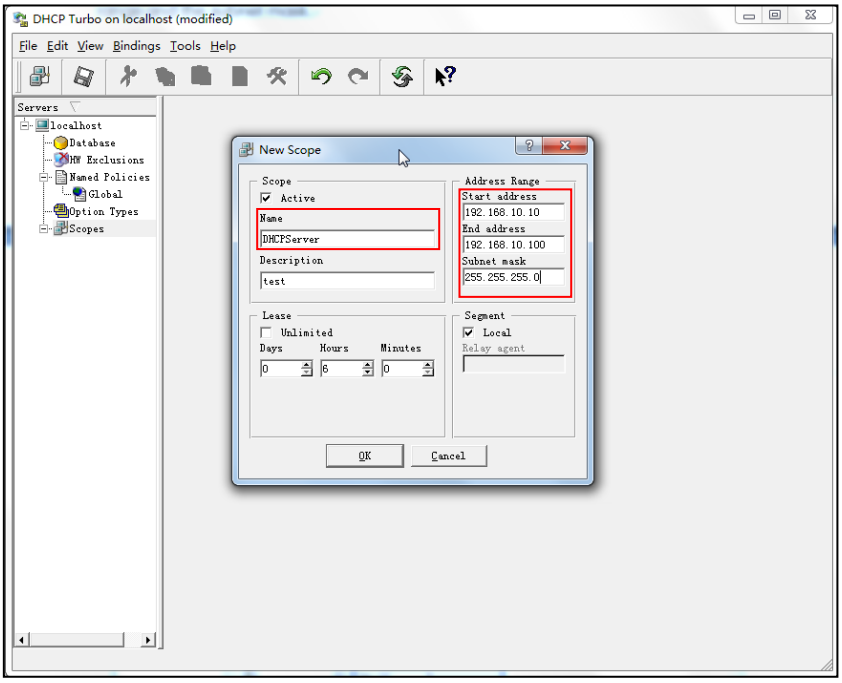
1. Start the DHCP Turbo application, double click the **localhost** and then click the **Login** button (the login password is blank) to login.



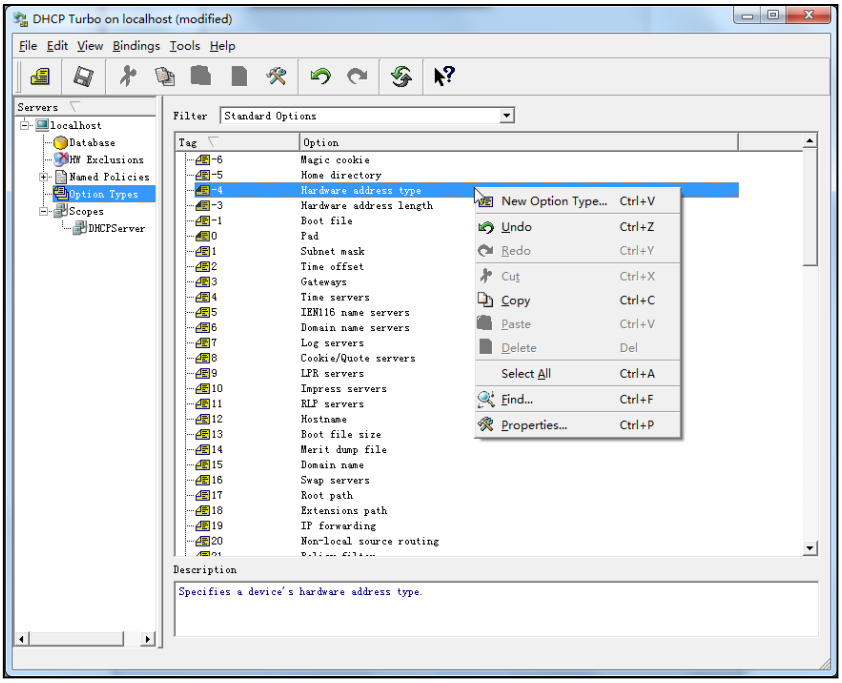
2. You can then edit the existed DHCP server, or you can right click the **localhost** and select **"New Server"** to add a new DHCP server.



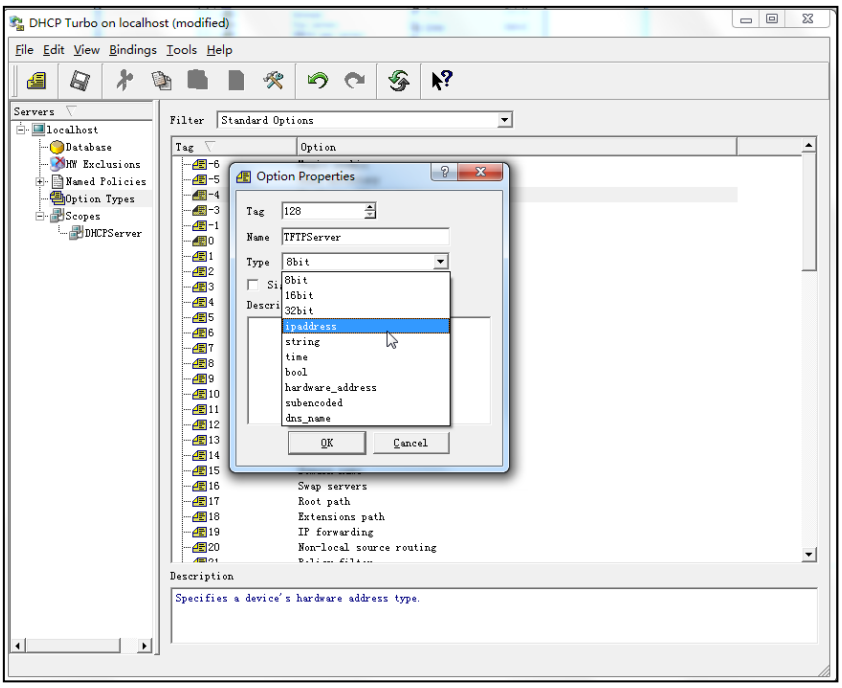
3. Right click the **Scopes** and select **New Scope.** Configure the DHCP server name, the DHCP IP range and the subnet mask.



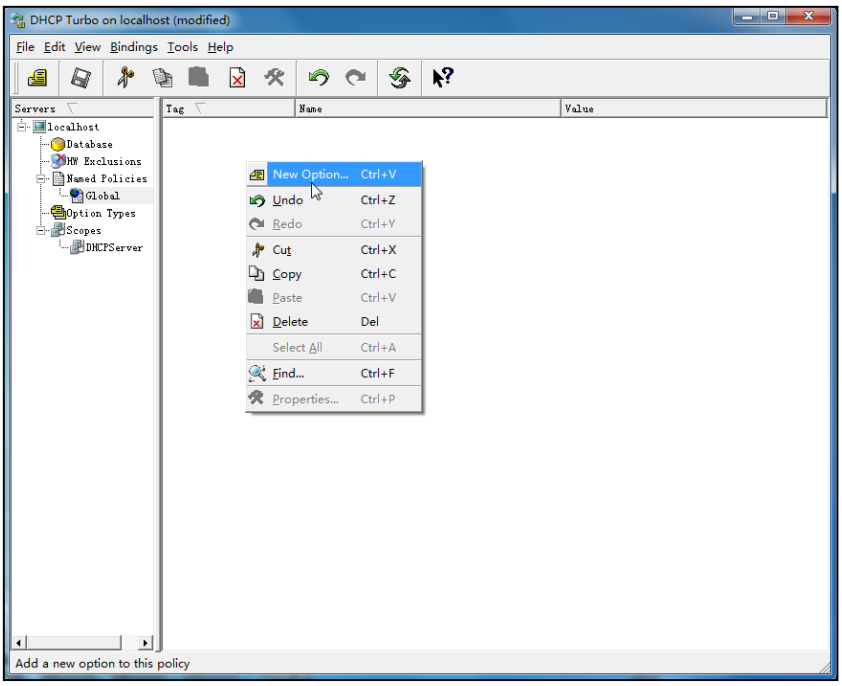
4. You can add a custom option via DHCP Turbo. Click **Option Type,** right click and select the **New Option Type** on the right of the main page.



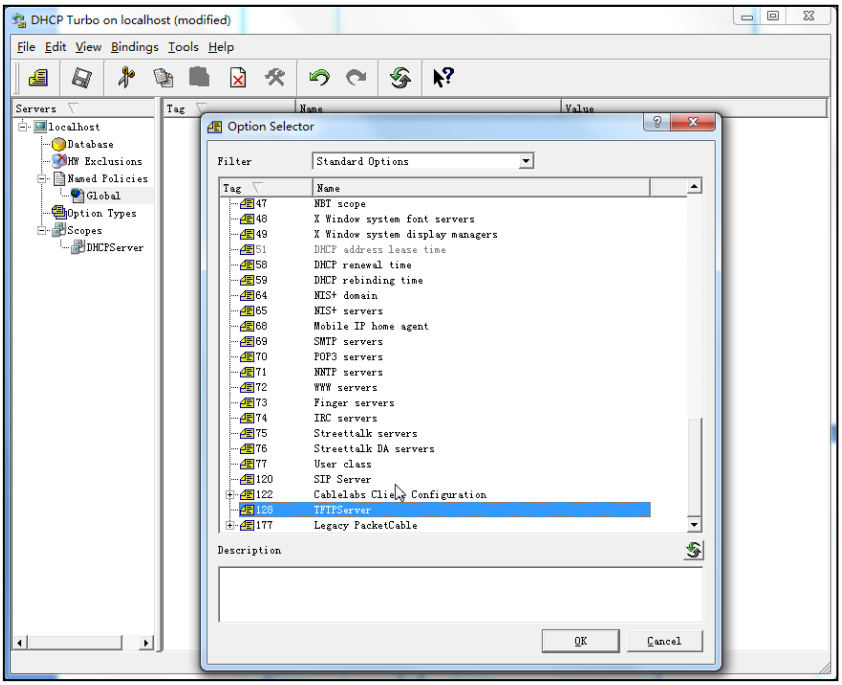
5. Set the custom DHCP option (custom DHCP option tag number is from 128-254) and select the option type (Yealink support the both the **string** and **ipAddress** option type only). Click the **OK** button to finish setting the option properties. Click  to save the change.



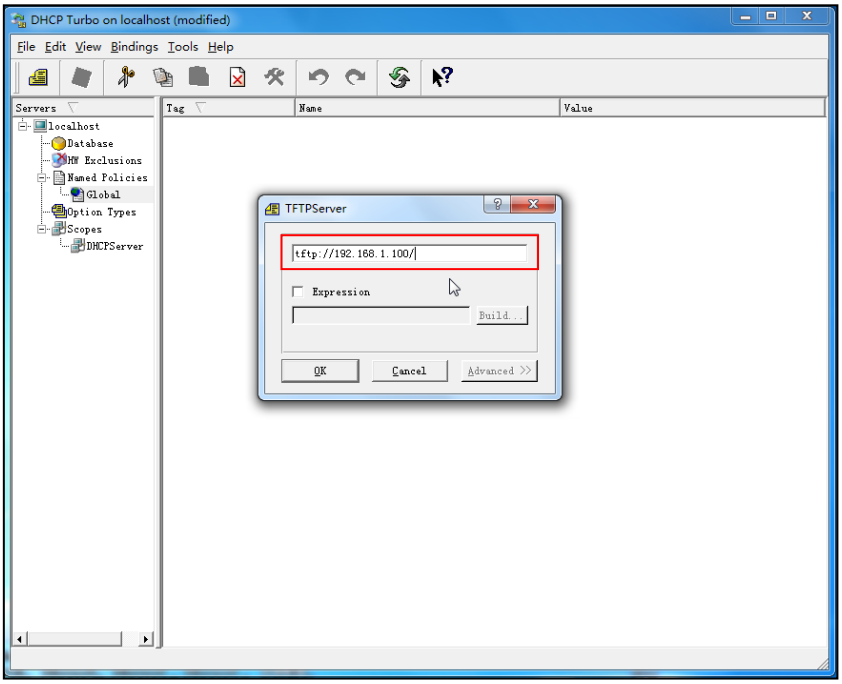
6. Click **Named Policies**-->**Global**, right click and select **New Option** on the left of the main page.



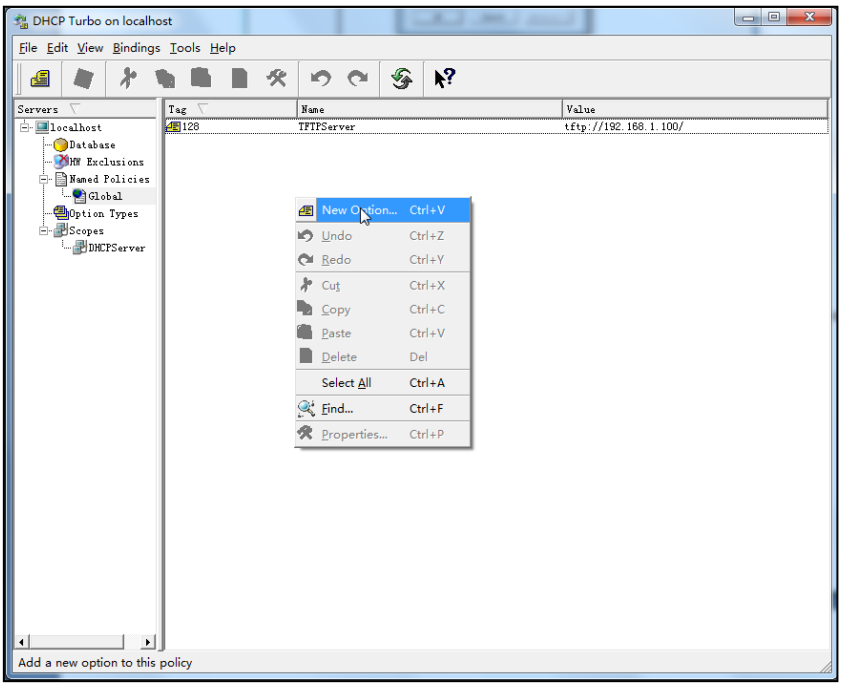
7. Scroll down and double click to add the custom option 128.

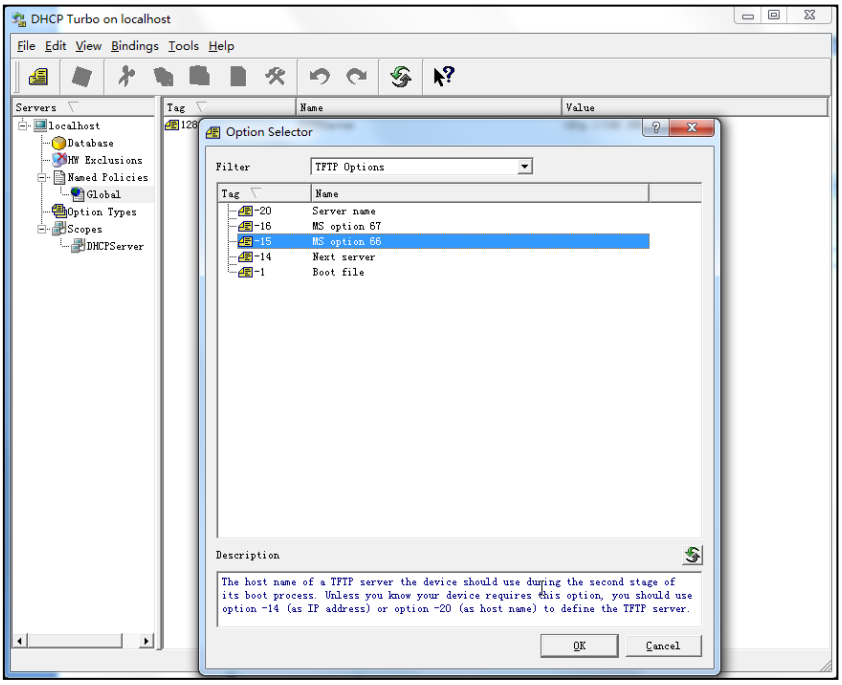


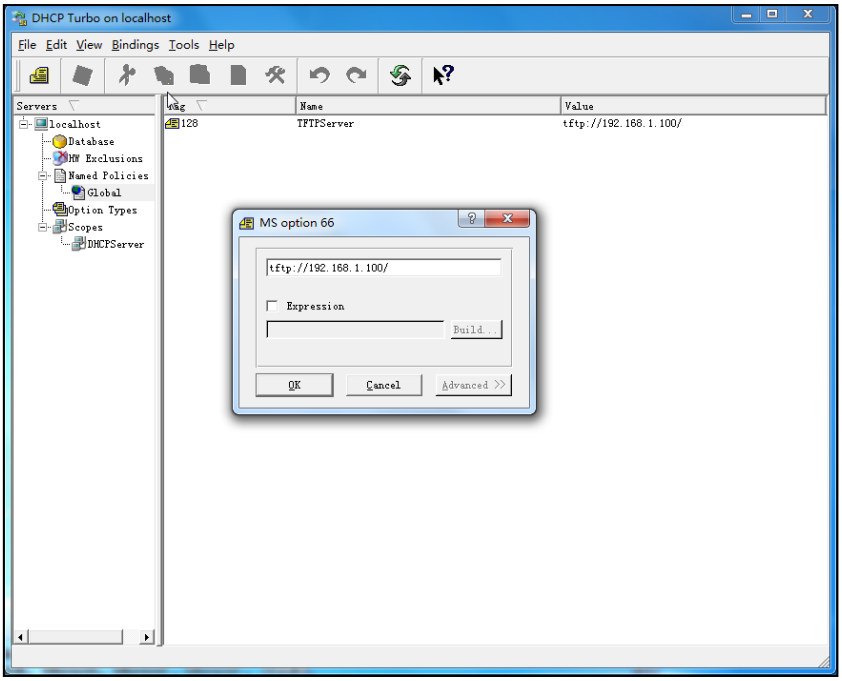
8. Fill the provisioning server address in the input field. Click the **OK** button to finish setting a custom option. And click  at last to save the change.

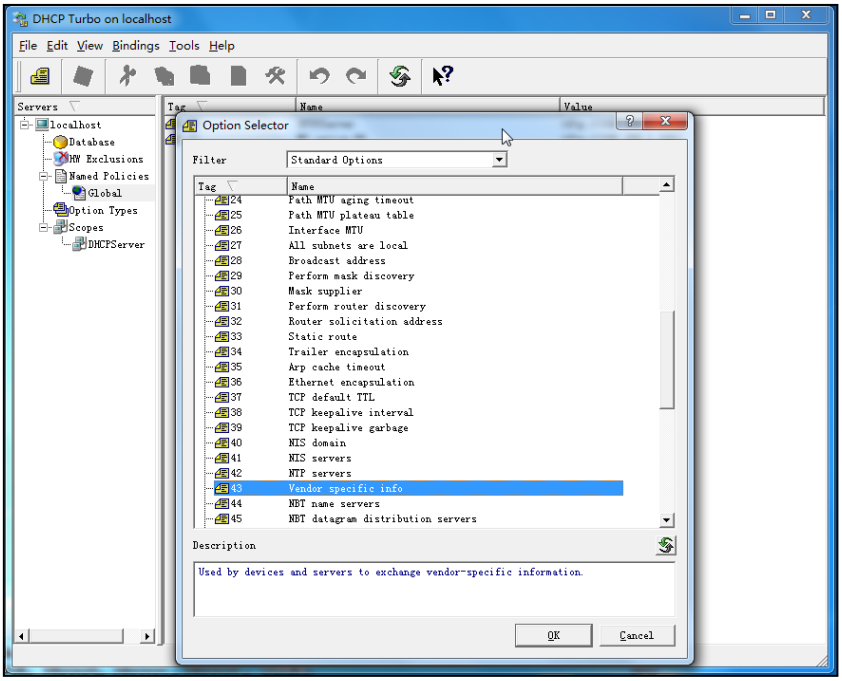


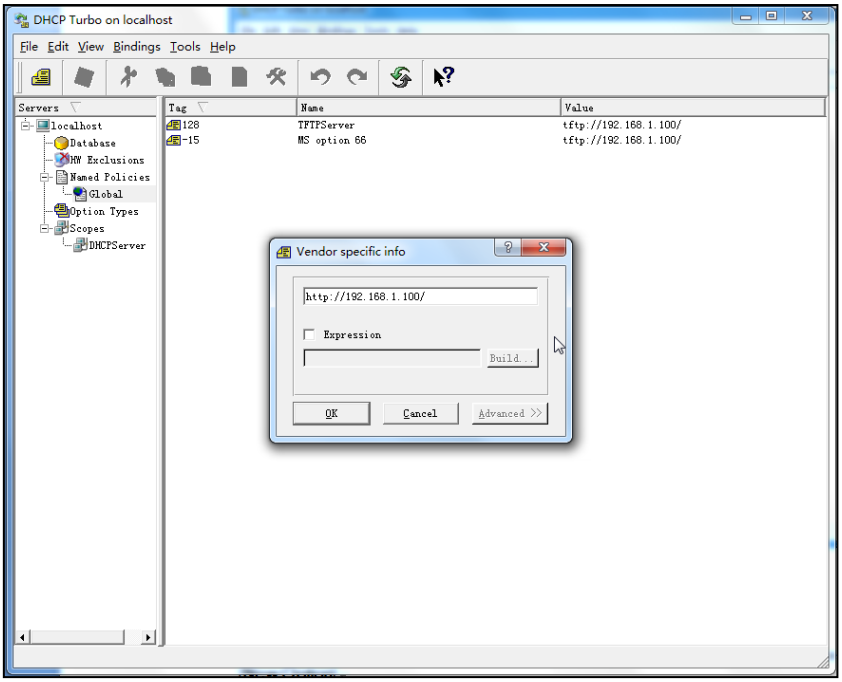
You can add the option 66 via DHCP Turbo.






DHCP Turbo on localhost
File Edit View Bindings Tools Help
Servers
localhost
Database
HW Exclusions
Named Policies
Global
Option Types
Scopes
DHCPServer
Tag
Name
Value
128
TFTPServer
tftp://192.168.1.100/
MS option 66
tftp://192.168.1.100/
Expression
Build...
OK
Cancel
Advanced >>


DHCP Turbo on localhost
File Edit View Bindings Tools Help
Servers
localhost
Database
HW Exclusions
Named Policies
Global
Option Types
Scopes
DHCPServer
Option Selector
Filter
Standard Options
Tag
Name
24 Path MTU aging timeout
25 Path MTU plateau table
26 Interface MTU
27 All subnets are local
28 Broadcast address
29 Perform mask discovery
30 Mask supplier
31 Perform router discovery
32 Router solicitation address
33 Static route
34 Trailer encapsulation
35 Arp cache timeout
36 Ethernet encapsulation
37 TCP default TTL
38 TCP keepalive interval
39 TCP keepalive garbage
40 NIS domain
41 NIS servers
42 NTP servers
43 Vendor specific info
44 NBT name servers
45 NBT datagram distribution servers
Description
Used by devices and servers to exchange vendor-specific information.
OK
Cancel

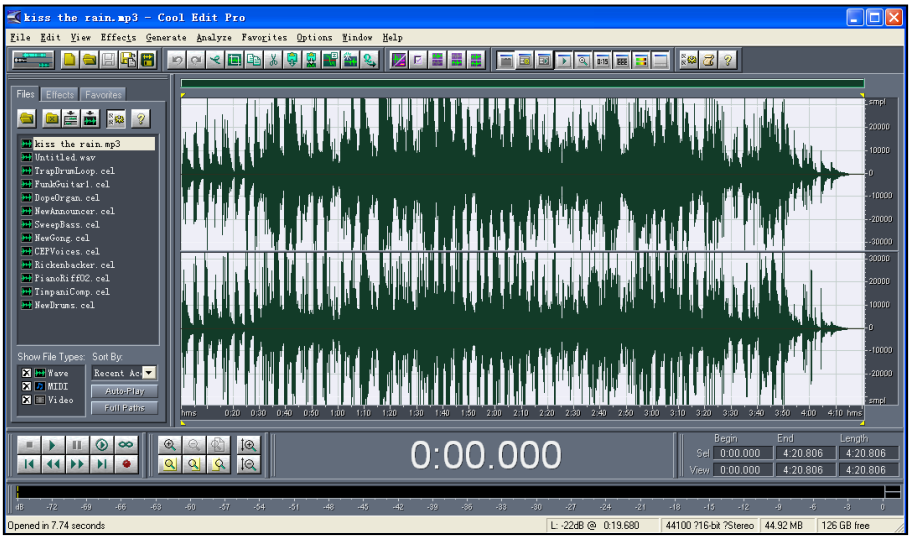

DHCP Turbo on localhost
File Edit View Bindings Tools Help
Servers
localhost
Database
MW Exclusions
Named Policies
Global
Option Types
Scopes
DHCPServer
Tag
Name
Value
128
TFTPServer
tftp://192.168.1.100/
-15
MS option 66
tftp://192.168.1.100/
Vendor specific info
http://192.168.1.100/
Expression
Build...
OK
Cancel
Advanced >>

Customizing a Ringtone Using CoolEdit Pro

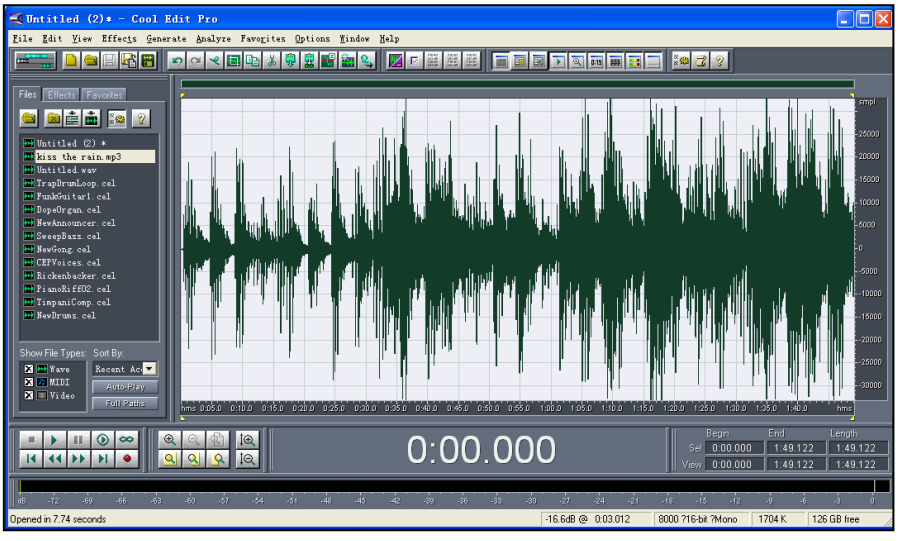
If you have installed Coo Edit application, double click to open it. Otherwise, you can download the installing page from the web site: http://www.toggle.com/lv/group/view/kI36218/Cool_Edit_Pro.htm and install it.

To customize a ringtone using Coo Edit Pro:

1. Open the **Cool Edit Pro** application.
2. Click **File** to open an audio file.
3. Select the ringtone file, click **Open**, the file is being uploaded as follows. A sample audio file loaded is shown as below:



4. Select and copy the audio waveform.
5. Select **File-->New** to create a new file**,** set the audio format as **PCMU**, the channels as **Mono**, the sample rate as **8000** and the resolution as **16-bit**.
6. Plaster the audio waveform to the new file.

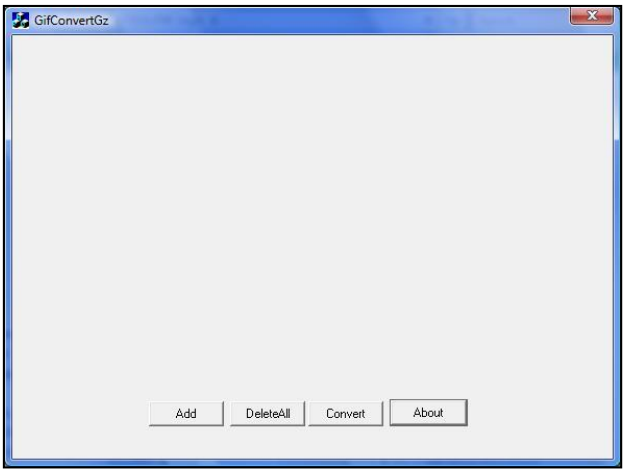


7. Select **File->Save as** to save the new audio file. On the Save waveform page, select the file format as **A/mu-law wave**.

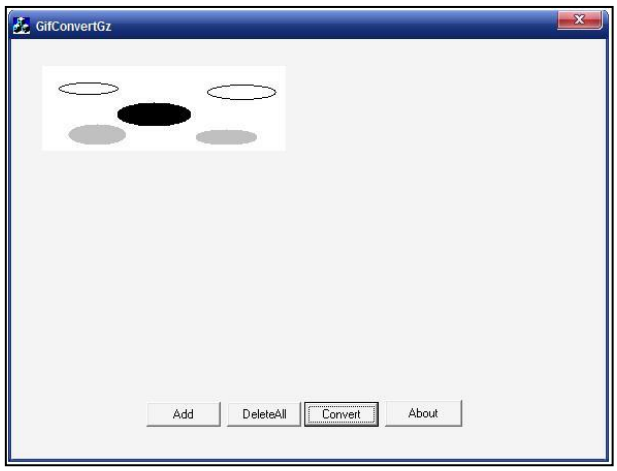
Customizing a Logo File Using PictureExDemo

The original logo picture file format must be .bmp or .gif. We recommend that all files and the PictureExDemo application be placed to the root directory on the PC.

1. Double click PictureExDemo.exe.



2. Click **Add** button to open a .bmp or .gif file.
3. Repeat this step to add multiple original picture files.
4. Click the **Convert** button.



5. Then you can find the **.dob** logo files in the **adv** directory.

Sample Configuration Files

```
############################################################
##                        Common CFG file                 ##
############################################################

#!version: 1.0.0.1
###'#!version:1.0.0.1' is the M7 identifier. This line is Mandatory ###

############################################################
##                        Network Settings                ##
############################################################
#Configure the WAN port type;     0-DHCP(default), 1-PPPoE, 2-Static IP Address
#Require reboot;
network.internet_port.type = 0

#Configure the Static IP address,mask,gateway and DNS server
#Require Reboot;
network.internet_port.ip =
network.internet_port.mask =
network.internet_port.gateway =
network.primary_dns=
network.secondary_dns =

#Speed of WAN port for SIP-T2xP only; 0-auto negotiate(default), 1-full duplex 10Mbps, 2-full
#duplex 100Mbps, 3-half duplex 10Mbps, 4-half duplex 100Mbps
network.internet_port.speed_duplex = 0

#Configure the user and password for PPPOE connection;
#Require reboot;
network.pppoe.user =
network.pppoe.password =

#Configure the PC port type for SIP-T2xP/T3xG only; 0-Router, 1-Bridge (default)
#Require reboot;
network.bridge_mode = 1

#Configure the IP Address and mask when the LAN is Configure as Router;
#for SIP-T2xP/T3xG only;
#Require reboot;
network.pc_port.ip = 10.0.0.1
network.pc_port.mask = 255.255.255.0

#Active/Deactive the DHCP server when the LAN port is Configure as Router;
#for SIP-T2xP/T3xG only;
#Require reboot;
network.pc_port.dhcp_server = 1

#DHCP IP address range from 10.0.0.10 to 10.0.0.100, DHCP IP effective lease time 3600
#seconds(default)for SIP-T2xP/T3xG only
#Require reboot;
network.dchp.start_ip = 10.0.0.10
network.dchp.end_ip = 10.0.0.100

#DHCP IP effective lease time 3600 seconds (default); for VPphone only
network.dhcp.lease_time = 3600
```

#Speed of PC port for SIP-T2xP only; 0-auto negotiate(default), 1-full duplex 10Mbps, 2-full duplex 100Mbps, 3-half duplex 10Mbps, 4-half duplex 100Mbps
network.pc_port.speed_duplex = 0

#VLAN Configuretings for the WAN port; 0 disable(default) 1 enable, VLAN ID 0-4094, #VLAN ID Priority 0-7
#Require reboot;
network.vlan.internet_port_enable = 0
network.vlan.internet_port_vid = 0
network.vlan.internet_port_priority = 0

#VLAN Configuretings of the PC port for SIP T2xP/T3xG only; 0 disable (default), 1 enable
#Require reboot;
network.vlan.pc_port_enable = 0

#VLAN ID 0-4094, VLAN ID Priority 0-7 (for SIP T2xP/T3xG only)
#Require reboot;
network.vlan.pc_port_vid = 0
network.vlan.pc_port_priority = 0

#Configure the Webserver access type; 0-disable, 1-HTTP & HTTPS (default), 2-HTTP Only #3-HTTPS Only (for SIP T2xP/T3xG only)
#Require reboot;

network.web_server_type = 1

#HTTP port 80 by default, HTTPS port 443 by default
#Require reboot;
network.port.http = 80
network.port.https = 443

#Configure the max local rtp port 0-65535, 11800 by default
#Require reboot;
network.port.max_rtpport = 11800

#Configure the min local rtp port 0-65535, 11780 by default
#Require reboot;
network.port.min_rtpport = 11780

#Configure the voice qos 0-63, 40 by default
#Require reboot;
network.qos.rtptos = 40

#Configure the SIP qos 0-63, 26 by default
#Require reboot;
network.qos.signaltos = 26

Configure the 802.1X mode; 0-disable(default), 1-enable(EAP-MD5)
#Require reboot;
network.802_1x.mode = 0

#Configure username and the password for radius authentication
#Require reboot;
network.802_1x.identity =
network.802_1x.md5_password =

#Active/Deactive the VPN feature; 0-disable(default), 1-enable
#Require reboot;

```
network.vpn_enable = 0
#Active/Deactive the LLDP feature;     0-disable(default), 1-enable
#Require reboot;
network.lldp.enable = 0

#The interval time of LLDP request broadcast.
#Require reboot;
network.lldp.packet_interval = 120

#Active/Deactive the span to PC feature for T2xP only;    0-disable(default),    1-enable
#Require reboot;
network.span_to_pc_port = 0

#########################################################
##                    SNMP Settings        (for T2xP only)                         ##
#########################################################
#Active/Deactive the SNMP feature; 0-disable (default), 1-enable
#Require reboot;
network.snmp.enable = 0

#Configure the SNMP port
#Require reboot;
network.snmp.port =
#Configure the ip address of the SNMP server

#Require reboot;
network.snmp.trust_ip =

#########################################################
##                    Syslog Server Settings                                       ##
#########################################################
#Configure the syslog mode for VPphone only;       0-disable, 1-Local, 2-Server
#Require reboot;
syslog.mode = 1
#Configure the IP address of the syslog address
#Require reboot;
syslog.server =
#Configure the syslog detailed level 0-6, level 3 by default
#Require reboot;
syslog.log_level = 3

#########################################################
##                     TR069 Settings                                              ##
#########################################################
#Active/Deactive the TR069 device management
#Require reboot;
managementserver.enable = 0

#Configure the username and password for connecting the ACS server
#Require reboot;
managementserver.username =
managementserver.password =

#Configure the access URL to the ACS server
#Require reboot;
managementserver.url =

#Configure the username and password of a ACS account.
#Require reboot;
managementserver.connection_request_username =
```

```
managementserver.connection_request_password =
#Active/Deactive TR069 report feature
#Require reboot;
managementserver.periodic_inform_enable = 0

#Configure the period the phone report the monitored information
#Require reboot;
managementserver.periodic_inform_interval = 60

##############################################################
##                    Auto Provisioning Settings                    ##
##############################################################
#Configure the auto provisioning mode for SIP-T2xP only; 0-disable(default), 1-Power on,
#2-Repeatedly, 3-Weekly, 4-Power on + Repeated, 5-Power on + Weekly
auto_provision.mode = 1

#Active/Deactive the Plug and Play feature;      0-disable, 1-enable (default)
auto_provision.pnp_enable = 1

#Configure the repeated period when the auto provisioning mode is Repeatly or Power on+
#Repeatly (for SIP-T2xP only)
auto_provision.schedule.periodic_minute = 1

#Configure the week time for auto provisioning when the auto provision is Weekly or Power
#on + Weekly (for SIP-T2xP only)
auto_provision.schedule.time_from = 00:00
auto_provision.schedule.time_to = 00:00
auto_provision.schedule.dayofweek = 0123456

#Configure the auto provisioning mode for SIP-T3xG/VPphone only
auto_provision.power_on_enable = 1

#Active/Deactive the repeated auto provisioning mode for SIP-T3xG/VPphone only
auto_provision.repeat.enable = 0
auto_provision.repeat.minutes = 1440

#Active/Deactive the auto provisioning weekly mode for SIP-T3xG/VPphone only
auto_provision.weekly.enalbe = 0

#Configure the week time for auto provisioning when the auto provision is Weekly or Power
#on + Weekly (for SIP-T3xG/VPphone only)
auto_provision.weekly.mask = 0123456
auto_provision.weekly.begin_time = 00:00
auto_provision.weekly.end_time = 00:00

#Configure the provisioning server address
auto_provision.server.url =

#Configure the username and password for the download authentication
auto_provision.server.username =
auto_provision.server.password =

#Active/Deactive the DHCP option mode (for SIP-T3xG/VPphone only)
auto_provision.dhcp_option.enable = 1

#Configure the value of DHCP option 60 (manufacturer of the device)
auto_provision.dhcp_option.option60_value =

#Config the custom DHCP option tag
auto_provision.dhcp_option.list_user_options =
```

```
#Config AES key for decrypting the Common CFG file (16 digits)
auto_provision.aes_key_16.com =
#Config AES key for decrypting the MAC-Oriented CFG file (16 digits)
auto_provision.aes_key_16.mac =

#autoprovision.X.name =
#autoprovision.X.code =
#autoprovision.X.url =
#autoprovision.X.user =
#autoprovision.X.password =
#autoprovision.X.com_aes =
#autoprovision.X.mac_aes =
# "X" ranges from 1 to 50

autoprovision.1.name =
autoprovision.1.code =
autoprovision.1.url =
autoprovision.1.user =
autoprovision.1.password =
autoprovision.1.com_aes =
autoprovision.1.mac_aes =

autoprovision.2.name =
autoprovision.2.code =
autoprovision.2.url =
autoprovision.2.user =
autoprovision.2.password =
autoprovision.2.com_aes =
autoprovision.2.mac_aes =

#enable/disable the watch dog timer; 0-disable, 1-enable (default)
watch_dog.enable = 1

############################################################
##                      Phone Features                    ##
############################################################
# 1-enable(default), 0-disable        replace “#” into "%23" in username
sip.use_23_as_pound = 1

# 1-enable, 0-disable(default) use RFC2543 Hold
sip.rfc2543_hold = 0

# 1-enable(default), 0-disable use Outbound in dialog
sip.use_out_bound_in_dialog = 1

# 0-60seconds default-0 how long began to register again after poweron
sip.reg_surge_prevention = 0

#Call Transfer Settings
# 1-enable(default) 0-disable Semiattend transfer
transfer.semi_attend_tran_enable = 1

# 1-enable(default), 0-disable Blind transfer
transfer.blind_tran_on_hook_enable = 1

# 1-enable, 0-disable(default) Transfer call to others after confer initiator hand up
transfer.tran_others_after_conf_enable = 0

#0nHook to complete an attend t ransfer,        0-disable, 1-enable(default)
```

```
transfer.on_hook_trans_enable = 1
##############################################################
##                        Voice Settings                    ##
##############################################################
#    form voice.vad to voice.tone.autoanswer (SIP-T2xP/T3xG only)
# 1-enable 0-disable(default) whether to use VAD,use CNG(1 by default),Echo(1 by default)
voice.vad = 0
voice.cng = 1
voice.echo_cancellation = 1

#Ranges from -32768 to -3 Side tone -3 by default
voice.side_tone=   -3

#voice of headset, (29 default)
voice.headset_send = 29

# 0-Fixed 1-Adaptive   type of Jit ter Buffer
voice.jib.adaptive = 1

# Min Delay(default-0) Max Delay(default-300) Normal Delay(120)
voice.jib.min = 0
voice.jib.max = 300
voice.jib.normal = 120

# 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
voice.tone.country = Custom

##voice.tone.ring-voice.tone.autoanswer will be active when the Country is "Custom".
# Format-100/200/300-means a tone of 100Hz with 200ms duration, followed by a 300ms
#pause. 0 stands for silence. Default is blank tone of dial, tone of ring, tone of busy and so
#on
voice.tone.dial =
voice.tone.ring =
voice.tone.busy =
voice.tone.congestion =
voice.tone.callwaiting =
voice.tone.dialrecall =
voice.tone.record=
voice.tone.info =
voice.tone.stutter =
voice.tone.message =
voice.tone.autoanswer =

#voice.handfree.spk_vol-voice.group_spk_vol range 0-15 default-T2x,T3x is #8,VPphone is 5
# receiving volume of Speaker,HandSet,HeadSet.VPphone cannot support tone_vol
voice.handfree.spk_vol = 8
voice.handset.spk_vol = 8
voice.headset.spk_vol = 8

#volume of dial tone on Speaker (T2xP/T3xG)
voice.handfree.tone_vol = 8

# volume of dial tone on Handset(T2xP/T3xG)
voice.handset.tone_vol = 8

# volume of dial tone on Headset(T2xP/T3xG)
voice.headset.tone_vol = 8

# ring volume (T2xP/T3xG/VPphone(VP default-5))
```

```
voice.ring_vol= 8
# T3xG only volume of Group Speaker
voice.group_spk_vol = 8

# Web http/https enable/disable (VPphone only)
#Require reboot;
wui.https_enable = 1
wui.http_enable = 1

##############################################################
##                        Security Settings                 ##
##############################################################
# 1-enable(default) 0-disable   Only Accept Trusted Certificates (T2xP/T3xG/VPphone)
security.trust_certificates = 1

# Set the login username of user and administrator.(SIP-T2xP/T3xG only)
# if your user is like this security.user_name.admin = adminuser
# then your password must like this security.user_password = adminuser-adminpassword
# adminuser-the value of security.user_name.admin.   adminpassword-the password you
#want to set
security.user_name.user =
security.user_name.admin =
security.user_name.var =

#Set the password of the user or the administrator, the value format is: user name:
#password or admin name: password
security.user_password =

# 1-enable 0-disable(default)whether to enable 3-Level Permissions(open var)
#(SIP-T2xP/T3xG only)
#Require reboot;
security.var_enable = 0

##############################################################
##                Custom the softkey (SIP-T2xP/T3xG only)   ##
##############################################################
custom_softkey_call_failed.url =
custom_softkey_call_in.url =
custom_softkey_connecting.url =
custom_softkey_dialing.url =
custom_softkey_ring_back.url =
custom_softkey_talking.url =

##############################################################
##                        DSS Key Settings                  ##
##############################################################
# line ranges 0-max line number. 0-Auto, 1 stands for Line1 and so on
# value- Normally,it is an extension number, but when you configure a key as URL, the value
#must be a url string
# pickup_value Only for BLF. Pickup number that your server allocates
# type 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   27-XMLbrowser 35-URLRecord
#37-Switch 38-LDAP   39-BLF List   40-Prefix   41- Zero-Sp-Touch 42-ACD 45-Local Group
#46-Broadsoft Group
#xml_phonebook- This option is available only when type is 22/45/46. The available XML
Phonebook (0 to 4) or Local Group number/Broadsoft 0-5 default 0
#label on LCD for each account
```

```
# Configure DSS Key1
memorykey.1.line =
memorykey.1.value =
memorykey.1.pickup_value =
memorykey.1.type = 0
memorykey.1.selected_index=
memorykey.1.xml_phonebook =
# label (VPphone only)
memorykey.1.label =

# Configure DSS Key2
memorykey.2.line =
memorykey.2.value =
memorykey.2.pickup_value =
memorykey.2.type = 0
memorykey.2.selected_index=
memorykey.2.xml_phonebook =
# label (VPphone only)
memorykey.2.label =

# Configure DSS Key3
memorykey.3.line =
memorykey.3.value =
memorykey.3.pickup_value =
memorykey.3.type = 0
memorykey.3.selected_index=
memorykey.3.xml_phonebook =
# label (VPphone only)
memorykey.3.label =

# Configure DSS Key4
memorykey.4.line =
memorykey.4.value =
memorykey.4.pickup_value =
memorykey.4.type = 0
memorykey.4.selected_index=
memorykey.4.xml_phonebook =
# label (VPphone only)
memorykey.4.label =

# Configure DSS Key5
memorykey.5.line =
memorykey.5.value =
memorykey.5.pickup_value =
memorykey.5.type = 0
memorykey.5.selected_index=
memorykey.5.xml_phonebook =
# label (VPphone only)
memorykey.5.label =

# Configure DSS Key6
memorykey.6.line =
memorykey.6.value =
memorykey.6.pickup_value =
memorykey.6.type = 0
memorykey.6.selected_index=
memorykey.6.xml_phonebook =
# label (VPphone only)
memorykey.6.label =
```

```
# Configure DSS Key7
memorykey.7.line =
memorykey.7.value =
memorykey.7.pickup_value =
memorykey.7.type = 0
memorykey.7.selected_index=
memorykey.7.xml_phonebook =
# label (VPphone only)
memorykey.7.label =

# Configure DSS Key8
memorykey.8.line =
memorykey.8.value =
memorykey.8.pickup_value =
memorykey.8.type = 0
memorykey.8.selected_index=
memorykey.8.xml_phonebook =
# label (VPphone only)
memorykey.8.label =

# Configure DSS Key9
memorykey.9.line =
memorykey.9.value =
memorykey.9.pickup_value =
memorykey.9.type = 0
memorykey.9.selected_index=
memorykey.9.xml_phonebook =
# label (VPphone only)
memorykey.9.label =

# Configure DSS Key10
memorykey.10.line =
memorykey.10.value =
memorykey.10.pickup_value =
memorykey.10.type = 0
memorykey.10.selected_index=
memorykey.10.xml_phonebook =
# label (VPphone only)
memorykey.10.label =

# Configure DSS Key11   (VPphone only)
memorykey.11.line =
memorykey.11.value =
memorykey.11.pickup_value =
memorykey.11.type = 0
memorykey.11.selected_index=
memorykey.11.xml_phonebook =
memorykey.11.label =

# Configure DSS Key12 (VPphone only)
memorykey.12.line =
memorykey.12.value =
memorykey.12.pickup_value =
memorykey.12.type = 0
memorykey.12.selected_index=
memorykey.12.xml_phonebook =
memorykey.12.label =

# Configure DSS Key13   (VPphone only)
memorykey.13.line =
```

```
memorykey.13.value =
memorykey.13.pickup_value =
memorykey.13.type = 0
memorykey.13.selected_index=
memorykey.13.xml_phonebook =
memorykey.13.label =

# Configure DSS Key14 (VPphone only)
memorykey.14.line =
memorykey.14.value =
memorykey.14.pickup_value =
memorykey.14.type = 0
memorykey.14.selected_index=
memorykey.14.xml_phonebook =
memorykey.14.label =

# Configure DSS Key15 (VPphone only)
memorykey.15.line =
memorykey.15.value =
memorykey.15.pickup_value =
memorykey.15.type = 0
memorykey.15.selected_index=
memorykey.15.xml_phonebook =
memorykey.15.label =

# Configure DSS Key16   (VPphone only)
memorykey.16.line =
memorykey.16.value =
memorykey.16.pickup_value =
memorykey.16.type = 0
memorykey.16.selected_index=
memorykey.16.xml_phonebook =
memorykey.16.label =

# Configure DSS Key17 (VPphone only)
memorykey.17.line =
memorykey.17.value =
memorykey.17.pickup_value =
memorykey.17.type = 0
memorykey.17.selected_index=
memorykey.17.xml_phonebook =
memorykey.17.label =

# Configure DSS Key18 (VPphone only)
memorykey.18.line =
memorykey.18.value =
memorykey.18.pickup_value =
memorykey.18.type = 0
memorykey.18.selected_index=
memorykey.18.xml_phonebook =
memorykey.18.label =

##############################################################
##                        Line Key Settings                 ##
##############################################################
################################
#Configure Linekey1
#linekey.1.line = 0   0-stands for line 1
linekey.1.line = 0
linekey.1.value =
```

```
linekey.1.pickup_value =
linekey.1.type = 15
linekey.1.selected_index=
linekey.1.xml_phonebook =
linekey.1.label =

#Configure Linekey2
#linekey.2.line = 1   1-stands for line 2
linekey.2.line = 1
linekey.2.value =
linekey.2.pickup_value =
linekey.2.type = 15
linekey.2.selected_index=
linekey.2.xml_phonebook =
linekey.2.label =

#Configure Linekey3
#linekey.3.line = 2   2-stands for line 3
linekey.3.line = 2
linekey.3.value =
linekey.3.pickup_value =
linekey.3.type = 15
linekey.3.selected_index=
linekey.3.xml_phonebook =
linekey.3.label =

#Configure Linekey4
#linekey.4.line = 3   3-stands for line 4
linekey.4.line = 3
linekey.4.value =
linekey.4.pickup_value =
linekey.4.type = 15
linekey.4.selected_index=
linekey.4.xml_phonebook =
linekey.4.label =

#Configure Linekey5
#linekey.5.line = 4   4-stands for line 5
linekey.5.line = 4
linekey.5.value =
linekey.5.pickup_value =
linekey.5.type = 15
linekey.5.selected_index=
linekey.5.xml_phonebook =
linekey.5.label =

#Configure Linekey6
#linekey.6.line = 5   5-stands for line 6
linekey.6.line = 5
linekey.6.value =
linekey.6.pickup_value =
linekey.6.type = 15
linekey.6.selected_index=
linekey.6.xml_phonebook =
linekey.6.label =
```

```
##############################################################
##                  Program Key Settings      (SIP-T2xP/T3xG only)          ##
##############################################################
#X ranges from 1 to 15
#programablekey.X.type =
#programablekey.X.line =
#programablekey.X.value =
#programablekey.X.xml_phonebook =
#programablekey.X.history_type =

programablekey.1.type =
programablekey.1.line =
programablekey.1.value =
programablekey.1.xml_phonebook =
programablekey.1.history_type =

# expansion_module.X.key.Y.type default-37(Switch)
expansion_module.X.key.Y.type = 37

##############################################################
##          Expansion Key Settings （39 programmable keys） (SIP-T2xP/T3xG only) ##
##############################################################
#Each expansion module1 key1
expansion_module.1.key.1.line = 0
expansion_module.1.key.1.value =
expansion_module.1.key.1.pickup_value =
expansion_module.1.key.1.label =

#Each expansion module1 key2
expansion_module.1.key.2.line = 0
expansion_module.1.key.2.value =
expansion_module.1.key.2.pickup_value =
expansion_module.1.key.2.label =

#Each expansion module1 key3
expansion_module.1.key.3.line = 0
expansion_module.1.key.3.value =
expansion_module.1.key.3.pickup_value =
expansion_module.1.key.3.label =

#Each expansion module1 key4
expansion_module.1.key.4.line = 0
expansion_module.1.key.4.value =
expansion_module.1.key.4.pickup_value =
expansion_module.1.key.4.label =

#Each expansion module1 key5
expansion_module.1.key.5.line = 0
expansion_module.1.key.5.value =
expansion_module.1.key.5.pickup_value =
expansion_module.1.key.5.label =

#Each expansion module1 key6
expansion_module.1.key.6.line = 0
expansion_module.1.key.6.value =
expansion_module.1.key.6.pickup_value =
expansion_module.1.key.6.label =

#Each expansion module1 key7
expansion_module.1.key.7.line = 0
```

```
expansion_module.1.key.7.value =
expansion_module.1.key.7.pickup_value =
expansion_module.1.key.7.label =

#Each expansion module1 key8
expansion_module.1.key.8.line = 0
expansion_module.1.key.8.value =
expansion_module.1.key.8.pickup_value =
expansion_module.1.key.8.label =

#Each expansion module1 key9
expansion_module.1.key.9.line = 0
expansion_module.1.key.9.value =
expansion_module.1.key.9.pickup_value =
expansion_module.1.key.9.label =

#Each expansion module1 key10
expansion_module.1.key.10.line = 0
expansion_module.1.key.10.value =
expansion_module.1.key.10.pickup_value =
expansion_module.1.key.10.label =

#Each expansion module1 key11
expansion_module.1.key.11.line = 0
expansion_module.1.key.11.value =
expansion_module.1.key.11.pickup_value =
expansion_module.1.key.11.label =

#Each expansion module1 key12
expansion_module.1.key.12.line = 0
expansion_module.1.key.12.value =
expansion_module.1.key.12.pickup_value =
expansion_module.1.key.12.label =

#Each expansion module1 key13
expansion_module.1.key.13.line = 0
expansion_module.1.key.13.value =
expansion_module.1.key.13.pickup_value =
expansion_module.1.key.13.label =

#Each expansion module1 key14
expansion_module.1.key.14.line = 0
expansion_module.1.key.14.value =
expansion_module.1.key.14.pickup_value =
expansion_module.1.key.14.label =

#Each expansion module1 key15
expansion_module.1.key.15.line = 0
expansion_module.1.key.15.value =
expansion_module.1.key.15.pickup_value =
expansion_module.1.key.15.label =

#Each expansion module1 key16
expansion_module.1.key.16.line = 0
expansion_module.1.key.16.value =
expansion_module.1.key.16.pickup_value =
expansion_module.1.key.16.label =

#Each expansion module1 key17
expansion_module.1.key.17.line = 0
```

```
expansion_module.1.key.17.value =
expansion_module.1.key.17.pickup_value =
expansion_module.1.key.17.label =

#Each expansion module1 key18
expansion_module.1.key.18.line = 0
expansion_module.1.key.18.value =
expansion_module.1.key.18.pickup_value =
expansion_module.1.key.18.label =

#Each expansion module1 key19
expansion_module.1.key.19.line = 0
expansion_module.1.key.19.value =
expansion_module.1.key.19.pickup_value =
expansion_module.1.key.19.label =

#Each expansion module1 key20
expansion_module.1.key.20.line = 0
expansion_module.1.key.20.value =
expansion_module.1.key.20.pickup_value =
expansion_module.1.key.20.label =

#Each expansion module1 key21
expansion_module.1.key.21.line = 0
expansion_module.1.key.21.value =
expansion_module.1.key.21.pickup_value =
expansion_module.1.key.21.label =

#Each expansion module1 key22
expansion_module.1.key.22.line = 0
expansion_module.1.key.22.value =
expansion_module.1.key.22.pickup_value =
expansion_module.1.key.22.label =

#Each expansion module1 key23
expansion_module.1.key.23.line = 0
expansion_module.1.key.23.value =
expansion_module.1.key.23.pickup_value =
expansion_module.1.key.23.label =

#Each expansion module1 key24
expansion_module.1.key.24.line = 0
expansion_module.1.key.24.value =
expansion_module.1.key.24.pickup_value =
expansion_module.1.key.24.label =

#Each expansion module1 key25
expansion_module.1.key.25.line = 0
expansion_module.1.key.25.value =
expansion_module.1.key.25.pickup_value =
expansion_module.1.key.25.label =

#Each expansion module1 key26
expansion_module.1.key.26.line = 0
expansion_module.1.key.26.value =
expansion_module.1.key.26.pickup_value =
expansion_module.1.key.26.label =

#Each expansion module1 key27
expansion_module.1.key.27.line = 0
```

```
expansion_module.1.key.27.value =
expansion_module.1.key.27.pickup_value =
expansion_module.1.key.27.label =

#Each expansion module1 key28
expansion_module.1.key.28.line = 0
expansion_module.1.key.28.value =
expansion_module.1.key.28.pickup_value =
expansion_module.1.key.28.label =

#Each expansion module1 key29
expansion_module.1.key.29.line = 0
expansion_module.1.key.29.value =
expansion_module.1.key.29.pickup_value =
expansion_module.1.key.29.label =

#Each expansion module1 key30
expansion_module.1.key.30.line = 0
expansion_module.1.key.30.value =
expansion_module.1.key.30.pickup_value =
expansion_module.1.key.30.label =

#Each expansion module1 key31
expansion_module.1.key.31.line = 0
expansion_module.1.key.31.value =
expansion_module.1.key.31.pickup_value =
expansion_module.1.key.31.label =

#Each expansion module1 key32
expansion_module.1.key.32.line = 0
expansion_module.1.key.32.value =
expansion_module.1.key.32.pickup_value =
expansion_module.1.key.32.label =

#Each expansion module1 key33
expansion_module.1.key.33.line = 0
expansion_module.1.key.33.value =
expansion_module.1.key.33.pickup_value =
expansion_module.1.key.33.label =

#Each expansion module1 key34
expansion_module.1.key.34.line = 0
expansion_module.1.key.34.value =
expansion_module.1.key.34.pickup_value =
expansion_module.1.key.34.label =

#Each expansion module1 key35
expansion_module.1.key.35.line = 0
expansion_module.1.key.35.value =
expansion_module.1.key.35.pickup_value =
expansion_module.1.key.35.label =

#Each expansion module1 key36
expansion_module.1.key.36.line = 0
expansion_module.1.key.36.value =
expansion_module.1.key.36.pickup_value =
expansion_module.1.key.36.label =

#Each expansion module1 key37
expansion_module.1.key.37.line = 0
```

```
expansion_module.1.key.37.value =
expansion_module.1.key.37.pickup_value =
expansion_module.1.key.37.label =

#Each expansion module1 key38
expansion_module.1.key.38.line = 0
expansion_module.1.key.38.value =
expansion_module.1.key.38.pickup_value =
expansion_module.1.key.38.label =

#Each expansion module1 key39
expansion_module.1.key.39.line = 0
expansion_module.1.key.39.value =
expansion_module.1.key.39.pickup_value =
expansion_module.1.key.39.label =

##############################################################
##              Automatic Call Distribute Feature Settings(SIP-T2xP/T3xG only)              ##
##############################################################
# ERGOCOM ACD Auto Available
acd.auto_available = 0

# interval time for ERGOCOM ACD range 0-120 default-60 Seconds
acd.auto_available_timer = 60

##############################################################
#                                    Action_URL                                    ##
 ##############################################################
#action_url.log_on-means when the phone is log on.send message to url
#action_url.incoming_call-means when the phone is incoming state,send message to url
# others'meaning is like that.
action_url.setup_completed =
action_url.log_on =
action_url.log_off =
action_url.register_failed =
action_url.off_hook =
action_url.on_hook =
action_url.incoming_call =
action_url.outgoing_call =
action_url.call_established =
action_url.dnd_on =
action_url.dnd_off =
action_url.always_fwd_on =
action_url.always_fwd_off =
action_url.busy_fwd_on =
action_url.busy_fwd_off =
action_url.no_answer_fwd_on =
action_url.no_answer_fwd_off =
action_url.transfer_call =
action_url.blind_transfer_call =
action_url.attended_transfer_call =
action_url.hold =
action_url.unhold =
action_url.mute =
action_url.unmute =
action_url.missed_call =
action_url.call_terminated =
action_url.busy_to_idle =
action_url.idle_to_busy =
```

```
# ip_change(SIP-T2xP/VPphone only)
action_url.ip_change =
# forward_incoming_call, reject_incoming_call,answer_new_incoming_call,
# transfer_finished,transfer_failed (SIP-T3xG/VPphone only)
action_url.forward_incoming_call =
action_url.reject_incoming_call =
action_url.answer_new_incoming_call =
action_url.transfer_finished =
action_url.transfer_failed =
# reject_new_incoming_call, cancel_callout,remote_busy,call_remote_canceled
#(VPphone only)
action_url.reject_new_incoming_call=
action_url.cancel_callout =
action_url.remote_busy =
action_url.call_remote_canceled =

##############################################################
##                        Lang Settings                     ##
##############################################################
# Language used on the WEBpage
lang.wui =

# Language used on the LCD screen
lang.gui = English

##############################################################
##                        Time Settings                     ##
##############################################################
# zone range from -11 to +12 default is +8 zone name is China(Beijing)
local_time.time_zone = +8
local_time.time_zone_name = China(Beijing)

# Primary NTP Server. default-cn.pool.ntp.org.can configurate to domain of IP Address
local_time.ntp_server1 = cn.pool.ntp.org
local_time.ntp_server2 = cn.pool.ntp.org

# Update Interval when using NTP Server. the default value is 1000
local_time.interval = 1000

# Daylight Saving Time. 0-disable   1-enable   2-Automatic
local_time.summer_time = 2

# DST type When DST was set to be enabled as Manually configuration. 0-Date 1-Week
local_time.dst_time_type = 0

#StartTime of Daylight Saving Time. If Daylight Saving time is By Date, value rule is
#Month/Day/Hour, if By Week its value rule is Start Month/ Start Day of Week/ Start Day of
#Week Last in Month/ Start Hour of Day. For a value of 1/4/2/5 in this case, it means the start
#time is at 5 o'clock on Tuesday of the 4th week in January
local_time.start_time = 1/1/0

#EndTime of Daylight Saving Time.the default is 12/31/23
local_time.end_time = 12/31/23

# Integer,-300to300
local_time.offset_time = 60

#time_format-   0-12 Hour format   1-24 Hour format
local_time.time_format = 1
```

```
#range 0-6 0: WWW MMM DD. 1: DD-MMM-YY 2: YYYY-MM-DD 3: DD/MM/YYYY 4：
MM/DD/YY 5: DD MMM YYYY 6: WWW DD MMM
local_time.date_format = 0

#DHCP Time enable / disable (default)
local_time.dhcp_time = 0

############################################################
##                  Hot Desking (SIP-T2xP Only)           ##
############################################################
#fill in RegisterName item on power-on register guide; 1-enable (default)   0-disable
hotdesking.startup_register_name = 1

#fill in UserName item on power-on register guide
hotdesking.startup_username = 1
hotdesking.startup_password = 1
hotdesking.startup_sip_server = 1

#fill in OutBound item on power-on register guide
hotdesking.startup_outbound = 1

#erase and fill in RegisterName item when pressing HotDesking DSS key
hotdesking.dsskey.register_name = 1
hotdesking.dsskey.username = 1
hotdesking.dsskey.password = 1
hotdesking.dsskey.sip_server = 1
hotdesking.dsskey.outbound = 1

############################################################
##              Distinctive_ring_tones (SIP-T2xP/T3xG only)##
############################################################
#"X" ranges from 0-9
# Internal Ringer Text
#distinctive_ring_tones.alert_info.X.text =
distinctive_ring_tones.alert_info.0.text =

#ringer for the first Internal Ringer Text. The ringer is defined by its order number. default is 1
#distinctive_ring_tones.alert_info.X.ringer = 1
distinctive_ring_tones.alert_info.0.ringer = 1

############################################################
##                      Auto Redial                       ##
############################################################
auto_redial.enable = 0
# interval-Integer,1-300 default-10 second
auto_redial.interval = 10

# Auto redial times.default-10
auto_redial.times = 10

############################################################
##                      Zero Touch                        ##
############################################################
zero_touch.enable = 0
zero_touch.wait_time =5

############################################################
##                      Push XML                          ##
############################################################
push_xml.server =
```

```
#(SIP-T2xP/T3xG only)
push_xml.block_in_calling= 0

push_xml.sip_notify= 0

##############################################################
##                        Creating Dialplan                 ##
##############################################################
# Code of Area Code
dialplan.area_code.code =
dialplan.area_code.min_len =1
dialplan.area_code.max_len =15

# When you need to enable multi-line, you can use “,”, like 1, 2, 3
dialplan.area_code.line_id =

#Dialplan block out number "X" ranges from 1 to 10
#dialplan.block_out.number.X =
dialplan.block_out.number.1 =
#Dialplan block out line id ranges from 1-6, multiple lines' id should be separated by ","
#dialplan.block_out.line_id.X =
dialplan.block_out.line_id.1 =

#DialNow rule   T3xG/VPphone only; "X" ranges from 1 to 10
#dialplan.dialnow.rule.X =
#dialplan.dialnow.line_id.X =
dialplan.dialnow.rule.1 =
dialplan.dialnow.line_id.1 =

# Replace rule        T3xG/VPphone only
#dialplan.replace.prefix.X =
#dialplan.replace.replace.X =
#dialplan.replace.line_id.X =
dialplan.replace.prefix.1 =
dialplan.replace.replace.1 =
dialplan.replace.line_id.1 =

# SIP-T2xP only      dialplan.item.X format-X,Prefix,Replaced;"X" ranges from 1 to 10
#dialnow.item.X =
#dialplan.item.X =
dialnow.item.1 =
dialplan.item.1 =

#Configuration of BW phonebook X ("x" ranges from 1-6)
#bw_phonebook.display_name =
#bw_phonebook.data.X.server =
#bw_phonebook.data.X.port =
#bw_phonebook.data.X.username =
#bw_phonebook.data.X.password =
#bw_phonebook.data.X.name =
#Configuration of BW phonebook items
bw_phonebook.display_name =
bw_phonebook.data.1.server =
bw_phonebook.data.1.port =
bw_phonebook.data.1.username =
bw_phonebook.data.1.password =
bw_phonebook.data.1.name =

#Set the interval for the phone to update phonebook;(for VPphone only)
directory.update_time_interval =
```

```
directory.incoming_call_match_enable =

##############################################################
##                      Call Log Settings                   ##
##############################################################
#Configuration of the BW Call Log X (for T2xP/T3xG, "x" ranges from 1-3; for VPphone "x"
#ranges from 1-6)
#bw_call_log.display_name =
#bw_call_log.data.X.server =
#bw_call_log.data.X.port =
#bw_call_log.data.X.username =
#bw_call_log.data.X.password =
#bw_call_log.data.X.name =
#Configuration of the BW Call Log items
bw_call_log.display_name =
bw_call_log.data.1.server =
bw_call_log.data.1.port =
bw_call_log.data.1.username =
bw_call_log.data.1.password =
bw_call_log.data.1.name =

#1-enable 0-disable(default).enable, in idle status, press History soft key will enter Call log
directly,
# and press Directory softkey will enter Broadsoft PhoneBook (SIP-T2xP/T3xG only)
bw.calllog_and_dir = 0

#1-enable(default) 0-disable (SIP-T2xP/T3xG only)
bw.behave_calllog = 1
#display settings page of Broadsoft Phonebook in Directory on the LCD screen
(SIP-T2xP/T3xG only)
bw.behave_bw_dir = 1

#Whether to enable Broadsoft DND&FWD synchronization or not.
#1-enable 0-disable (default).
bw.feature_key_sync = 0

##############################################################
##                  Remote_phonebook("X" ranges from 1-5)   ##
##############################################################
#remote_phonebook.display_name=
#remote_phonebook.data.X.url =
#remote_phonebook.data.X.name =
remote_phonebook.display_name=
remote_phonebook.data.1.url =
remote_phonebook.data.1.name =

##############################################################
##                      LDAP Settings                       ##
##############################################################
#enable/disable LDAP feature, customize ldap label        (VPphone only)
ldap.enable = 0
ldap.customize_label =

#Configure LDAP name and number filters
ldap.name_filter =
ldap.number_filter =

ldap.host = 0.0.0.0
ldap.port = 389
```

```
ldap.base =
ldap.user =
ldap.password =

#max_hits range Integer,1-32000, default is 50
ldap.max_hits = 50

ldap.name_attr =
ldap.numb_attr =
ldap.display_name =

#version 2 or 3, default is 3
ldap.version = 3

#Integer,0-2000.default is 0(T2xp/T3xG only)
ldap.search_delay = 0

#enable/disable LDAP search when receiving an incoming call
ldap.call_in_lookup = 0
ldap.ldap_sort = 0

#T2xp/T3xG only
ldap.dial_lookup = 0

##############################################################
##                        Phone Features                    ##
##############################################################
#Return code when DND. 404-No Found. 480-Temporarily not available (default).
#486-Busy here
features.dnd_refuse_code = 480

#Return code when refuse; 404,480,486
features.normal_refuse_code = 486

features.call_completion_enable = 0

#whether to have the authority to use DND feature. Default is 0
features.dnd.allow = 0
features.fwd.allow = 0

features.dnd.on_code =
features.dnd.off_code =

#enable/disable call waiting feature; 0-disable, 1-enable (default)
call_waiting.enable = 1
call_waiting.tone = 1

#enable/disable intercom; 0-disable, 1-enable (default)
features.intercom.allow    = 1
#Mute the speaker when auto answer an intercom call; 0-disable (default), 1-enable
features.intercom.mute    = 0

#enable/disable playing intercom warning tone;        0-disable, 1-enable (default)
features.intercom.tone    = 1
#enable/disable intercom call barge in;        0-disable (default), 1-enable
features.intercom.barge    = 0

#enable/disable auto answer an intercom call when there is already an SIP call on the
#phone;        0-disable, 1-enable (default) (SIP-T2xP only)
features.intercom.aasec_intercom = 1
```

```
#Hotline settings
features.hotline_number =
features.hotline_delay = 4

# Display "*" on the LCD screen instead of the DTMF digit for SIP-T2xP only
features.dtmf.hide = 0
features.dtmf.hide_delay = 0

#repetition times of DTMF end packet for SIP-T2xP/T3xG only;   1 2 3(default)
features.dtmf.repetition = 3

#Complete transfer by DTMF when the phone is in conversation; digits 1-9, characters "*","#"
#(for SIP-T2xP only)
features.dtmf.transfer =
features.dtmf.replace_tran = 0
features.headset_prior = 1
features.headset_training = 0
features.remote_phonebook.enable=0
features.remote_phonebook.flash_time = 3600

#Configure the time for playing busy tone when a call is hanged up by the other party;
#0(default), 3, 5 (in seconds)
features.busy_tone_delay = 0
#for SIP-T2xP only
features.send_pound_key = 0

#Define "#" or "*" as the send key;       0-disable, 1-# key (default), 2-* key
features.pound_key.mode = 1

#enable/Disble playing keytone;       0-disable, 1-enable (default)
features.send_key_tone = 1
features.key_tone = 1

#enable/disable playing a warning tone in 30 seconds when there is a conversation placed
#on hold (for SIP-T2xP only)
features.play_hold_tone.enable = 1
features.play_hold_tone.delay = 30

features.redial_tone =

#for SIP-T2xP only
features.partition_tone = 0

#enable/disable the security on dialing LCD screen; 0-disable(default), 1-enable
#(for SIP-T2xP only)
#features.password_dial.enable = 1
#features.password_dial.prefix =237
#features.password_dial.length =3
#For example, refer to the configurations above, when dialing 23766598 on the phone, the
#LCD screen will display 237***98
features.password_dial.enable = 0
features.password_dial.prefix =
features.password_dial.length =

#0-disable 1-enable(default)(SIP-T2xP only)
features.history_save_display = 1

#enable/disable save Call history; 0-disable, 1-enable (default)
features.save_call_history = 1
```

```
# power_led_on (SIP-T2xP only)
features.power_led_on = 0

# server that the phone receives the URI message from
features.action_uri_limit_ip =

#Configure the time (in seconds) before auto answer an incoming call for SIP-T2xP only;
#1(default), 2, 3, 4
features.auto_answer_delay = 1

#Assign the transfer type for DSSkey for SIP-T2xP only; 0-attended transfer, 1-blind
#transfer(default)
features.dsskey_blind_tran = 1

features.relog_offtime = 5
features.direct_ip_call_enable = 1

#Configure the ring type when receiving an emergency (for SIP-T2xP only)
features.emergency_ring =Emergency.wav

#(for SIP-T2xP only)
features.allow_mute = 1

#0-use Speaker(default) 1-use Headset
features.ringer_device.is_use_headset = 0

#enable/disable customing factory configuration;    0-disable(default), 1-enable
#Require reboot;
features.custom_factory_config.enable = 0

# For VPphone only
features.fullscreen_local_visible = 1

##############################################################
##                          Phone setting                   ##
##############################################################
# Inter Digit Time.range 1-14second; default 4
phone_setting.inter_digit_time = 4

# Flash Hook Time.range 0-799 millisecond; default 1 millisecond (SIP-T2xP/SIP-T3xG only)
phone_setting.flash_hook_timer = 1

#0-disable(default), 1-Menu Key, 2-Function Key, 3-All Keys, 4-Lock&Answer (SIP-T2xP/T3xG
#only)
phone_setting.lock = 0

# common, Ring1.wav, Ring2.wav……Ring8.wav
phone_setting.ring_type =

# LCD Contrast (SIP-T2xP only);    range 1-10,default 6
phone_setting.contrast = 6

#0-disable (default), 1-enable, 2-Custom logo (SIP-T2xP only)
phone_setting.lcd_logo.enable = 0

#Integer,1-10 Backlight Brightness
phone_setting.active_backlight_level =

#Integer, 1-10 unused backlight brightness.default 1 (SIP-T3xG/VPphone only)
phone_setting.inactive_backlight_level = 1
```

```
# Backlight Time 0-Always off, 1-Always on, 15,30,60,120(Seconds);    default T2X-30/T3X-60
#VPphone-60
phone_setting.backlight_time =

# BackGround Image,less than 5M bytes and less than 5M pixels (SIP-T3xG/VPphone only)
phone_setting.backgrounds =

# 1,60(default),120,300,600,1800s screen saverTime (SIP-T3xG only)
phone_setting.screen_saver_time = 60

# ring tone that has been used while Transfer failed(SIP-T3xG/SIP-T2xP only)
phone_setting.ring_for_tranfailed =Ring1.wav

# whether to logon wizard while power on.default is 0 disable (SIP-T3xG/SIP-T2xP only)
phone_setting.logon_wizard = 0

# whether to auto dial out feature in Pre-Dial interface. Default is 0
phone_setting.predial_autodial = 0

# whether to deal with 180 messages after the 183 message    0-disable, 1-enable(default)
phone_setting.is_deal180 = 1

# delay time of dial now 4 seconds by default
phone_setting.dialnow_delay = 4

#enable/disable customizing soft key layout for SIP-T2xP/T3xG only; 0-disable (default),
#1-enable
phone_setting.is_define_key = 0

# Configure theme for SIP-T3xG only    0-Theme 1(default), 1-Theme 2, 2-Theme 3, 3-Theme 4
phone_setting.theme = 0

#Configure mergency numbers for SIP-T2xP/T3xG only separated by commas, for example,
#"911,110,999"
phone_setting.emergency.number =

#(VPphone only)
phone_setting.shortcuts_enable = 1
super_search.recent_call =
super_search.dial_pad =

##############################################################
##                    Configure a server URL for firmware update                    ##
##############################################################
firmware.url =

##############################################################
##                    Configure a server URL for Customizing a ringtones          ##
##############################################################
ringtone.url =
#delete all custom ringtones from localhost
#ringtone.delete =http://localhost/all
ringtone.delete =

##############################################################
## Configure a server URL for Customizing the LCD language    (SIP-T2xP/SIP-T3xG only) ##
##############################################################
gui_lang.url =
#delete all custom languages from localhost
```

```
#gui_lang.delete =http://localhost/all
gui_lang.delete =

##############################################################
##            Configure a server URL for Customizing logo update (SIP-T2xP only)          ##
##############################################################
lcd_logo.url =
#delete all custom logo files from localhost
#lcd_logo.delete =http://localhost/all
lcd_logo.delete =

##############################################################
##                          SSL keys update                                    ##
##############################################################
trusted_certificates.url =
#delete all trusted certificate files uploaded through auto provision
#trusted_certificates.delete =http://localhost/all
trusted_certificates.delete =
server_certificates.url =
#delete all server certificate file uploaded through auto provision
#server_certificates.delete =http://localhost/all
server_certificates.delete =

##############################################################
##  Configure a server URL for local contact/dst time/dialnow rule and replace rule    ##
##############################################################
local_contact.data.url =
auto_dst.url =
dialplan_dialnow.url =
dialplan_replace_rule.url =

##############################################################
##     Configure a server URL for customizing factory configurations                ##
##############################################################
custom_factory_configuration.url =

##############################################################
##        Configure a server URL for camera data/doorphone data(VPphone only)      ##
##############################################################
#Configure server address for camera data
ip_camera_data.url =
#Configure server address for camera data
doorphone_data.url =
#Configure server address for image of local contact
local_contact_image.url =
#Configure server address for wallpaper download
wallpaper_upload.url =

##############################################################
##              Configure a server address for calllist download                  ##
##############################################################
#Require reboot
call_list.url =

##############################################################
##              Configure a server address for OpenVPN tar download              ##
##############################################################
openvpn.url =
```

```
##############################################################
##                    MAC-ORIENTED CFG FILE                 ##
##############################################################

#!version: 1.0.0.1
###'#!version:1.0.0.1' is the M7 identifier. This line is Mandatory ###

##############################################################
##                      Account1 Settings                   ##
##############################################################
#Acitve/Deactive account1;   0-Disabled(Default), 1-Enabled
account.1.enable = 0

#Configure the account1 label which will display on the LCD screen.
account.1.label =

#Configure the display name of account1
account.1.display_name =

#Configure the user and password for register authentication
account.1.auth_name =
account.1.password =

#Configure the register user name
account.1.user_name =
#Configure the SIP server address and port(5060 by default)
account.1.sip_server_host =
account.1.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
#proxy server and the server port (5060 by default)
account.1.outbound_proxy_enable = 0
account.1.outbound_host =
account.1.outbound_port = 5060

#For VPphone only
account.1.sip_server_host_readonly = 0

#Configure the transport type;   0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.1.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.1.backup_outbound_host =
account.1.backup_outbound_port = 5060

#Configure the voice mail number of account1.
account.1.voice_mail_number =
voice_mail.number.1 =

#Active/Deactive proxy require
account.1.proxy_require =

#Enable/Disable the anonymous call feature for account1;   0-Disabled(Default), 1-Enabled
account.1.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.1.anonymous_call_oncode =
account.1.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account1; 0-Disabled(Default),
```

```
#1-Enabled
account.1.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.1.anonymous_reject_oncode =
account.1.anonymous_reject_offcode =

#Configure the SIP port for local account1
account.1.sip_listen_port = 5060

#Configure the register expire time
account.1.expires = 3600

#Enable/Disable 100 reliable retransmission;     0-Disabled(Default), 1-Enabled
account.1.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.1.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.1.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.1.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.1.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID;        0-FROM(Default), 1-PAI 2-PAI-FROM,
#3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.1.cid_source = 0
account.1.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM (Default),
#1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM
account.1.cid_source = 0
account.1.cp_source = 0

#Enable/Disable session timer; 0-Disabled (Default), 1-Enabled
account.1.session_timer.enable = 0

#Configure session timer expire
account.1.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac (Default), 1-Uas
account.1.session_timer.refresher = 0

#Enable/Disable "user=phone";   0-Disabled(Default), 1-Enabled
account.1.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled (Default), 1-Enabled
account.1.srtp_encryption = 0

#Configure the RTP packet time; 0 (Disabled), 10, 20(Default), 30, 40, 50, 60
account.1.ptime = 20

#Assign account1 as shared line; 0-Disabled/Private (Default), 1-BSFT shared line, 2-Draft
#bridge line_appearance
account.1.shared_line = 0

#Configure BLA number and the subscribe period when account1 is a BLA line
```

```
account.1.bla_number =
account.1.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header;   0-Disabled(Default), 1-Enabled
account.1.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled
#(Default), 1-Enabled
account.1.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled (Default)
account.1.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.1.subscribe_mwi_to_vm = 0

#Enable/Disable sending MAC address and line number in the Register message;
#0-Disabled (Default), 1-Enabled
account.1.register_mac = 0
account.1.register_line = 0

#Configure interval time for retrying register when account1 register failed 30 seconds by
#default
account.1.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local (Default), 1-ATS, 2-Network Conference
account.1.conf_type = 0

#Configure the factory conference uri (a SIP URI, or user part of the SIP URI), for example,
#"conference@domain.com" or "conference"
account.1.conf_uri =

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example,
#"2300_blflist@domain.com" or "2300_blflist"
account.1.blf.blf_list_uri =

#Configure the code for pickup when the monitored user receives an incoming call
account.1.blf_list_code =

#Configure the code for barge in when the monitored user is in conversation
account.1.blf_list_barge_in_code =

#Configure the blf subscribe period 1800 seconds by default
account.1.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default
account.1.subscribe_acd_expires= 3600

#Assign the sip platform; 0-Local SIP Server (Default), 1-Cosmocom, 2-Broadsoft
account.1.sip_server_type = 0

account.1.neg_h264_method = 0
account.1.idle_screen_enable = 0
account.1.idle_screen_url =

#Enable/Disable the SIP signal encode, configure the key for encoding
account.1.enable_signal_encode = 0
account.1.signal_encode_key =

#Enable/Disable early media
```

```
account.1.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only
account.1.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (Default), 2-SIP INFO
account.1.dtmf.type = 1
#Configure the RFC2833 payload
account.1.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO
account.1.dtmf.info_type = 0

##############################################################
##                        NAT Settings                      ##
##############################################################
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.1.nat.nat_traversal = 0

#Configure the STUN server address and port
account.1.nat.stun_server =
account.1.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.1.nat.udp_update_enable = 1
account.1.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled(Default), 1-Enabled
account.1.nat.rport = 0

#Define session timer T1 T2 T4
account.1.advanced.timer_t1 = 0.5
account.1.advanced.timer_t2 = 4
account.1.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only
account.1.advanced.audio_bandwidth = 0
account.1.advanced.video_frame_rate = 30
account.1.advanced.video_i_frame_refresh_time = 30
account.1.advanced.video_bandwidth = 0
account.1.advanced.total_bandwidth = 0

#Assign a ringtone special for account1
account.1.ringtone.ring_type =

#Audio codecs for account1 (Y ranges from 1 to 7)
#account.1.codec.Y.enable = 1
#account.1.codec.Y.payload_type = PCMU
#account.1.codec.Y.priority = 1
#account.1.codec.Y.rtpmap = 0

account.1.codec.1.enable = 1
account.1.codec.1.payload_type = PCMU
account.1.codec.1.priority = 1
account.1.codec.1.rtpmap = 0

#Video codecs for account1 (X ranges from 1 to 3)
#account.1.video_codec.X.enable = 1
#account.1.video_codec.X.priority = 1
#account.1.video_codec.X.payload_type = H264
```

```
#account.1.video_codec.X.rtpmap = 99
#account.1.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
#max-mbps=11880

account.1.video_codec.1.enable = 1
account.1.video_codec.1.priority = 1
account.1.video_codec.1.payload_type = H264
account.1.video_codec.1.rtpmap = 99
account.1.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

##############################################################
##                      Account2 Settings                   ##
##############################################################
#Acitve/Deactive account2; 0-Disabled (Default), 1-Enabled
account.2.enable = 0

#Configure the account2 label which will display on the LCD screen.
account.2.label =

#Configure the display name of account2
account.2.display_name =

#Configure the user and password for register authentication
account.2.auth_name =
account.2.password =

#Configure the register user name
account.2.user_name =

#Configure the SIP server address and port (5060 by default)
account.2.sip_server_host =
account.2.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
#proxy server and the server port (5060 by default)
account.2.outbound_proxy_enable = 0
account.2.outbound_host =
account.2.outbound_port = 5060

#For VPphone only
account.2.sip_server_host_readonly = 0

#Configure the transport type;   0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.2.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.2.backup_outbound_host =
account.2.backup_outbound_port = 5060

#Configure the voice mail number of account2.
account.2.voice_mail_number =
voice_mail.number.2 =

#Active/Deactive proxy require
account.2.proxy_require =

#Enable/Disable the anonymous call feature for account2;   0-Disabled(Default), 1-Enabled
account.2.anonymous_call = 0
```

```
#Configure the oncode/offcode for turning on/off anonymous call feature
account.2.anonymous_call_oncode =
account.2.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account2; 0-Disabled(Default),
#1-Enabled
account.2.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.2.anonymous_reject_oncode =
account.2.anonymous_reject_offcode =

#Configure the SIP port for local account2
account.2.sip_listen_port = 5060

#Configure the register expire time
account.2.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.2.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.2.precondition = 0

#Enable/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.2.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled (Default), 1-Enabled
account.2.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.2.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM (Default), 1-PAI, 2-PAI-FROM,
#3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.2.cid_source = 0
account.2.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI,
#2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.2.cid_source = 0
account.2.cp_source = 0

#Enable/Disable session timer; 0-Disabled(Default), 1-Enabled
account.2.session_timer.enable = 0

#Configure session timer expire
account.2.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac (Default), 1-Uas
account.2.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.2.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled (Default), 1-Enabled
account.2.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.2.ptime = 20

#Assign account2 as shared line; 0-Disabled/Private (Default), 1-Broadsoft_shared_line,
```

```
#2-Draft_bridge_line_appearance
account.2.shared_line = 0

#Configure BLA number and the subscribe period when account2 is a BLA line
account.2.bla_number =
account.2.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled (Default), 1-Enabled
account.2.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout2;        #0-Disabled
(Default), 1-Enabled
account.2.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled (Default)
account.2.missed_calllog = 1

#Enable/Disable subscribe to the voicemail number for MWI; 0-Disabled (Default),
#1-Enabled
account.2.subscribe_mwi_to_vm = 0

#Enable/Disable sending MAC address and line number in the Register message;
#0-Disabled (Default), 1-Enabled
account.2.register_mac = 0
account.2.register_line = 0

#Configure interval time for retrying register when account2 register failed 30 seconds by
default
account.2.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.2.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example,
#"conference@domain.com" or "conference"
account.2.conf_uri =

#Configure the BLF List URI (a SIP URI, or user part of the SIP URI), for example,
#"2300_blflist@domain.com" or "2300_blflist"
account.2.blf.blf_list_uri =

#Configure the code for pickup when the monitored user receives an incoming call
account.2.blf_list_code =

#Configure the code for barge in when the monitored user is in conversation
account.2.blf_list_barge_in_code =

#Configure the blf subscribe period 1800 seconds by default
account.2.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default
account.2.subscribe_acd_expires= 3600

#Assign the sip platform;        0-Local SIP Server (Default), 1-Cosmocom, 2-Broadsoft
account.2.sip_server_type = 0

account.2.neg_h264_method = 0
account.2.idle_screen_enable = 0
account.2.idle_screen_url =
```

```
#Enable/Disable the SIP signal encode, configure the key for encoding
account.2.enable_signal_encode = 0
account.2.signal_encode_key =

#Enable/Disable early media
account.2.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only
account.2.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.2.dtmf.type = 1
#Configure the RFC2833 payload
account.2.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO
account.2.dtmf.info_type = 0

##############################################################
##                        NAT Settings                      ##
##############################################################
#Enable/Disable NAT traversal; 0-Disabled (Default), 1-STUN
account.2.nat.nat_traversal = 0

#Configure the STUN server address and port
account.2.nat.stun_server =
account.2.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.2.nat.udp_update_enable = 1
account.2.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled (Default), 1-Enabled
account.2.nat.rport = 0

#Define session timer T1 T2 T4
account.2.advanced.timer_t1 = 0.5
account.2.advanced.timer_t2 = 4
account.2.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only
account.2.advanced.audio_bandwidth = 0
account.2.advanced.video_frame_rate = 30
account.2.advanced.video_i_frame_refresh_time = 30
account.2.advanced.video_bandwidth = 0
account.2.advanced.total_bandwidth = 0

#Assign a ringtone special for account2
account.2.ringtone.ring_type =

#Audio codecs for account2 (Y ranges from 1 to 7)
#account.2.codec.Y.enable = 1
#account.2.codec.Y.payload_type = PCMU
#account.2.codec.Y.priority = 1
#account.2.codec.Y.rtpmap = 0

account.2.codec.1.enable = 1
account.2.codec.1.payload_type = PCMU
account.2.codec.1.priority = 1
account.2.codec.1.rtpmap = 0
```

```
#Video codecs for account2 (X ranges from 1 to 3)
#account.2.video_codec.X.enable = 1
#account.2.video_codec.X.priority = 1
#account.2.video_codec.X.payload_type = H264
#account.2.video_codec.X.rtpmap = 99
#account.2.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
#max-mbps=11880

account.2.video_codec.1.enable = 1
account.2.video_codec.1.priority = 1
account.2.video_codec.1.payload_type = H264
account.2.video_codec.1.rtpmap = 99
account.2.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

##############################################################
##      Account3 Settings     (For SIP-T28P/T26P/T22P/T80P/SIP-T38G/T32G/VPphone only)    ##
##############################################################
#Acitve/Deactive account3; 0-Disabled(Default), 1-Enabled
account.3.enable = 0

#Configure the account3 label which will display on the LCD screen.
account.3.label =

#Configure the display name of account3
account.3.display_name =

#Configure the user and password for register authentication
account.3.auth_name =
account.3.password =

#Configure the register user name
account.3.user_name =


#Configure the SIP server address and port(5060 by default)
account.3.sip_server_host =
account.3.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
#proxy server and the server port(5060 by default)
account.3.outbound_proxy_enable = 0
account.3.outbound_host =
account.3.outbound_port = 5060

#For VPphone only
account.3.sip_server_host_readonly = 0

#Configure the transport type;   0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.3.transport = 0

#Configure the backup outbound proxy server address and port (5060 by default)
account.3.backup_outbound_host =
account.3.backup_outbound_port = 5060

#Configure the voice mail number of account3.
account.3.voice_mail_number =
voice_mail.number.3 =
```

```
#Active/Deactive proxy require
account.3.proxy_require =

#Enable/Disable the anonymous call feature for account3; 0-Disabled (Default), 1-Enabled
account.3.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.3.anonymous_call_oncode =
account.3.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account3; 0-Disabled (Default),
#1-Enabled
account.3.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.3.anonymous_reject_oncode =
account.3.anonymous_reject_offcode =

#Configure the SIP port for local account3
account.3.sip_listen_port = 5060

#Configure the register expire time
account.3.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled (Default), 1-Enabled
account.3.100rel_enable = 0

#Enable/Disable the resource reservation;    0-Disabled(Default), 1-Enabled
account.3.precondition = 0

#Enable/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.3.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator;    0-Disabled(Default), 1-Enabled
account.3.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.3.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID;    0-FROM(Default), 1-PAI, 2-PAI-FROM,
#3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.3.cid_source = 0
account.3.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI,
#2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.3.cid_source = 0
account.3.cp_source = 0

#Enable/Disable session timer; 0-Disabled(Default), 1-Enabled
account.3.session_timer.enable = 0

#Configure session timer expire
account.3.session_timer.expires = 3600

#Configure the session timer refresher;    0-Uac(Default), 1-Uas
account.3.session_timer.refresher = 0

#Enable/Disable "user=phone";    0-Disabled(Default), 1-Enabled
account.3.enable_user_equal_phone = 0

#Enable/Disable SRTP;    0-Disabled(Default), 1-Enabled
```

```
account.3.srtp_encryption = 0

#Configure the RTP packet time;    0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.3.ptime = 20

#Assign account3 as shared line;    0-Disabled/Private(Default), 1-Broadsoft_shared_line,
2-Draft_bridge_line_appearance
account.3.shared_line = 0

#Configure BLA number and the subscribe period when account3 is a BLA line
account.3.bla_number =
account.3.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.3.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout3;
0-Disabled(Default), 1-Enabled
account.3.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.3.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.3.subscribe_mwi_to_vm = 0
#Enable/Disable sending MAC address and line number in the Register message;
#0-Disabled (Default), 1-Enabled
account.3.register_mac = 0
account.3.register_line = 0

#Configure interval time for retrying register when account3 register failed 30 seconds by
#default
account.3.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local (Default), 1-ATS, 2-Network Conference
account.3.conf_type = 0

#Configure the factory conference uri (a SIP URI, or user part of the SIP URI), for example,
#"conference@domain.com" or "conference"
account.3.conf_uri =

#Configure the BLF List URI (a SIP URI, or user part of the SIP URI), for example,
#"2300_blflist@domain.com" or "2300_blflist"
account.3.blf.blf_list_uri =

#Configure the code for pickup when the monitored user receives an incoming call
account.3.blf_list_code =

#Configure the code for barge in when the monitored user is in conversation
account.3.blf_list_barge_in_code =

#Configure the blf subscribe period 1800 seconds by default
account.3.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default
account.3.subscribe_acd_expires= 3600

#Assign the sip platform;        0-Local SIP Server (Default), 1-Cosmocom, 2-Broadsoft
account.3.sip_server_type = 0
```

```
account.3.neg_h264_method = 0
account.3.idle_screen_enable = 0
account.3.idle_screen_url =

#Enable/Disable the SIP signal encode, configure the key for encoding
account.3.enable_signal_encode = 0
account.3.signal_encode_key =

#Enable/Disable early media
account.3.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only
account.3.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.3.dtmf.type = 1
#Configure the RFC2833 payload
account.3.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO
account.3.dtmf.info_type = 0



##############################################################
##                        NAT Settings                      ##
##############################################################
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.3.nat.nat_traversal = 0

#Configure the STUN server address and port
account.3.nat.stun_server =
account.3.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.3.nat.udp_update_enable = 1
account.3.nat.udp_update_time = 30

#Enable/Disable Rport;   0-Disabled(Default), 1-Enabled
account.3.nat.rport = 0

#Define session timer T1 T2 T4
account.3.advanced.timer_t1 = 0.5
account.3.advanced.timer_t2 = 4
account.3.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only
account.3.advanced.audio_bandwidth = 0
account.3.advanced.video_frame_rate = 30
account.3.advanced.video_i_frame_refresh_time = 30
account.3.advanced.video_bandwidth = 0
account.3.advanced.total_bandwidth = 0

#Assign a ringtone special for account3
account.3.ringtone.ring_type =

#Audio codecs for account3 (Y ranges from 1 to 3)
#account.3.codec.Y.enable = 1
#account.3.codec.Y.payload_type = PCMU
```

```
#account.3.codec.Y.priority = 1
#account.3.codec.Y.rtpmap = 0

account.3.codec.1.enable = 1
account.3.codec.1.payload_type = PCMU
account.3.codec.1.priority = 1
account.3.codec.1.rtpmap = 0

#Video codecs for account3 (X ranges from 1 to 3)
#account.3.video_codec.X.enable = 1
#account.3.video_codec.X.priority = 1
#account.3.video_codec.X.payload_type = H264
#account.3.video_codec.X.rtpmap = 99
#account.3.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
#max-mbps=11880

account.3.video_codec.1.enable = 1
account.3.video_codec.1.priority = 1
account.3.video_codec.1.payload_type = H264
account.3.video_codec.1.rtpmap = 99
account.3.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880



############################################################
##                Account4 Settings (For SIP-T28P/SIP-T38G/VPphone only )                ##
############################################################
#Acitve/Deactive account4;       0-Disabled (Default), 1-Enabled
account.4.enable = 0

#Configure the account4 label which will display on the LCD screen.
account.4.label =

#Configure the display name of account4
account.4.display_name =

#Configure the user and password for register authentication
account.4.auth_name =
account.4.password =

#Configure the register user name
account.4.user_name =


#Configure the SIP server address and port (5060 by default)
account.4.sip_server_host =
account.4.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
#proxy server and the server port (5060 by default)
account.4.outbound_proxy_enable = 0
account.4.outbound_host =
account.4.outbound_port = 5060

#For VPphone only
account.4.sip_server_host_readonly = 0

#Configure the transport type; 0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.4.transport = 0
```

#Configure the backup outbound proxy server address and port (5060 by default)
account.4.backup_outbound_host =
account.4.backup_outbound_port = 5060

#Configure the voice mail number of account4.
account.4.voice_mail_number =
voice_mail.number.4 =

#Active/Deactive proxy require
account.4.proxy_require =

#Enable/Disable the anonymous call feature for account4; 0-Disabled(Default), 1-Enabled
account.4.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.4.anonymous_call_oncode =
account.4.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account4; 0-Disabled(Default),
#1-Enabled
account.4.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.4.anonymous_reject_oncode =
account.4.anonymous_reject_offcode =

#Configure the SIP port for local account4
account.4.sip_listen_port = 5060

#Configure the register expire time
account.4.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled (Default), 1-Enabled
account.4.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled (Default), 1-Enabled
account.4.precondition = 0

#Enable/Disable subscribe the register status; 0-Disabled (Default), 1-Enabled
account.4.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled (Default), 1-Enabled
account.4.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.4.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM,
#3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.4.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI,
#2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.4.cp_source = 0

#Enable/Disable session timer; 0-Disabled (Default), 1-Enabled
account.4.session_timer.enable = 0

#Configure session timer expire

```
account.4.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.4.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled (Default), 1-Enabled
account.4.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled (Default), 1-Enabled
account.4.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.4.ptime = 20

#Assign account4 as shared line; 0-Disabled (Default), 1-Broadsoft_shared_line,
#2-Draft_bridge_line_appearance
account.4.shared_line = 0

#Configure BLA number and the subscribe period when account4 is a BLA line
account.4.bla_number =
account.4.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header;   0-Disabled(Default), 1-Enabled
account.4.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1;        0-Disabled
#(Default), 1-Enabled
account.4.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled (Default)
account.4.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled (Default), 1-Enabled
account.4.subscribe_mwi_to_vm = 0

#Enable/Disable sending MAC address and line number in the Register message;
#0-Disabled(Default), 1-Enabled
account.4.register_mac = 0
account.4.register_line = 0

#Configure interval time for retrying register when account4 register failed 30 seconds by
#default
account.4.reg_fail_retry_interval = 30

#Enable/Disable network conference;   0-Local(Default), 1-ATS, 2-Network Conference
account.4.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example,
#"conference@domain.com" or "conference"
account.4.conf_uri =

#Configure the BLF List URI (a SIP URI, or user part of the SIP URI), for example,
#"2300_blflist@domain.com" or "2300_blflist"
account.4.blf.blf_list_uri =

#Configure the code for pickup when the monitored user receives an incoming call
account.4.blf_list_code =

#Configure the code for barge in when the monitored user is in conversation
account.4.blf_list_barge_in_code =
```

```
#Configure the blf subscribe period 1800 seconds by default
account.4.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default
account.4.subscribe_acd_expires= 3600

#Assign the sip platform;   0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.4.sip_server_type = 0

account.4.neg_h264_method = 0
account.4.idle_screen_enable = 0
account.4.idle_screen_url =

#Enable/Disable the SIP signal encode, configure the key for encoding
account.4.enable_signal_encode = 0
account.4.signal_encode_key =

#Enable/Disable early media
account.4.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only
account.4.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (Default), 2-SIP INFO
account.4.dtmf.type = 1
#Configure the RFC2833 payload
account.4.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO
account.4.dtmf.info_type = 0

##################################################################
##                          NAT Settings                        ##
##################################################################
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.4.nat.nat_traversal = 0

#Configure the STUN server address and port
account.4.nat.stun_server =
account.4.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.4.nat.udp_update_enable = 1
account.4.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled(Default), 1-Enabled
account.4.nat.rport = 0

#Define session timer T1 T2 T4
account.4.advanced.timer_t1 = 0.5
account.4.advanced.timer_t2 = 4
account.4.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only
account.4.advanced.audio_bandwidth = 0
account.4.advanced.video_frame_rate = 30
account.4.advanced.video_i_frame_refresh_time = 30
account.4.advanced.video_bandwidth = 0
```

```
account.4.advanced.total_bandwidth = 0

#Audio codecs for account4 (Y ranges from 1 to 7)
#account.4.codec.Y.enable = 1
#account.4.codec.Y.payload_type = PCMU
#account.4.codec.Y.priority = 1
#account.4.codec.Y.rtpmap = 0

account.4.codec.1.enable = 1
account.4.codec.1.payload_type = PCMU
account.4.codec.1.priority = 1
account.4.codec.1.rtpmap = 0

#Video codecs for account4(X ranges from 1 to 3)
#account.4.video_codec.X.enable = 1
#account.4.video_codec.X.priority = 1
#account.4.video_codec.X.payload_type = H264
#account.4.video_codec.X.rtpmap = 99
#account.4.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.4.video_codec.1.enable = 1
account.4.video_codec.1.priority = 1
account.4.video_codec.1.payload_type = H264
account.4.video_codec.1.rtpmap = 99
account.4.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

##########################################################
##              Account5 Settings   (For SIP-T28P/SIP-T38G only )          ##
##########################################################
#Acitve/Deactive account5; 0-Disabled (Default), 1-Enabled
account.5.enable = 0

#Configure the account5 label which will display on the LCD screen.
account.5.label =

#Configure the display name of account5
account.5.display_name =

#Configure the user and password for register authentication
account.5.auth_name =
account.5.password =

#Configure the register user name
account.5.user_name =


#Configure the SIP server address and port(5060 by default)
account.5.sip_server_host =
account.5.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
#proxy server and the server port (5060 by default)
account.5.outbound_proxy_enable = 0
account.5.outbound_host =
account.5.outbound_port = 5060

#For VPphone only
account.5.sip_server_host_readonly = 0
```

#Configure the transport type; 0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.5.transport = 0

#Configure the backup outbound proxy server address and port (5060 by default)
account.5.backup_outbound_host =
account.5.backup_outbound_port = 5060

#Configure the voice mail number of account5.
account.5.voice_mail_number =
voice_mail.number.5 =

#Active/Deactive proxy require
account.5.proxy_require =

#Enable/Disable the anonymous call feature for account5; 0-Disabled(Default), 1-Enabled
account.5.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.5.anonymous_call_oncode =
account.5.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account5; 0-Disabled (Default),
1-Enabled
account.5.reject_anonymous_call = 0
#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.5.anonymous_reject_oncode =
account.5.anonymous_reject_offcode =

#Configure the SIP port for local account5
account.5.sip_listen_port = 5060

#Configure the register expire time
account.5.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.5.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled (Default), 1-Enabled
account.5.precondition = 0

#Enable/Disable subscribe the register status; 0-Disabled (Default), 1-Enabled
account.5.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled (Default), 1-Enabled
account.5.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.5.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM,
#3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.5.cid_source = 0
account.5.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI,
#2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.5.cid_source = 0
account.5.cp_source = 0

#Enable/Disable session timer; 0-Disabled (Default), 1-Enabled
account.5.session_timer.enable = 0

```
#Configure session timer expire
account.5.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.5.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.5.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled (Default), 1-Enabled
account.5.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.5.ptime = 20

#Assign account5 as shared line; 0-Disabled/Private (Default), 1-Broadsoft_shared_line,
#2-Draft_bridge_line_appearance
account.5.shared_line = 0

#Configure BLA number and the subscribe period when account5 is a BLA line
account.5.bla_number =
account.5.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled (Default), 1-Enabled
account.5.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled
#(Default), 1-Enabled
account.5.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled (Default)
account.5.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.5.subscribe_mwi_to_vm = 0

#Enable/Disable sending MAC address and line number in the Register message;
#0-Disabled (Default), 1-Enabled
account.5.register_mac = 0
account.5.register_line = 0

#Configure interval time for retrying register when account5 register failed 30 seconds by
default
account.5.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local (Default), 1-ATS, 2-Network Conference
account.5.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example,
#"conference@domain.com" or "conference"
account.5.conf_uri =

#Configure the BLF List URI (a SIP URI, or user part of the SIP URI), for example,
#"2300_blflist@domain.com" or "2300_blflist"
account.5.blf.blf_list_uri =

#Configure the code for pickup when the monitored user receives an incoming call
account.5.blf_list_code =
```

```
#Configure the code for barge in when the monitored user is in conversation
account.5.blf_list_barge_in_code =

#Configure the blf subscribe period 1800 seconds by default
account.5.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default
account.5.subscribe_acd_expires= 3600

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.5.sip_server_type = 0

account.5.neg_h264_method = 0
account.5.idle_screen_enable = 0
account.5.idle_screen_url =

#Enable/Disable the SIP signal encode, configure the key for encoding
account.5.enable_signal_encode = 0
account.5.signal_encode_key =

#Enable/Disable early media
account.5.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only
account.5.music_server_uri =
#Configure the DTMF type; 0-INBAND, 1-RFC2833 (Default), 2-SIP INFO
account.5.dtmf.type = 1
#Configure the RFC2833 payload
account.5.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO
account.5.dtmf.info_type = 0

##########################################################
##                      NAT Settings                    ##
##########################################################
#Enable/Disable NAT traversal; 0-Disabled (Default), 1-STUN
account.5.nat.nat_traversal = 0

#Configure the STUN server address and port
account.5.nat.stun_server =
account.5.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.5.nat.udp_update_enable = 1
account.5.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled (Default), 1-Enabled
account.5.nat.rport = 0

#Define session timer T1 T2 T4
account.5.advanced.timer_t1 = 0.5
account.5.advanced.timer_t2 = 4
account.5.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only
account.5.advanced.audio_bandwidth = 0
account.5.advanced.video_frame_rate = 30
account.5.advanced.video_i_frame_refresh_time = 30
account.5.advanced.video_bandwidth = 0
```

```
account.5.advanced.total_bandwidth = 0

#Assign a ringtone special for account5
account.5.ringtone.ring_type =

#Audio codecs for account5 (Y ranges from 1 to 7)
#account.5.codec.Y.enable = 1
#account.5.codec.Y.payload_type = PCMU
#account.5.codec.Y.priority = 1
#account.5.codec.Y.rtpmap = 0

account.5.codec.1.enable = 1
account.5.codec.1.payload_type = PCMU
account.5.codec.1.priority = 1
account.5.codec.1.rtpmap = 0

#Video codecs for account5(X ranges from 1 to 3)
#account.5.video_codec.X.enable = 1
#account.5.video_codec.X.priority = 1
#account.5.video_codec.X.payload_type = H264
#account.5.video_codec.X.rtpmap = 99
#account.5.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
#max-mbps=11880
account.5.video_codec.1.enable = 1
account.5.video_codec.1.priority = 1
account.5.video_codec.1.payload_type = H264
account.5.video_codec.1.rtpmap = 99
account.5.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880


##############################################################
##                  Account6 Settings      (For SIP-T28P/SIP-T38G only )                  ##
##############################################################
#Acitve/Deactive account6; 0-Disabled(Default), 1-Enabled
account.6.enable = 0

#Configure the account6 label which will display on the LCD screen.
account.6.label =

#Configure the display name of account6
account.6.display_name =

#Configure the user and password for register authentication
account.6.auth_name =
account.6.password =

#Configure the register user name
account.6.user_name =


#Configure the SIP server address and port (5060 by default)
account.6.sip_server_host =
account.6.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
#proxy server and the server port (5060 by default)
account.6.outbound_proxy_enable = 0
account.6.outbound_host =
account.6.outbound_port = 5060
```

```
#For VPphone only
account.6.sip_server_host_readonly = 0

#Configure the transport type; 0-UDP (Default), 1-TCP, 2-TLS, 3-DNS SRV
account.6.transport = 0

#Configure the backup outbound proxy server address and port (5060 by default)
account.6.backup_outbound_host =
account.6.backup_outbound_port = 5060

#Configure the voice mail number of account6
account.6.voice_mail_number =
voice_mail.number.6 =

#Active/Deactive proxy require
account.6.proxy_require =

#Enable/Disable the anonymous call feature for account6; 0-Disabled (Default), 1-Enabled
account.6.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.6.anonymous_call_oncode =
account.6.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account6, 0-Disabled (Default),
#1-Enabled
account.6.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.6.anonymous_reject_oncode =
account.6.anonymous_reject_offcode =

#Configure the SIP port for local account6
account.6.sip_listen_port = 5060

#Configure the register expire time
account.6.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled (Default), 1-Enabled
account.6.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled (Default), 1-Enabled
account.6.precondition = 0

#Enable/Disable subscribe the register status; 0-Disabled (Default), 1-Enabled
account.6.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled (Default), 1-Enabled
account.6.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.6.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM (Default), 1-PAI, 2-PAI-FROM,
#3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.6.cid_source = 0
account.6.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI,
#2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.6.cid_source = 0
```

```
account.6.cp_source = 0

#Enable/Disable session timer;    0-Disabled(Default), 1-Enabled
account.6.session_timer.enable = 0

#Configure session timer expire
account.6.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac (Default), 1-Uas
account.6.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled (Default), 1-Enabled
account.6.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled (Default), 1-Enabled
account.6.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.6.ptime = 20

#Assign account6 as shared line; 0-Disabled/Private (Default), 1-Broadsoft_shared_line,
#2-Draft_bridge_line_appearance
account.6.shared_line = 0

#Configure BLA number and the subscribe period when account6 is a BLA line
account.6.bla_number =
account.6.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.6.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled
#(Default), 1-Enabled
account.6.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled (Default)
account.6.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled (Default), 1-Enabled
account.6.subscribe_mwi_to_vm = 0

#Enable/Disable sending MAC address and line number in the Register message;
#0-Disabled(Default), 1-Enabled
account.6.register_mac = 0
account.6.register_line = 0

#Configure interval time for retrying register when account6 register failed 30 seconds by
#default
account.6.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.6.conf_type = 0

#Configure the factory conference uri (a SIP URI, or user part of the SIP URI), for example,
#"conference@domain.com" or "conference"
account.6.conf_uri =

#Configure the BLF List URI (a SIP URI, or user part of the SIP URI), for example,
#"2300_blflist@domain.com" or "2300_blflist"
account.6.blf.blf_list_uri =
```

```
#Configure the code for pickup when the monitored user receives an incoming call
account.6.blf_list_code =

#Configure the code for barge in when the monitored user is in conversation
account.6.blf_list_barge_in_code =

#Configure the blf subscribe period 1800 seconds by default
account.6.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default
account.6.subscribe_acd_expires= 3600

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.6.sip_server_type = 0

account.6.neg_h264_method = 0
account.6.idle_screen_enable = 0
account.6.idle_screen_url =

#Enable/Disable the SIP signal encode, configure the key for encoding
account.6.enable_signal_encode = 0
account.6.signal_encode_key =


#Enable/Disable early media
account.6.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only
account.6.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833 (Default), 2-SIP INFO
account.6.dtmf.type = 1

#Configure the RFC2833 payload
account.6.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO
account.6.dtmf.info_type = 0

##########################################################
##                        NAT Settings                  ##
##########################################################
#Enable/Disable NAT traversal; 0-Disabled (Default), 1-STUN
account.6.nat.nat_traversal = 0

#Configure the STUN server address and port
account.6.nat.stun_server =
account.6.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.6.nat.udp_update_enable = 1
account.6.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled (Default), 1-Enabled
account.6.nat.rport = 0

#Define session timer T1 T2 T4
account.6.advanced.timer_t1 = 0.5
account.6.advanced.timer_t2 = 4
```

```
account.6.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only
account.6.advanced.audio_bandwidth = 0
account.6.advanced.video_frame_rate = 30
account.6.advanced.video_i_frame_refresh_time = 30
account.6.advanced.video_bandwidth = 0
account.6.advanced.total_bandwidth = 0

#Assign a ringtone special for account6
account.6.ringtone.ring_type =

#Audio codecs for account6 (Y ranges from 1 to 7)
#account.6.codec.Y.enable = 1
#account.6.codec.Y.payload_type = PCMU
#account.6.codec.Y.priority = 1
#account.6.codec.Y.rtpmap = 0

account.6.codec.1.enable = 1
account.6.codec.1.payload_type = PCMU
account.6.codec.1.priority = 1
account.6.codec.1.rtpmap = 0

#Video codecs for account6(X ranges from 1 to 3)
#account.6.video_codec.X.enable = 1
#account.6.video_codec.X.priority = 1
#account.6.video_codec.X.payload_type = H264
#account.6.video_codec.X.rtpmap = 99
#account.6.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
#max-mbps=11880

account.6.video_codec.1.enable = 1
account.6.video_codec.1.priority = 1
account.6.video_codec.1.payload_type = H264
account.6.video_codec.1.rtpmap = 99
account.6.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880


##############################################################
##                    Call Forward Settings                 ##
##############################################################
################################
# 1-Enable, 0-Disable (default) whether to Always Forward
forward.always.enable = 0

# target: phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
forward.always.on_code =
forward.always.off_code =

# Busy Forward enable:the default is 0(disabled)
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code =
forward.busy.off_code =

# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
```

```
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code =
forward.no_answer.off_code =

# international: (T2Xp Only)default:0
forward.international.enable =0
```