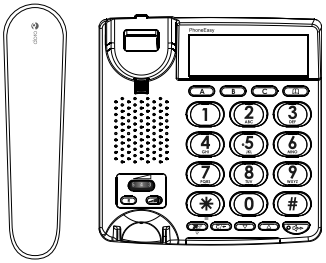
Admin Manual
Doro PhoneEasy® 337ip

Contents

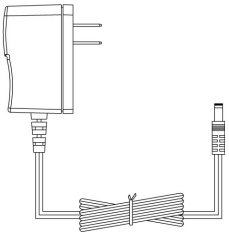
Getting started

Packing List

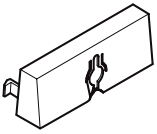
The following are included in your package:



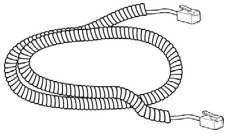
PhoneEasy 337ip



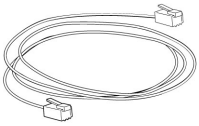
AC Adapter



Wall mount bracket



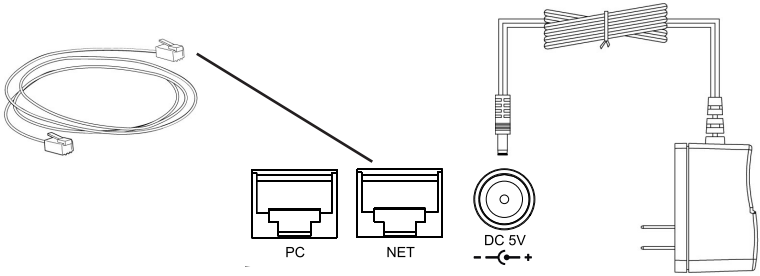
Handset Core



Ethernet Cable

Connect Network and Power

There are two ways for network and power source connections. You can either connect the phone to the AC Power directly using the power adapter or to a PoE compliant switch or hub. Your system administrator will advise you on which one to use.



Note:

1. If inline power is provided, do not install AC adapter. Make sure the Ethernet cable and switch/hub are PoE compliant.

2. The Internet Port can be also connected to Hub/Switch/IP PBX or other internet devices.

The phone can also share the network connection with other network devices such as a PC. Connect the phone's PC port and computer's Network Port using an Ethernet cable.

Basic configuration and registration

If you are administrator, you need to do some simple configuration to make the phone work. If not, please contact your internet administrator or service provider for more details.

Configuring via Web Page

Press and hold ✱ on the phone to enter the status menu and find out the IP address of IP phone. Enter it (for example http://192.168.3.35) into the address bar of web browser. The default login name and password are both "**admin**".

Note:
Please locate your PC in the same network segment of IP phone (192.168.3.X) to access the web configuration page. Please consult your system administrator for help.

Network Settings

Choose **Network**->**Internet Port (WAN)**.

Field		Description
DHCP	The device will acquire its IP address from the DHCP server automatically.	
Static IP Address	IP Address	IP address of your IP phone manually.
	Subnet Mask	Subnet mask of the IP phone.
	Default Gateway	Set the gateway of the IP phone.
	Primary DNS	Domain Name System (DNS) of the IP phone.
	Secondary DNS	Backup Domain Name System (DNS) of the IP phone.
PPPoE	User	User Name for internet access. Provided by your ISP.
	Password	Password for internet access. Provided by your ISP.

DHCP: By default the phone attempts to contact a DHCP Server in your network in order to obtain its valid network settings, e.g. IP address, sub mask, gateway, DNS server, etc.

Note:
Using the wrong network parameters may result in inaccessibility of your phone and may also have an impact on your network performance. Please contact your network administrator.

Account Settings

The phone attempts to register to the SIP server using the account/registrar data provided by the automatic or manual initialization.

Choose **Account**, you will find the following parameters:

Field	Description
Register Status	Displays the register status of the phone
Line Active	Choose on/off to enable/disable the account
Display Name	Display name is shown as the Caller ID when making a phone call. It is used for local user interface as well as SIP signalling.
Register Name	Authentication ID
User Name	Account for register, provided by ISP.
Password	Password for the account
SIP Server & Port	SIP Server address/port for registration
Enable Outbound Proxy Server	Enable/disable outbound proxy function
Outbound Proxy Server & Port	Outbound Proxy Server address/port
Backup Outbound Proxy Server & Port	Backup Outbound Proxy Server address/port
NAT Traversal	Disable/(Enable) STUN NAT Traversal
STUN Server & Port	STUN Server address/port
Voice Mail	Number to access voice mail service
Proxy Require	A Special parameter just for Nortel server. If you login to Nortel server, the value should be: com.nortelnetworks. firewall

When you have finished the **Network** and **Account** setting configuration, the phone is ready to use unless there's any specific parameters that needs to be adjusted.

Please see *Advanced settings* for more information.

Advanced Settings

The following chapter describes the parameters on the Web UI

Account

Basic settings

See *Basic configuration and registration* as previously described.

Codecs

The phone can support the following codecs: G723_53, G723_63, G726-16, G726-24, G726-32, G726-40, G722, G729, PCMU and PCMA.

On this section you can set which codecs that should be enabled and in what priority they should be used.

Advanced

Field	Description
UDP Keep-alive Message	Defines whether to activate the UDP Keep-alive mechanism. The default is Enabled.
UDP Keep-alive Interval	This parameter specifies how often the phone will send UDP keep-alive packet to the SIP server. Default is 30 seconds.
Login Expire	This parameter specifies the time frequency that phone refreshes its registration. The default interval is 3600 seconds.
Local SIP Port	Local SIP port. The default value is 5060.
RPort	The parameter allows you configuring the proxy to send responses back to a particular address and port. The default is disabled.
SIP Session Timer	The time, in seconds, that the IP phone uses to send periodic re-INVITE requests to keep a session alive. The proxy uses these re-INVITE requests to maintain the status of the connected sessions.
Subscribe Period	This parameter defines the period of the subscription. The default value is 1800.
DTMF Type	There are there types of DTMF to choose: INBAND, RFC2833 or SIP INFO.

Field	Description
How to INFO DTMF	It defines the type of How to INFO DTMF of the account. Disabled, DTMF-Relay, DTMF or Telephone-Event. The default is Disabled.
DTMF Payload	It defines the value of DTMF Payload of the account. Integer from 96 to 255. And the default is 101.
100 reliable retransmission	It defines whether to enable the 100 reliable retransmission of account.
Enable Precondition	It defines whether to active the Enable Precondition of the account. The default is Disabled.
Subscribe Register	It defines whether to active the Subscribe Register of the account. The default is Disabled.
Subscribe for MWI	It defines whether to active the Subscribe for MWI of the account. The default is Disabled.
Caller ID Header	It defines the type of Caller ID Header of the account. FROM or PAI. The default is FROM.
Use Session Timer	It defines whether to enable the Session Timer of the account.
Session Timer	This document defines an extension to the Session Initiation Protocol (SIP). This extension allows for a periodic refresh of SIP sessions through a re-INVITE or UPDATE request. The refresh allows both user agents and proxies to determine if the SIP session is still active.
Refresher	It defines the type of Refresher of the account: Uac or Uas. The default is Uac.
Use user=phone	It defines whether to active Use user=phone of the account. The default is Disabled.
Voice Encryption(SRTP)	It defines whether to enable the Voice Encryption (SRTP) of the account.

Field	Description
ptime	It defines the value of ptime of the account. "ptime" gives the length of time in milliseconds represented by the media in a packet. Disabled means the server will not negotiate with the phone and the IP phone will accept the default ptime value of the server. 10 stand for 10ms. 20 stand for 20ms. And so on. The default is 20ms.
BLFList URI	It defines the value of BLFList URI of the account. No default value.
Anonymous Call	The phones you call will not be able to display your name when you set this parameter as enabled.
Anonymous Call Rejection	The anonymous calls incoming will be rejected when you set this parameter as enabled.

Network

WAN

Field		Description
DHCP		The device will acquire its IP address from the DHCP server automatically.
Static IP Address	IP Address	IP address of your IP phone manually.
	Subnet Mask	Subnet mask of the IP phone.
	Default Gateway	Set the gateway of the IP phone.
	Primary DNS	Domain Name System (DNS) of the IP phone.
	Secondary DNS	Backup Domain Name System (DNS) of the IP phone.
PPPoE	User	User Name for internet access. Provided by your ISP.
	Password	Password for internet access. Provided by your ISP.

LAN

Field		Description
As Bridge		The Bridge Item is to setup the SIP Phone Bridge mode Enable/Disable. If you set the Bridge On, the two Fast Ethernet ports will be transparent.
As Router (If you select the Router mode, the SIP phone will work as a router)	IP Address	Configure the PC port IP address.
	Subnet Mask	Configure the PC port Subnet Mask.
	Enable DHCP Server	If you set the DHCP server on, the device connected to the PC port will get the IP address automatically between the start IP address and the end IP address. But if you select the bridge mode, the DHCP server will be disabled.
	Start IP Address	Indicate the start of the DHCP IP range.
	End IP Address	Indicate the end of the DHCP IP range.

Advanced

Field			Description
VLAN (VLAN is a group of hosts with a common set of requirements that communicate as if they were attached to the Broadcast domain, regardless of their physical location.)	LAN Port	Active	Choose whether to enable/disable the VLAN function of the LAN port.
		VID	VLAN is a feature on the IP phone that allows for multiple logical Ethernet interfaces to send outgoing RTP packets over a single physical Ethernet as described in IEEE Std 802.3. On the IP phone, you configure a VLAN ID that associates with the physical Ethernet Port 0.
		USRPRIORITY	This parameter is based on the Type of Service (ToS), Differentiated Services Code Point (DSCP) setting for SIP (tos sip parameter), RTP (tos rtp parameter) and RTCP (tos rtcp parameter). It is the mapping between the DSCP value and the VLAN priority value for SIP, RTP, and RTCP packets.
	PC Port	Active	Choose whether to enable/disable the VLAN function of the PC port.
		VID	Specifies the VLAN ID used to pass packets to a PC via Port 1.
		USRPRIORITY	Sets the priority value used for VLAN packets to a PC via Port 1.
Voice QoS	Voice QoS	It defines the value of Voice QoS. Integer from 0 to 63. The default is 40	
	SIP QoS	It defines the value of SIP QoS. Integer from 0 to 63. The default is 40	
Local RTP Port	MaxRTPPort	Defines the range of the port for voice transmission.	
	MinRTPPort	Defines the range of the port for voice transmission.	
SNMP	Port	It defines the Port of SNMP. Integer from 0 to 65535. The default is 0.	
	Trusted Address	It defines the Trusted Address of SNMP.	

Phone

Preference

Field	Description
Language	The IP phones can support different non-European languages. You can have the Web UI display in a specific language as required. When you set the language to use, all of the displayed page will display in that language. This IP phones support the following languages on the Web UI: Chinese-S, English, Turkish and Russian.
Time Zone	Sets the Time Zone you expect to use the phone in. Time Zone from -11 to +12. The default is +8.
Primary NTP Server	Specified server which is used to synchronize the clocks of the phone.
Secondary NTP Server	The backup NTP Server. The IP phone will synchronize with this server when the Primary NTP Server is unavailable.
Update Interval	Sets the time frequency in seconds that the unit refreshes the time automatically.
Daylight Saving Time	The parameter used to active the daylight saving time.
StartTime	When to start the daylight saving time.
EndTime	When to end the daylight saving time.
Time Format	Changes the time to 12 hour or 24 hour format.
Manual Time	Enable or disable to set time manually.
Inter Digit Time	Defines the length of time to call out automatically without pressing the SEND key.

Feature

Field		Description
Forward	Cancel Forward	To disable the call forward function.
	Always Forward to	Forward all calls to the set number.
	Busy Forward to	When the extension is busy, it will forward new incoming calls to the set number.
	No Answer Forward to	When the extension is not answered, it will forward the new incoming call to the set number after defined seconds.
	Busy/No Answer Forward	When the extension is busy or not answered, it will forward the new incoming call to the set number after defined seconds.
Auto Answer		Enable/disable the auto answer function. If you set it as Enabled, all incoming calls will be answered automatically.

DSS Key

Configuration for the memory keys A/B/C.

Field	Description
Name	Enter the name as speed dial for the special memory key.
Office Number	Enter the number as speed dial for the special memory key.

Voice

Field		Description
Echo Cancellation	Echo canceller	Enabled/disable the function of removing the unwanted echo signals. This to get a higher quality of voice.
	VAD	The purpose of voice activity detection (VAD) is to conserve network bandwidth by detecting periods of relative “silence” in the transmit data path and replacing that silence efficiently with special packets that indicate silence. Enable/disable this function.
	CNG	Choose Enabled to open the Comfort Noise Generation function.

Field		Description
JITTER BUFFER	Type	It is a shared data area where voice packets can be collected, stored, and sent to the voice processor. Select the type of JITTER BUFFER, Adaptive or Fixed.
	Min Delay	Defines the value of Min Delay. The default is 0.
	Max Delay	Defines the value of Max Delay. The default is 300.
	Normal Delay	Defines the value of Normal Delay. The default is 120.

Ring

Field	Description
Internal Ringer Text	When receiving a call, Distinctive Ring tone is an advanced feature that enables the phone to play a specific ring tone that is defined in the SIP Invite message. The ring tone can be an internal ring tone stored in the phone flash or an external ring tone which you can download via a URL that is defined in the SIP Invite message. Since the SIP message is controlled by the server, the feature needs the server support. By this field, users can specify a name for the group to play the distinctive ring tone. For example, Family, Colleagues, Friends and so on.
Internal Ringer File	Select a preferred internal ring tone for the group.

Tones

Configuration of the call progress tones.

Field	Description
Select country	Choose the country you are in. In custom mode, you can write the tones manually in this format: element = freq[+freq2]/duration[, freq[+freq2]/duration]. Set freq=0 for silence.
Dial	Dial tone, which played when you pick up the handset to make a call. Enter the frequency and time period (in ms) as the following format: Frequency /Time Period (for example 425/8000).

Field	Description
Ring Back	Ring back tone, which played when you are calling someone, but the call is not yet answered. Enter the frequency and time period (in ms) as the following format: Frequency /Time Period (for example 425/1000,0/4000).
Busy	Busy tone, which played when the called party is busy or the account cannot dial out. Enter the frequency and time period (in ms) as the following format: Frequency /Time Period (for example 400/500,0/500).
Congestion	Congestion tone, which played when the network can not be connected.
Call Waiting	Call waiting tone, which played when someone calls while you are on a call.
Dial Recall	Recall tone, which played when the current call is to be recalled.
Record	Record tone, which played when the current call is start to be recorded.
Info	Info tone, which played while receiving a specific message, for example, the dialled number is not the in service area...
Stutter	Stutter tone, which played when voicemail has been received.
Message	Message tone, which played while receiving an incoming text message.
Auto Answer	Auto answer tone, which played while auto answering an incoming call.

Dial Plan

Customisation of number plan

Field		Description
Replace Rule	Prefix	The Prefix of a number (or the whole number) you want to replace. This field can only be numbers.
	Replace	The number to replace the set prefix. This can be numbers or letters. For example, If Prefix is set to 123, Replace set to 25, if you dial number 123, the actual number dialled out will be 25. If you dial 1231, the actual number dialled out will be 251.

Field		Description
Dial-now	Dial-now Rule	Dial-now enables you to define the specific length of any number/letter in advance(for example xxx), next time when users dial out the 123 whose length matches the Dial-now rule, the phone will dial out 123 in one second without pressing Send button.
Area Code	Code	To set the country/area code, then when you dial a number, it will add the code to the head of the number, and then dial out automatically.
	Min Length	To the min length of a valid area code.
	Max Length	To the max length of a valid area code.
Block Out	Block Out Number	The specific phone numbers can be forbidden to be called out from your IP phone.

Contact

Field	Description
Name	Set the name for a contact.
Number	Set the phone number of a contact.
Browse	Browse the specific contact list file in XML format, and then click Import button. The imported contact lists will be shown in the Directory.

The format of the file when importing the contacts (phonebook) must be as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<contactData>
<group>
<contact sDisplayName="First" sOfficeNumber="111"></contact>
<contact sDisplayName="Second" sOfficeNumber="222"></contact>
<contact sDisplayName="Third" sOfficeNumber="333"></contact>
<contact sDisplayName="Forth" sOfficeNumber="444"></contact>
</group>
</contactData>
```

Upgrade

Basic

Field	Description
Reset to Factory Setting	Use this button to reset your IP phone to the factory setting at once. Note: All configurations will be lost.
Reboot System Now	Use this button to reboot your IP phone.
Select and Upgrade Firmware	Click the Browse button to select the firmware file in your local computer, then Click Upgrade button to update the new firmware. Note: Please do not power off during the updating.

Advanced

Field	Description
Custom Option	To specify a wanted DHCP option number which is supposed to contain the auto provisioning server address. Please see *Auto-provision* for details.
Custom Option Type	There are two custom types available: IP Address or String.
URL	URL of the auto provisioning server.
Account	Account which may be used when the access to the URL requires authentication.
Password	Password which may be used when access to the URL requires authentication.
Specified AES Key	Must match the encryption key with the key that the common CFG provisioning-file has been encrypted with.
Per-phone AES Key	Must match the encryption key with the key that the Phone-specific CFG provisioning-file has been encrypted with.
Check New Config	The period that your phone checks the new firmware from the server: Power on, Repeatedly, Weekly, Power on + Repeatedly, Power on + Weekly and Disabled.
Click here to Autoprovision Now	Click this button to auto provision immediately.
Export / Import Config	To export the configuration files to backup the settings, and then you can also import all the settings after a reset.

Field	Description
Export System Log	There have two methods to restore the system log, to local or to the server. If you choose the Server option, you should set the server address first. Then click the Export button to export the system log.

Security

Field	Description
User Type	Select your type. If you log in as user, you can only change your own password. If you login as an administrator, you can modify both the user's and admin's passwords.
Old Password	Enter the old Password.
New Password	Enter the new password you want to change for logging in.
Confirm Password	Re-enter the new password again.

Auto-provision

The following will show you how to auto-provision the phone. The process of a successful auto-provision is:

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

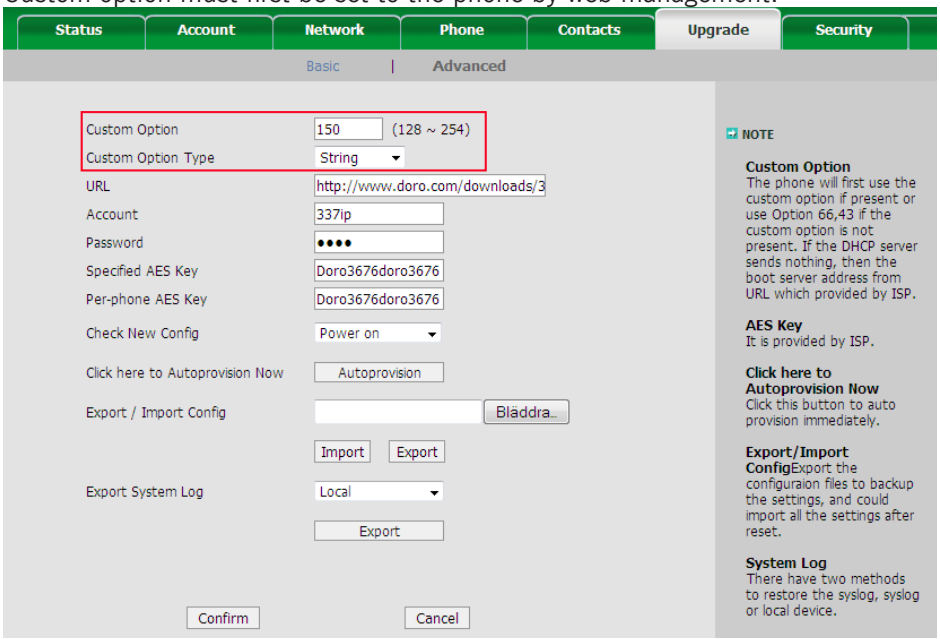
Obtain the server address

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

DHCP custom option ➔DHCP option 66 ➔ DHCP option 43 ➔ Phone Flash

The following are the details of each process:

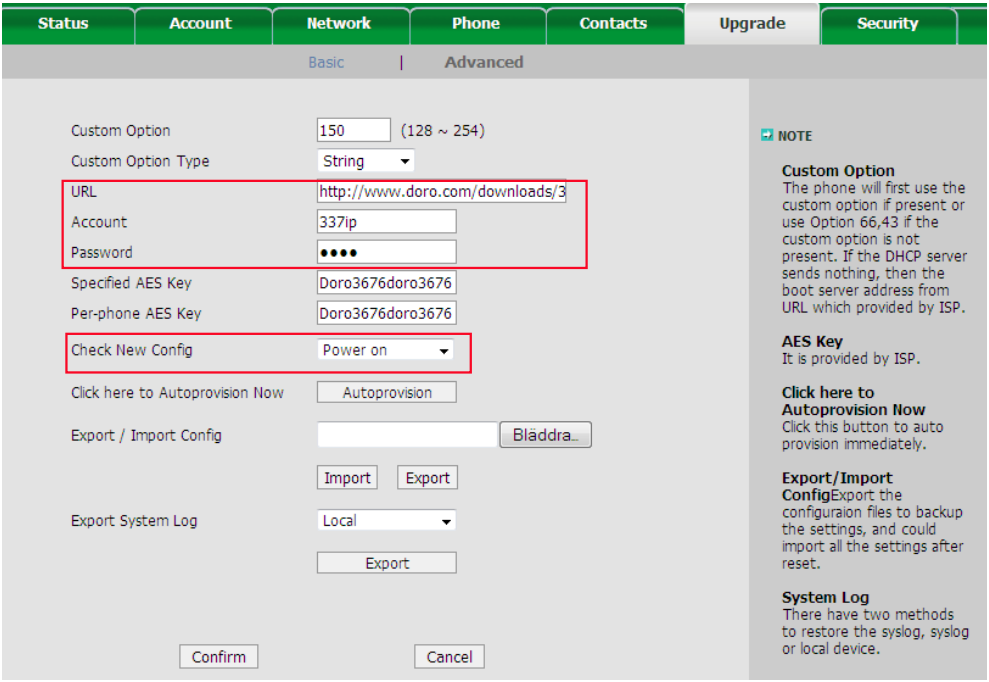
1. Detect DHCP custom option.
   Custom option must first be set to the phone by web management:



Note:
A valid **Custom Option** is from 128 to 254. The **Custom Option Type** must be in accordance with the one defined in the DHCP server. If the phone fails to get any information from custom option, it will try to detect DHCP Option 66.

2. Detect DHCP Option 66. The phone will check this option by default. If the phone fails to get any information from DHCP Option 66, it will try to detect DHCP Option 43.
3. Detect DHCP Option 43. The phone will check this option by default. If the phone fails to get any information from DHCP Option 43 and **Check New Config** is not Disabled, it will go to detect the phone flash (pre-configured provisioning server).
4. Detect the phone flash.

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



Note:

This process depends on the setting of **Check New Config** *and if it is set to be* **Disabled**, *the phone won't detect the FLASH.*

The supported protocols of a **URL** *are:* **HTTP/HTTPS/FTP/TFTP**. **Account** *and* **Password** *will be used to access to the URL if required. FTP server always has this requirement. If the phone fails to get any information from phone flash, the current round of obtaining server address will stop here.*

Download configuration files

There are 2 configuration files both of which are CFG formatted that the phone will try to download from the server. The files are called Common CFG file and Phone-specific CFG file. The Common CFG file will be activated for all the phones of the same model. However, a Phone-specific CFG file will only be activated for one specific phone which has a matching MAC address. A common CFG file has a fixed name for each model while a Phone-specific CFG file is named after a MAC address of a specific phone (001d29002794.cfg).

The name of the Common CFG file for 337ip is:

y000000000006.cfg

There are 11 zeros between the letter y and the last number.

To have this name division on configuration files will help when doing same auto provision to mass phones. For example, assumed that you have 1000 pieces of 337ip and you want to update firmware for all phones, you only need to prepare one y000000000006.cfg in which it defines the firmware update request, and then put it onto the provisioning server.

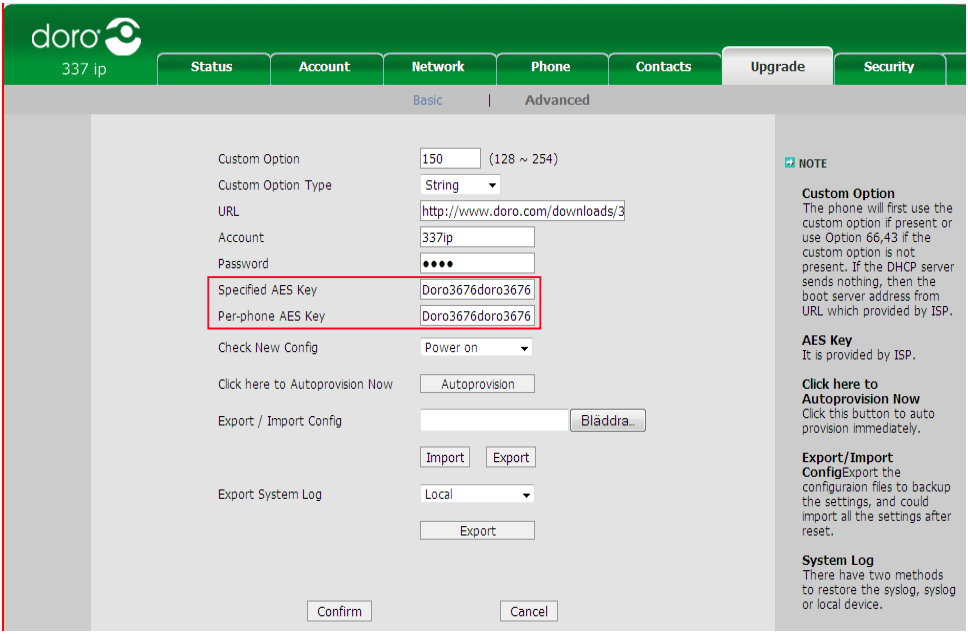
Note:

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

Resolve and then apply the configurations

If the downloaded configuration files have been AES encrypted, the AES keys will be needed. The **Specified AES Key** is for decrypting the Common CFG and the **Per-phone AES Key** is for the Phone-specific CFG file.

The keys must be 16 bytes (characters) and the supported characters are: 0 ~ 9, A ~ Z, a ~ z and the following special characters: # $ % * + , - . : = ? @ [ ] ^ _ { } ~



In a CFG file, there are text defining the configuration. Here's a description to the text. The following example is regarding the AES_KEY section.

y000000000000.cfg

```
1
2  [ autop_mode ]
3  path = /config/Setting/autop.cfg
4  #disable:0; power on:1; repeatly:4; weekly:5
5  #schedule_min is the interval of time to update, the minimum value is 1
6  #schedule_time and schedule_time_end are the time for weekly update
7  #schedule_dayofweek is the setting for weekly choosen, Sunday:0; Monday:1; Tuesday:2
8  mode =
9  schedule_min =
10 schedule_time =
11 schedule_time_end =
12 schedule_dayofweek =
13
14 [ cutom_option ]
15 path = /config/Setting/autop.cfg
16 cutom_option_code0 =
17 cutom_option_type0 = 1
18
19 [ autoprovision ]
20 path = /config/Setting/autop.cfg
21 #server_address is just the URL field on the Web page.
22 server_address =
23 user =
24 password =
25
26 [ AES_KEY ]
27 path = /config/Setting/autop.cfg
28 aes_key_16 =
29 aes_key_16_mac =
```

The following texts are system-defined that should not be changed manually, otherwise it could cause a failure to auto provision:

1. The section header **[AES_KEY]**
2. The directory of the section **path = /config/Setting/autop.cfg**
3. The parameters **aes_key_16** and **aes_key_16_mac**

You can only specify a valid value after the equal sign "=". This is a section for specifying the AES keys. **aes_key_16** is used for the Common CFG-file and **aes_key_16_mac** is used for the Phone-specific CFG file

[AES_KEY]

path = /config/Setting/autop.cfg

aes_key_16 = 1234567890123456

aes_key_16_mac = 1234567890123456

The lines starting with # are comments, which will not affect the configuration, just used for help notes. For the detailed instruction of the parameters written in the CFG files, please refer to the **Appendix A**.

Note:

If the phone finds that the downloaded CFG files are identical with the last applied files, the auto provision will stop here. The phone knows it by comparing the MD5 value of the downloaded CFG files and the latest applied CFG files.

Encrypting configuration files

To enhance security and protect account details if you are provisioning phones from a public server, you may AES encrypt your configuration files.

It's very important that you encrypt the files with the same 16 byte key as you have in the phone, as described in previous section.

Filenames should still be the same regardless if encrypted or not.

Common CFG file for 337ip is y000000000006.cfg and the Phone-specific CFG file is named after a MAC address of a specific phone (001d29002794.cfg).

A simple command line AES-encryption S/W can be downloaded at:

http://www.doro.com/downloads/337ip/AES_Encryption_Tool.zip

For Windows, simply open a DOS (Command Window) and run as follows:

```
C:\>EncryptUtilityWindows.exe KeyFile E (or D) DstFile SrcFile
```

Keyfile = should be a 16 character key

E = for Encrypt

D = for Decrypt

Example:

To encrypt

```
C:\>EncryptUtilityWindows.exe 1234567890123456 E f:\y000000000006.cfg.en  f:\
y000000000006.cfg
```

To decrypt

```
C:\>EncryptUtilityWindows.exe 1234567890123456 D  f:\y000000000006.cfg.de f:\
y000000000006.cfg.en
```

Note!

Please remeber to remove the ".en"-suffix from the file before placing it on the provisioning server. This is just to identify that it's a n encrypted file.

Other updates

It depends on the texts written in the CFG files to decide whether to make other updates. A couple of samples follows:

1. Contacts update in the CFG files:

##

[ContactList]

path = /tmp/download.cfg

server_address =

##

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

Note that the name has to be **contactData1.xml**.

The format of the XML file is different from the file which you use in “remote phone book”. It’s the same as the “Local phone book”. You can export an existed local phone book to see what the format is exactly.

2. This section is describing request for firmware update in the CFG files:

##

[firmware]

path = /tmp/download.cfg

server_type =

server_ip =

server_port =

login_name =

login_pswd =

http_url =

firmware_name =

##

An example:

[firmware]

path = /tmp/download.cfg

server_type = ftp

server_ip = 192.168.0.231

server_port = 21

login_name = upg

login_pswd = 1234

http_url = http://192.168.0.231/337ip/

firmware_name = 10.0.0.75.rom

The above section will make the phone access to ftp server 192.168.0.231, using port 21, user name “upg” and password “1234” to download the 10.0.0.75.rom. And if the server_type = http, it will go to *http://192.168.0.231/337ip/* to download the 10.0.0.75.rom.

Description of configuration parameters in CFG file

Provisioning

Section Header and Path	Parameters	Permitted Values	Descriptions
[autop_mode] path = /config/Setting/autop.cfg	mode	0,1,4,5,6,7	It defines the value of **Check New Config**. 0:Disabled 1:Power on 4:Repeatedly 5:Weekly 6:Power on + Repeatedly 7:Power on + Weekly The default is 0.
	schedule_min	1 to 43200	It is available when mode is 4 or 6. It stands for the interval time (by minutes) of checking new config.
	schedule_dayofweek	0,1,2,3,4,5,6 or a combination of these numbers	It is available when mode is 5 or 7.It defines the day of week when there's a need to check new config. If it is set to be 0123456, it means every day. 0:Sunday 1:Monday 2:Tuesday 3:Wednesday 4:Thursday 5:Friday 6:Saturday
	schedule_time	time as 19:45	It is available when mode is 5 or 7.It means the phone will check new config at a time between schedule_time and schedule_time_end on a specified day every week.
	schedule_time_end	time as 19:45	
[cutom_option] path = /config/Setting/autop.cfg	cutom_option_code0	integer from 129 to 254	It defines the **Custom Option**. No default value.
	cutom_option_type0	0 or 1	It defines the **Custom Option Type.** 0 stands for IP Address. 1 stands for string. The default is 1.

Section Header and Path	Parameters	Permitted Values	Descriptions
[AES_KEY] path = /config/Setting/autop.cfg	aes_key_16	16-byte string	It defines the **AES Key** which is used for decrypting the common CFG file. Besides 0 ~ 9, A ~ Z, a ~ z, the valid characters include the following special ones: #$%*+,-.:=?@[]^_{}~
	aes_key_16_mac	16-byte string	It defines the **AES Key** which is used for decrypting the phone-specific CFG file. The valid characters are the same as **aes_key_16.**
[autoprovision] path = /config/Setting/autop.cfg	server_address	HTTP/ HTTPS/ FTP/TFTP Address	It defines the **URL** which is supposed to be the auto provisioning server.
	user	string	It defines the **Account** which may be used when the access to the URL requires authentication.
	password	string	It defines the **Password** which may be used when access to the URL requires authentication.

Account settings

Section Header and Path	Parameters	Permitted Values	Descriptions
[account] path = /config/voip/ sipAccount0.cfg continue..	Enable	0 or 1	It defines the **Line Active** value of account1. 0 stands for off 1 stands for on The default is 0.
[account] path = /config/voip/ sipAccount0.cfg continue..	Label	string	It defines the **Label** of account1. No default value.
	DisplayName	string	It defines the **Display Name** of account1. No default value.
	AuthName	string	It defines the **Register Name** of account1. No default value.
	UserName	string	It defines the **User Name** of account1. No default value.
	password	string	It defines the **Password** of registration for account1. No default value.
	SIPServerHost	Domain name or IP Address	It defines the **SIP Server** of account1. No default value.
	SIPServerPort	integer	It defines the **Port** of the SIP Server of account1. The default is 5060.
	UseOutboundProxy	0 or 1	It defines the value of **Enable Outbound Proxy Server** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	OutboundHost	Domain name or IP Address	It defines the **Outbound Proxy Server** of account1. No default value.

Section Header and Path	Parameters	Permitted Values	Descriptions
[account] path = /config/voip/ sipAccount0.cfg continue..	OutboundPort	integer	It defines the **Port** of the Outbound Proxy Server of account1. The default is 5060.
	Transport	0,1 or 2	It defines the value of **Transport** of account1. 0 stands for UDP. 1 stands for TCP. 2 stands for TLS. The default is 0.
	BakOutboundHost	Domain name or IP Address	It defines the Backup **Outbound Proxy Server** of account1. No default value.
	BakOutboundPort	integer	It defines the **Port** of Backup Outbound Proxy Server of account1. The default is 5060.
	proxy-require	string	It defines the value of **Proxy Require** of account1. No default value.
	AnonymousCall	0 or 1	It defines the value of **Anonymous Call** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	RejectAnonymousCall	0 or 1	It defines the value of **Anonymous Call Rejection** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	Expire	integer	It defines the value of **Login Expire** of account1. The default is 3600.
	SIPListenPort	integer	It defines the value of **Local SIP Port** of account1. The default is 5060.

Section Header and Path	Parameters	Permitted Values	Descriptions
[account] path = /config/voip/ sipAccount0.cfg continue..	Enable 100Rel	0 or 1	It defines the value of **100 reliable retransmission** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	precondition	0 or 1	It defines the value of **Enable Precondition** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	SubsribeRegister	0 or 1	It defines the value of **Subscribe Register** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	SubsribeMWI	0 or 1	It defines the value of **Subscribe for MWI** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	CIDSource	0 or 1	It defines the value of **Caller ID Header** of account1. 0 stands for FROM. 1 stands for PAI. The default is 0.
	EnableSessionTimer	0 or 1	It defines the value of **Use Session Timer** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	SessionExpires	integer from 1 to 999	It defines the value of **Session Timer** of account1. No default value.

Section Header and Path	Parameters	Permitted Values	Descriptions
[account] path = /config/voip/sipAccount0.cfg continue..	SessionRefresher	0 or 1	It defines the value of **Refresher** of account1. 0 stands for Uac. 1 stands for Uas. The default is 0.
	EnableUserEqualPhone	0 or 1	It defines the value of **Use user=phone** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	srtp_encryption	0 or 1	It defines the value of **Voice Encryption (SRTP)** of account1. 0 stands for off. 1 stands for on. The default is 0.
	ptime	0, 10, 20, 30, 40, 50 or 60	It defines the value of **ptime** of account1. 0 stands for Disabled. 10 stands for 10ms. 20 stands for 20ms. And so on. The default is 0.
	ShareLine	0 or 1	It defines the value of **Shared Line** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	dialoginfo_callpickup	0 or 1	It defines the value of **Dialog-Info Call Pickup** of account1. 0 stands for Disabled. 1 stands for Enabled.

Section Header and Path	Parameters	Permitted Values	Descriptions
[DTMF] path = /config/voip/ sipAccount0.cfg	DTMFInbandTransfer	0,1 or 2	It defines the value of **DTMF Type** of account1. 0 stands for INBAND. 1 stands for RFC2833. 2 stands for SIP INFO. The default is 1.
	InfoType	0,1,2 or 3	It defines the value of **How to INFO DTMF** of account1. 0 stands for Disabled. 1 stands for DTMF-Relay. 2 stands for DTMF. 3 stands for Telephone-Event. The default is Disabled.
	DTMFPayload	integer from 96 to 255	It defines the value of **DTMF Payload** of account1. The default is 101.
[NAT] path = /config/voip/ sipAccount0.cfg	NATTraversal	0 or 1	It defines the value of **NAT Traversal** of account1. 0 stands for Disabled. 1 stands for STUN. The default is 0.
	STUNServer	Domain name or IP Address	It defines the value of **STUN Server** of account1. No default value.
	STUNPort	integer	It defines the **Port** of STUN Server of account1. The default is 10000.
	EnableUDPUpdate	0 or 1	It defines the value of **UDP Keep-alive Message** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	UDPUpdateTime	integer	It defines the value of **UDP Keep-alive Interval** of account1. The default is 30 (seconds).
	rport	0 or 1	It defines the value of **Rport** of account1. 0 stands for Disabled. 1 stands for Enabled. The default is 0.

Section Header and Path	Parameters	Permitted Values	Descriptions
[ADVANCED] path = /config/voip/ sipAccount0.cfg	default_t1	Float	It defines the value of **SIP Session Timer T1** of account1. The default is 0.5.
	default_t2	Float	It defines the value of **SIP Session Timer T2** of account1. The default is 4.
	default_t4	Float	It defines the value of **SIP Session Timer T4** of account1. The default is 5.
[blf] path = /config/voip/ sipAccount0.cfg	SubscribePeriod	integer	It defines the value of **Subscribe Period** of account1. The default is 1800 (seconds).
	BLFList_URI	string	It defines the value of **BLFList URI** of account1. No default value and not used on 337ip.
[audio0] path = /config/voip/ sipAccount0.cfg	enable	0 or 1	It defines the activity of a specific codec. 0 means to disable the codec. 1 means to enable the codec.
	PayloadType	One of the following: PCMU PCMA G723_53 G723_63 G729 G722 G726-16 G726-24 G726-32 G726-40	It stands for a specific Codec type.
	priority	integer from 0 to 10	It stands for the priority of a specific enabled codec.
	rtpmap	integer	It defines the payload of the codec.

Section Header and Path	Parameters	Permitted Values	Descriptions
[audio1] path = /config/voip/ sipAccount0.cfg	The parameters and the Permitted values are the same as[audio0]. For each account there are totally 10 usable codecs and each one has a section in configuration files and so there are sections from [audio0] to [audio9] for each account.		
[audio2] path = /config/voip/ sipAccount0.cfg			
[audio3] path = /config/voip/ sipAccount0.cfg			
.....[audio9] path = /config/voip/ sipAccount0.cfg			
[account] path = /config/voip/ sipAccount1.cfg	For different models, there're different numbers of Account. For each Account, there are completely same parameters and they share same permitted values and default values. The difference is just on the path. For example, the path of Account1 is path = /config/voip/sipAccount0.cfg.While for Account2 is path = /config/voip/sipAccount1.cfg,and other sections alike. 337ip only has one account, so use only Account1 is path = /config/voip/sipAccount0.cfg		

Network Settings

Section Header and Path	Parameters	Permitted Values	Descriptions
[WAN] path = /config/ Network/ Network.cfg	WANType	0,1 or 2	It defines the type of **Internet Port (WAN)**. 0 stands for DHCP. 1 stands for PPPoE. 2 stands for Static IP Address. The default is 0.
	WANStaticIP	IP Address	It defines the **IP Address** when using static WAN settings. No default value.
	WANSubnetMask	Network Mask	It defines the **Subnet Mask** when using static WAN settings. No default value.
	WANDefaultGateway	IP Address	It defines the **Default Gateway** when using static WAN settings. No default value.
[DNS] path = /config/ Network/ Network.cfg	PrimaryDNS	IP Address	It defines the **Primary DNS** when using static WAN settings. No default value.
	SecondaryDNS	IP Address	It defines the **Secondary DNS** when using static WAN settings. No default value.
[PPPoE] path = /config/ Network/ Network.cfg	PPPoEUser	string	It defines the **User** name when using PPPoE WAN settings. No default value.
	PPPoEPWD	string	It defines the **Password** when using PPPoE WAN settings. No default value.

Section Header and Path	Parameters	Permitted Values	Descriptions
[LAN] path = /config/ Network/ Network.cfg	LANTYPE	0 or 1	It defines the type of **PC Port (LAN)**. 0 stands for **Rooter**. 1 stands for **Bridge**. The default is 1.
	RouterIP	IP Address	It defines the **IP Address** when the LAN is set as Rooter. The default is 10.0.0.1
	LANSubnetMask	Network Mask	It defines the **Subnet Mask** when the LAN is set as Rooter. The default is 255.255.255.0.
	EnableDHCP	0 or 1	It means whether to enable **DHCP** server when the LAN is set as Rooter. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	DHCPStartIP	IP Address	It defines the IP Address range the DHCP rooter will allocate. The default is from 10.0.0.10 to 10.0.0.100.
	DHCPEndIP	IP Address	
[VLAN] path = /config/ Network/ Network.cfg	ISVLAN	0 or 1	It defines the VLAN **Active** option of **LAN Port**. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	VID	integer from 0 to 4094	It defines the **VID** of **LAN Port**. The default is 0.
	USRPRIORITY	integer from 0 to 7	It defines the VLAN **USRPRIORITY** of **LAN Port**. The default is 0.
	PC_PORT_VLAN_ ENABLE	0 or 1	It defines the VLAN **Active** option of **PC Port**. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	PC_PORT_VID	integer from 0 to 4094	It defines the **VID** of **PC Port**. The default is 0.
	PC_PORT_PRIORITY	integer from 0 to 7	It defines the VLAN **USRPRIORITY** of **PC Port**. The default is 0.
[QOS] path = /config/ Network/ Network.cfg	RTPTOS	integer from 0 to 63	It defines the value of **Voice QoS**. The default is 40
	SIGNALTOS	integer from 0 to 63	It defines the value of **SIP QoS**. The default is 40

Section Header and Path	Parameters	Permitted Values	Descriptions
[RTPPORT] path = /config/ Network/ Network.cfg	MaxRTPPort	integer from 0 to 65535	It defines the **MaxRTPPort** of **Local RTP Port**. The default is 11800.
	MinRTPPort	integer from 0 to 65535	It defines the **MinRTPPort** of **Local RTP Port**. The default is 11780.
[SYSLOG] path = /config/ Network/ Network.cfg	SyslogdIP	IP Address	It defines the server where the syslog is supposed to be exported onto.

Time Settings

Section Header and Path	Parameters	Permitted Values	Descriptions
[Time] path = /config/ Setting/ Setting.cfg	TimeZone	Time Zone from -11 to +12	It defines the **Time Zone** you expect to use on the phone. The default is +8.
	TimeServer1	Domain name or IP Address	It defines the **Primary NTP Server**. The default is cn.pool.ntp.org.
	TimeServer2	Domain name or IP Address	It defines the **Secondary NTP Server**. The default is cn.pool.ntp.org.
	Interval	integer	It defines the **Update Interval** when using NTP Server. The default is 1000(seconds).
	SummerTime	0 or 1	It defines the activity of **Daylight Saving Time**. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	StartTime	MM/DD/HH	It defines the **StartTime** of Daylight Saving Time. The default is 1/1/0
	EndTime	MM/DD/HH	It defines the **EndTime** of Daylight Saving Time. The default is 12/31/23

Phone Settings

Section Header and Path	Parameters	Permitted Values	Descriptions
[Lang] path = /config/ Setting/Setting. cfg	WebLanguage	Language Name	It defines the **Language** used on the Webpage. The default is "English". The other Languages are: Turkish, Czech, Russian, Chinese_S depending on the firmware support.
	ActiveWebLanguage	String	Sets the phone GUI language. Allowed strings are: English, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Swedish, spanish.
[PhoneSetting] path = /config/ Setting/Setting. cfg	Contrast	1,2 or 3	It defines the **LCD Contrast**. The parameter depends on model types. SIP-T20 doesn't support it. The default is 2.
	FlashHookTimer	integer from 0 to 800	It defines the **Flash Hook Time**. The default is 1 (ms)
	InterDigitTime	integer	It defines the **Inter Digit Time**. The default is 4 (seconds).
	ProductName	string	It defines the **Product Name** which you can see via LCD interface. The default value for Yealink models are SIP-T28, SIP-T26, SIP-T22, SIP-T20 respectively.
[AlertInfo0] path = /config/ Setting/Setting. cfg	Text	string	It defines the first **Internal Ringer Text**. No default value.
	Ringer	integer	It defines the ringer for the first Internal Ringer Text. The ringer is defined by its order number. The default is 1.

Section Header and Path	Parameters	Permitted Values	Descriptions
[AlertInfo1] path = /config/Setting/Setting.cfg	They have same path and parameters as [AlertInfo0] and share the same Permitted Values and default values.		
[AlertInfo2] path = /config/Setting/Setting.cfg			
[AlertInfo3] path = /config/Setting/Setting.cfg			
[AlertInfo4] path = /config/Setting/Setting.cfg			
[AlertInfo5] path = /config/Setting/Setting.cfg			
[AlertInfo6] path = /config/Setting/Setting.cfg			
[AlertInfo7] path = /config/Setting/Setting.cfg			
[AlertInfo8] path = /config/Setting/Setting.cfg			
[AlertInfo9] path = /config/Setting/Setting.cfg			

Section Header and Path	Parameters	Permitted Values	Descriptions
[Forward] path = /config/ Features/ Forward.cfg	Type	0,1,2 or 3	It defines the type of **Forward**. 0 stands for **Cancel Forward**. 1 stands for **Always Forward**. 2 stands for **Busy Forward**. 3 stands for **No Answer Forward**. 4 stands for **Busy/No Answer Forward**. The default is 0.
	AlwaysForward	Phone number	It defines the number that the phone will **Always Forward to**. No default value.
	BusyForward	Phone number	It defines the number that the phone will **Busy Forward to**. No default value.
	NoAnswerForward	Phone number	It defines the number that the phone will **No Answer Forward to**. No default value.
	AfterRingTimes	5,10 or 15	It defines the time after which the call will be forwarded when using No Answer Forward. The default is 10(seconds).
	BusyNoAnswerForward	Phone number	It defines the number that the phone will Busy/**No Answer Forward to**. No default value.
	BusyNoAfterRingTimes	5,10 or 15	It defines the time after which the call will be forwarded when using **Busy/No Answer Forward**. The default is 10(seconds).
[Features] path = /config/ Features/Phone. cfg	Call_Waiting	0 or 1	It defines the activity of **Call Waiting**. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	Hotlinenumber	Phone number	It defines the **Hotline number**. No default value.
	BusyToneDelay	0,3 or 5	It defines **BusyToneDelay**, the Delay of Busy Tone which is played when the other party hangs up. The default is 0(seconds).

Section Header and Path	Parameters	Permitted Values	Descriptions
[PoundSend] path = /config/ Features/Phone. cfg	Enable	0,1 or 2	It defines the **Key As Send**. 0 stands for Disabled. 1 stands for # key. 2 stands for * key. The default is 1.
[AutoAnswer] path = /config/ Features/Phone. cfg	Enable	0 or 1	It defines the activity status of **Auto Answer**. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
[Emergency] path = /config/ Features/Phone. cfg	Num	Phone numbers separated by commas	It defines the **Emergency** numbers separated by commas. For example, it can be specified as:911,999,110,120 No default value.
[Profile] path = /config/ vpm.cfg	VAD	0 or 1	It defines the activity status of **VAD**. 0 stands for Disabled. 1 stands for Enabled. The default is 0.
	CNG	0 or 1	It defines the activity status of **CNG**. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	ECHO	0 or 1	It defines the activity status of **Echo canceller**. 0 stands for Disabled. 1 stands for Enabled. The default is 1.
	SIDE_TONE	-3 or -32768	It is an invisible setting which can only be configured via auto provision. -32768 stands for Disable Side tone. -3 stands for Enable Side tone. The default is -3.

Section Header and Path	Parameters	Permitted Values	Descriptions
[Jitter] path = /config/vpm.cfg	Adaptive	0 or 1	It defines the Type of Jitter Buffer. 0 stands for Fixed. 1 stands for Adaptive. The default is 1.
	Min	integer	It defines the value of **Min Delay**. The default is 0.
	Max	integer	It defines the value of **Max Delay**. The default is 300.
	Nominal	integer	It defines the value of **Normal Delay**. The default is 120.
[Message] path = /config/Features/Message.cfg	VoiceNumber0	string	It defines **Voice Mail** number of account1. No default value.
[Country] path = /config/voip/tone.ini	Country	string	It defines the country name that relates to its own tone rules. The valid values can be seen from the webpage, like : Australia, Austria, Brazil, Belgium, China, Czech, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Lithuania, India, Italy, Japan, Mexico, New Zealand, Netherlands, Norway, Portugal, Spain, Switzerland, Sweden, Russia and United States. It can be specified as Custom in which case the tone rules can be customized.

Section Header and Path	Parameters	Permitted Values	Descriptions
[Tone Param] path = /config/voip/tone.ini	dial	string	It defines the tone of **Dial** which will be active when the Country is chosen to be "Custom". The format of the string is like 100/200/300 which means it will be a tone of 100Hz with 200ms duration, followed by a 300ms pause and then repeat. 0 stands for silence. No default value.
	ring	string	It defines the tone of **Ring Back**. The format is the same as dial. No default value.
	busy	string	It defines the tone of **Busy**. The format is the same as dial. No default value.
	congestion	string	It defines the tone of **Congestion**. The format is the same as dial. No default value.
[Tone Param] path = /config/voip/tone.ini	callwaiting	string	It defines the tone of **Call Waiting**. The format is the same as dial. No default value.
	dialrecall	string	It defines the tone of **Dial Recall**. The format is the same as dial. No default value.
	record	string	It defines the tone of **Record**. The format is the same as dial. No default value.
	info	string	It defines the tone of **Info**. The format is the same as dial. No default value.
	stutter	string	It defines the tone of **Stutter**. The format is the same as dial. No default value.
	message	string	It defines the tone of **Message**. The format is the same as dial. No default value.
	autoanswer	string	It defines the tone of **Auto Answer**. The format is the same as dial. No default value.

Section Header and Path	Parameters	Permitted Values	Descriptions
[Default] path = /config/voip/tone.ini	dial	0 or 1	Enable/Disable the tone of **Dial** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled. The default is 1 and for all following.
	ring	0 or 1	Enable/Disable the tone of **Ring Back** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	busy	0 or 1	Enable/Disable the tone of **Busy** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.

Section Header and Path	Parameters	Permitted Values	Descriptions
[Default] path = /config/ voip/tone.ini	congestion	0 or 1	Enable/Disable the tone of **Congestion** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	callwaiting	0 or 1	Enable/Disable the tone of **Call Waiting** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	dialrecall	0 or 1	Enable/Disable the tone of **Dial Recall** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	record	0 or 1	Enable/Disable the tone of **Record** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	info	0 or 1	Enable/Disable the tone of **Info** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	stutter	0 or 1	Enable/Disable the tone of **Stutter** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	message	0 or 1	Enable/Disable the tone of **Message** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
	autoanswer	0 or 1	Enable/Disable the tone of **Auto Answer** when in Custom mode. 0 stands for Disabled. 1 stands for Enabled.
[AreaCode] path = /config/ DialRule/ areacode.cfg	Code	integer	It defines the **Code** of Area Code. No default value.
	minlen	integer	It defines the **Min Length** of Area Code. No default value.
	maxlen	integer	It defines the **Max Length** of Area Code. No default value.

Section Header and Path	Parameters	Permitted Values	Descriptions
[BlockOut] path = /config/DialRule/BlockOut.cfg	1	number or string	It defines a number which will be blocked when dialing it. Besides a specific number, it support some special characters: “.” stands for an arbitrary number or string with arbitrary length. “x” stands for one arbitrary number or string.
	2	number or string	They share the same Permitted Value and rules as **1**.
	3	number or string	
	4	number or string	
	5	number or string	
	6	number or string	
	7	number or string	
	8	number or string	
	9	number or string	
	10	number or string	

Security Settings

Section Header and Path	Parameters	Permitted Values	Descriptions
[AdminPassword] path = /config/Setting/autop.cfg	password	string	It defines the new password for **admin**.
[UserPassword] path = /config/Setting/autop.cfg	password	string	It defines the new password for **user**.

Sample files

Following is examples of two configuration files.

One for the common CFG file that has a fixed name for each model and one Phone-specific CFG file is named after a MAC address of a specific phone (001d29002794.cfg).

Common file

y000000000006.cfg

```
[ autop_mode ]
path = /config/Setting/autop.cfg
mode =
schedule_min =
schedule_time =
schedule_time_end =
schedule_dayofweek =

[ cutom_option ]
path = /config/Setting/autop.cfg
cutom_option_code0 =
cutom_option_type0 = 1

[ Time ]
path = /config/Setting/Setting.cfg
TimeZone = +1
TimeServer1 = europe.pool.ntp.org
TimeServer2 = pool.ntp.org
Interval = 3600
#Set daylight saving time.SummerTime 0 means disable,1 means enable
SummerTime = 1
StartTime = 3/31/02
EndTime = 10/31/02
TimeFormat = 1

[ autoprovision ]
path = /config/Setting/autop.cfg
server_address =
user =
password =

[ AES_KEY ]
path = /config/Setting/autop.cfg
aes_key_16 =
aes_key_16_mac =

[ firmware ]
path = /tmp/download.cfg
server_type = http
server_ip =
server_port =
login_name =
login_pswd =
http_url    = http://192.168.1.1/337ip/upgrade/
firmware_name = 10.0.0.76.rom
```

Phone Specific file

001d29002794.cfg

```
[ account ]
path = /config/voip/sipAccount0.cfg
Enable = 1
Label = 1234
DisplayName = 1234
AuthName = 1234
UserName = 1234
password = 1234
SIPServerHost = sip.ippbx.com
SIPServerPort = 5060
UseOutboundProxy = 0
OutboundHost =
OutboundPort = 5060
Transport = 0
BakOutboundHost =
BakOutboundPort = 5060
proxy-require =
AnonymousCall = 0
RejectAnonymousCall = 0
Expire = 3600
SIPListenPort = 5060
Enable 100Rel = 0
precondition = 0
SubsribeRegister = 0
SubsribeMWI = 0
CIDSource = 0
EnableSessionTimer = 0
SessionExpires =
SessionRefresher = 0
EnableUserEqualPhone = 0
srtp_encryption = 0
ptime = 0
ShareLine =
dialoginfo_callpickup =

[ DTMF ]
path = /config/voip/sipAccount0.cfg
DTMFInbandTransfer = 2
InfoType = 3
DTMFPayload = 101

[ NAT ]
path = /config/voip/sipAccount0.cfg
NATTraversal = 1
STUNServer = stun01.sipphone.com
STUNPort = 3478
EnableUDPUpdate = 1
UDPUpdateTime = 30
rport = 1
```

```
[ ADVANCED ]
path = /config/voip/sipAccount0.cfg
default_t1 = 0.5
default_t2 = 4
default_t4 = 5

[blf]
path = /config/voip/sipAccount0.cfg
SubscribePeriod = 1800
BLFList_URI =

[ audio0 ]
path = /config/voip/sipAccount0.cfg
enable = 1
PayloadType = PCMA
priority = 0
rtpmap =

[ audio1 ]
path = /config/voip/sipAccount0.cfg
enable = 1
PayloadType = G729
priority = 1
rtpmap =

[ WAN ]
path = /config/Network/Network.cfg
#WANType:0:DHCP,1:PPPoE,2:StaticIP
WANType = 0
WANStaticIP =
WANSubnetMask =
WANDefaultGateway =

[ DNS ]
path = /config/Network/Network.cfg
PrimaryDNS =
SecondaryDNS =

[ PPPoE ]
path = /config/Network/Network.cfg
PPPoEUser =
PPPoEPWD =

[ LAN ]
path = /config/Network/Network.cfg
#LANTYPE:0:Router, 1:Bridge
LANTYPE = 1
RouterIP = 10.0.0.1
LANSubnetMask = 255.255.255.0
EnableDHCP = 1
DHCPStartIP = 10.0.0.10
DHCPEndIP = 10.0.0.100
```

```
[ VLAN ]
path = /config/Network/Network.cfg
#ISVLAN,VID and USRPRIORITY are used for VLAN on LAN port
#PC_PORT_VLAN_ENABLE,PC_PORT_VID and PC_PORT_PRIORITY are used for PC port
ISVLAN = 0
VID = 0
USRPRIORITY = 0
PC_PORT_VLAN_ENABLE = 0
PC_PORT_VID = 0
PC_PORT_PRIORITY = 0

[ QOS ]
path = /config/Network/Network.cfg
SIGNALTOS = 40
RTPTOS = 40

[ RTPPORT ]
path = /config/Network/Network.cfg
MaxRTPPort = 11800
MinRTPPort = 11780

[ SYSLOG ]
path = /config/Network/Network.cfg
#specify the server for syslog storage
SyslogdIP =

[ Lang ]
path = /config/Setting/Setting.cfg
#WebLanguage is the setting of language on web management
WebLanguage =

[ PhoneSetting ]
path = /config/Setting/Setting.cfg
InterDigitTime = 4
FlashHookTimer = 1
ProductName =

[ AlertInfo0 ]
path = /config/Setting/Setting.cfg
Text =
Ringer =

[ AlertInfo1 ]
path = /config/Setting/Setting.cfg
Text =
Ringer =
```

```
[ Forward ]
path = /config/Features/Forward.cfg
Type = 0
AlwaysForward =
BusyForward =
NoAnswerForward =
AfterRingTimes = 10
Active = 0
BusyNoAnswerForward =
BusyNoAfterRingTimes = 10

[ Features ]
path = /config/Features/Phone.cfg
Call_Waiting = 1
Hotlinenumber =
BusyToneDelay =

[ PoundSend ]
path = /config/Features/Phone.cfg
#Set # key or * key as send. #:1 and *:2
Enable = 1

[ AutoAnswer ]
path = /config/Features/Phone.cfg
Enable = 0

[ Emergency ]
path = /config/Features/Phone.cfg
Num =

[ Profile ]
path = /config/vpm.cfg
VAD = 0
CNG = 1
ECHO = 1
SIDE_TONE = -3

[ Jitter ]
path = /config/vpm.cfg
Adaptive = 1
Min = 0
Max = 300
Nominal = 120

[ Message ]
path = /config/Features/Message.cfg
#Set voicemail number for each account
VoiceNumber0 =
VoiceNumber1 =
VoiceNumber2 =
VoiceNumber3 =
VoiceNumber4 =
VoiceNumber5 =
```

```
[ Country ]
path = /config/voip/tone.ini

#The tones are defined by countries.If Country = Custom,the customized values
will be used.
Country = France

[ Tone Param ]
path = /config/voip/tone.ini
dial =
ring =
busy =
congestion =
callwaiting =
dialrecall =
record =
info =
stutter =
message =
autoanswer =

[ Default ]
path = /config/voip/tone.ini
dial = 1
ring = 1
busy = 1
congestion = 1
callwaiting = 1
dialrecall = 1
record = 1
info = 1
stutter = 1
message = 1
autoanswer = 1

[ AreaCode ]
path = /config/DialRule/areacode.cfg
code =
minlen =
maxlen =

[ BlockOut ]
path = /config/DialRule/BlockOut.cfg
#Set Block Out number.
1 =
2 =
3 =
4 =
5 =
6 =
7 =
8 =
9 =
10 =
```

```
[ RemotePhoneBook0 ]
path = /config/Setting/Setting.cfg
URL =
Name =

[ RemotePhoneBook1 ]
path = /config/Setting/Setting.cfg
URL =
Name =

[ RemotePhoneBook2 ]
path = /config/Setting/Setting.cfg
URL =
Name =

[ RemotePhoneBook3 ]
path = /config/Setting/Setting.cfg
URL =
Name =

[ RemotePhoneBook4 ]
path = /config/Setting/Setting.cfg
URL =
Name =

[ Webserver Type ]
path = /config/Advanced/Advanced.cfg
WebType =
```

Warranty and other information

Declaration of conformity

Doro hereby declares that the product **Doro PhoneEasy 337ip** conform to the essential requirements and other regulations contained in the directives 1999/5/EC (R&TTE), 2002/95/EC (ROHS). A copy of the manufacturer's declaration is available at www.doro.com/dofc

Guarantee

If you experience any problems please contact the place of purchase. Proof of purchase is required for any service or support needed during the guarantee period. This guarantee will not apply to a fault caused by an accident or a similar incident or damage, liquid ingress, negligence, abnormal usage, non-maintenance or any other circumstances on the user's part. Furthermore, this guarantee will not apply to any fault caused by a thunderstorm or any other voltage fluctuations.As a matter of precaution, we recommend disconnecting the device during a thunderstorm.

Notice:

This document is subjected to change without notice. The latest electronic version of this user manual is available to download from the following location: http://www.doro.com.

English

Version 1.1

www.doro.com