

tiptel 31xx



tiptel

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1 Preface

1.1 Introduction

This SIP IP Phone Configuration Guide provides information on the configuration interface of the IP phones, Models 31xx.

1.2 Version of the configuration interface

Current version of this configuration interface: 1.00.001

1.3 Note

- all token and values are case sensitive
- all values UTF-8
- invalid characters for all values: any character from 0x00 to 0x1F
- passwords are stored encrypted. Do not change the encryption method in the `_Version` section when restoring a configuration that you have previously saved through the webinterface.
- parameter and groups are generally published in the same order as they stored in the configuration file of the phone
- `#` hash starts a commentary only at the beginning of a new line (1st column)
- do not add comments at the end of a line
- some parameter will take effect only after restarting the phone (reboot required)
- missing parameter in the configuration file are left unchanged
- non existing items or illegal values are ignored
- have a look at Service/Trace → Phonelog on configuration trouble (fg.log and cm.log)
- you can download the current version of the configuration file through the web interface

1.4 Legend

#n, #a, etc...	index, replace according to description
[Section]	Section name in a ini file
[Optional]	Optional parameter in value, e.g. f1[+f2]/t1_on[-t1_off]: f2 & t1_off are optional
<model>.cfg	phone type specific configuration
<mac>.cfg	mac specific configuration, according to the mac address of the phone
path/to/cfg	manue pathwalk to configuration site (Web UI and Phone IU)
→ param	name of configuration parameter in Web UI and Phone UI
Config: <i>blank</i>	user ressource file, e.g. Config: myRingtone.wav
System: <i>blank</i>	system ressource file, e.g. System: Alps.jpg

1.5 Abbreviations

API	Application Programming Interface
GUI	Graphic User Interface
MAC	Media Access Control
SIP	Session Initiation Protocol
UI	User Interface
URL	Uniform Resource Locator, in this document the same as URI
URI	Uniform Resource Identifier RFC's 1630, 3986
XML	eXtensible Markup Language

2 Configuration File Format

We use the INI-file format for configuration files (see Wikipedia for further information).

2.1 Notes

- sections with leading underscore in their name are for identification and managing configuration files. Some of these sections will only work with Autoprovisioning
- we support multiple key names in these sections, e.g. to establish file uploads
- keys within sections without leading underscore are handled as configuration values
- sections and keys can be arranged as desired. In case of duplicate keys, the last wins.

2.2 Inifile Version Header

The version header is used to identify the file and to acquire basic information of the data structure. The version header consists of the following elements:

Parameter — [_Version] Type	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Type of configuration file
Format	String
Default Value	inifile
Range	inifile: configuration in ini-file format
Note	mandatory
Example	[_Version] Type=inifile

Parameter — [_Version] Version	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Version number of the configuration interface (you can get the current version of the interface by saving configuration through the web interface)
Format	String
Default Value	1.00.000
Range	major.minor.revision [.build]
Note	mandatory
Example	[_Version] Version=1.0.0

Configuration File Format

Parameter — [_Version] PWDEncryption	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Method of password encryption
Format	Enum
Default Value	1
Range	0: not encrypted, 1: encryption method #1
Note	mandatory for configuration files containing passwords You may use encrypted passwords and plain passwords in the same file, e.g. webserver credentials encrypted (from a saved configuration) and SIP credentials in plain text. In this case set PWDEncryption to the same value as stored in the configuration file
Example	[_Version] PWDEncryption=1

Parameter — [_Version] SectionOffset	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	section offset for all parameter
Format	String
Default Value	
Range	
Note	optional, leave blank or do not set
Example	[_Version] SectionOffset=

Configuration File Format

Parameter — [_Version] Timestamp	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	timestamp for configuration file
Format	String
Default Value	N/A
Range	
Note	ignore, do not set
Example	N/A

3 Autoprovisioning

Autoprovisioning is a method to configure the phone in larger installations, using your own provisioning server. The provisioning server may create individual configuration files for each phone depending on the internal server rules and the IP-Adress or User Agent of the phone. Common files for all phones, e.g. ringtones, might be located on the provisionig server too.

The Autoprovisioning file is an extended configuration file (INI-file format).

3.1 Example

```
# *** version header for identification ***

[_Version]
Type=inifile
Version=1.00.001
PWDEncryption=1

# *** extended commands for Autoprovisioning ***

[_AutoAction]
FactoryReset=no
Reboot=no

[_AutoUpload]
Firmware=http://www.myServer.com/fw/newFirmware.com
Ringtone=ringring.wav

# *** normal configuration ***

[user/Webserver]
HttpPort=8080
```

3.2 AutoAction

The [_AutoAction] section provides the ability to control the behavior of the phone while proceeding Autoprovisioning.

Some of these commands can be executed via HTTP Push XML or HTTP Remote Action-URL too, see *XML-User Guide* on our download area.

Parameter — [_AutoAction] Reboot	Web UI Service/Upgrade → Reboot Phone UI Status → Restart Configuration Files <model>.cfg, <mac>.cfg
Description	determine the reboot behavior after proceeding the Autoprovisioning file
Format	String Enum
Default Value	no
Range	no, IfRequired, OnCfgChanged, yes no : no reboot even if some changes requires reboot IfRequired : reboot if required by configuration OnCfgChanged : reboot if configuration changed yes : reboot unconditional
Note	optional in some case the phone will reboot every time regardless of this setting, e.g. firmware update
Example	[_AutoAction] Reboot=no

Autoprovisioning / AutoAction

Parameter — [_AutoAction] FactoryReset	Web UI Service/Upgrade → Factory reset Phone UI Status → Restore to Factory Default Configuration Files <model>.cfg, <mac>.cfg
Description	perform factory reset Factory Reset by Autoprovisioning deletes configuration and user files. In contrast Factory Reset through web or by phone will format the internal configuration flash partition
Format	String Enum
Default Value	no
Range	no, Complete, CfgOnly no : no factory reset before proceeding configuration file Complete : delete configuration including user resources as background images, user ringtones CfgOnly : configuration only
Note	optional the phone reboots automatically on factory reset after proceeding the Autoprovisioning file
Example	[_AutoAction] FactoryReset=no

3.3 AutoUpload

The [_AutoUpload] section provides the ability to load more resources into the phone while executing the Autoprovisioning file. You can upload resource files as ringtones, images or you can update the firmware. The following restrictions apply for uploads:

3.3.1 Restrictions

There are following restrictions apply for uploads:

resource	ext	format	limit	max. file size	note
Firmware		proprietary	1 file per Autoprovisioning file	handled by firmware, depends on the size of the internal flash	
Internal Phone Book		xml	1000 entries	500k	
Contact images	jpg, jpeg, png	jpg, png	2M folder size, max 100 images	20k max resolution 480*272 *1)	
Background images	jpg, jpeg, png	jpg, png	2M folder size, max 20 images	200k max resolution 480*272 *1)	
Ringtones	wav	16-bit, 8KHz, mono, G.711 A-law	500k folder size, max 20 ringtones	50k	
Display language file	csv	csv	500k / max 10 languages	50k	
Web language files	csv	csv	1M / max 10 languages	100k	
Client certificates	crt, pem, cer	crt, pem, cer	500k folder size / max 100 certificates	5k	
Softkeys XMLConf	xml	see xml user guide	1 file	500k	V3.0
License Keys		ini	1 file per Autoprovisioning file	depends on the internal memory	V3.0

*1) The current firmware doesn't check the resolution of a background image on upload. If you chose an image with higher resolution the display will show a white background.

3.3.2 Upload Resource

Here you can upload resource files during Autoprovisioning. All uploads are executed **after** proceeding new configuration.

Please note that the instructions in this section are not executed if the autoprovisioning file has not changed. Thus, it is not checked whether a resource has changed, to be loaded with one of the following commands.

3.3.2.1 Firmware

Parameter — [_AutoUpload] Firmware	Web UI Service/Upgrade → Firmware Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new firmware
Format	URL
Default Value	
Range	
Note	optional Do not turn power off while updating the phone! After firmware update the phone will reboot every time regardless of other settings
Example	[_AutoUpload] Firmware=http://www.myServer.com/fw/newFirmware.rom

3.3.2.2 Internal XML Phone Book

Parameter — [_AutoUpload] XMLContacts	Web UI Contacts/Contacts → Import Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new internal phonebook (XML Format)
Format	URL
Default Value	
Range	
Note	optional see Tip_xml_api.pdf on our download area for further information or download the current version of the internal phonebook through the web interface Please use the settings for the external telephone register, if you want to synchronize regularly, see chapter 5.5.12.3 Settings for external XML telephone register
Example	[_AutoUpload] XMLContacts=http://www.myServer.com/newContacts.xml

3.3.2.3 Background Images

Parameter — [_AutoUpload] BackGroundImage	Web UI Phone/Preferences → Load background image Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new background image
Format	URL
Default Value	
Range	Supported extensions: jpg, png
Note	optional, multiple use allowed (up to 20 times)
Example	[_AutoUpload] BackGroundImage=http://www.myServer.com/myGrandma.jpg BackGroundImage=http://www.myServer.com/myGrandfather.jpg

Parameter — [_AutoUpload] BackGroundImage.delete	Web UI Phone/Preferences → Delete background image Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	delete the specified background image or all background images
Format	Filename
Default Value	
Range	Filename or *
Note	optional, multiple use allowed (up to 20 times)
Example	[_AutoUpload] BackGroundImage.delete=myGrandma.jpg BackGroundImage.delete=myGrandfather.jpg or BackGroundImage.delete=*

3.3.2.4 Client Certificates (V3.1 or later)

Parameter — [_AutoUpload] ClientCert	Web UI	Security/Client Certs → Import Client Certificate
	Phone UI	N/A
	Configuration Files	<model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Set the URL to upload new certificate	
Format	URL	
Default Value		
Range	Supported extensions: crt, pem, cer	
Note	optional, 1 file allowed	
Example	[_AutoUpload] ClientCert=http://www.myServer.com/cert.pem	

Parameter — [_AutoUpload] ClientCert.delete	Web UI	Security/Client Certs → Delete
	Phone UI	N/A
	Configuration Files	<model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	delete the specified certificate	
Format	*	
Default Value		
Range	*	
Note	optional	
Example	[_AutoUpload] ClientCert.delete=*	

3.3.2.5 Contact Images

Parameter — [_AutoUpload] ContactImage	Web UI Contacts/Contact Images → Upload contact image Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new contact image
Format	URL
Default Value	
Range	Supported extensions: jpg, png
Note	optional, multiple use allowed (up to 100 times)
Example	[_AutoUpload] ContactImage=http://www.myServer.com/myGrandma.jpg ContactImage=http://www.myServer.com/myGrandfather.jpg

Parameter — [_AutoUpload] ContactImage.delete	Web UI Contacts/Contact Images → Delete image Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	delete the specified contact image or all contact images
Format	Filename
Default Value	
Range	Filename or *
Note	optional, multiple use allowed (up to 100 times)
Example	[_AutoUpload] ContactImage.delete=myGrandma.jpg ContactImage.delete=myGrandfather.jpg or ContactImage.delete=*

3.3.2.6 Display Language

Parameter — [_AutoUpload] CSVDisplayLanguage	Web UI Phone/Service/Upgrade → Load display language file Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new language file
Format	URL
Default Value	
Range	
Note	optional, multiple use allowed (up to 10 times) you can acquire an example from our download area for further information
Example	[_AutoUpload] CSVDisplayLanguage=http://www.myServer.com/language.en

Parameter — [_AutoUpload] CSVDisplayLanguage.delete	Web UI Phone/Service/Upgrade → Delete display language file Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	delete the specified display language file or alldisplay language files
Format	Filename
Default Value	
Range	Filename or *
Note	optional, multiple use allowed (up to 10 times)
Example	[_AutoUpload] CSVDisplayLanguage.delete=language.en or CSVDisplayLanguage.delete=*

3.3.2.7 Web Language

Parameter — [_AutoUpload] CSVWebLanguage	Web UI Phone/Service/Upgrade → Load web language file Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new language file
Format	URL
Default Value	
Range	
Note	optional, multiple use allowed (up to 10 times) you can acquire an example from our download area for further information
Example	[_AutoUpload] CSVWebLanguage=http://www.myServer.com/language.en

Parameter — [_AutoUpload] CSVWebLanguage.delete	Web UI Phone/Service/Upgrade → Delete web language file Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	delete the specified web language file or web language files
Format	Filename
Default Value	
Range	Filename or *
Note	optional, multiple use allowed (up to 10 times)
Example	[_AutoUpload] CSVWebLanguage.delete=language.en or CSVWebLanguage.delete=*

3.3.2.8 Ringtones

Parameter — [_AutoUpload] Ringtone	Web UI Phone/Ring → Upload ringtone Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new ringtone
Format	URL
Default Value	
Range	Supported extensions: wav
Note	optional, multiple use allowed (up to 20 times)
Example	[_AutoUpload] Ringtone=http://www.myServer.com/ringring.wav

Parameter — [_AutoUpload] Ringtone.delete	Web UI Phone/Ring → Delete ringtone Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	delete the specified ringtone or all ringtones
Format	Filename
Default Value	
Range	Filename or *
Note	optional, multiple use allowed (up to 20 times)
Example	[_AutoUpload] Ringtone.delete=ringring.wav or Ringtone.delete=*

3.3.2.9 Trusted Certificates

Parameter — [_AutoUpload] TrustedCert	Web UI Security/Trusted Certs → Import Trusted Certificate Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload new certificate
Format	URL
Default Value	
Range	Supported extensions: crt, pem, cer
Note	optional, multiple use allowed (up to 100 times)
Example	[_AutoUpload] TrustedCert=http://www.myServer.com/cert.pem

Parameter — [_AutoUpload] TrustedCert.delete	Web UI Security/Trusted Certs → Delete Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	delete the specified certificate
Format	Filename
Default Value	
Range	Filename or *
Note	optional, multiple use allowed (up to 100 times)
Example	[_AutoUpload] TrustedCert.delete=cert.pem or TrustedCert.delete=*

3.3.2.10 Softkeys XML Configuration (V3.0 or later)

Parameter — [_AutoUpload] SoftkeysXMLConf	Web UI Phone UI Configuration Files	Phone/Service/Upgrade → Load web language file N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later	
Description	Set the URL to upload new softkey configuration file	
Format	URL	
Default Value		
Range		
Note	optional see Tip_xml_api.pdf on our download area for further information	
Example	[_AutoUpload] SoftkeysXMLConf=http://www.myServer.com/mySoftkeys.xml	

Parameter — [_AutoUpload] SoftkeysXMLConf.delete	Web UI Phone UI Configuration Files	Phone/Service/Upgrade → Delete web language file N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later	
Description	delete the specified softkey file or softkey files	
Format	Filename	
Default Value		
Range	Filename or *	
Note	optional	
Example	[_AutoUpload] SoftkeysXMLConf.delete=softkeys.xml (fix internal filename) or SoftkeysXMLConf.delete=*	

3.3.2.11 Licensing (V3.0 or later)

Parameter — [_AutoUpload] LicenseKeys	Web UI Service/Licensing → Import License Key Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later
Description	Upload license keys to unlock optional features
Format	URL
Default Value	
Range	ini file format: [_Licensing] <i>MAC=KEY</i> MAC: 12-digit MAC address of the phone KEY: purchased key non corresponding MACs will be ignored
Note	optional
Example	[_AutoUpload] LicenseKeys=http://www.myServer.com/licenses.ini

3.3.2.11.1 Example

```
# *** version header for identification ***

[_Version]
Type=inifile
Version=1.00.000

# *** import licenses (only corresponding macs will take effect) ***

[_Licensing]
000CC4300100=purchased_license_key_for_mac
000CC4300101=purchased_license_key_for_mac
000CC4300102=purchased_license_key_for_mac
000CC4300103=purchased_license_key_for_mac
```


3.3.2.12 VPN (V3.1 or later)

Parameter — [_AutoUpload] VPNConfiguration	Web UI Network/Advanced → Upload configuration Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.1 or later
Description	Upload VPN Configuration
Format	URL
Default Value	
Range	tar file, see Web / Wiki for further information
Note	optional
Example	[_AutoUpload] VPNConfiguration=http://www.myServer.com/cfg.tar

Parameter — [_AutoUpload] VPNConfiguration.delete	Web UI Network/Advanced → Upload configuration Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.1 or later
Description	delete VPN configuration
Format	*
Default Value	
Range	*
Note	optional
Example	[_AutoUpload] VPNConfiguration.delete=*

3.3.2.13 Access Control File

Parameter — [_AutoUpload] AccessControl	Web UI Phone/Ring → Upload ringtone Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Set the URL to upload an access control file
Format	URL
Default Value	
Range	ini file format, same as configuration (including header)
Note	optional see Access Control File for further information
Example	[_AutoUpload] AccessControl=http://www.myServer.com/acctl.ini

3.3.2.13.1 Example

```
# *** version header for identification ***

[_Version]
Type=inifile
Version=1.00.000

# ** Webservice settings visible for all user      **
# ** configuration requires admin or higher level **

[user/Webservice]
HttpPort_perm=01
HttpsPort_perm=01
WebType_perm=01

# ** access to Service/Upgrade requires admin or higher level **

[acctl/WebPageAccess]
service-upgrade_perm=1
```

See chapter “Access control“ on page 27 for further information.

3.4 Access control

You can set the access level for configuration settings and certain web pages. We have 3 different access authorities:

for web, push xml and provisioning:

- **user**: the user of the phone
- **admin**: the administrator of the local installation, e.g. the network administrator
- **provider**: the administrator of the SIP-PBX

for phone gui

- **phone**: same as user

Note: Setting changes by phone are executed with the access authorization "phone", regardless of whether they are password protected or not.

Access level can only be set within <model>.cfg and <mac>.cfg via Autoprovisioning

3.4.1 Set the access level

Access level can be set for visibility and write access.

The access level consists of one or two digits. The first digit stands for visibility and the optional second digit for write access. If only one digit is specified access level for visibility and write are set to the same value. Please note that settings with access level for write less than for visibility are ignored.

0..2[1..2]

1st digit: access level for visibility

2nd digit: access level for write access (optional).

The second digit sets the write access to a higher level than read

Each digit indicates the following:

0: all user

1: admin & provider only

2: provider only

3.4.2 Valid access level values

item=0 – the item is configurable for all user

item=1 – the item is configurable for admin & provider

item=2 – the item is configurable for provider

item=01 – the item is visible for all user and configurable for admin & provider

item=02 – the item is visible for all user and configurable for provider

item=12 – the item is visible for admin & provider and configurable for provider

3.4.3 Set the access level for configuration items (V2.0 or later)

Access level can be set for visibility and write access. Setting the access level will take effect on the internal database, the web interface and the phone gui.

On web pages most configuration settings are stored in tables. On restricted visibility the complete line disappears or the item is disabled by javascript according to the access level. Please note that other parameters are also hidden when they are in the same line.

For most of the configuration use the same path as in the configuration file. Just append „_perm“ to the key name.

3.4.4 Examples:

AlwaysFWD

Parameter — [user/AlwaysFWD] Target_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V2.0 or later
Description	Set the access Level for CFU target
Format	Enum
Default Value	0
Range	0..2[1..2] 1st digit: access level for visibility 2 nd digit: access level for write access (optional) 0: all user 1: admin & provider 2: provider only
Note	
Example	[user/AlwaysFWD] Target_perm=0 – parameter is configurable for all user [user/AlwaysFWD] Target_perm=01 – parameter is configurable for admin & provider, but visible for all user

3.4.5 Set the access level for GUI Language

Parameter — [user/Lang] Language_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V2.0 or later
Description	Set the access Level for GUI Langage
Format	Enum
Default Value	0
Range	0..2[1..2] 1st digit: access level for visibility 2 nd digit: access level for write access (optional) 0 : all user 1 : admin & provider 2 : provider only
Note	
Example	[user/Lang] Language_perm=1 – parameter is configurable for admin & provider [user/Lang] Language_perm=12 – parameter is configurable for provider, but visible for admin too

3.4.6 Setting access level for SIP Codec Selection

In contrast to the entire configuration, we have a special key to provide access level for SIP codecs

Parameter — [SIP/sipAccount#a/audioX] ChangeCodec_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
#a account 0 .. 7	#a account 1 .. 8
Version	V2.0 or later
Description	Set the access Level for Codec Selection
Format	Enum
Default Value	0
Range	0..2[1..2] 1st digit: access level for visibility 2 nd digit: access level for write access (optional) 0: all user 1: admin & provider 2: provider only
Note	
Example	[SIP/sipAccount0/audioX] ChangeCodec_perm=02

3.4.7 Set the access level for web pages

Access level can be set for visibility only. Optional settings for write access will not take effect.

Important note: You can not use the web page access level to control write access. This setting provides only weak security because it has no effect on the interna database or the phone gui.

Parameter — [acctl/WebPageAccess] account-advanced_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Account/Advanced
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] account-advanced_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] account-basic_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Account/Basic
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] account-basic_perm=0

Parameter — [acctl/WebPageAccess] account-codec_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Account/Codec
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] account-codec_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] account-global_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Account/Global
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] account-global_perm=0

Parameter — [acctl/WebPageAccess] contacts-basic_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Contacts/Contacts
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] contacts-basic_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] contacts-calldetails_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Contacts/Call Details
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] contacts-calldetails_perm=0

Parameter — [acctl/WebPageAccess] contacts-images_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V2.0 or later
Description	Set the acces level for Contacts/Contact Images
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] contacts-images_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] contacts-ldap_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Contacts/LDAP
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	V2.0 or later
Example	[acctl/WebPageAccess] contacts-ldap_perm=0

Parameter — [acctl/WebPageAccess] contacts-remote_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Contacts/Remote Phone Book
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] contacts-remote_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] info-sitemap_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Sitemap
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] info-sitemap_perm=0

Parameter — [acctl/WebPageAccess] keys-controlkeys_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Keys/Control Keys
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] keys-controlkeys_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] keys-dsskeys_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Keys/DSS Key
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] keys-dsskeys_perm=0

Parameter — [acctl/WebPageAccess] keys-extkeys_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Keys/Ext Key
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] keys-extkeys_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] keys-printkeys_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Keys/Label
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] keys-printkeys_perm=0

Parameter — [acctl/WebPageAccess] keys-selectkeys_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Keys/Selection Keys
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] keys-selectkeys_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] network-advanced_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Network/Advanced
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] network-advanced_perm=0

Parameter — [acctl/WebPageAccess] network-basic_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Network/Basic
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] network-basic_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] phone-callforward_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Call forwarding
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-callforward_perm=0

Parameter — [acctl/WebPageAccess] phone-dect_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Dect
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-dect_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] phone-door_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V3.1 or later
Description	Set the acces level for Phone/Door station
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-door_perm=0

Parameter — [acctl/WebPageAccess] phone-features_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Features
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-features_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] phone-pbx_sync_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/PBX-Sync
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-pbx_sync_perm=0

Parameter — [acctl/WebPageAccess] phone-preferences_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Preferences
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-preferences_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] phone-ring_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Ring
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-ring_perm=0

Parameter — [acctl/WebPageAccess] phone-time_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Time
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-time_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] phone-tones_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Tones
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-tones_perm=0

Parameter — [acctl/WebPageAccess] phone-voice_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Phone/Voice
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] phone-voice_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] security-passwd_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Security/Password
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] security-passwd_perm=0

Parameter — [acctl/WebPageAccess] security-remote_srv_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Security/Remote Server
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] security-remote_srv_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] security-trusted_certs_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Security/Trusted Certs
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] security-trusted_certs_perm=0

Parameter — [acctl/WebPageAccess] service-autoprovisioning_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Service/Autoprovisioning
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] service-autoprovisioning_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] service-trace_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Service/Trace
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] service-trace_perm=0

Parameter — [acctl/WebPageAccess] service-upgrade_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Description	Set the acces level for Service/Upgrade
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] service-upgrade_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] vm-alertinfo_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V3.0 or later (license required)
Description	Set the acces level for Phone Voicemail/Alter-Info
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] vm-alertinfo_perm=0

Parameter — [acctl/WebPageAccess] vm-basic_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V3.0 or later (license required)
Description	Set the acces level for Phone Voicemail/Settings
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] vm-basic_perm=0

Autoprovisioning / Access control

Parameter — [acctl/WebPageAccess] vm-ogm_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V3.0 or later (license required)
Description	Set the acces level for Phone Voicemail/Outgoing Messages
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] vm-ogm_perm=0

Parameter — [acctl/WebPageAccess] vm-recordings_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	V3.0 or later (license required)
Description	Set the acces level for Phone Voicemail/Recordings
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/WebPageAccess] vm-recordings_perm=0

3.4.8 Set the access level for maintenance (prospective)

Access level can be set for visibility only. So one digit stands for visibility and permission to change. Optional settings for write access will not take effect.

Parameter — [acctl/Maintenance] PCAP-Trace_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for PCAP trace
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/Maintenance] PCAP-Trace_perm=0

Autoprovisioning / Access control

Parameter — [acctl/Maintenance] SIP-Trace_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for SIP trace
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/Maintenance] SIP-Trace_perm=0

Parameter — [acctl/Maintenance] SetTimeDate_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for setting time and date
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/Maintenance] SetTimeDate_perm=0

Autoprovisioning / Access control

Parameter — [acctl/Maintenance] FactoryReset_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for factory reset
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/Maintenance] FactoryReset_perm=0

3.4.9 Set the access level for resource files (prospective)

Access level can be set for visibility only. So one digit stands for visibility and permission to change (upload or delete). Optional settings for write access will not take effect.

Parameter — [acctl/ResourceFiles] BackgroundImages_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload or delete background images
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] BackgroundImages_perm=0

Parameter — [acctl/ResourceFiles] ClientCerts_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload or delete client certificates
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] ClientCerts_perm=0

Autoprovisioning / Access control

Parameter — [acctl/ResourceFiles] ContactImages_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload or delete contact images
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] ContactImages_perm=0

Parameter — [acctl/ResourceFiles] DisplayLanguageFiles_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload or delete display language files
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] DisplayLanguageFiles_perm=0

Autoprovisioning / Access control

Parameter — [acctl/ResourceFiles] FirmwareUpdate_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload firmware
Format	Enum
Default Value	0
Range	0..2TrustedCerts 0 : all user 1 : admin & provider 2 : provider only
Note	
Example	[acctl/ResourceFiles] FirmwareUpdate_perm=0

Parameter — [acctl/ResourceFiles] InternalPhoneBook_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for edit, upload or delete the internal phone book
Format	Enum
Default Value	0
Range	0..2 0 : all user 1 : admin & provider 2 : provider only
Note	
Example	[acctl/ResourceFiles] InternalPhoneBook_perm=0

Autoprovisioning / Access control

Parameter — [acctl/ResourceFiles] Ringtones_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload or delete ringtones
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] Ringtones_perm=0

Parameter — [acctl/ResourceFiles] TrustedCerts_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user (V3.1 or later)
Description	Set the acces level for upload or delete trusted certificates
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] TrustedCerts_perm=0

Autoprovisioning / Access control

Parameter — [acctl/ResourceFiles] WebLanguageFiles_perm	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg, <i>AccessControl.cfg</i>
Version	for future user
Description	Set the acces level for upload or delete web language files
Format	Enum
Default Value	0
Range	0..2 0: all user 1: admin & provider 2: provider only
Note	
Example	[acctl/ResourceFiles] WebLanguageFiles_perm=0

3.5 License Keys (V3.0 or later)

The [_Licensing] section provides the ability upload license keys while proceeding Autoprovisioning. You can upload license keys to unlock optional features.

Parameter — [_Licensing] #MAC	Web UI Phone UI Configuration Files	Service/Licensing → Import License Key N/A <model>.cfg, <mac>.cfg
#MAC mac address		
Version	V3.0 or later	
Description	License key	
Format	String	
Default Value		
Range	License key	
Note	non corresponding MACs will be ignored	
Example	[_Licensing] 000CC4300100= <i>purchased_license_key_for_mac</i> 000CC4300101= <i>purchased_license_key_for_mac</i> 000CC4300102= <i>purchased_license_key_for_mac</i> 000CC4300103= <i>purchased_license_key_for_mac</i>	

4 Additional Features

Since Version 3.0 you can unlock the following features by purchasing a license key for your phone:

Feature	Requirements	min. Version	Info
Internal Voicemail	SD Card	3.0	
G729		3.1	restart required after license installed

5 Configuration

You can download the configuration file by the web-interface (Service/Update). The meaning of the configuration values are described in this section

5.1 SIP Accounts

Your phone can handle up to 8 SIP accounts

Parameter — [SIP/sipAccount#a/DTMF] DTMFInbandTransfer #a account 0 .. 7	Web UI Account/Advanced → Account #a DTMF type Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	DTMF transmission
Format	Enum
Default Value	2
Range	0 to 2 0 :Inband 1 :RFC2833 2 :SIP Info
Note	
Example	[SIP/sipAccount0/DTMF] DTMFInbandTransfer=2

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/DTMF] DTMFPayload	Web UI Account/Advanced → Account #a DTMF payload Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP payload format for DTMF
Format	Integer
Default Value	101
Range	min=96, max=127 except 111, 120, 122,
Note	
Example	[SIP/sipAccount0/DTMF] DTMFPayload=101

Parameter — [SIP/sipAccount#a/NAT] EnableUDPUpdate	Web UI Account/Advanced → Account #a UDP keep-alive message Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Keep alive SIP message
Format	Bool
Default Value	1
Range	0 or 1
Note	
Example	[SIP/sipAccount0/NAT] EnableUDPUpdate=1

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/NAT] UDPUpdateTime	Web UI Account/Advanced → Account #a UDP keep-alive interval Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Keep alive SIP message time interval
Format	Integer
Default Value	30
Range	min=15, max=3600 sec
Note	
Example	[SIP/sipAccount0/NAT] UDPUpdateTime=30

Parameter — [SIP/sipAccount#a/account] AuthName	Web UI Account/Basic → Account #a Register name Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Registration name
Format	String
Default Value	
Range	up to 100 character except: " : < > @ (up to V2.0.249) up to 100 character (as from V2.0.250)
Note	
Example	[SIP/sipAccount0/account] AuthName=

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] CLIR	Web UI Account/Advanced → Account #a CLIR Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	CLIR (anonymous calls)
Format	Bool
Default Value	0
Range	0 or 1
Note	Only if supported by your PABX
Example	[SIP/sipAccount0/account] CLIR=0

Parameter — [SIP/sipAccount#a/account] DisplayName	Web UI Account/Basic → Account #a Display name Phone UI Advanced Settings/Account #a → Displayname Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Displayed name at the other end of connection
Format	String
Default Value	
Range	up to 100 character except: " : < > @
Note	
Example	[SIP/sipAccount0/account] DisplayName=

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] Enable #a account 0 .. 7	Web UI Account/Basic → Account #a Active Phone UI Advanced Settings/Account #a → Account active Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Enable account
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] Enable=0

Parameter — [SIP/sipAccount#a/account] Enable100Rel #a account 0 .. 7	Web UI Account/Advanced → Account #a PRACK Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Provisional Response Acknowledgement (PRACK)
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] Enable100Rel=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] EnableSessionTimer #a account 0 .. 7	Web UI Account/Advanced → Account #a Use session timer Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Enables connection test
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] EnableSessionTimer=0

Parameter — [SIP/sipAccount#a/account] Expire #a account 0 .. 7	Web UI Account/Advanced → Account #a Login expire Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Registration expires
Format	Integer
Default Value	3600
Range	min=60, max=86400 sec
Note	
Example	[SIP/sipAccount0/account] Expire=3600

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] IgnoreGlobalCFx #a account 0 .. 7	Web UI Account/Advanced → Account #a Ignore call forwarding Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Ignore global call forwarding settings for account
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] IgnoreGlobalCFx=0

Parameter — [SIP/sipAccount#a/account] Label #a account 0 .. 7	Web UI Account/Basic → Account #a Label Phone UI Advanced Settings/Account #a → Label Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Text displayed on your phone
Format	String
Default Value	(empty)
Range	up to 100 character except: " : < > @ (up to V2.0.249) up to 100 character (as from V2.0.250)
Note	
Example	[SIP/sipAccount0/account] Label=(empty)

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] OutboundHost #a account 0 .. 7	Web UI Account/Basic → Account #a Outbound Proxy Server Phone UI Advanced Settings/Account #a → Outbound Proxy Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Outbound Proxy server address
Format	Blank value OR IP4 OR Domain name
Default Value	
Range	
Note	
Example	[SIP/sipAccount0/account] OutboundHost=

Parameter — [SIP/sipAccount#a/account] OutboundPort #a account 0 .. 7	Web UI Account/Basic → Account #a (Outbound Proxy Server) Port Phone UI Advanced Settings/Account #a → Outbound Proxy Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Outbound Proxy server port
Format	Integer
Default Value	5060
Range	min=1, max=65536 or blank
Note	
Example	[SIP/sipAccount0/account] OutboundPort=5060

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] PublishPresence #a account 0 .. 7	Web UI Account/Advanced → Account #a Publish Presence Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Subscribe phone status to another phone or PABX
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] PublishPresence=0

Parameter — [SIP/sipAccount#a/account] ReregisterMethod #a account 0 .. 7	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Contact-Update Method
Format	Enum
Default Value	1
Range	1 to 2 1: legacy (2 messages) 2: compact (1 message)
Note	
Example	[SIP/sipAccount0/account] ReregisterMethod=1

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] RegisterUseProxy #a account 0 .. 7	Web UI Account/Basic → Account #a Register use Proxy Server Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Send registration to outbound proxy
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] RegisterUseProxy=0

Parameter — [SIP/sipAccount#a/account] ReregisterOnNewWANIP #a account 0 .. 7	Web UI Account/Advanced → Account #a Re-register on new WAN-IP Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Enables connections to telephone systems via NAT
Format	Bool, V3.1: Enum
Default Value	1
Range	0 or 1 Network configuration NAT required V3.1: 0: disabled, 1:STUN, 2: VPN
Note	
Example	[SIP/sipAccount0/account] ReregisterOnNewWANIP=1

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] Ringer	Web UI Account/Advanced → Account #a → Ringtone Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Version	2.0 or later
Description	System or Config path of the ringtone
Format	File Path
Default Value	
Range	Blank value OR <System:blank OR Config:blank> AND FILENAME (case sensitive), UTF-8 or 0x20 <= character <= 0x7F except / e.g. System: 1 Phone Bright.wav
Note	see Web / Wiki for order of priority of ringtones on incomming setup leave blank for default
Example	[SIP/sipAccount#a/account] Ringer=System: 1 Phone Bright.wav

Parameter — [SIP/sipAccount#a/account] SIPServerHost	Web UI Account/Basic → Account #a SIP server Phone UI Advanced Settings/Account #a → SIP-Server Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	SIP server address
Format	IP4 OR Domain name
Default Value	
Range	
Note	
Example	[SIP/sipAccount0/account] SIPServerHost=

Parameter — [SIP/sipAccount#a/account] SIPServerPort #a account 0 .. 7	Web UI Account/Basic → Account #a (SIP server) Port Phone UI Advanced Settings/Account #a → SIP-Server Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	SIP server port
Format	Integer
Default Value	
Range	min=1, max=65536 or blank
Note	
Example	[SIP/sipAccount0/account] SIPServerPort=

Parameter — [SIP/sipAccount#a/account] SIPServerHostBack #a account 0 .. 7	Web UI Account/Basic → Account #a Fallback SIP server Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Fallback SIP server address
Format	IP4 OR Domain name
Default Value	
Range	
Note	
Example	[SIP/sipAccount0/account] SIPServerHost=

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] SIPServerPortBack	Web UI Phone UI Configuration Files	Account/Basic → Account #a (Fallback SIP server) Port N/A <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8	
Description	Fallback SIP server port	
Format	Integer	
Default Value		
Range	min=1, max=65536 or blank	
Note		
Example	[SIP/sipAccount0/account] SIPServerPort=	

Parameter — [SIP/sipAccount#a/account] SIPServerRealm	Web UI Phone UI Configuration Files	Account/Basic → Account #a SIP server realm N/A <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8	
Description	Additional name for authentication, if required	
Format	Blank value OR String	
Default Value	*	
Range	up to 100 character except: " : < > @ *: any, empty: same as SIP server host	
Note		
Example	[SIP/sipAccount0/account] SIPServerRealm=*	

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] SessionExpires	Web UI Account/Advanced → Account #a Session timer Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Connection test time interval
Format	Integer
Default Value	1800
Range	min=90, max=86400 sec
Note	
Example	[SIP/sipAccount0/account] SessionExpires=1800

Parameter — [SIP/sipAccount#a/account] SubscribeMWIExp	Web UI Account/Advanced → Account #a MWI subscription period Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7ire	#a account 1 .. 8
Description	MWI subscription expires
Format	Integer
Default Value	3600
Range	min=300, max=86400 sec
Note	
Example	[SIP/sipAccount0/account] SubscribeMWIExpire=3600

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] SubscribeMWIToV	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7M	#a account 1 .. 8
Description	Querying of your external answering machine
Format	Bool
Default Value	0
Range	0 or 1
Note	for future use
Example	[SIP/sipAccount0/account] SubscribeMWIToVM=0

Parameter — [SIP/sipAccount#a/account] SubscribeMWI	Web UI Account/Advanced → Account #a Subscribe MWI Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Querying of your external answering machine
Format	Bool
Default Value	0
Range	0 or 1
Note	Only if supported by your PABX
Example	[SIP/sipAccount0/account] SubscribeMWI=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] Transport #a account 0 .. 7	Web UI Account/Basic → Account #a Transport Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Protocol for SIP messages
Format	Enum
Default Value	0
Range	0 to 3 0:UDP, 1:TCP, 2:TLS, 3:SIPS
Note	
Example	[SIP/sipAccount0/account] Transport=0

Parameter — [SIP/sipAccount#a/account] UseOutboundProxy #a account 0 .. 7	Web UI Account/Basic → Account #a Enable Outbound Proxy Server Phone UI Advanced Settings/Account #a → Enable Outbound Proxy Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Send SIP messages to outbound proxy
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[SIP/sipAccount0/account] UseOutboundProxy=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] UserName #a account 0 .. 7	Web UI Account/Basic → Account #a User name Phone UI Advanced Settings/Account #a → Username Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Name for communication with SIP server
Format	String
Default Value	
Range	up to 100 character except: " : < > @
Note	
Example	[SIP/sipAccount0/account] UserName=

Parameter — [SIP/sipAccount#a/account] VoiceMailNumber #a account 0 .. 7	Web UI Account/Basic → Account #a Voice mail Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #a account 1 .. 8
Description	Mailbox (external) user name or number
Format	Blank value OR String
Default Value	
Range	up to 100 character except: " : < > @
Note	
Example	[SIP/sipAccount0/account] VoiceMailNumber=

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] password	Web UI Account/Basic → Account #a Password	Phone UI Advanced Settings/Account #a → Password	Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8		
Description	Registration password		
Format	String		
Default Value			
Range	up to 100 character except: * = ?		
Note			
Example	[SIP/sipAccount0/account] password=		

Parameter — [SIP/sipAccount#a/account] ptime	Web UI Account/Advanced → Account #a Ptime	Phone UI N/A	Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8		
Description	Length of RTP data Rx		
Format	String Enum		
Default Value	20		
Range	0,10, 20, 30, 40, 50, 60 msec		
Note	0 = disabled		
Example	[SIP/sipAccount0/account] ptime=20		

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/account] srtp_security #a account 0 .. 7	<table border="0"> <tr> <td>Web UI</td> <td>Account/Basic → Account #a SRTP security</td> </tr> <tr> <td>Phone UI</td> <td>N/A</td> </tr> <tr> <td>Configuration Files</td> <td><model>.cfg, <mac>.cfg</td> </tr> </table> #a account 1 .. 8	Web UI	Account/Basic → Account #a SRTP security	Phone UI	N/A	Configuration Files	<model>.cfg, <mac>.cfg				
Web UI	Account/Basic → Account #a SRTP security										
Phone UI	N/A										
Configuration Files	<model>.cfg, <mac>.cfg										
Description	Security for voice data (RTP) and SIP messages										
Format	Enum										
Default Value	0										
Range	0 to 3 0:RTP, 1:SRTP, 2:SRTP+TLS, 3:SRTP+SIPS										
Note	Relationship between srtp_security and Transport: <table border="1" data-bbox="691 857 1444 1137"> <thead> <tr> <th>srtp_security</th> <th>Transport</th> </tr> </thead> <tbody> <tr> <td>RTP</td> <td>any</td> </tr> <tr> <td>SRTP</td> <td>any</td> </tr> <tr> <td>SRTP+TLS</td> <td>TLS</td> </tr> <tr> <td>SRTP+SIPS</td> <td>SIPS</td> </tr> </tbody> </table>	srtp_security	Transport	RTP	any	SRTP	any	SRTP+TLS	TLS	SRTP+SIPS	SIPS
srtp_security	Transport										
RTP	any										
SRTP	any										
SRTP+TLS	TLS										
SRTP+SIPS	SIPS										
Example	[SIP/sipAccount0/account] srtp_security=0										

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio0] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	PCMA
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): <i>Codec - rtpmap</i> PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-18), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio0] PayloadType=PCMA

Parameter — [SIP/sipAccount#a/audio0] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	1
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio0] enable=1

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio0] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	0
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio0] priority=0

Parameter — [SIP/sipAccount#a/audio0] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	8
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): <i>rtpmap - Codec</i> 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (18-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio0] rtpmap=8

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio1] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	PCMU
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio1] PayloadType=PCMU

Parameter — [SIP/sipAccount#a/audio1] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	at least minimum one enabled codec required
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio1] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio1] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	1
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio1] priority=1

Parameter — [SIP/sipAccount#a/audio1] rtptime	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	0
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio1] rtptime=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio10] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio10] PayloadType=

Parameter — [SIP/sipAccount#a/audio10] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Bool
Default Value	0
Range	0 or 1 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio10] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio10] priority	Web UI Phone UI Configuration Files	Account/Codec → Account #a N/A <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8	
Description	Priority for use of codec	
Format	Integer	
Default Value	10	
Range	min=0, max=10	
Note		
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm	
Example	[SIP/sipAccount0/audio10] priority=10	

Parameter — [SIP/sipAccount#a/audio10] rtpmap	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8	
Description	RTP map, see RFC 3550, leave blank when setting PayloadType	
Format	Blank value OR Integer	
Default Value		
Range	min=0, max=127	
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm	
Example	[SIP/sipAccount0/audio10] rtpmap=	

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio2] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	G722
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio2] PayloadType=G722

Parameter — [SIP/sipAccount#a/audio2] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio2] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio2] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	2
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio2] priority=2

Parameter — [SIP/sipAccount#a/audio2] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	9
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio2] rtpmap=9

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio3] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	GSM
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio3] PayloadType=GSM

Parameter — [SIP/sipAccount#a/audio3] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio3] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio3] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	3
Range	min=0, max=10
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio3] priority=3

Parameter — [SIP/sipAccount#a/audio3] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	3
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio3] rtpmap=3

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio4] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	L8
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio4] PayloadType=L8

Parameter — [SIP/sipAccount#a/audio4] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio4] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio4] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	4
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio4] priority=4

Parameter — [SIP/sipAccount#a/audio4] rtptime	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	120
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio4] rtptime=120

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio5] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	L16
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio5] PayloadType=L16

Parameter — [SIP/sipAccount#a/audio5] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio5] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio5] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	5
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio5] priority=5

Parameter — [SIP/sipAccount#a/audio5] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	122
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio5] rtpmap=122

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio6] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio6] PayloadType=

Parameter — [SIP/sipAccount#a/audio6] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio6] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio6] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	6
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio6] priority=6

Parameter — [SIP/sipAccount#a/audio6] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio6] rtpmap=

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio7] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio7] PayloadType=

Parameter — [SIP/sipAccount#a/audio7] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio7] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio7] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	7
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio7] priority=7

Parameter — [SIP/sipAccount#a/audio7] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio7] rtpmap=

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio8] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio8] PayloadType=

Parameter — [SIP/sipAccount#a/audio8] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio8] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio8] priority	Web UI Phone UI Configuration Files	Account/Codec → Account #a N/A <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8	
Description	Priority for use of codec	
Format	Integer	
Default Value	8	
Range	min=0, max=10 0: highest, 10: lowest	
Note		
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm	
Example	[SIP/sipAccount0/audio8] priority=8	

Parameter — [SIP/sipAccount#a/audio8] rtpmap	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8	
Description	RTP map, see RFC 3550, leave blank when setting PayloadType	
Format	Blank value OR Integer	
Default Value		
Range	min=0, max=127	
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm	
Example	[SIP/sipAccount0/audio8] rtpmap=	

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio9] PayloadType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Codec name. leave blank when setting rtpmap
Format	Blank value OR String Enum
Default Value	
Range	G722, G723, G726, G729, GSM, L16, L8, PCMA, PCMU
Note	supported codecs (for some codecs you must purchase a license): PCMU-0, GSM-3, (G723-4), PCMA-8, G722-9, (G729-17), (G726-111), L8-120, L16-12
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio9] PayloadType=

Parameter — [SIP/sipAccount#a/audio9] enable	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Enable Codec
Format	Bool
Default Value	0
Range	0 or 1
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio9] enable=0

Configuration / SIP Accounts

Parameter — [SIP/sipAccount#a/audio9] priority	Web UI Account/Codec → Account #a Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	Priority for use of codec
Format	Integer
Default Value	9
Range	min=0, max=10 0: highest, 10: lowest
Note	
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio9] priority=9

Parameter — [SIP/sipAccount#a/audio9] rtpmap	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a account 0 .. 7	#a account 1 .. 8
Description	RTP map, see RFC 3550, leave blank when setting PayloadType
Format	Blank value OR Integer
Default Value	
Range	min=0, max=127
Note	supported rtpmaps (for some codecs you must purchase a license): 0-PCMU, 3-GSM, (4-G723), 8-PCMA, 9-G722, (17-G729), (111-G726), 120-L8, 122-L1
Access Control	[SIP/sipAccount#a/audioX] ChangeCodec_perm
Example	[SIP/sipAccount0/audio9] rtpmap=

5.2 DECT-Module

The DECT-Module is optional

Parameter — [dect/DECT] PIN	Web UI Phone UI Configuration Files	Phone/DECT → PIN Advanced Settings/DECT → DECT-Module PIN <model>.cfg, <mac>.cfg
Description	PIN for registration	
Format	PIN	
Default Value	0	
Range	min=4, max=4 digits	
Note		
Example	[dect/DECT] PIN=0000	

Parameter — [dect/DECT] register_timeout	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
Description	timeout for registration	
Format	Integer	
Default Value	120	
Range	min=60, max=240 sec	
Note		
Example	[dect/DECT] register_timeout=120	

5.3 Funktion Keys, Selection Keys

5.3.1 General

Each function or selection key has the following syntax:

```
[Section]
fkey1=[TYPE][;LABEL][;PARAM1][;PARAM2][;PARAM3]
fkey2=[TYPE][;LABEL][;PARAM1][;PARAM2][;PARAM3]
#...etc
```

Where LABEL is a free defined text for display or label print.

5.3.2 Description of Function keys

TYPE	Description	Optional parameter
none or <i>blank</i>	key is not used	
default	Default function (Control keys only)	
account_list	View the account / MSN list. You can set the Default Account in the displayed menu	
answer	Answer an incoming call (longest waiting if many)	
autore dial	Initiate auto redial option	
blf	Busy lamp field	[PARAM1] User number [PARAM2] Line-Id/Account-Id to use for subscribe and call [PARAM3] optional Pickup code
callcompletion	Initiate call completion on “user busy” or “no answer” (aggregation of CCNR + CCNR). Detect/Guess the appropriate call.	
callreturn	redial last incoming number (CLIP)	
calls_list	View the calls list (all calls)	
clir	Block Caller ID (Calling Line Identification Restriction) V2.0 or later	[PARAM1] not used [PARAM2] Line-Id/Account-Id (optional)
dial	Dial the phone Number	[PARAM1] Phone number or SIP URI [PARAM2] optional Line-Id/Account-Id to use for the call
dnd	Toggle “Do not disturb” state V2.0.20x or later	[PARAM1] optional line id

Configuration / Funktion Keys, Selection Keys

TYPE	Description	Optional parameter
drop	Disconnect the active call	
dtmf	DTMF	[PARAM1] DTMF-Code
fwd_calls_list	View the forwarded calls	
grouplistening	Group listening, toggle additional loudspeaker on / off	
headset	Headset-Steuerung	
hotdesking	Hot-Desking, User Login / Logoff	[PARAM1] optional Login/Logoff URL
intercom	Initiate Intercom connection	[PARAM1] Destination number / URL [PARAM2] optional Line-Id
ldap	View LDAP query V2.0 or later	
line	Line Key / SIP Account Key	[PARAM1] mandatory Line-Id
lock	Togle keypad lock	
mailbox	External Mailbox (voice mail)	[PARAM1] optional Account-Id
menu_entry	Jumping into the menu V3.0 or later	[PARAM1] Menu path as digits (comma separated)
new_calls_list	View the new missed calls	
parkorbit	Call park orbit (Parking lot)	[PARAM1] Park orbit number [PARAM2] Line-Id/Account-Id to use for subscribe and call park [PARAM3] optional Pickup code
picture	Picture URL V3.0 or later	[PARAM1] full URI: tftp, http or ftp [PARAM2] optional Account-Id [PARAM3] optional auto reload time in milliseconds ≥ 100
prefix	Edit dial prefix	[PARAM1] Edit number [PARAM2] optional Line-Id/Account-Id to use for the call
record_call	Record call	
redial_list	View the dialed numbers list	
reject	Reject an incoming call	
uri	Action URL	[PARAM1] full URI: tftp, http or ftp [PARAM2] optional Account-Id
vm_switch	Internal Voicemail on/off V3.0 or later this feature must be enabled	

For variable in URI see chapter **PBX Sync** in Administrator Guide / Wiki.

5.3.2.1 Example

```
# Key 1 Dial the number using Account 1
```

Configuration / Funktion Keys, Selection Keys

fkey1=dial;My grandma;0123456789;1

Key 2 Answer the longest waiting incoming call
fkey2=answer;Get call

Key 3 Get file from URL, detect context of file an show/execute it.
fkey3=uri;Get file;http://www.myServer.com/phone/templates/TestMenu.xml?mac=\$mac

Key 4 Initiate CCNR or CCBS on a call with convenient call state
fkey4=callcompletion;CCBS

Key 5 Busy Lamp field, User 274, Account 1
fkey5=blf;My boss;274;1

#Key 6 Line-Key for SIP-Account 2
fkey6=line;Second line;2

5.3.3 Extention Module

- In total up to 3 modules connectable
- 27 additionally function keys per module

<p>Parameter — [phonekeys/ExtKeys#m/FunctionKeys] fkey#k</p> <p>#m module 0..2 <i>the number of modules will depend on the current installation</i></p> <p>#k key 1..27 <i>the number of keys will depend on the module type</i></p>	<p>Web UI Keys/EXT Key → Module #m Key #k</p> <p>Phone UI N/A</p> <p>Configuration Files <model>.cfg, <mac>.cfg</p> <p>#m module 1..3 #k key 1..27</p>
Description	EXT Key
Format	String
Default Value	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]
Note	see Description of Function keys, Page 102
Example	[phonekeys/ExtKeys0/FunctionKeys] #Dial the number using Account 1 fkey1=dial;My grandma;0123456789;1

5.3.4 Phone Funktion Keys

Parameter — [phonekeys/FunctionKeys] fkey#k #k key 1..12 (11) <i>the number of DSS keys will depend on the phone type</i>	Web UI Keys/DSS Key → Key #k Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg #k key 1..12 (11)
Description	DSS Key
Format	String
Default Value	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]
Note	see Description of Function keys, Page 102
Example	[phonekeys/FunctionKeys] fkey1=dial;My grandma;0123456789;1 <i>(Dial the number using Account 1)</i>

5.3.5 Description of Selection Keys

TYPE	Description	Optional parameter
none or <i>blank</i>	key is not used	
line	Line Key / SIP Account Key	[PARAM1] mandatory Line-Id
uri	Action URL	[PARAM1] full URI: tftp, http or ftp [PARAM2] optional Account-Id

For variable in URI see chapter **PBX Sync** in Administrator Guide / Web Wiki.

5.3.5.1 Example

#Key 1 Line-Key for SIP-Account 2
fkey1=line;Second line;2

Key 2 Answer the longest waiting incoming call
fkey2=answer;Get call

5.3.6 Phone Selection Keys

<p>Parameter — [phonekeys/SelectionKeys] fkey#k</p> <p>#k key 1..6 (2)</p> <p><i>the number of selection keys will depend on the phone type</i></p> <p><i>the last selection key of the phone is not configurable</i></p>	<p>Web UI Keys/Selection Key → Key #k</p> <p>Phone UI N/A</p> <p>Configuration Files <model>.cfg, <mac>.cfg</p> <p>#k key 1..6 (2)</p>
Description	Selection Key
Format	String
Default Value	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]
Note	see Tip_selection_keys.pdf
Example	[phonekeys/SelectionKeys] fkey1=

5.3.7 Control Keys (V2.0 or later)

Determine the function of the phone control keys and the alpha keyboard (if present).

Each control key has the following syntax:

[Section]
 keyname=[TYPE][;LABEL][;PARAM1][;PARAM2][;PARAM3]

Where LABEL is unused in this context.

For further information see Description of Function keys on Page 102.

Parameter — [phonekeys/SystemKeys] key_alpha	Web UI Phone UI Configuration Files	Keys/Control Keys → Alpha keypad N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Alpha keypad	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_alpha=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_cursor_down	Web UI Keys/Control Keys → Control key down Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V2.0 or later
Description	Function of Control key down
Format	String
Default Value	default
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]
Note	see Description of Function keys, Page 102
Example	[phonekeys/SystemKeys] key_cursor_down=default

Parameter — [phonekeys/SystemKeys] key_cursor_left	Web UI Keys/Control Keys → Control key left Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V2.0 or later
Description	Function of Control key left
Format	String
Default Value	default
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]
Note	see Description of Function keys, Page 102
Example	[phonekeys/SystemKeys] key_cursor_left=default

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_cursor_right	Web UI Phone UI Configuration Files	Keys/Control Keys → Control key right N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Control key right	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_cursor_right=default	

Parameter — [phonekeys/SystemKeys] key_cursor_up	Web UI Phone UI Configuration Files	Keys/Control Keys → Control key up N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Control key up	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_cursor_up=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_del	Web UI Phone UI Configuration Files	Keys/Control Keys → Del N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Del key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_del=default	

Parameter — [phonekeys/SystemKeys] key_dir	Web UI Phone UI Configuration Files	Keys/Control Keys → Phone register N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Phone register key	
Format	String	
Default Value	dial;;2003#;0;	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_dir=dial;;2003#;0;	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_enter	Web UI Phone UI Configuration Files	Keys/Control Keys → Return N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Return key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_enter=default	

Parameter — [phonekeys/SystemKeys] key_esc	Web UI Phone UI Configuration Files	Keys/Control Keys → ESC N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of ESC key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_esc=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_menu	Web UI Phone UI Configuration Files	Keys/Control Keys → Menu N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Menu key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_menu=default	

Parameter — [phonekeys/SystemKeys] key_minus	Web UI Phone UI Configuration Files	Keys/Control Keys → Minus N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Minus key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_minus=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_mute	Web UI Phone UI Configuration Files	Keys/Control Keys → Mute N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Mute key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_mute=default	

Parameter — [phonekeys/SystemKeys] key_newdirentry	Web UI Phone UI Configuration Files	Keys/Control Keys → Enter key N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Enter key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_newdirentry=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_ok	Web UI Phone UI Configuration Files	Keys/Control Keys → Ok N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of OK key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_ok=default	

Parameter — [phonekeys/SystemKeys] key_plus	Web UI Phone UI Configuration Files	Keys/Control Keys → Plus N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Plus key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_plus=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_redial	Web UI Phone UI Configuration Files	Keys/Control Keys → Redialing N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Redialing key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_redial=default	

Parameter — [phonekeys/SystemKeys] key_rkey	Web UI Phone UI Configuration Files	Keys/Control Keys → R key N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of R key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_rkey=default	

Configuration / Funktion Keys, Selection Keys

Parameter — [phonekeys/SystemKeys] key_space	Web UI Phone UI Configuration Files	Keys/Control Keys → Space key N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Space key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_space=default	

Parameter — [phonekeys/SystemKeys] key_speaker	Web UI Phone UI Configuration Files	Keys/Control Keys → Loudspeaker N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Function of Loudspeaker key	
Format	String	
Default Value	default	
Range	up to 600 characters, TYPE(0x20 <= character <= 0x7F); [Label;][PARAM1;][PARAM2;][PARAM3;]	
Note	see Description of Function keys, Page 102	
Example	[phonekeys/SystemKeys] key_speaker=default	

5.4 System settings

5.4.1 Autoprovisioning

Parameter — [system/AutoProvision] bEnableDHCPOption	Web UI Phone UI Configuration Files	Phone/Voice → DHCP active N/A <model>.cfg, <mac>.cfg
Description	Check DHCP option #66 for querying of configuration	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/AutoProvision] bEnableDHCPOption=1	

Parameter — [system/AutoProvision] bEnablePNP	Web UI Phone UI Configuration Files	Phone/Voice → PNP active N/A <model>.cfg, <mac>.cfg
Description	Receive URL for Autoprovisioning on restart	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/AutoProvision] bEnablePNP=1	

Configuration / System settings

Parameter — [system/AutoProvision] bEnablePowerOn	Web UI Phone UI Configuration Files	Phone/Voice → Check new config on startup N/A <model>.cfg, <mac>.cfg
Description	Querying of configuration on restart	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/AutoProvision] bEnablePowerOn=1	

Parameter — [system/AutoProvision] bEnableRepeat	Web UI Phone UI Configuration Files	Phone/Voice → Repeatedly N/A <model>.cfg, <mac>.cfg
Description	Regular querying of configuration	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/AutoProvision] bEnableRepeat=1	

Configuration / System settings

Parameter — [system/AutoProvision] bEnableUnsolicitedCheckSync	Web UI Phone UI Configuration Files	Phone/Voice → Unsolicited check sync N/A <model>.cfg, <mac>.cfg
Description	SIP notify#check-sync	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/AutoProvision] bEnableUnsolicitedCheckSync=1	

Parameter — [system/AutoProvision] bEnableWeekly	Web UI Phone UI Configuration Files	Phone/Voice → Weekly N/A <model>.cfg, <mac>.cfg
Description	Weekly querying of the configuration	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/AutoProvision] bEnableWeekly=1	

Configuration / System settings

Parameter — [system/AutoProvision] nRepeatMinutes	Web UI Phone/Voice → Interval Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Time interval for checking at fixed intervals
Format	Integer
Default Value	1440
Range	min=1, max=1440 min
Note	
Example	[system/AutoProvision] nRepeatMinutes=1440

Parameter — [system/AutoProvision] schedule_time	Web UI Phone/Voice → Time Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Start time at which weekly check is performed
Format	Time
Default Value	01:00
Range	format hh[:mm], 00:00..23:59
Note	For technical reasons, <i>schedule_time</i> must be less than <i>schedule_time_end</i> .
Example	[system/AutoProvision] schedule_time=01:00
Changes	up to V2.0.317: Default Value = 00:00

Configuration / System settings

Parameter — [system/AutoProvision] schedule_time_end	Web UI Phone/Voice → Time Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	End time at which weekly check is performed
Format	Time
Default Value	05:00
Range	format hh[:mm], 00:01..24:00
Note	For technical reasons, <i>schedule_time</i> must be less than <i>schedule_time_end</i> .
Example	[system/AutoProvision] schedule_time_end=05:00
Changes	up to V2.0.317: Default Value = 24:00

Parameter — [system/AutoProvision] strKeyAES16	Web UI Phone/Voice → Common key Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	dencryption key for global configuration
Format	String
Default Value	
Range	any character allowed except: " : < > @
Note	Use external tool to encrypt configuration
Example	[system/AutoProvision] strKeyAES16=

Configuration / System settings

Parameter — [system/AutoProvision] strKeyAES16MAC	Web UI Phone/Voice → MAC-oriented key Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	dencryption key for mac-related configuration
Format	String
Default Value	
Range	any character allowed except: " : < > @
Note	Use external tool to encrypt configuration
Example	[system/AutoProvision] strKeyAES16MAC=

Parameter — [system/AutoProvision] strPassword	Web UI Phone/Voice → Password Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Password for your Autoprovisioning Server (if required)
Format	String
Default Value	
Range	any character allowed except: " : < > @
Note	
Example	[system/AutoProvision] strPassword=

Configuration / System settings

Parameter — [system/AutoProvision] strServerURL	Web UI Phone/Voice → Server URL Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	URL for your Autoprovisioning Server
Format	Blank value OR String
Default Value	http://update.tiptel-info.de
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[system/AutoProvision] strServerURL=http://update.tiptel-info.de

Parameter — [system/AutoProvision] strUser	Web UI Phone/Voice → User name Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	User name for your Autoprovisioning Server (if required)
Format	String
Default Value	
Range	any character allowed except: :
Note	
Example	[system/AutoProvision] strUser=

Configuration / System settings

Parameter — [system/AutoProvision] strWeeklyMask	Web UI Phone/Voice → Day of week Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Day(s) at which weekly querying is enabled
Format	String
Default Value	123456
Range	up to 7 characters, regex: <<^[0-9]{0,7}\$>> 0:sunday, ... 6:saturday
Note	
Example	[system/AutoProvision] strWeeklyMask=12345;;;; monday to friday

5.4.2 Debug

Parameter — [system/DEBUG] WebLevel	Web UI Service/Trace → Web debug level Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Web debug level
Format	Integer
Default Value	3
Range	min=3, max=7 7: debug, all messages ... 3: error, error messages only, web interface debug level
Note	choose 7 to get advanced info on all pages
Example	[system/DEBUG] WebLevel=3

5.4.3 Jitter

Parameter — [system/Jitter] Adaptive	Web UI Phone UI Configuration Files	Phone/Voice → Type N/A <model>.cfg, <mac>.cfg
Description	Jitter Buffer type	
Format	Bool	
Default Value	1	
Range	0 or 1 0:fix value, 1:adaptive	
Note		
Example	[system/Jitter] Adaptive=1	

Parameter — [system/Jitter] Enable	Web UI Phone UI Configuration Files	Phone/Voice → Jitter buffer N/A <model>.cfg, <mac>.cfg
Description	Enable Jitter Buffer	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/Jitter] Enable=1	

Configuration / System settings

Parameter — [system/Jitter] Max	Web UI Phone UI Configuration Files	Phone/Voice → max delay N/A <model>.cfg, <mac>.cfg
Description	Jitter Buffer range end	
Format	Integer	
Default Value	150	
Range	min=0, max=300 msec	
Note		
Example	[system/Jitter] Max=150	

Parameter — [system/Jitter] Min	Web UI Phone UI Configuration Files	Phone/Voice → min delay N/A <model>.cfg, <mac>.cfg
Description	Jitter Buffer range begin	
Format	Integer	
Default Value	35	
Range	min=0, max=280 msec	
Note		
Example	[system/Jitter] Min=35	

Configuration / System settings

Parameter — [system/Jitter] OptimizationFactor	Web UI Phone UI Configuration Files	Phone/Voice → Jitter buffer optmimization factor N/A <model>.cfg, <mac>.cfg
Description	Jitter buffer optimisation factor	
Format	Integer	
Default Value	7	
Range	min=1, max=12 1:low delay .. 12:large buffer	
Note		
Example	[system/Jitter] OptimizationFactor=7	

5.4.4 Local Time

Parameter — [system/LocalTime] DHCPTime	Web UI Phone UI Configuration Files	Phone/Time → Enable timesettings by DHCP N/A <model>.cfg, <mac>.cfg
Description	Enable the automatic setting of date and time with DHCP	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[system/LocalTime] DHCPTime=0	

Parameter — [system/LocalTime] DateFormat	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
Description		
Format	Enum	
Default Value	0	
Range	0 or 1 unused	
Note		
Example	[system/LocalTime] DateFormat=0	

Configuration / System settings

Parameter — [system/LocalTime] EndTime	Web UI Phone UI Configuration Files	Phone/Time → Time N/A <model>.cfg, <mac>.cfg
Description	DST end time (manual setting)	
Format	String	
Default Value	9/5/7/03:00	
Range	up to 100 characters, by week m/w/d/h: ^([0-9]{1,2})/([0-9]{1,2})/([0-9]{1,2}(:[0-9]{2})?)\$ or by date m/d/h ^([0-9]{1,2})/([1-5])/([1-7])/([0-9]{1,2}(:[0-9]{2})?)\$ with sunday=d=7!, monday=1, w=1-5, h=hh[:mm]	
Note	see http://www.gnu.org/software/libc/manual/html_node/TZ-Variable.html	
Example	[system/LocalTime] EndTime=9/5/7/03:00	

Parameter — [system/LocalTime] OffSetTime	Web UI Phone UI Configuration Files	Phone/Time → Offset N/A <model>.cfg, <mac>.cfg
Description	DST offset (manual setting)	
Format	Integer	
Default Value	60	
Range	min=1, max=3600	
Note		
Example	[system/LocalTime] OffSetTime=60	

Configuration / System settings

Parameter — [system/LocalTime] StartTime	Web UI Phone UI Configuration Files	Phone/Time → Time N/A <model>.cfg, <mac>.cfg
Description	DST start time (manual setting)	
Format	String	
Default Value	2/5/7/02:00	
Range	up to 100 characters, by week m/w/d/h: ^([0-9]{1,2})/([0-9]{1,2})/([0-9]{1,2}(:[0-9]{2})?)\$ or by date m/d/h ^([0-9]{1,2})/([1-5])/([1-7])/([0-9]{1,2}(:[0-9]{2})?)\$ with sunday=d=7!, monday=1, w=1-5, h=hh[:mm]	
Note	see http://www.gnu.org/software/libc/manual/html_node/TZ-Variable.html	
Example	[system/LocalTime] StartTime=2/5/7/02:00	

Parameter — [system/LocalTime] TimeFormat	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
Description		
Format	Enum	
Default Value	1	
Range	0 or 1 unused	
Note		
Example	[system/LocalTime] TimeFormat=1	

Configuration / System settings

Parameter — [system/LocalTime] TimeServer1	Web UI Phone UI Configuration Files	Phone/Time → Primary NTP server N/A <model>.cfg, <mac>.cfg
Description	NTP server address	
Format	Blank value OR IP4 OR Domain name	
Default Value	ptbtime1.ptb.de	
Range		
Note		
Example	[system/LocalTime] TimeServer1=ptbtime1.ptb.de	

Parameter — [system/LocalTime] TimeServer2	Web UI Phone UI Configuration Files	Phone/Time → Secondary NTP server N/A <model>.cfg, <mac>.cfg
Description	NTP server address (fallback)	
Format	Blank value OR IP4 OR Domain name	
Default Value		
Range		
Note		
Example	[system/LocalTime] TimeServer2=	

Configuration / System settings

Parameter — [system/LocalTime] TimeZone	Web UI Phone UI Configuration Files	Phone/Time → Time zone N/A <model>.cfg, <mac>.cfg
Description	Offset to UTC for NTP	
Format	Time zone value	
Default Value	1	
Range	[+ -]dd[:mm] e.g. +1, see DST automatic setting	
Note	set TimeZone & TimeZoneName according to Time Zone Table	
Example	[system/LocalTime] TimeZone=+1	

Parameter — [system/LocalTime] TimeZoneName	Web UI Phone UI Configuration Files	Phone/Time → Time zone N/A <model>.cfg, <mac>.cfg
Description	Name of the Time Zone	
Format	String	
Default Value	Germany(Berlin)	
Range	up to 100 characters e.g. Germany(Berlin)	
Note	set TimeZone & TimeZoneName according to Time Zone Table	
Example	[system/LocalTime] TimeZoneName=Germany(Berlin)	

Configuration / System settings

Parameter — [system/LocalTime] bNTPEnable	Web UI Phone UI Configuration Files	Phone/Time → Enable NTP N/A <model>.cfg, <mac>.cfg
Description	Get current UTC from NTP	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/LocalTime] bNTPEnable=1	

Parameter — [system/LocalTime] iDSTTimeType	Web UI Phone UI Configuration Files	Phone/Time → Daylight saving time format N/A <model>.cfg, <mac>.cfg
Description	Type of start- & endtime	
Format	Enum	
Default Value	1	
Range	0 or 1 0:by date, 1:by week	
Note		
Example	[system/LocalTime] iDSTTimeType=1	

Configuration / System settings

Parameter — [system/LocalTime] iDSTType	Web UI Phone UI Configuration Files	Phone/Time → Daylight saving time N/A <model>.cfg, <mac>.cfg
Description	Enable DST	
Format	Enum	
Default Value	2	
Range	0 to 2 0:disable, 1:enable, 2:automatic	
Note	DST setting depends on configured Time Zone, see documentation for supported combinations of TimeZone & TimeZoneName	
Example	[system/LocalTime] iDSTType=2	

Parameter — [system/LocalTime] nNTPLeaseSeconds	Web UI Phone UI Configuration Files	Phone/Time → Update intervall N/A <model>.cfg, <mac>.cfg
Description	Time interval between NTP queries	
Format	Integer	
Default Value	3600	
Range	min=3600, max=86400 sec	
Note		
Example	[system/LocalTime] nNTPLeaseSeconds=3600	

5.4.4.1 Time Zone Table

TimeZone and **TimeZoneName** must be set according to the following table (case sensitive):

Time Zone	TimeZoneName	StdT	Offset	DST	DST Info	Remark
-11	Samoa(PagoPago)	SST	11			flexible dst
-10	United States-Hawaii-Aleutian	HAW	10			no dst info
-10	United States-Alaska-Aleutian	UTC	10			
-9	United States-Alaska Time	AKST	9	AKDT		
-8	Canada(Vancouver,Whitehorse)	PST	8	PDT		
-8	Mexico(Tijuana,Mexicali)	UTC	8			
-8	United States-Pacific Time	UTC	8			
-7	Canada(Edmonton,Calgary)	UTC	7			
-7	Mexico(Mazatlan,Chihuahua)	UTC	7			
-7	United States-Mountain Time	MST	7	MDT		
-7	United States-MST no DST	MST	7			
-6	Canada-Manitoba(Winnipeg)	UTC	6			
-6	Chile(Easter Islands)	UTC	6			
-6	Mexico(Mexico City,Acapulco)	UTC	6			
-6	United States-Central Time	CST	6	CDT		
-5	Bahamas(Nassau)	UTC	5			
-5	Canada(Montreal,Ottawa,Quebec)	EST	5	EDT		
-5	Cuba(Havana)	UTC	5			
-5	United States-Eastern Time	UTC	5			
-4:30	Venezuela(Caracas)	UTC	4:30			
-4	Canada(Halifax,Saint John)	UTC	4			
-4	Chile(Santiago)	UTC	4			
-4	Paraguay(Asuncion)	UTC	4			
-4	United Kingdom-Bermuda(Bermuda)	UTC	4			
-4	United Kingdom(Falkland Islands)	UTC	4			
-4	Trinidad & Tobago	UTC	4			
-3:30	Canada-New Foundland(St.Johns)	UTC	3:30			
-3	Denmark-Greenland(Nuuk)	UTC	3			
-3	Argentina(Buenos Aires)	UTC	3			
-3	Brazil(no DST)	UTC	3			
-3	Brazil(DST)	BRST	3	BRDT	+2,M11.1.0/00:00:00,M2.5.0/00:00:00	
-2	Brazil(no DST)	UTC	2			
-1	Portugal(Azores)	UTC	1			
0	GMT	UTC	0			
0	Denmark-Faroe Islands(Torshaven)	UTC	0			
0	Ireland(Dublin)	GMT	0	IST	-1,M3.5.0/01:00:00,M10.5.0/02:00:00	
0	Portugal(Lisboa,Porto,Funchal)	WET	0	WEST	-1,M3.5.0/01:00:00,M10.5.0/02:00:00	
0	Spain-Canary Islands(Las Palmas)	0				
0	United Kingdom(London)	GMT	0	BST	-1,M3.5.0/01:00:00,M10.5.0/02:00:00	
0	Morocco	UTC	0			

Configuration / System settings

Time Zone	TimeZoneName	StdT	Offset	DST	DST Info	Remark
+1	Albania(Tirane)	UTC	-1			
+1	Austria(Vienna)	UTC	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Belgium(Brussels)	UTC	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Caicos	UTC	-1			
+1	Chatam	UTC	-1			
+1	Croatia(Zagreb)	UTC	-1			
+1	Czech Republic(Prague)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Denmark(Kopenhagen)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	France(Paris)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Germany(Berlin)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Hungary(Budapest)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Italy(Rome)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Luxembourg(Luxembourg)	UTC	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Makedonia(Skopje)	UTC	-1			
+1	Netherlands(Amsterdam)	CET	-1	CEST	-2,M3.5.0/02:00:00,M10.5.0/03:00:00	
+1	Namibia(Windhoek)	UTC	-1			
+2	Estonia(Tallinn)	UTC	-2			
+2	Finland(Helsinki)	EET	-2	EEST	-3,M3.5.0/03:00:00,M10.5.0/04:00:00	
+2	Gaza Strip(Gaza)	UTC	-2			
+2	Greece(Athens)	EET	-2	EEST	-3,M3.5.0/03:00:00,M10.5.0/04:00:00	
+2	Israel(Tel Aviv)	UTC	-2			
+2	Jordan(Amman)	UTC	-2			
+2	Latvia(Riga)	UTC	-2			
+2	Lebanon(Beirut)	UTC	-2			
+2	Moldova(Kishinev)	UTC	-2			
+2	Russia(Kaliningrad)	UTC	-2			
+2	Romania(Bucharest)	UTC	-2			
+2	Syria(Damascus)	UTC	-2			
+2	Turkey(Ankara)	UTC	-2			
+2	Ukraine(Kyiv,Odessa)	EET	-2	EEST	-3,M3.5.0/03:00:00,M10.5.0/04:00:00	dst ?
+3	East Africa Time	UTC	-3			
+3	Iraq(Baghdad)	UTC	-3			
+3	Russia(Moscow)	MSK	-3	MSD	-4,M3.5.0/02:00:00,M10.5.0/03:00:00	dst ?
+3:30	Iran(Teheran)	UTC	-3:30			
+4	Armenia(Yerevan)	UTC	-4			
+4	Azerbaijan(Baku)	UTC	-4			
+4	Georgia(Tbilisi)	UTC	-4			
+4	Kazakstan(Aqtau)	UTC	-4			
+4	Russia(Samara)	UTC	-4			
+5	Kazakstan(Aqtobe)	UTC	-5			
+5	Kyrgyzstan(Bishkek)	UTC	-5			
+5	Pakistan(Islamabad)	UTC	-5			
+5	Russia(Chelyabinsk)	UTC	-5			

Configuration / System settings

Time Zone	TimeZoneName	StdT	Offset	DST	DST Info	Remark
+5:30	India(Calcutta)	UTC	-5:30			
+6	Kazakstan(Astana,Almaty)	UTC	-6			
+6	Russia(Novosibirsk,Omsk)	UTC	-6			
+7	Russia(Krasnoyarsk)	UTC	-7			
+7	Thailand(Bangkok)	UTC	-7			
+8	China(Beijing)	UTC	-8			
+8	Singapore(Singapore)	SGT	-8			
+8	Australia(Perth)	WST	-8			
+9	Korea(Seoul)	UTC	-9			
+9	Japan(Tokyo)	UTC	-9			
+9:30	Australia(Adelaide)	CST	-9:30	CDT	-10:30,M10.5.0/02:00:00,M3.5.0/03:00:00	
+9:30	Australia(Darwin)	CST	-9:30			
+10	Australia(Sydney,Melbourne,Canberra)	EST	-10	EDT	-11,M10.5.0/02:00:00,M3.5.0/03:00:00	
+10	Australia(Brisbane)	EST	-10			no dst
+10	Australia(Hobart)	EST	-10	EDT	-11,M10.1.0/02:00:00,M4.1.0/03:00:00	
+10	Russia(Vladivostok)	UTC	-10			
+10:30	Australia(Lord Howe Islands)	LHST	-10:30	LHDT	-11,M10.1.0/02:00:00,M4.1.0/03:00:00	
+11	New Caledonia(Noumea)	UTC	-11			
+12	New Zeland(Wellington,Auckland)	NZST	-12	NZDT	-13,M10.1.0/02:00:00,M3.3.0/03:00:00	
+12:45	New Zeland(Chatham Islands)	CHADT	-12:45			
+13	Tonga(Nukualofa)	UTC	-13			
+13	Samoa(Apia)	WST	-13			flexible dst
0	GMT	UTC	0			default

Combinations of Timezone and TimeZoneName for automatic DST settings

5.4.5 NAT

Parameter — [system/NAT] NATTraversal	Web UI Phone UI Configuration Files	Network/Advanced → NAT Traversal N/A <model>.cfg, <mac>.cfg
Description	Enable STUN query	
Format	Enum	
Default Value	0	
Range	0 or 1 0:disable, 1:STUN	
Note		
Example	[system/NAT] NATTraversal=0	

Parameter — [system/NAT] STUNInterval	Web UI Phone UI Configuration Files	Network/Advanced → STUN Interval N/A <model>.cfg, <mac>.cfg
Description	Time interval STUN query	
Format	Integer	
Default Value	60	
Range	min=60, max=86400 sec	
Note		
Example	[system/NAT] STUNInterval=60	

Configuration / System settings

Parameter — [system/NAT] STUNPort	Web UI Phone UI Configuration Files	Network/Advanced → (STUN Server) Port N/A <model>.cfg, <mac>.cfg
Description	STUN server port	
Format	Integer	
Default Value		
Range	min=1, max=65536 or blank	
Note		
Example	[system/NAT] STUNPort=	

Parameter — [system/NAT] STUNServer	Web UI Phone UI Configuration Files	Network/Advanced → STUN Server N/A <model>.cfg, <mac>.cfg
Description	STUN server address	
Format	Blank value OR IP4 OR Domain name	
Default Value		
Range		
Note		
Example	[system/NAT] STUNServer=	

5.4.6 Network Settings

Parameter — [system/Network] SIPListenPort	Web UI Phone UI Configuration Files	Account/Global → Local SIP port N/A <model>.cfg, <mac>.cfg
Description	Local Port for SIP Messages	
Format	Integer	
Default Value	5060	
Range	min=1, max=65536	
Note		
Example	[system/Network] SIPListenPort=5060	

Parameter — [system/Network] bUseTrustedCertsOnly	Web UI Phone UI Configuration Files	Security/Trusted Certs → Only Accept Trusted Certificates N/A <model>.cfg, <mac>.cfg
Description	Accept trusted certificates only	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	Value is set to 0 if there is no client certificate present (there must be at least one certificate exists when setting this value to „1“)	
Example	[system/Network] bUseTrustedCertsOnly=0	

Configuration / System settings

Parameter — [system/Network] eLANType	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	IP configuration LAN Port
Format	Enum
Default Value	0
Range	0 or 1 unused
Note	
Example	[system/Network] eLANType=0

Parameter — [system/Network] eWANType	Web UI Network/Basic → WAN Phone UI Advanced Settings/Network → DHCP Configuration Files <model>.cfg, <mac>.cfg
Description	IP configuration WAN Port
Format	Enum
Default Value	0
Range	0 or 1 0:DHCP, 1:static
Note	reboot required on change
Example	[system/Network] eWANType=0

Configuration / System settings

Parameter — [system/Network] strLanGateway	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Gateway LAN Port
Format	Blank value OR IP4
Default Value	
Range	unused
Note	
Example	[system/Network] strLanGateway=

Parameter — [system/Network] strLanIP	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	IP address LAN Port
Format	Blank value OR IP4
Default Value	
Range	unused
Note	
Example	[system/Network] strLanIP=

Configuration / System settings

Parameter — [system/Network] strLanMask	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
Description	Netmask LAN Port	
Format	Blank value OR IP4	
Default Value		
Range	unused	
Note		
Example	[system/Network] strLanMask=	

Parameter — [system/Network] strWANIP	Web UI Phone UI Configuration Files	Network/Basic → IP address Advanced Settings/Network → IP-Address <model>.cfg, <mac>.cfg
Description	IP address for your phone	
Format	Blank value OR IP4	
Default Value	192.168.100.1	
Range		
Note	reboot required on change	
Example	[system/Network] strWANIP=192.168.100.1	

Configuration / System settings

Parameter — [system/Network] strWANMask	Web UI Phone UI Configuration Files	Network/Basic → Subnet mask Advanced Settings/Network → Net mask <model>.cfg, <mac>.cfg
Description	Netmask for your network	
Format	Blank value OR IP4	
Default Value	255.255.255.0	
Range		
Note	reboot required on change	
Example	[system/Network] strWANMask=255.255.255.0	

Parameter — [system/Network] strWanGateway	Web UI Phone UI Configuration Files	Network/Basic → Default gateway Advanced Settings/Network → Gateway <model>.cfg, <mac>.cfg
Description	Address of your gateway	
Format	Blank value OR IP4	
Default Value		
Range		
Note	reboot required on change	
Example	[system/Network] strWanGateway=	

Configuration / System settings

Parameter — [system/Network] strWanPrimaryDNS	Web UI Phone UI Configuration Files	Network/Basic → Primary DNS Advanced Settings/Network → Primary DNS <model>.cfg, <mac>.cfg
Description	Address of your name server (DNS)	
Format	Blank value OR IP4 OR Domain name	
Default Value		
Range		
Note	reboot required on change	
Example	[system/Network] strWanPrimaryDNS=	

Parameter — [system/Network] strWanSecondaryDNS	Web UI Phone UI Configuration Files	Network/Basic → Secondary DNS Advanced Settings/Network → Secondary DNS <model>.cfg, <mac>.cfg
Description	Address of your name server (DNS)	
Format	Blank value OR IP4 OR Domain name	
Default Value		
Range		
Note	reboot required on change	
Example	[system/Network] strWanSecondaryDNS=	

5.4.7 Other System settings

Parameter — [system/Profile] CNG	Web UI Phone UI Configuration Files	Phone/Voice → CNG N/A <model>.cfg, <mac>.cfg
Description	Generate noise if no voice data sent (VAD on)	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/Profile] CNG=1	

Parameter — [system/Profile] ECHO	Web UI Phone UI Configuration Files	Phone/Voice → Echo canceller N/A <model>.cfg, <mac>.cfg
Description	Echo cancellation	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/Profile] ECHO=1	

Configuration / System settings

Parameter — [system/Profile] VAD	Web UI Phone UI Configuration Files	Phone/Voice → VAD N/A <model>.cfg, <mac>.cfg
Description	Voice recognition	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	Depends on the codec used	
Example	[system/Profile] VAD=0	

Parameter — [system/RTPPORT] MinRTPPort	Web UI Phone UI Configuration Files	Network/Advanced → Min RTP port N/A <model>.cfg, <mac>.cfg
Description	First Port for audio (RTP)	
Format	Integer	
Default Value	11780	
Range	min=2, max=65516, even	
Note		
Example	[system/RTPPORT] MinRTPPort=11780	

5.4.7.1 SIP Options

Parameter — [system/SIPOptions] DSCPvalRTP	Web UI Phone UI Configuration Files	Network/Advanced → QoS RTP (Speech) N/A <model>.cfg, <mac>.cfg
Description	DSCP (QoS) RTP	
Format	Integer	
Default Value	0	
Range	min=0, max=63	
Note		
Example	[system/SIPOptions] DSCPvalRTP=0	

Parameter — [system/SIPOptions] DSCPvalSIP	Web UI Phone UI Configuration Files	Network/Advanced → QoS SIP N/A <model>.cfg, <mac>.cfg
Description	DSCP (QoS) SIP	
Format	Integer	
Default Value	0	
Range	min=0, max=63	
Note		
Example	[system/SIPOptions] DSCPvalSIP=0	

Configuration / System settings

Parameter — [system/SIPOptions] SipTrace	Web UI Phone UI Configuration Files	Service/Trace → SIP Trace Level N/A <model>.cfg, <mac>.cfg
Description	SIP trace setting	
Format	Enum	
Default Value	0	
Range	0 to 3 0 :disabled 1 :SIP Messages to tracefile 2 :SIP Messages & Stack to tracefile 3 :SIP Stack to syslog	
Note		
Example	[system/SIPOptions] SipTrace=0	

Parameter — [system/SIPOptions] bForceUDP	Web UI Phone UI Configuration Files	Account/Global → Force UDP N/A <model>.cfg, <mac>.cfg
Description	Force UDP for SIP-packets > 1300 (prevent TCP for large packet size)	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[system/SIPOptions] bForceUDP=1	

Configuration / System settings

Parameter — [system/SIPOptions] bNotifyPushXML	Web UI Account/Global → SIP notify push XML Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	XML data can be send directly to the phone using proprietary SIP NOTIFY event " <i>tiptel-xml</i> " with XML content.
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[system/SIPOptions] bNotifyPushXML=0

Parameter — [system/SIPOptions] default_t1	Web UI Network/Advanced → SIP session timer T1 Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	SIP session timer T1
Format	Integer
Default Value	500
Range	min=500, max=10000 msec
Note	T1 must be less than T2
Example	[system/SIPOptions] default_t1=500

Configuration / System settings

Parameter — [system/SIPOptions] default_t2	Web UI Phone UI Configuration Files	Network/Advanced → SIP session timer T2 N/A <model>.cfg, <mac>.cfg
Description	SIP session timer T2	
Format	Integer	
Default Value	4000	
Range	min=500, max=60000 msec	
Note	T2 must be greater than T1	
Example	[system/SIPOptions] default_t2=4000	

Parameter — [system/SIPOptions] default_t4	Web UI Phone UI Configuration Files	Network/Advanced → SIP session timer T4 N/A <model>.cfg, <mac>.cfg
Description	SIP session timer T3	
Format	Integer	
Default Value	5000	
Range	min=500, max=60000 msec	
Note	T4 must be greater than T1 + T2	
Example	[system/SIPOptions] default_t4=5000	

Configuration / System settings

Parameter — [system/SIPOptions] rport	Web UI Phone UI Configuration Files	Account/Global → RPort N/A <model>.cfg, <mac>.cfg
Description	Port for receiving SIP messages	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[system/SIPOptions] rport=0	

Parameter — [system/SYSLOG] Level	Web UI Phone UI Configuration Files	Service/Trace → Level N/A <model>.cfg, <mac>.cfg
Description	System debug level	
Format	Integer	
Default Value	3	
Range	min=3, max=7 7: debug, all messages ... 3: error, error messages only	
Note		
Example	[system/SYSLOG] Level=3	

Configuration / System settings

Parameter — [system/SYSLOG] SyslogdIP	Web UI Phone UI Configuration Files	Service/Trace → IP address N/A <model>.cfg, <mac>.cfg
Description	Address of your server for recording the system log	
Format	Blank value OR IP4 (port optional)	
Default Value		
Range		
Note	if eType=1	
Example	[system/SYSLOG] SyslogdIP=	

Parameter — [system/SYSLOG] eType	Web UI Phone UI Configuration Files	Service/Trace → Export system log N/A <model>.cfg, <mac>.cfg
Description	Syslog to	
Format	Enum	
Default Value	0	
Range	0 or 1 0:file, 1:server	
Note		
Example	[system/SYSLOG] eType=0	

Configuration / System settings

Parameter — [system/VLAN] ISVLAN	Web UI Phone UI Configuration Files	Network/Advanced → <i>VLAN (WAN-Port) Active</i> Advanced Settings/Network → VLAN <model>.cfg, <mac>.cfg
Description	Enable VLAN on WAN-Port	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	reboot required on change	
Example	[system/VLAN] ISVLAN=0	

Parameter — [system/VLAN] USRRIORITY	Web UI Phone UI Configuration Files	Network/Advanced → <i>VLAN (WAN-Port) VLAN priority</i> N/A <model>.cfg, <mac>.cfg
Description	Priority for the VLAN on WAN-Port	
Format	Integer	
Default Value	0	
Range	min=0, max=7	
Note	reboot required on change	
Example	[system/VLAN] USRRIORITY=0	

Configuration / System settings

Parameter — [system/VLAN] VID	Web UI Phone UI Configuration Files	Network/Advanced → <i>VLAN (WAN-Port) VID</i> Advanced Settings/Network → VLAN-ID <model>.cfg, <mac>.cfg
Description	ID for the required VLAN on WAN-Port	
Format	Integer	
Default Value	0	
Range	min=0, max=4094	
Note	reboot required on change	
Example	[system/VLAN] VID=0	

Parameter — [system/VLAN] PC_PORT_VLAN_ENABLE	Web UI Phone UI Configuration Files	Network/Advanced → <i>VLAN (PC-Port) Active</i> N/A <model>.cfg, <mac>.cfg
Version	V2.0.304 or later	
Description	Enable VLAN on PC-Port	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	reboot required on change	
Example	[system/VLAN] PC_PORT_VLAN_ENABLE=0	

Configuration / System settings

Parameter — [system/VLAN] PC_PORT_PRIORITY	Web UI Phone UI Configuration Files	Network/Advanced → <i>VLAN (PC-Port)</i> VLAN priority N/A <model>.cfg, <mac>.cfg
Version	V2.0.304 or later	
Description	Priority for the VLAN on PC-Port	
Format	Integer	
Default Value	0	
Range	min=0, max=7	
Note	reboot required on change	
Example	[system/VLAN] PC_PORT_PRIORITY=0	

Parameter — [system/VLAN] PC_PORT_VID	Web UI Phone UI Configuration Files	Network/Advanced → <i>VLAN (PC-Port)</i> VID N/A <model>.cfg, <mac>.cfg
Version	V2.0.304 or later	
Description	ID for the required VLAN on PC-Port	
Format	Integer	
Default Value	0	
Range	min=0, max=4094	
Note	reboot required on change	
Example	[system/VLAN] PC_PORT_VID=0	

Configuration / System settings

Parameter — [system/VPN] EnableVPN	Web UI Phone UI Configuration Files	Network/Advanced → VPN N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Enable VPN	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[system/VPN] EnableVPN=0	

Configuration / System settings

Parameter — [system/http] Useragent	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	User Agent, phone identity for SIP and Autoprovisioning
Format	Blank value OR String
Default Value	
Range	up to 100 character except: " : < > @ leave blank for default
Note	the user agent string will always change after firmwareupdate if default a user agent string that begins with „Tiptel t31xx“ will be replaced by default reboot required on change V3.0: For variables in Useragent see PBX Sync in Administrator Guide / Web Wiki.
Example	[system/http] Useragent=Tiptel {model} {firmware} {mac}
Changes	rev < 11987: Default Value = Tiptel t31xx Version Mac

5.5 User Settings

5.5.1 PBX Sync / Action URL

Parameter — [user/ActionURL] busytoidle	Web UI Phone/PBX-Sync → Busy to idle Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on phone switched to standby mode
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] busytoidle=http://www.myServer.com/aurl?url=\$active_url&cause=busytoidle

Parameter — [user/ActionURL] callattendtransfer	Web UI Phone/PBX-Sync → Call blind transfer Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on attended call transfer
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] callattendtransfer= http://www.myServer.com/aurl?url=\$active_url&cause=callattendtransfer

Configuration / User Settings

Parameter — [user/ActionURL] callblindtransfer	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Call blind transfer N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on blind call transfer	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] callblindtransfer=http://www.myServer.com/aur?url=\$active_url&cause=callblindtransfer	

Parameter — [user/ActionURL] callestablished	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Call established N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on connected	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] callestablished=http://www.myServer.com/aur?url=\$active_url&cause=callestablished	

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Parameter — [user/ActionURL] callfail	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Call fail N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on disconnect	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] callfail=http://www.myServer.com/aur? url=\$active_url&cause=callfail	

Parameter — [user/ActionURL] callin	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Call in N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on incoming call	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] callin=http://www.myServer.com/aur? url=\$active_url&cause=callin	

Configuration / User Settings

Parameter — [user/ActionURL] callout	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Call out N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on outgoing call	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] callout=http://www.myServer.com/aurl? url=\$active_url&cause=callout	

Parameter — [user/ActionURL] calltransfer	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Call transfer N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on call transfer	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] calltransfer=http://www.myServer.com/aurl? url=\$active_url&cause=calltransfer	

Configuration / User Settings

Parameter — [user/ActionURL] cfb_off	Web UI Phone/PBX-Sync → CFB off Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on CFB off
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] cfb_off=http://www.myServer.com/aur? url=\$active_url&cause=cfb_off

Parameter — [user/ActionURL] cfb_on	Web UI Phone/PBX-Sync → CFB on Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on CFB on
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] cfb_on=http://www.myServer.com/aur? url=\$active_url&cause=cfb_on

Configuration / User Settings

Parameter — [user/ActionURL] cfnr_off	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFNR off N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on CFNR off	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] cfnr_off=http://www.myServer.com/aur? url=\$active_url&cause=cfnr_off	

Parameter — [user/ActionURL] cfnr_on	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFNR on N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on CFNR on	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] cfnr_on=http://www.myServer.com/aur? url=\$active_url&cause=cfnr_on	

Configuration / User Settings

Parameter — [user/ActionURL] cfu_off	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFU off N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on CFU off	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] cfu_off=http://www.myServer.com/aur? url=\$active_url&cause=cfu_off	

Parameter — [user/ActionURL] cfu_on	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFU on N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on CFU on	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] cfu_on=http://www.myServer.com/aur? url=\$active_url&cause=cfu_on	

Configuration / User Settings

Parameter — [user/ActionURL] dnd_off	Web UI Phone UI Configuration Files	Phone/PBX-Sync → DND off N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on DND disabled	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] dnd_off=http://www.myServer.com/aur? url=\$active_url&cause=dnd_off	

Parameter — [user/ActionURL] dnd_on	Web UI Phone UI Configuration Files	Phone/PBX-Sync → DND on N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on DND enabled	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] dnd_on=http://www.myServer.com/aur? url=\$active_url&cause=dnd_on	

Configuration / User Settings

Parameter — [user/ActionURL] hold	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Hold N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on hold call enabled	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] hold=http://www.myServer.com/aurl? url=\$active_url&cause=hold	

Parameter — [user/ActionURL] idletobusy	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Idle to busy N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on phone exited standby mode	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] idletobusy=http://www.myServer.com/aurl? url=\$active_url&cause=idletobusy	

Configuration / User Settings

Parameter — [user/ActionURL] ip_changed	Web UI Phone/PBX-Sync → IP changed Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on IP changed
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] ip_changed=http://www.myServer.com/aurl?url=\$active_url&cause=ip_changed

Parameter — [user/ActionURL] missedcall	Web UI Phone/PBX-Sync → Missed call Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on new calls
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] missedcall=http://www.myServer.com/aurl?url=\$active_url&cause=missedcall

Configuration / User Settings

Parameter — [user/ActionURL] mute	Web UI Phone/PBX-Sync → Mute Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on mute on
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] mute=http://www.myServer.com/aurl? url=\$active_url&cause=mute

Parameter — [user/ActionURL] offhook	Web UI Phone/PBX-Sync → Off-hook Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on receiver lifted
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] offhook=http://www.myServer.com/aurl? url=\$active_url&cause=offhook

Configuration / User Settings

Parameter — [user/ActionURL] onhook	Web UI Phone UI Configuration Files	Phone/PBX-Sync → On-hook N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on receiver down	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] onhook=http://www.myServer.com/aurl? url=\$active_url&cause=onhook	

Parameter — [user/ActionURL] register_err	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Register err N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on registration erroneous	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] register_err=http://www.myServer.com/aurl? url=\$active_url&cause=register_err	

Configuration / User Settings

Parameter — [user/ActionURL] register_ok	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Register ok N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on registration successful	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] register_ok=http://www.myServer.com/aurl? url=\$active_url&cause=register_ok	

Parameter — [user/ActionURL] startup	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Startup N/A <model>.cfg, <mac>.cfg
Description	Send get request to URL on startup	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/ActionURL] startup=http://www.myServer.com/aurl? url=\$active_url&cause=startup	

Configuration / User Settings

Parameter — [user/ActionURL] unhold	Web UI Phone/PBX-Sync → Unhold Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on hold call disabled
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] unhold=http://www.myServer.com/aur1? url=\$active_url&cause=unhold

Parameter — [user/ActionURL] unmute	Web UI Phone/PBX-Sync → Unmute Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on mute off
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] unmute=http://www.myServer.com/aur1? url=\$active_url&cause=unmute

Configuration / User Settings

Parameter — [user/ActionURL] unregister	Web UI Phone/PBX-Sync → Unregister Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Send get request to URL on registration cancelled
Format	String
Default Value	
Range	up to 500 characters
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.
Example	[user/ActionURL] unregister=http://www.myServer.com/aurl?url=\$active_url&cause=unregister

5.5.2 Alert Info

Parameter — [user/AlertInfo#a] Ringer #a 0..9	Web UI Phone/Ring → Internal Ringer File Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	System or Config path of the ringtone assigned to alert info
Format	Blank value OR File Path
Default Value	System: 1 Phone Bright.wav
Range	System: <i>filename</i> OR Config: <i>filename</i> with <i>filename</i> (case sensitive), UTF-8 or 0x20 <= character <= 0x7F except / e.g. System: 1 Phone Bright.wav
Note	
Example	[user/AlertInfo0] Ringer=System: 1 Phone Bright.wav

Parameter — [user/AlertInfo#a] Text #a 0..9	Web UI Phone/Ring → External Ringer Text Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Alert Info
Format	String
Default Value	
Range	up to 100 characters
Note	
Example	[user/AlertInfo0] Text=

5.5.3 Alphablending

Parameter — [user/Alphablending] CalljournalMsgOpac	Web UI Phone/Preferences → Alpha blending status line Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Increase the contrast for status line
Format	Integer
Default Value	0
Range	min=0, max=100
Note	If display is enabled for wallpaper
Example	[user/Alphablending] CalljournalMsgOpac=0

Parameter — [user/Alphablending] DateOpac	Web UI Phone/Preferences → Alpha blending date Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Increase the contrast for date
Format	Integer
Default Value	0
Range	min=0, max=100
Note	If display is enabled for wallpaper
Example	[user/Alphablending] DateOpac=0

Configuration / User Settings

Parameter — [user/Alphablending] DayOpac	Web UI Phone UI Configuration Files	Phone/Preferences → Alpha blending day N/A <model>.cfg, <mac>.cfg
Description	Increase the contrast for day	
Format	Integer	
Default Value	0	
Range	min=0, max=100	
Note	If display is enabled for wallpaper	
Example	[user/Alphablending] DayOpac=0	

Parameter — [user/Alphablending] DefAccountOpac	Web UI Phone UI Configuration Files	Phone/Preferences → Alpha blending default account N/A <model>.cfg, <mac>.cfg
Description	Increase the contrast for default account	
Format	Integer	
Default Value	0	
Range	min=0, max=100	
Note	If display is enabled for wallpaper	
Example	[user/Alphablending] DefAccountOpac=0	

Configuration / User Settings

Parameter — [user/Alphablending] SelectKeysOpac	Web UI Phone UI Configuration Files	Phone/Preferences → Alpha blending select keys N/A <model>.cfg, <mac>.cfg
Description	Increase the contrast for selection keys	
Format	Integer	
Default Value	25	
Range	min=0, max=100	
Note	If display is enabled for wallpaper	
Example	[user/Alphablending] SelectKeysOpac=25	

Parameter — [user/Alphablending] SoftKeysOpac	Web UI Phone UI Configuration Files	Phone/Preferences → Alpha blending soft keys N/A <model>.cfg, <mac>.cfg
Description	Increase the contrast for soft keys	
Format	Integer	
Default Value	25	
Range	min=0, max=100	
Note	If display is enabled for wallpaper	
Example	[user/Alphablending] SoftKeysOpac=25	

Configuration / User Settings

Parameter — [user/Alphablending] StatusIconsOpac	Web UI Phone UI Configuration Files	Phone/Preferences → Alpha blending status icons N/A <model>.cfg, <mac>.cfg
Description	Increase the contrast for status icons	
Format	Integer	
Default Value	0	
Range	min=0, max=100	
Note	If display is enabled for wallpaper	
Example	[user/Alphablending] StatusIconsOpac=0	

Parameter — [user/Alphablending] TimeOpac	Web UI Phone UI Configuration Files	Phone/Preferences → Alpha blending time N/A <model>.cfg, <mac>.cfg
Description	Increase the contrast for time	
Format	Integer	
Default Value	0	
Range	min=0, max=100	
Note	If display is enabled for wallpaper	
Example	[user/Alphablending] TimeOpac=0	

5.5.4 Call Forwarding Unconditional (CFU)

Parameter — [user/AlwaysFWD] Enable	Web UI Phone UI Configuration Files	Phone/Call forwarding → Always N/A <model>.cfg, <mac>.cfg
Description	Call forwarding unconditional	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/AlwaysFWD] Enable=0	

Parameter — [user/AlwaysFWD] Off_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFU off code N/A <model>.cfg, <mac>.cfg
Description	Invite code CFU off	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/AlwaysFWD] Off_Code=	

Configuration / User Settings

Parameter — [user/AlwaysFWD] On_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFU on code N/A <model>.cfg, <mac>.cfg
Description	Invite code CFU on	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/AlwaysFWD] On_Code=	

Parameter — [user/AlwaysFWD] Target	Web UI Phone UI Configuration Files	Phone/Call forwarding → Target N/A <model>.cfg, <mac>.cfg
Description	CFU target	
Format	Blank value OR String	
Default Value		
Range	up to 100 character except: " : < > @	
Note		
Example	[user/AlwaysFWD] Target=	

5.5.5 Auto Redial

Parameter — [user/AutoRedial] RedialInterval	Web UI Phone UI Configuration Files	Phone/Features → Auto redial interval N/A <model>.cfg, <mac>.cfg
Description	Time between autore dial attempts	
Format	Integer	
Default Value	10	
Range	min=0, max=300 sec	
Note		
Example	[user/AutoRedial] RedialInterval=10	

Parameter — [user/AutoRedial] RedialTimes	Web UI Phone UI Configuration Files	Phone/Features → Auto redial times N/A <model>.cfg, <mac>.cfg
Description	Maximum number of dial attempts	
Format	Integer	
Default Value	10	
Range	min=1, max=10	
Note		
Example	[user/AutoRedial] RedialTimes=10	

5.5.6 Busy Forward (CFB)

Parameter — [user/BusyFWD] Enable	Web UI Phone UI Configuration Files	Phone/Call forwarding → Busy N/A <model>.cfg, <mac>.cfg
Description	Call forwarding on busy	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/BusyFWD] Enable=0	

Parameter — [user/BusyFWD] Off_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFB off code N/A <model>.cfg, <mac>.cfg
Description	Invite code CFB off	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/BusyFWD] Off_Code=	

Configuration / User Settings

Parameter — [user/BusyFWD] On_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFB on code N/A <model>.cfg, <mac>.cfg
Description	Invite code CFB on	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/BusyFWD] On_Code=	

Parameter — [user/BusyFWD] Target	Web UI Phone UI Configuration Files	Phone/Call forwarding → Target N/A <model>.cfg, <mac>.cfg
Description	CFB target	
Format	Blank value OR String	
Default Value		
Range	up to 100 character except: " : < > @	
Note		
Example	[user/BusyFWD] Target=	

5.5.7 DND

Parameter — [user/DND] Off_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → DND off code N/A <model>.cfg, <mac>.cfg
Description	Invite code DND off	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/DND] Off_Code=	

Parameter — [user/DND] On_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → DND on code N/A <model>.cfg, <mac>.cfg
Description	Invite code DND on	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/DND] On_Code=	

5.5.8 Features

Parameter — [user/Features] ButtonSoundOn	Web UI Phone UI Configuration Files	Phone/Preferences → Button sound N/A <model>.cfg, <mac>.cfg
Description	Acoustic sound signals a keypress	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/Features] ButtonSoundOn=0	

Parameter — [user/Features] CallCompletion	Web UI Phone UI Configuration Files	Phone/Features → Call completion N/A <model>.cfg, <mac>.cfg
Description	Status subscription of a called party on busy or no answer	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	Must be disabled if not supported	
Example	[user/Features] CallCompletion=0	

Configuration / User Settings

Parameter — [user/Features] Call_Waiting	Web UI Phone UI Configuration Files	Phone/Features → Call waiting Basic Settings → Call Waiting <model>.cfg, <mac>.cfg
Description	During one call, another call can be accepted	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/Features] Call_Waiting=1	

Parameter — [user/Features] Call_WaitingTone	Web UI Phone UI Configuration Files	Phone/Features → Call waiting tone N/A <model>.cfg, <mac>.cfg
Description	Call waiting is sounded acoustically	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/Features] Call_WaitingTone=1	

Configuration / User Settings

Parameter — [user/Features] DND_Code	Web UI Phone UI Configuration Files	Phone/Features → Return code when DND N/A <model>.cfg, <mac>.cfg
Description	Return code on DND	
Format	String Enum	
Default Value	480	
Range	404, 480, 486, 603 404 : not found 480 : temporarily not available 486 : busy 603 : decline	
Note		
Example	[user/Features] DND_Code=480	

Parameter — [user/Features] EnableHotline	Web UI Phone UI Configuration Files	Phone/Features → Enable hotline N/A <model>.cfg, <mac>.cfg
Description	Dial a preset number automatically on pick up	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/Features] EnableHotline=0	

Configuration / User Settings

Parameter — [user/Features] Hotlinedelay	Web UI Phone UI Configuration Files	Phone/Features → Hotline delay N/A <model>.cfg, <mac>.cfg
Description	Time after which dialling is started	
Format	Integer	
Default Value	0	
Range	min=0, max=25 sec 0:no delay	
Note		
Example	[user/Features] Hotlinedelay=0	

Parameter — [user/Features] Hotlinenumber	Web UI Phone UI Configuration Files	Phone/Features → Hotline number N/A <model>.cfg, <mac>.cfg
Description	Hotline number	
Format	Blank value OR String	
Default Value		
Range	up to 100 character except: " : < > @	
Note		
Example	[user/Features] Hotlinenumber=	

Configuration / User Settings

Parameter — [user/Features] IntercomAllow	Web UI Phone UI Configuration Files	Phone/Features → Allow intercom N/A <model>.cfg, <mac>.cfg
Description	Automatic call acceptance with SIP header enhancement Autoanswer	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/Features] IntercomAllow=1	

Parameter — [user/Features] IntercomBarge	Web UI Phone UI Configuration Files	Phone/Features → Intercom barge N/A <model>.cfg, <mac>.cfg
Description	An announcement automatically places the active call on hold or simply waits	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/Features] IntercomBarge=1	

Configuration / User Settings

Parameter — [user/Features] IntercomMute	Web UI Phone UI Configuration Files	Phone/Features → Intercom mute N/A <model>.cfg, <mac>.cfg
Description	Microphone is automatically disabled for an intercom call	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/Features] IntercomMute=1	

Parameter — [user/Features] IntercomTone	Web UI Phone UI Configuration Files	Phone/Features → Intercom tone N/A <model>.cfg, <mac>.cfg
Description	An announcement is to be signalled beforehand with an alert tone	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/Features] IntercomTone=1	

Configuration / User Settings

Parameter — [user/Features] Refuse_Code	Web UI Phone UI Configuration Files	Phone/Features → Return code when rejecting N/A <model>.cfg, <mac>.cfg
Description	Return code on pressing reject key	
Format	String Enum	
Default Value	486	
Range	404, 480, 486, 603 404 : not found 480 : temporarily not available 486 : busy 603 : decline	
Note		
Example	[user/Features] Refuse_Code=486	

Parameter — [user/Features] RejectAnonymous	Web UI Phone UI Configuration Files	Phone/Features → Reject anonymous caller N/A <model>.cfg, <mac>.cfg
Description	Reject callers without identifier automatically	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/Features] RejectAnonymous=0	

Configuration / User Settings

Parameter — [user/Features] ReserveHash	Web UI Phone UI Configuration Files	Phone/Features → Reserve # in user name N/A <model>.cfg, <mac>.cfg
Description	Transparent sending of	
Format	Bool	
Default Value	1	
Range	0 or 1 0: send # as escape (%23), 1:send # as is	
Note		
Example	[user/Features] ReserveHash=1	

5.5.9 Keylock Exception Numbers

Exception numbers can be dialed even if the phone is locked.

Parameter — [user/KeylockExceptionNums] #n #n 0..10	Web UI Phone/Features → Emergency Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	emergency numbers may be dialed despite an enabled keylock
Format	Blank value OR String
Default Value	
Range	up to 100 character except: " : < > @
Note	
Example	[user/KeylockExceptionNums] 1=110 2=112 3=113

5.5.10 Language

Parameter — [user/Lang] ActiveWebLanguage	Web UI Phone/Preferences → Web language Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Web language string, depends on factory & custom languages (typically 2-digit alphanumerical string, e.g. en)
Format	String
Default Value	en
Range	up to 100 characters
Note	
Example	[user/Lang] ActiveWebLanguage=en

Parameter — [user/Lang] CurrencyString	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Currency string for display
Format	String
Default Value	€
Range	up to 100 characters for future use
Note	
Example	[user/Lang] CurrencyString=€

Configuration / User Settings

Parameter — [user/Lang] DebugGUIPhraseParser	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
Description	Debug GUI	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	Development only	
Example	[user/Lang] DebugGUIPhraseParser=0	

Parameter — [user/Lang] Language	Web UI Phone UI Configuration Files	Phone/Preferences → Phone language Basic Settings → Selection of Language <model>.cfg, <mac>.cfg
Description	Display language string, depends on factory & custom languages (typically 2-digit alphanumerical string, e.g. en)	
Format	String	
Default Value		
Range	up to 100 characters	
Note	Leave blank to start wizard	
Example	[user/Lang] Language=en	

5.5.11 Internal call lists

Parameter — [user/PBXSync] InternalCdrIn	Web UI Phone UI Configuration Files	Contacts/Call Details → Internal call lists for incoming calls N/A <model>.cfg, <mac>.cfg
Version		
Description	Internal call lists for incoming calls	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/PBXSync] InternalCdrIn=1	

Parameter — [user/PBXSync] InternalCdrOut	Web UI Phone UI Configuration Files	Contacts/Call Details → Internal call list for outgoing calls N/A <model>.cfg, <mac>.cfg
Version		
Description	Internal call list for outgoing calls	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[user/PBXSync] InternalCdrOut=1	

5.5.12 Telephone register

Parameter — [user/PBXSync] PhoneBookMode	Web UI Phone UI Configuration Files	Contacts/Remote Phone Book → Mode N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Telephone register mode	
Format	Enum	
Default Value	0	
Range	0 to 3 0: internal, 1:LDAP, 2: XML-Phonebook, 3: XML-Minibrowser	
Note		
Example	[user/PBXSync] PhoneBookMode=0	

5.5.12.1 Settings for internal telephone register

Parameter — [user/RemotePhoneBook0] URL	Web UI Phone UI Configuration Files	Contacts/Remote Phone Book → URL N/A <model>.cfg, <mac>.cfg
Description	URL for external telephone register on Telephone register mode 0	
Format	Blank value OR String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/RemotePhoneBook0] URL=	

Configuration / User Settings

Parameter — [user/RemotePhoneBook0] UserName	Web UI Contacts/Remote Phone Book → PhoneBookXMLUser Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V2.0 or later
Description	User name for external telephone register on Telephone register mode 0 (if required)
Format	String
Default Value	
Range	any character allowed except: :
Note	
Example	[user/RemotePhoneBook0] UserName=

Parameter — [user/RemotePhoneBook0] Password	Web UI Contacts/Remote Phone Book → Password Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V2.0 or later
Description	Password for external telephone register on Telephone register mode 0 (if required)
Format	String
Default Value	
Range	any character allowed except: * = ?
Note	
Example	[user/RemotePhoneBook0] Password=

Configuration / User Settings

Parameter — [user/RemotePhoneBook0] UpdateInterval	Web UI Contacts/Remote Phone Book → Update interval Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Time interval for automatic update on Telephone register mode 0
Format	Integer
Default Value	0
Range	min=0, max=24 hours 0:never, 1:every hour,
Note	
Example	[user/RemotePhoneBook0] UpdateInterval=0

5.5.12.2 Services

Parameter — [user/Services] ActionURLUser	Web UI Contacts/Remote Phone Book → PhoneBookXMLUser Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V2.0 or later
Description	User name for external server access on action URLs (if required)
Format	String
Default Value	
Range	any character allowed except: :
Note	
Example	[user/Services] ActionURLUser=

Parameter — [user/Services] ActionURLPassword	Web UI Phone UI Configuration Files	Contacts/Remote Phone Book → Password N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Password for external server access on action URLs (if required)	
Format	String	
Default Value		
Range	any character allowed except: * = ?	
Note		
Example	[user/Services] ActionURLPassword=	

5.5.12.3 Settings for external XML telephone register

Parameter — [user/PBXSync] PhoneBookXMLServerURL	Web UI Phone UI Configuration Files	Contacts/Remote Phone Book → XML Url N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	URL for external XML telephone register on Telephone register mode 2+3	
Format	String	
Default Value		
Range	up to 500 characters	
Note	For variables in Action URLs see PBX Sync in Administrator Guide / Web Wiki.	
Example	[user/PBXSync] PhoneBookXMLServerURL=http://myServer.com/xmlUrl	

Configuration / User Settings

Parameter — [user/PBXSync] PhoneBookXMLUser	Web UI Phone UI Configuration Files	Contacts/Remote Phone Book → PhoneBookXMLUser N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	User name for external XML telephone register on Telephone register mode 2+3 (if required)	
Format	String	
Default Value		
Range	any character allowed except: :	
Note		
Example	[user/PBXSync] PhoneBookXMLUser=	

Parameter — [user/PBXSync] PhoneBookXMLPassword	Web UI Phone UI Configuration Files	Contacts/Remote Phone Book → Password N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Password for external XML telephone register on Telephone register mode 2+3 (if required)	
Format	String	
Default Value		
Range	any character allowed except: * = ?	
Note		
Example	[user/PBXSync] PhoneBookXMLPassword=	

5.5.13 Phone Settings

Parameter — [user/PhoneSetting] BackGroundImage	Web UI Phone/Preferences → Background image Phone UI Basic Settings/Display → Background Image Configuration Files <model>.cfg, <mac>.cfg
Description	System or config path of the wallpaper
Format	Blank value OR File Path
Default Value	System: Fjord2.jpg, colour display only
Range	System: <i>filename</i> OR Config: <i>filename</i> with <i>filename</i> (case sensitive), UTF-8 or 0x20 <= character <= 0x7F except / e.g. System: Alps.jpg
Note	
Example	[user/PhoneSetting] BackGroundImage=System: Fjord2.jpg

Parameter — [user/PhoneSetting] BackLight	Web UI Phone/Preferences → Active backlight level Phone UI Basic Settings/Display → Brightness Configuration Files <model>.cfg, <mac>.cfg
Description	Background lighting brightness for status Active
Format	Integer
Default Value	10
Range	min=1, max=15
Note	
Example	[user/PhoneSetting] BackLight=10

Configuration / User Settings

Parameter — [user/PhoneSetting] BackLightAutoBrightness	Web UI Phone UI Configuration Files	Phone/Preferences → Backlight auto brightness N/A <model>.cfg, <mac>.cfg
Description	Adaptive brightness in active state according to ambient light condition	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/PhoneSetting] BackLightAutoBrightness=0	

Parameter — [user/PhoneSetting] BackLightIdle	Web UI Phone UI Configuration Files	Phone/Preferences → Inactive backlight level Basic Settings/Display → Brightness in Idle Mode <model>.cfg, <mac>.cfg
Description	Background lighting brightness for status Standby	
Format	Integer	
Default Value	2	
Range	min=0, max=15	
Note		
Example	[user/PhoneSetting] BackLightIdle=2	

Configuration / User Settings

Parameter — [user/PhoneSetting] BacklightTime	Web UI Phone UI Configuration Files	Phone/Preferences → Backlight time Basic Settings/Display → Idle Mode after <model>.cfg, <mac>.cfg
Description	Switchover of background lighting from Active to Standby after time	
Format	String Enum	
Default Value	60	
Range	0, 10, 20, 30, 40, 50, 60 sec	
Note		
Example	[user/PhoneSetting] BacklightTime=60	

Parameter — [user/PhoneSetting] Contrast	Web UI Phone UI Configuration Files	Phone/Preferences → Phone display contrast N/A <model>.cfg, <mac>.cfg
Description	Display contrast	
Format	Integer	
Default Value	8	
Range	min=0, max=15	
Note	b/w display only	
Example	[user/PhoneSetting] Contrast=8	

Configuration / User Settings

Parameter — [user/PhoneSetting] GlobalRinger	Web UI Phone UI Configuration Files	Phone/Ring → Ringtone global Basic Settings → Ringtone <model>.cfg, <mac>.cfg
Description	System or Config path of the ringtone	
Format	File Path	
Default Value	System: 1 Phone Bright.wav	
Range	<System:blank OR Config:blank> AND FILENAME (case sensitive), UTF-8 or 0x20 <= character <= 0x7F except / e.g. System: 1 Phone Bright.wav	
Note		
Example	[user/PhoneSetting] GlobalRinger=System: 1 Phone Bright.wav	

Parameter — [user/PhoneSetting] ImageFont3D	Web UI Phone UI Configuration Files	N/A Basic Settings/Display → Text with Shadow <model>.cfg, <mac>.cfg
Description	Display shadow font	
Format	Bool	
Default Value	0	
Range	0 or 1 0=off, 1=on	
Note		
Example	[user/PhoneSetting] ImageFont3D=0	

Configuration / User Settings

Parameter — [user/PhoneSetting] ImageFontColor	Web UI Phone UI Configuration Files	N/A Basic Settings/Display → Font colour <model>.cfg, <mac>.cfg
Description	Display font color	
Format	Integer	
Default Value	0	
Range	min=0, max=4 0:black, 1:dark grey, 2:grey, 3: light grey, 4:white	
Note		
Example	[user/PhoneSetting] ImageFontColor=0	

Parameter — [user/PhoneSetting] InterDigitTime	Web UI Phone UI Configuration Files	Phone/Features → Inter digit time N/A <model>.cfg, <mac>.cfg
Description	Time after which dialling is automatically started	
Format	Integer	
Default Value	5	
Range	min=0, max=20 sec 0:disabled	
Note		
Example	[user/PhoneSetting] InterDigitTime=5	

Configuration / User Settings

Parameter — [user/PhoneSetting] KeyBoardDesign	Web UI Phone UI Configuration Files	Phone/Preferences → Keyboard design N/A <model>.cfg, <mac>.cfg
Description	keyboard design	
Format	Enum	
Default Value	0	
Range	0 or 1 0: QWERTZ, 1:QWERTY, alpha keyboard only	
Note		
Example	[user/PhoneSetting] KeyBoardDesign=0	

Parameter — [user/PhoneSetting] KeyLockPIN	Web UI Phone UI Configuration Files	Phone/Preferences → PIN N/A <model>.cfg, <mac>.cfg
Description	PIN for unlocking key lock	
Format	Blank value OR PIN	
Default Value	1234	
Range	min=4, max=12 digits	
Note		
Example	[user/PhoneSetting] KeyLockPIN=1234	

Configuration / User Settings

Parameter — [user/PhoneSetting] KeyLockTimeout	Web UI Phone UI Configuration Files	Phone/Preferences → Keyboard lock timeout N/A <model>.cfg, <mac>.cfg
Description	Time after which the keylock is automatically enabled	
Format	String Enum	
Default Value	0	
Range	0, 120, 1800, 300, 3600, 60, 600 sec 0:disabled	
Note		
Example	[user/PhoneSetting] KeyLockTimeout=0	

Parameter — [user/PhoneSetting] KeyLockUsePIN	Web UI Phone UI Configuration Files	Phone/Preferences → Use PIN N/A <model>.cfg, <mac>.cfg
Description	Keylock is protected by entering a PIN	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/PhoneSetting] KeyLockUsePIN=0	

Configuration / User Settings

Parameter — [user/PhoneSetting] RingerDevice	Web UI Phone UI Configuration Files	Phone/Ring → Ringer Device N/A <model>.cfg, <mac>.cfg
Description	Enables the ringtone output to be diverted to the headset	
Format	Enum	
Default Value	0	
Range	0 or 1 0:speaker, 1:headset	
Note		
Example	[user/PhoneSetting] RingerDevice=0	

Parameter — [user/PhoneSetting] ShowDefAccountOnIdle	Web UI Phone UI Configuration Files	Phone/Preferences → Show default account label on idle N/A <model>.cfg, <mac>.cfg
Version	V2.0 or later	
Description	Show default account label on idle screen (instead of time)	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note	b/w display only	
Example	[user/PhoneSetting] ShowDefAccountOnIdle=0	

Configuration / User Settings

Parameter — [user/PhoneSetting] ShowPickupInfo	Web UI Phone UI Configuration Files	Phone/Preferences → Show pickup info N/A <model>.cfg, <mac>.cfg
Description	Telephone number information for the BLF keys (busy lamps) is displayed in standby mode	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/PhoneSetting] ShowPickupInfo=0	

Parameter — [user/PhoneSetting] Theme	Web UI Phone UI Configuration Files	N/A N/A <model>.cfg, <mac>.cfg
Description	Display theme	
Format		
Default Value	0	
Range	for future use	
Note		
Example	[user/PhoneSetting] Theme=0	

Configuration / User Settings

Parameter — [user/PhoneSetting] lock	Web UI Phone UI Configuration Files	Phone/Preferences → Keyboard lock N/A <model>.cfg, <mac>.cfg
Description	Enable keylock	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/PhoneSetting] lock=0	

5.5.14 Phone Volume

Parameter — [user/PhoneVolume] HandFreeAGC	Web UI Phone UI Configuration Files	Phone/Voice → Hand free AGC N/A <model>.cfg, <mac>.cfg
Description	Hand free automatic gain control	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/PhoneVolume] HandFreeAGC=0	

Parameter — [user/PhoneVolume] HandFreeSpkVol	Web UI Phone UI Configuration Files	Phone/Voice → Hand free speaker volume Basic Settings/Volume → Volume Loudspeaker <model>.cfg, <mac>.cfg
Description	Hand free speaker volume	
Format	Integer	
Default Value	5	
Range	min=0, max=8	
Note		
Example	[user/PhoneVolume] HandFreeSpkVol=5	

Configuration / User Settings

Parameter — [user/PhoneVolume] HandSetSpkVol	Web UI Phone UI Configuration Files	Phone/Voice → Handset speaker volume volume Basic Settings/Volume → Volume Handset <model>.cfg, <mac>.cfg
Description	Hand set speaker volume	
Format	Integer	
Default Value	5	
Range	min=0, max=8	
Note		
Example	[user/PhoneVolume] HandSetSpkVol=5	

Parameter — [user/PhoneVolume] HeadSetMicVol	Web UI Phone UI Configuration Files	Phone/Voice → Headset mic volume N/A <model>.cfg, <mac>.cfg
Description	Head set mic volume	
Format	Integer	
Default Value	5	
Range	min=0, max=8	
Note		
Example	[user/PhoneVolume] HeadSetMicVol=5	

Configuration / User Settings

Parameter — [user/PhoneVolume] HeadSetSpkVol	Web UI Phone UI Configuration Files	Phone/Voice → Headset speaker volume Basic Settings/Volume → Volume Headset <model>.cfg, <mac>.cfg
Description	Head set speaker volume	
Format	Integer	
Default Value	5	
Range	min=0, max=8	
Note		
Example	[user/PhoneVolume] HeadSetSpkVol=5	

Parameter — [user/PhoneVolume] RingVol	Web UI Phone UI Configuration Files	Phone/Ring → Ringer Volume Basic Settings/Volume → Volume Ringer <model>.cfg, <mac>.cfg
Description	Ringer volume	
Format	Integer	
Default Value	5	
Range	min=0, max=8	
Note		
Example	[user/PhoneVolume] RingVol=5	

5.5.15 Pound Send

Parameter — [user/PoundSend] Enable	Web UI Phone UI Configuration Files	Phone/Features → Key as Send N/A <model>.cfg, <mac>.cfg
Description	Set how dialling is terminated	
Format	Enum	
Default Value	1	
Range	0 to 2 0:disabled, 1:#, 2:*	
Note		
Example	[user/PoundSend] Enable=1	

5.5.16 Call Forwarding On No Response (CFNR)

Parameter — [user/TimeoutFWD] Enable	Web UI Phone UI Configuration Files	Phone/Call forwarding → No answer N/A <model>.cfg, <mac>.cfg
Description	Call forwarding in timeout	
Format	Bool	
Default Value	0	
Range	0 or 1	
Note		
Example	[user/TimeoutFWD] Enable=0	

Parameter — [user/TimeoutFWD] Off_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFNR off code N/A <model>.cfg, <mac>.cfg
Description	Invite code CFNR off	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/TimeoutFWD] Off_Code=	

Configuration / User Settings

Parameter — [user/TimeoutFWD] On_Code	Web UI Phone UI Configuration Files	Phone/PBX-Sync → CFNR on code N/A <model>.cfg, <mac>.cfg
Description	Invite code CFNR on	
Format	String	
Default Value		
Range	up to 100 characters	
Note		
Example	[user/TimeoutFWD] On_Code=	

Parameter — [user/TimeoutFWD] Target	Web UI Phone UI Configuration Files	Phone/Call forwarding → Target N/A <model>.cfg, <mac>.cfg
Description	CFNR target	
Format	Blank value OR String	
Default Value		
Range	up to 100 character except: " : < > @	
Note		
Example	[user/TimeoutFWD] Target=	

Configuration / User Settings

Parameter — [user/TimeoutFWD] Timeout	Web UI Phone UI Configuration Files	Phone/Call forwarding → After ring time N/A <model>.cfg, <mac>.cfg
Description	CFNR timeout	
Format	String Enum	
Default Value	10	
Range	10, 15, 20, 25, 30, 40, 5, 50, 60 sec	
Note		
Example	[user/TimeoutFWD] Timeout=10	

5.5.17 Custom Tone Settings

Parameter — [user/ToneParam] autoanswer	Web UI Phone/Tones → Auto answer Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for autoanswer tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps unused
Note	use t1=0 for continuous tone
Example	[user/ToneParam] autoanswer=425/1000-4000

Parameter — [user/ToneParam] busy	Web UI Phone/Tones → Busy Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for busy tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps
Note	use t1=0 for continuous tone
Example	[user/ToneParam] busy=425/1000-4000

Configuration / User Settings

Parameter — [user/ToneParam] callwaiting	Web UI Phone UI Configuration Files	Phone/Tones → Call waiting N/A <model>.cfg, <mac>.cfg
Description	Custom tone scheme for callwaiting tone	
Format	String	
Default Value		
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps	
Note	use t1=0 for continuous tone	
Example	[user/ToneParam] callwaiting=425/1000-4000	

Parameter — [user/ToneParam] congestion	Web UI Phone UI Configuration Files	Phone/Tones → Congestion N/A <model>.cfg, <mac>.cfg
Description	Custom tone scheme for congestion tone	
Format	String	
Default Value		
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps	
Note	use t1=0 for continuous tone	
Example	[user/ToneParam] congestion=425/1000-4000	

Configuration / User Settings

Parameter — [user/ToneParam] dial	Web UI Phone/Tones → Dial Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for dial tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps
Note	use t1=0 for continuous tone
Example	[user/ToneParam] dial=425/1000-4000

Parameter — [user/ToneParam] dialrecall	Web UI Phone/Tones → Dial recall Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for dialrecall tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps
Note	use t1=0 for continuous tone
Example	[user/ToneParam] dialrecall=425/1000-4000

Configuration / User Settings

Parameter — [user/ToneParam] info	Web UI Phone/Tones → Info Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for info tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off][tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps unused
Note	use t1=0 for continuous tone
Example	[user/ToneParam] info=425/1000-4000

Parameter — [user/ToneParam] message	Web UI Phone/Tones → Message Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for message tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off][tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps
Note	use t1=0 for continuous tone
Example	[user/ToneParam] message=425/1000-4000

Configuration / User Settings

Parameter — [user/ToneParam] record	Web UI Phone/Tones → Record Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for record tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps
Note	use t1=0 for continuous tone
Example	[user/ToneParam] record=425/1000-4000

Parameter — [user/ToneParam] ring	Web UI Phone/Tones → Ring Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Custom tone scheme for ring tone
Format	String
Default Value	
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off]/[tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps
Note	use t1=0 for continuous tone
Example	[user/ToneParam] ring=425/1000-4000

Configuration / User Settings

Parameter — [user/ToneParam] stutter	Web UI Phone UI Configuration Files	Phone/Tones → Stutter N/A <model>.cfg, <mac>.cfg
Description	Custom tone scheme for stutter tone	
Format	String	
Default Value		
Range	up to 100 characters, f1[+f2]/t1_on[-t1_off][tx_on[-tx_off]], f=0, 300..1980 (hz), t=10..9990 (ms) in 10 ms steps	
Note	use t1=0 for continuous tone	
Example	[user/ToneParam] stutter=425/1000-4000	

Parameter — [user/Transfer] AttendTransferOnHook	Web UI Phone UI Configuration Files	Phone/Features → Transfer On-hook N/A <model>.cfg, <mac>.cfg
Description	Call transfer on hook	
Format	Bool	
Default Value	1	
Range	0 or 1 0: disconnects the active call, 1:hanging up connects the active connection with the call on hold	
Note		
Example	[user/Transfer] AttendTransferOnHook=1	

Configuration / User Settings

Parameter — [user/Transfer] EnableSemiAttendTran	Web UI Phone UI Configuration Files	Phone/Features → Semi-Attended Transfer N/A <model>.cfg, <mac>.cfg
Description	Call transfer behaviour (in idle state)	
Format	Bool	
Default Value	1	
Range	0 or 1 0: call transferring by PABX, 1: call transferring is be controlled by the phone until the target has picked the call	
Note		
Example	[user/Transfer] EnableSemiAttendTran=1	

5.5.18 User Access

Parameter — [user/UserAccess] admin	Web UI Phone UI Configuration Files	Security/Password → admin N/A <model>.cfg, <mac>.cfg
Description	Web admin password	
Format	String	
Default Value	admin	
Range	up to 20 characters (min 4 characters), any character allowed except * = ? " <i>blank</i>	
Note		
Example	[user/UserAccess] admin=admin	

Parameter — [user/UserAccess] phone	Web UI Phone UI Configuration Files	Security/Password → phone N/A <model>.cfg, <mac>.cfg
Description	Phone password, set if you want to protect the advanced settings in the phone menu	
Format	Blank value OR String	
Default Value		
Range	up to 20 characters (min 4 characters), character from a-z, A-Z and 0-9	
Note		
Example	[user/UserAccess] phone=	

Configuration / User Settings

Parameter — [user/UserAccess] provider	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Web provider password
Format	Blank value OR String
Default Value	
Range	up to 20 characters (min 4 characters), any character allowed except * = ? " <i>blank</i>
Note	Leave empty to disable provider
Example	[user/UserAccess] provider=

Parameter — [user/UserAccess] user	Web UI Security/Password → user Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Description	Web user password
Format	String
Default Value	user
Range	up to 20 characters (min 4 characters), any character allowed except * = ? " <i>blank</i>
Note	
Example	[user/UserAccess] user=user

5.5.19 Webservice

Parameter — [user/Webservice] HttpPort	Web UI Phone UI Configuration Files	Network/Advanced → HTTP Port N/A <model>.cfg, <mac>.cfg
Description	Webservice http port	
Format	Integer	
Default Value	80	
Range	min=1, max=65536 or blank	
Note	default if blank: 80	
Example	[user/Webservice] HttpPort=80	

Parameter — [user/Webservice] HttpsPort	Web UI Phone UI Configuration Files	Network/Advanced → HTTPS Port N/A <model>.cfg, <mac>.cfg
Description	Webservice https port	
Format	Integer	
Default Value	443	
Range	min=1, max=65536 or blank	
Note	default if blank: 443	
Example	[user/Webservice] HttpsPort=443	

Configuration / User Settings

Parameter — [user/Webserver] WebType	Web UI Phone UI Configuration Files	Network/Advanced → Webserver Type N/A <model>.cfg, <mac>.cfg
Description	Webserver type	
Format	Enum	
Default Value	1	
Range	0 to 3 0 =off 1 =HTTP&HTTPS 2 =HTTP only 3 =HTTPS only	
Note		
Example	[user/Webserver] WebType=1	

5.5.20 Other settings

Parameter — [user/init] DefUserAccount	Web UI Phone UI Configuration Files	Account/Global → Default user account Basic Settings → Default Account <model>.cfg, <mac>.cfg
Description	Default user account	
Format	Integer	
Default Value	0	
Range	min=0, max=8 0:undefined, 1:user 1 ...	
Note		
Example	[user/init] DefUserAccount=0	

Parameter — [user/vpm_tone_Country] Country	Web UI Phone UI Configuration Files	Phone/PBX-Sync → Select country N/A <model>.cfg, <mac>.cfg
Description	Signalling for dialling tones etc	
Format	String Enum	
Default Value	Germany	
Range	Austria, Custom, France, Germany, GreatBritain, Italy, Netherlands, Switzerland, UnitedStates	
Note	See ToneParam if 'Custom' selected	
Example	[user/vpm_tone_Country] Country=Germany	

5.6 Door station (V3.1 or later)

In Release 3.1 or later you can configure the access to a door station.

Parameter — [door/DoorStation#a] AuthName #a doorstation 1..3	Web UI Phone/Doorstation → Auth-Name Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.1 or later
Description	Authname for access to doorstation
Format	String
Default Value	
Range	up to 100 character except: :
Note	
Example	[door/DoorStation1] AuthName=

Parameter — [door/DoorStation#a] AuthPassword #a doorstation 1..3	Web UI Phone/Doorstation → Auth-Password Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.1 or later
Description	Password for access to doorstation
Format	String
Default Value	
Range	up to 100 character except: * ? =
Note	
Example	[door/DoorStation1] AuthPassword=

Configuration / Door station (V3.1 or later)

Parameter — [door/DoorStation#a] FontBackgroundColor #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Font Color N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Display font background color	
Format	Enum	
Default Value	4	
Range	0 to 10 0:black, 1:dark grey, 2:grey, 3: light grey, 4:white, 5:Yellow, 6:Red, 7:Green, 8:Blue, 9:Cyan, 10:Magenta	
Note		
Example	[door/DoorStation1] FontBackgroundColor=4	

Parameter — [door/DoorStation#a] FontColor #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Font Color N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Display font color	
Format	Enum	
Default Value	0	
Range	0 to 10 0:black, 1:dark grey, 2:grey, 3: light grey, 4:white, 5:Yellow, 6:Red, 7:Green, 8:Blue, 9:Cyan, 10:Magenta	
Note		
Example	[door/DoorStation1] FontColor=0	

Configuration / Door station (V3.1 or later)

Parameter — [door/DoorStation#a] FontOpac #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Alpha Blending N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Alpha Blending	
Format	Integer	
Default Value	0	
Range	min=0, max=100	
Note		
Example	[door/DoorStation1] FontOpac=0	

Parameter — [door/DoorStation#a] Label #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Label N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Text displayed on your phone	
Format		
Default Value	(empty)	
Range		
Note		
Example	[door/DoorStation1] Label=(empty)	

Configuration / Door station (V3.1 or later)

Parameter — [door/DoorStation#a] OpenerMode #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Opener-Mode N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Set how dialling is terminated	
Format	Enum	
Default Value	0	
Range	0 to 2 0:disabled, 1:Web-URL, 2:DTMF	
Note		
Example	[door/DoorStation1] OpenerMode=0	

Parameter — [door/DoorStation#a] OpenerURL #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Opener-Parameter N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Parameter: URL or DTMF-Code	
Format	String	
Default Value		
Range	up to 500 character	
Note		
Example	[door/DoorStation1] OpenerURL=	

Configuration / Door station (V3.1 or later)

Parameter — [door/DoorStation#a] PictureURL #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Picture-URL N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	URL of the doorstation	
Format	String	
Default Value		
Range	up to 500 character	
Note		
Example	[door/DoorStation1] PictureURL=	

Parameter — [door/DoorStation#a] Refresh #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Refresh rate N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	Refresh time for Picture	
Format	Enum	
Default Value	1000	
Range	500 to 60000 msec	
Note		
Example	[door/DoorStation1] Refresh=1000	

Configuration / Door station (V3.1 or later)

Parameter — [door/DoorStation#a] Ringer #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → Ringtone N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	System or Config path of the ringtone	
Format	Blank value OR File Path	
Default Value	System: 1 Phone Bright.wav	
Range	<System:blank OR Config:blank> AND FILENAME (case sensitive), UTF-8 or 0x20 <= character <= 0x7F except /	
Note		
Example	[door/DoorStation1] Ringer=System: 1 Phone Bright.wav	

Parameter — [door/DoorStation#a] SipID #a doorstation 1..3	Web UI Phone UI Configuration Files	Phone/Doorstation → SIP ID N/A <model>.cfg, <mac>.cfg
Version	V3.1 or later	
Description	SIP-ID of the doorstation	
Format	String	
Default Value		
Range	up to 100 character except: " : < > @	
Note		
Example	[door/DoorStation1] SipID=	

Configuration / Door station (V3.1 or later)

Parameter — [door/DoorStation#a] Type	Web UI N/A Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
#a doorstation 1..3	
Version	V3.1 or later
Description	Type
Format	Enum
Default Value	0
Range	0 or 0
Note	not supported
Example	[door/DoorStation1] Type=0

5.7 Internal Voicemail (V3.0 or later, license required)

In Release 3.0 or later you can use the internal voicemail. You have to purchase a license for your phone to activate this feature.

Parameter — [vm/AlertInfo#a] Text #a 0..9	Web UI Phone UI Configuration Files #a 1..10	Phone Voicemail/Alert-Info → External Alert-Info #a N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	Alert Info	
Format	String	
Default Value		
Range	up to 100 character	
Note		
Example	[vm/AlertInfo0] Text=	

Parameter — [vm/AlertInfo#a] ogmIdx #a 0..9	Web UI Phone UI Configuration Files #a 1..10	Phone Voicemail/Alert-Info → Internal OGM #a N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	OGM index assigned to alert info	
Format	Integer	
Default Value	0	
Range	min=0, max=10 or blank	
Note		
Example	[vm/AlertInfo4] ogmIdx=0	

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/accounts] Enable#a #a 0..7	Web UI Phone UI Configuration Files #a 1..8	Phone Voicemail/Settings → Voicemail Account #a N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	enable vm for account #a	
Format	Bool	
Default Value	1	
Range	0 or 1	
Note		
Example	[vm/accounts] Enable0=1	

Parameter — [vm/accounts] ogmIdx#a #a 0..7	Web UI Phone UI Configuration Files #a 1..8	Phone Voicemail/Settings → OGM Account #a N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	OGM for account #a	
Format	Integer	
Default Value	0	
Range	0: default, 1..10: OGM 1..10	
Note		
Example	[vm/accounts] ogmIdx7=2	

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/globals] Language	Web UI Phone Voicemail/Settings → Language Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	language for voiceprompts and build in messages (typically 2-digit alphanumerical string, e.g. en
Format	String Enum
Default Value	en
Range	de, en, fr, it, nl
Note	
Example	[vm/globals] Language=en

Parameter — [vm/globals] PickUpTime	Web UI Phone Voicemail/Settings → Time until call pick-up Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	pick up time
Format	String Enum
Default Value	15
Range	0, 10, 15, 20, 30, 40, 5, 50, 60 sec
Note	
Example	[vm/globals] PickUpTime=15

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/globals] RecSpkVol	Web UI Phone UI Configuration Files	Phone Voicemail/Settings → Recording speaker volume N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	speaker volume while recording	
Format	Integer	
Default Value	0	
Range	min=0, max=8	
Note		
Example	[vm/globals] RecSpkVol=0	

Parameter — [vm/globals] RecordingTime	Web UI Phone UI Configuration Files	Phone Voicemail/Settings → Maximum recording capacity N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	recording time	
Format	Integer	
Default Value	1	
Range	min=1, max=60 min	
Note		
Example	[vm/globals] RecordingTime=1	

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/globals] StandBy	Web UI Phone Voicemail/Settings → Stand-by mode Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	Stand by mode
Format	Enum
Default Value	0
Range	0 or 1 0:off, 1:on
Note	
Example	[vm/globals] StandBy=0

Parameter — [vm/globals] TwoWayRecording	Web UI Phone Voicemail/Settings → Allow Two-way recording Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	enable two way recording
Format	Bool
Default Value	1
Range	0 or 1
Note	
Example	[vm/globals] TwoWayRecording=1

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/ogm#a] ogmLabel #a ogm 0..9	Web UI Phone UI Configuration Files #a 1..10	Phone Voicemail/Outgoing Messages → OGM#a Label N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	ogm label	
Format	String	
Default Value		
Range	up to 100 character	
Note		
Example	[vm/ogm0] ogmLabel=	

Parameter — [vm/ogm#a] ogmType #a ogm 0..9	Web UI Phone UI Configuration Files #a 1..10	Phone Voicemail/Outgoing Messages → OGM#a with recording ICM N/A <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required	
Description	ogm type	
Format	Enum	
Default Value	1	
Range	0 or 1 0:OGM only (no recording), 1:recording	
Note		
Example	[vm/ogm0] ogmType=1	

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/remote] DeleteMsg	Web UI Phone Voicemail/Settings → Remote deletion Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	Delete Messages on/off
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[vm/remote] DeleteMsg=0

Parameter — [vm/remote] Enable	Web UI Phone Voicemail/Settings → Remote control Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	Enable remote control for voicemail
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[vm/remote] Enable=0

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/remote] PIN	Web UI Phone Voicemail/Settings → Remote access code Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	PIN
Format	Blank value OR PIN
Default Value	
Range	min=4, max=8 digits
Note	
Example	[vm/remote] PIN=

Parameter — [vm/remote] QRC1	Web UI Phone Voicemail/Settings → Quick Remote Control (QRC) 1 Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	Quick Remote Control (QCR) 1
Format	String
Default Value	
Range	up to 100 character except: " : < > @
Note	
Example	[vm/remote] QRC1=

Configuration / Internal Voicemail (V3.0 or later, license required)

Parameter — [vm/remote] QRC2	Web UI Phone Voicemail/Settings → Quick Remote Control (QRC) 2 Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	Quick Remote Control (QRC) 2
Format	String
Default Value	
Range	up to 100 character except: " : < > @
Note	
Example	[vm/remote] QRC2=

Parameter — [vm/remote] RemoteActivation	Web UI Phone Voicemail/Settings → Remote activation of VB activity Phone UI N/A Configuration Files <model>.cfg, <mac>.cfg
Version	V3.0 or later, license required
Description	RemoteActivation on/off
Format	Bool
Default Value	0
Range	0 or 1
Note	
Example	[vm/remote] RemoteActivation=0

6 History of this document

Doc Version	Date	Firmware	Chapter	Changes
1.1			3	Autoaction doku completed
2.0		2.0		new settings in version 2.0: <ul style="list-style-type: none"> • access control for configuration items • configuration for control keys • fkeys CLIR and LDAP • settings for remote Phonebook / LDAP • user name & password for remote server • config item ShowDefAccountOnIdle
2.1	8.11.13	2.0.83	3	handling of access control improved: <ul style="list-style-type: none"> • set permission for configuration items by adding „_perm“ to the key name • setting permissons via <model>.cfg and <mac>.cfgrev 13008 • key „ChangeCodec_perm“ instead of „perm“ for access control to SIP audio codecs
2.1.1	12.11.13	2.0.86		Restrictions for some SIP Parameter changed: Label, DisplayName, VoiceMailNumber, SIPServerRealm, Hotlinenumber, Cfx – Target, EmergencyNumbers, Useragent: not allowed character: " : <> @
2.1.2	21.11.13	2.0.92		DST settings added for AT,BE,LU Hotlinedelay 0..25 instead of 0..60 DTMFPayload 111,120+122 not allowed
2.1.3	22.11.13	2.0.93		Timezone minutes allowed Test TimeZone vs. TimeZoneName implemented
	29.11.13	2.0.103		number of files for background-, contact images + ringtones limited
	25.2.14	2.0.156		[user/vpm_tone_Country] Country – token for USA und GB changed
	13.5.14	2.0.250	SIP	allow any character in SIP label and auth name
	25.7.14	2.0.304	Network	VLAN on PC-Port
	14.8.14	2.0.317	Autopro- visioing	scheduling default values changed from 00:00-24:00 to 01:00-05:00
3.0	1.10.14	3.0.144		new settings in version 3.0: <ul style="list-style-type: none"> • softkeys XML configuration • license keys management • new function keys: menu_entry, picture, vm_switch • Useragent may contain variables, e.g. {<i>firmware</i>}
3.1	19.11.14	3.1.xx	VPN	VPN configuration
	12.02.15	3.1.xx	VPN	ReregisterOnNewWANIP option VPN
	03.03.15	3.1.xx	VM, door	settings for voicemail added (Rel 3.0 or later) settings for door station added (Rel 3.1 or later)
	24.03.15	3.1.xx	door statiom	new parameter: FontBackgroundColor

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