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Business IP Range
Administration and Provisioning Manual

Temporis IP100/ IP150/ IP151/ IP251G/IP300/
IP301G/ IP700G/ IP701G
Alcatel IP2015/ IP2115
Conference IP1850

Edition 2.2, Oct 2016

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Congratulations on your purchase of this Alcatel product. Before using it, please read Important Safety Information on page 246 of this manual. Please thoroughly read this manual for all the feature operations and troubleshooting information necessary to install and operate your new product. You can also visit our website at alcatel-business.com.

This manual provides instructions for using Temporis IP100/ IP150/ IP300/ IP700G, Alcatel IP2015, Conference IP1850 models with software version 1.1.1.A or newer, and IP151/IP251G/IP301G/IP701G, Alcatel IP2115 with software version 2.0.4.A or newer. Instructions are also applicable for the administration of IP315, IP370, IP715G and IP770G bundles with cordless accessories. See page 58 for instructions on checking the software version on the desktop phones, or page 75 to do the same on the cordless handsets.

Parts checklist

Your telephone package contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.

	Temporis IP100 IP150 IP151 IP251G	Temporis IP150M	Temporis IP300 IP301G IP700G	Temporis IP700G	Alcatel IP2015 IP2115	Conference IP1850
Quick User Guide	✓	✓	✓	✓	✓	✓
Handset and handset cord	✓	✓	✓	✓		
Phone base/main unit	✓	✓	✓	✓	✓	✓
Foot stand	✓	✓	✓	✓		
Wall mount accessory	✓	✓		✓	✓	
Ethernet cable	✓	✓	✓	✓	✓	✓
PSU or power injector		✓			✓	✓
Cordless handset					✓	
Cordless microphones						✓
Batteries or battery pack					✓	✓
Charging cradle with PSU					✓	

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Introduction

This administration and provisioning guide contains detailed instructions for installing and configuring your **Temporis IP100, Temporis IP150, Temporis IP151, Temporis IP251G, Temporis IP300, Temporis IP301G, Temporis IP700G, Temporis IP701G,** all IP3xx and IP7xx bundles with cordless accessories, **Alcatel IP2015, Alcatel IP2115 and Conference IP1850**. Please read this guide before installing the telephone.

Audience

This guide is written for installers and system administrators. It assumes that you are familiar with networks and VoIP, both in theory and in practice. This guide also assumes that you have ordered your IP PBX service and selected which PBX features you want to implement. This guide does not reference specific IP PBX services except for features or parameters that have been designed for a specific service. Please consult your service provider for recommended switches, routers, and firewall and NAT traversal settings, and so on.

As the product range becomes certified for IP PBX services, we may make available interoperability guides for those specific services. These will recommend second-party devices and settings, along with deskset-specific configurations for optimal performance with those services. Contact your distributor or installer for the latest updates.

Related documents

Quick Start Guide contains a quick reference guide to the device external features and brief instructions on connecting it to a working IP PBX system. This document exists in different language versions.

Connection sheet contains connection instructions in multiple languages on a single document.

Documents are available from our website at alcatel-business.com.

Getting started

Alcatel business IP range includes full-featured business phones designed to work with popular SIP telephone (IP PBX) services. Once you have ordered and configured your SIP service, the device enables you to make and receive calls as you would with any other business phone. The phones provide calling features like hold, transfer, conferencing, speakerphone, intercom, quick dial numbers and one-touch voicemail access.

Depending on the models, there are one or two network ports, known as LAN port and PC port, at the back of the desk set. The LAN port allows the phones to connect to the IP PBX via a router. The PC port is for another device such as a personal computer to connect to the Ethernet network through the desk set.

You can configure the terminal using its own menus, a browser-based interface called the WebUI, or an automatic provisioning process (see Provisioning Using Configuration Files on page 193).

The WebUI enables you to configure the device using a PC that is connected to the same Local Area Network. The WebUI resides on the phone, and is updated with any firmware updates.

Desktop phones have dual-function programmable keys to which quick-dial numbers, lines, or other functions like monitoring other extensions in the system can be assigned. Programmable keys have two-color LEDs to indicate call activity.

These telephones support caller ID with call waiting service and can store up to 200 Call Log entries. Local and network phonebooks like LDAP are supported.

DECT enabled models (IP300, IP301G, IP700G, IP701G, IP2015, IP2115, IP1850) additionally offer mobility.

We will briefly tour you around the different models.

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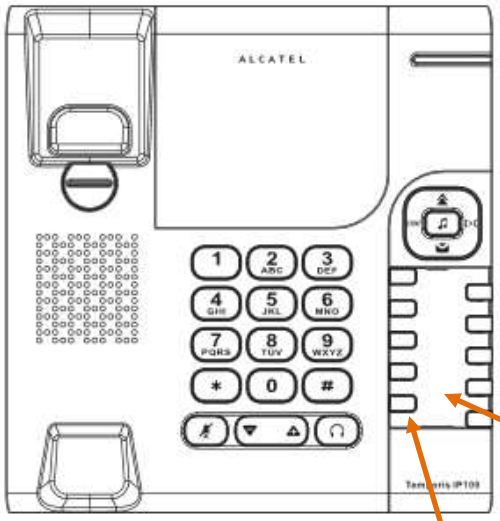
Temporis IP100

Temporis IP100 is an entry-level business phone. Its features include:

On hook dialing, headset, hold and mute
1 sip registration
2 active SIP sessions
3-way conferencing, N-way network conferencing
10 dual-function programmable keys, 5 with bicolor led and 2 pages
10 speed dial numbers (long press dial keypad)
Message waiting alert LED
Single 10/100 Mbps Ethernet ports
Power over Ethernet
100-entry Call Log and downloadable local phonebook accessible from WUI

Quick reference guide

The controls you will need to use to manage the phone and external features that are relevant to installation and configuration are described below.



Programmable keys
Can be programmed to perform various functions or access various features.
For example:

- Press to access a line to make a call
- Press to dial a monitored extension or a quick-dial number
- Press to answer a ringing call on any line or monitored extension

Directory card
To write names on the directory card, pull out the directory card from under the plastic cover.

A fill-in printable template is available at extranet.alcatel-business.com

RJ9 Corded headset input (on side)

Access F11 To F20
Press F5 to switch to the second possible value of a programmable key.

Note: This is the default setting. You can configure F5 to perform other functions

Redial
Press to redial last called number

Transfer
Press to initiate a call transfer towards a new call, or to bridge two already established calls

Conference
Press to initiate a conference with a new call, or to set up a conference with two already established calls

Voicemail
Press to call to your Voicemail

The following table includes some useful star codes to help you quickly configure IP100. To invoke a command simply dial the sequence in on-hook mode.

Purpose	Command	Remarks
IP address announcement	*123456#	
Static IP configuration	*782842#x*x*x*x#y*y*y*y#z*z*z*z#	x*x*x*x = IP address y*y*y*y = subnet mask z*z*z*z = default gateway
Switch VLAN off	* 7 8 2 8 4 3 # 0 # #	
Switch VLAN ON plus edit VID	* 7 8 2 8 4 3 # 1 # ???? #	???? = VLAN ID

Programmable Keys

The table below lists the default settings for the programmable keys. The key assignments on your phone may be different. Some keys may be programmed as Quick Dial keys, or access to other functions like Call forward, for example.

Keys are numbered from top left to bottom left, and then top right to bottom right. Note keys 11 to 20 are virtual, ie they are accessed when key 5 is configured as Access to F11-F20

Key Number	Setting
1	Line 1*
2	Line 1
3	Quick dial
4	Quick dial
5	Access to F11-F20
6-14	Quick dial
15	Access to F11-F20
16-20	Quick dial

* You can assign more than one key to a certain type of function. For example, you can configure keys 1 and 2 to access Line 1. Label the keys appropriately for deskset users after configuration. A printable fill-in template is available for download at extranet.alcatel-business.com

To assign functions to programmable keys, please see Programmable Function Keys on page 118.

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Temporis IP150 (M)

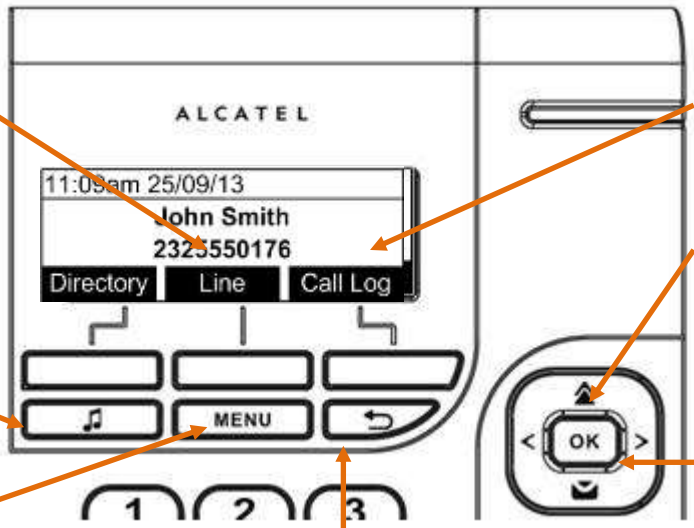
Temporis IP150 is an entry level business phone. Its features include:

2.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 2 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
10 dual-function programmable keys, 5 with bicolor led
Customizable softkeys and logo
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100 Mbps Ethernet ports with Power over Ethernet
100-entry Call Log, downloadable local and LDAP phonebooks

While Temporis IP150 supports PoE, Temporis IP150M does not and requires a power supply to work. Apart from this difference, they are exactly the same in terms of features, firmware and configuration.

Quick reference guide

The controls you will need to use to configure the phone manually are described below.



Line
Press to change dial-out account (shown if second sip account is registered only)

Call Log
Press to quickly access **Call Log** menu

OK
Press to select a menu item or save an entry or setting.

Hold key
In conversation, press to place active call on hold.

In idle mode, press to quickly access **Network Status** menu

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings.

Press ◀ or ▶ to navigate through softkey pages

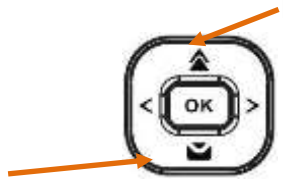
While entering names or numbers, press ◀ or ▶ to move the cursor left or right.

MENU
Press to enter the menu.

CANCEL
While in a menu, press to cancel an operation and exit the menu.

In idle mode, long press to **reboot** the phone

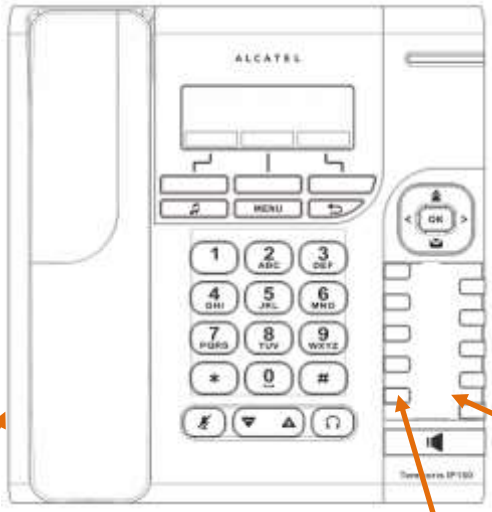
Navigation key also provides shortcuts to the following functions in idle mode:



Redial
Press to access redial list

Voicemail
Press to access Voicemail menu

The deskset external features that are relevant to installation and configuration are described below.



Programmable keys
Can be programmed to perform various functions or access various features.
For example:

- Press to access a line to make a call
- Press to dial a monitored extension or a quick-dial number
- Press to answer a ringing call on any line or monitored extension

Directory card
To write names on the directory card, pull out the directory card from under the plastic cover.

A fill-in printable template is available at extranet.alcatel-business.com

RJ9 Corded headset input (on side)

Access F11 To F20
Press F5 to switch to the second possible value of a programmable key.

Note: This is the default setting. You can configure F5 to perform other functions

Programmable Keys

The table below lists the default settings for the programmable keys. The key assignments on your phone may be different. Some keys may be programmed as Quick Dial keys, or access to other functions like Call forward, for example.

Keys are numbered from top left to bottom left, and then top right to bottom right. Note keys 11 to 20 are virtual, ie they are accessed when key 5 is configured as Access to F11-F20

Key Number	Setting
1	Line 1*
2	Line 1
3	Quick dial
4	Quick dial
5	Access to F11-F20
6-14	Quick dial
15	Access to F11-F20
16-20	Quick dial

* You can assign more than one key to a certain type of function. For example, you can configure keys 1 and 2 to access Line 1, and keys 3 and 4 to access Line 2. Label the keys appropriately for deskset users after configuration. A printable fill-in template is available for download at extranet.alcatel-business.com

To assign functions to programmable keys, please see Programmable Function Keys on page 118

Temporis IP151

Temporis IP151 is an entry level business phone. Its features include:

2.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 2 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
10 dual-function programmable keys, 5 with bicolor led
Customizable softkeys, hardkeys, logo, ringtone and language, XML browser, action urls
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100 Mbps Ethernet ports with Power over Ethernet
IPv6 support
200-entry Call Log, 1000-entry downloadable local phonebook, LDAP

Quick reference guide

The controls you will need to use to configure the phone manually are the same as in IP150. Please refer to Temporis IP150 Quick reference guide chapter on page 11.

Programmable Keys

Usage and default values are the same as in IP150. Please refer to Temporis IP150 Programmable Keys chapter on page 12.

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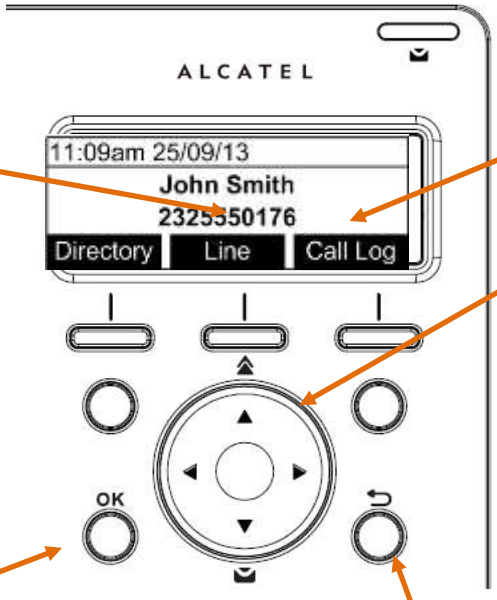
Temporis IP251G

Temporis IP251G is an entry level business phone. Its features include:

2.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 2 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
2 programmable keys with bicolor led backlight
Customizable softkeys, hardkeys, logo, ringtone and language, XML browser, action urls
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100/1000 Mbps Ethernet ports with Power over Ethernet
IPv6 support
200-entry Call Log, 1000-entry downloadable local phonebook, LDAP

Quick reference guide

The controls you will need to use to configure the phone manually are described below.



Line
Press to change dial-out account (shown if second sip account is registered only)

Call Log
Press to quickly access **call lists** menu

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings.

Press ◀ or ▶ to navigate through softkey pages

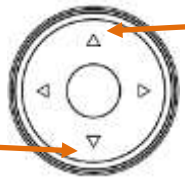
While entering names or numbers, press ◀ or ▶ to move the cursor left or right.

OK
Press to enter the menu, to select a menu item or save an entry or setting.

CANCEL
While in a menu, press to cancel an operation and exit the menu.

In idle mode, press to see **Network status,** or press once and then long press to **reboot** the phone

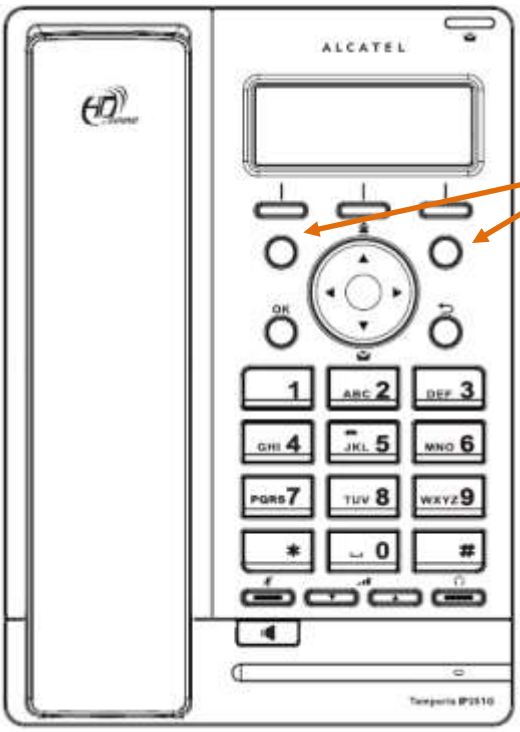
Navigation key also provides shortcuts to the following functions in idle mode:



Redial
Press to access redial list

Voicemail
Press to access Voicemail menu

The deskset external features that are relevant to installation and configuration are described below.



Programmable keys with backlight
Can be programmed to perform various functions or access various features.
For example:

Press to access a line to make a call

Press to dial a monitored extension or a quick-dial number

Press to answer a ringing call on any line or monitored extension

See also Programmable Keys on page 15.

2.5mm corded headset input (on side)

Programmable Keys

The table below lists the default settings for the programmable keys. The key assignments on your phone may be different. Some keys may be programmed as Quick Dial keys, or access to other functions like Call forward, for example.

Key Number	Setting
1	Line 1*
2	Line 1

* You can assign more than one key to a certain type of function. For example, you can configure keys 1 and 2 to access Line 1, or one of the keys to access Line 2.

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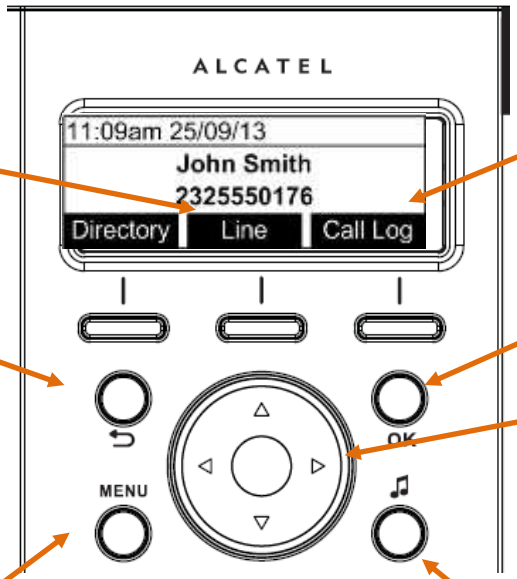
Temporis IP300

Temporis IP300 is a mid-range business phone with cordless capabilities. Its features include:

2.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 3 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
IP70H DECT headset and IP15 DECT handset support
12 dual-function programmable keys with bicolor led
Customizable softkeys and logo
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100 Mbps Ethernet ports with Power over Ethernet
200-entry Call Log, downloadable local and LDAP phonebooks

Quick reference guide

The controls you will need to use to configure the phone manually are described below.



Line
Press to change dial-out account (shown if second sip account is registered only)

Call Log
Press to quickly access **call lists** menu

OK
Press to select a menu item or save an entry or setting.

CANCEL
While in a menu, press to cancel an operation and exit the menu.

In idle mode, long press to **reboot** the phone

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings.

Press ◀ or ▶ to navigate through softkey pages

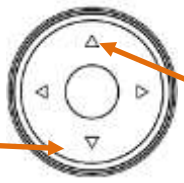
While entering names or numbers, press ◀ or ▶ to move the cursor left or right.

MENU
Press to enter the menu.

Hold key
In conversation, press to place active call on hold.

In idle mode, press to quickly access **Network Status** menu

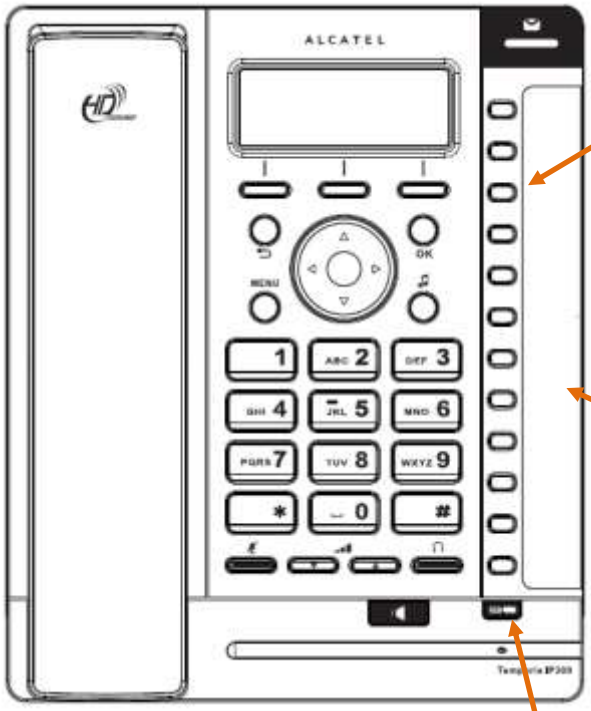
Navigation key also provides shortcuts to the following functions in idle mode:



Voicemail
Press to access Voicemail menu

Redial
Press to access redial list

The deskset external features that are relevant to installation and configuration are described below.



Programmable keys
Can be programmed to perform various functions or access various features.
For example:

Press to access a line to make a call

Press to dial a monitored extension or a quick-dial number

Press to answer a ringing call on any line or monitored extension

See also Programmable Keys on page 15.

Directory card
To write names on the directory card, pull out the directory card from under the plastic cover.

A fill-in printable template is available at extranet.alcatel-business.com

2.5mm corded headset input (on side)

Access F13 to F24
Press this key to switch to the second possible value of a programmable key.

Programmable Keys

The table below lists the default settings for the programmable keys. The key assignments on your phone may be different. Some keys may be programmed as Quick Dial keys, or access to other functions like Call forward, for example.

Key Number	Setting
1	Line 1*
2	Line 1
3-12	Quick dial

* You can assign more than one key to a certain type of function. For example, you can configure keys 1 and 2 to access Line 1, and keys 3 and 4 to access Line 2. Label the keys appropriately for deskset users after configuration.

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Temporis IP301G

Temporis IP301G is a mid-range business phone with cordless capabilities. Its features include:

2.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 3 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
IP70H DECT headset and IP15 DECT handset support
12 dual-function programmable keys with bicolor led
Customizable softkeys, hardkeys, logo and ringtone, XML browser, action urls
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100/1000 Mbps Ethernet ports with Power over Ethernet
IPv6 support
200-entry Call Log, 1000-entry downloadable local phonebook, LDAP

Quick reference guide

The controls you will need to use to configure the phone manually are the same as for IP300. Please check Temporis IP300 Quick reference guide on page 14.

Programmable Keys

Usage and default values are the same as in IP300. Please refer to Temporis IP300 Programmable Keys chapter on page 15.

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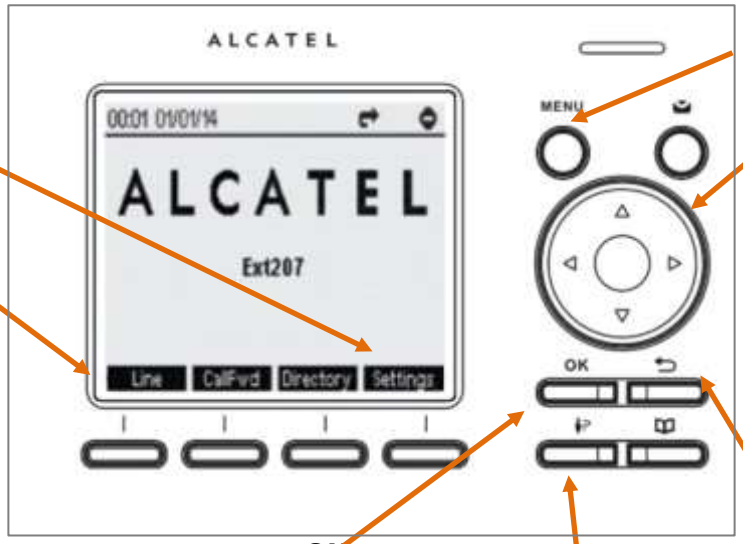
Temporis IP700G

Temporis IP700G is a feature business phone with cordless capabilities. Its features include:

3.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 6 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
IP70H DECT headset and IP15 DECT handset support
16 dual-function programmable keys with bicolor led
Customizable softkeys and logo
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100/1000 Mbps Ethernet ports
Power over Ethernet enabled
200-entry Call Log, downloadable local and LDAP phonebooks

Quick reference guide

The controls you will need to use to configure the phone manually are described below.



Settings
Press to access Settings menu

Line
Press to change dial-out account (shown if more than one sip account is registered only)

MENU
Press to enter the menu.

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings.

Press ◀ or ▶ to navigate through softkey pages

While entering names or numbers, press ◀ or ▶ to move the cursor left or right.

OK
Press to select a menu item or save an entry or setting.

Call Log
Press to quickly access **call lists** menu

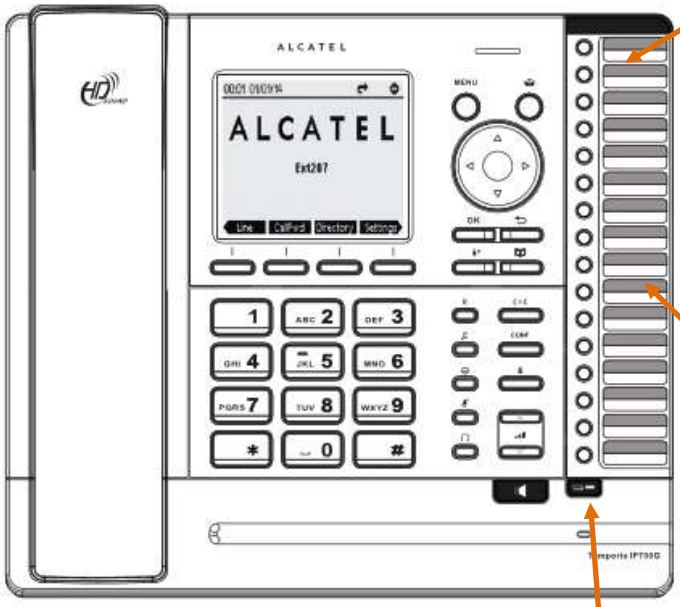
CANCEL
While in a menu, press to cancel an operation and exit the menu.

In idle mode, long press to **reboot** the phone

Hold key
In conversation, press to place active call on hold.

In idle mode, press to quickly access **Network Status** menu

The deskset external features that are relevant to installation and configuration are described below.



Programmable keys
Can be programmed to perform various functions or access various features.
For example:

Press to access a line to make a call

Press to dial a monitored extension or a quick-dial number

Press to answer a ringing call on any line or monitored extension

See also Programmable Keys on page 20.

Directory card
To write names on the directory card, pull out the directory card from under the plastic cover.

A fill-in printable template is available at extranet.alcatel-business.com

2.5mm corded headset input (on side)

Access F13 to F24
Press this key to switch to the second possible value of a programmable key.

Programmable Keys

The table below lists the default settings for the programmable keys. The key assignments on your phone may be different. Some keys may be programmed as Quick Dial keys, or access to other functions like Call forward, for example.

Key Number	Setting
1	Line 1*
2	Line 1
3-16	Quick dial

* You can assign more than one key to a certain type of function. For example, you can configure keys 1 and 2 to access Line 1, and keys 3 and 4 to access Line 2. Label the keys appropriately for deskset users after configuration.

ALCATEL
home & business phones

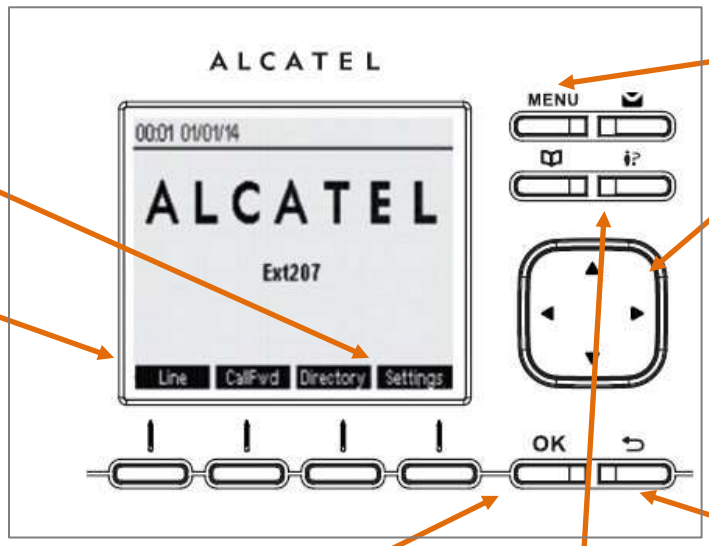
Temporis IP701G

Temporis IP701G is a feature business phone with cordless capabilities. Its features include:

3.5-inch backlit Liquid Crystal Display
Speakerphone, Headset, Hold and Mute
Up to 6 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing
IP70H DECT headset and IP15 DECT handset support
16 dual-function programmable keys with bicolor led
Customizable softkeys, hardkeys, logo and ringtone, XML browser, action urls
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Dual 10/100/1000 Mbps Ethernet ports with Power over Ethernet
IPv6 support
200-entry Call Log, 1000-entry downloadable local phonebook, LDAP

Quick reference guide

The controls you will need to use to configure the phone manually are described below.



Settings
Press to access Settings menu

Line
Press to change dial-out account (shown if more than one sip account is registered only)

MENU
Press to enter the menu.

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings.

Press ◀ or ▶ to navigate through softkey pages

While entering names or numbers, press ◀ or ▶ to move the cursor left or right.

Hold key
In conversation, press to place active call on hold.

In idle mode, press to quickly access **Network Status** menu

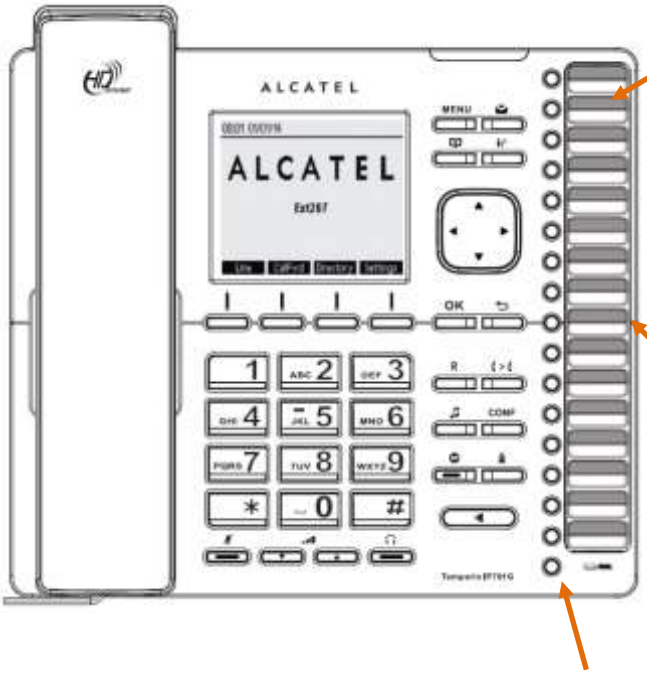
OK
Press to select a menu item or save an entry or setting.

Call Log
Press to quickly access **call lists** menu

CANCEL
While in a menu, press to cancel an operation and exit the menu.

In idle mode, long press to **reboot** the phone

The deskset external features that are relevant to installation and configuration are described below.



Programmable keys
Can be programmed to perform various functions or access various features.
For example:

Press to access a line to make a call

Press to dial a monitored extension or a quick-dial number

Press to answer a ringing call on any line or monitored extension

See also Programmable Keys on page 20.

Directory card
To write names on the directory card, pull out the directory card from under the plastic cover.

A fill-in printable template is available at extranet.alcatel-business.com

2.5mm corded headset input (on side)

Access F13 to F24
Press this key to switch to the second possible value of a programmable key.

Programmable Keys

The table below lists the default settings for the programmable keys. The key assignments on your phone may be different. Some keys may be programmed as Quick Dial keys, or access to other functions like Call forward, for example.

Key Number	Setting
1	Line 1*
2	Line 1
3-16	Quick dial

* You can assign more than one key to a certain type of function. For example, you can configure keys 1 and 2 to access Line 1, and keys 3 and 4 to access Line 2. Label the keys appropriately for deskset users after configuration.

ALCATEL
home & business phones

Alcatel IP2015/IP2115

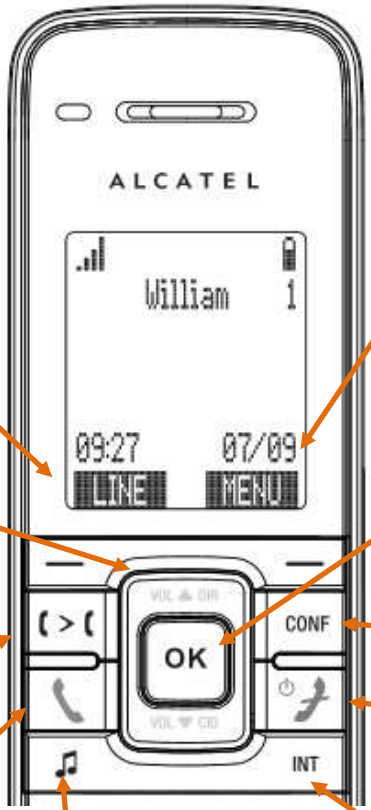
Alcatel IP2015/IP2115 are multiline multi-handset IP DECT systems. Basic package includes one base and one handset. IP2015/IP2115 features include:

Out-of-sight, wall mountable, PoE enabled base station
Up to 6 independent SIP Registrations
Up to 6 IP15 handsets supported per base, with over-the air sw upgrade (SUOTA)
Up to 4 concurrent wideband calls per base
3-way conferencing, N-way network conferencing
Shared and LDAP phonebooks
10/100 Mbps Ethernet port
IPv6 support (IP2115 only)

As for the IP15 handset:
1.9-inch backlit Liquid Crystal Display
Wideband audio, hands free
Headset jack and belt clip
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
Access to local, shared and LDAP phonebooks
Easy access to business functions

Quick reference guide

The controls you will need to use to configure the phone manually are described below.



Line
Press left softkey in idle mode to select dial-out account

MENU
Press right softkey in idle mode to enter the menu.

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings. While entering names or numbers, press ▲ or ▼ to move the cursor left or right.

OK
Press to select a menu item, display available options, toggle among two options or save an entry or

CONF
Press to start a 3 way call

Transfer
Press to start a call transfer

Talk off/Power
Press to release a call.
Or to switch on/off (long press)

Talk
Press to answer or start a call

Call Hold
Press to put active call on hold

Intercom
Press to start an internal call to other handsets

Although there are often dedicated menu items, navigation key also provides shortcuts to the following functions:

CID/VOL -
In idle mode press to quickly access Call Logs menu

When in a call press to decrease received audio volume

At incoming call press to decrease ringer level

DIR/VOL +
In idle mode press to quickly access Contacts menu

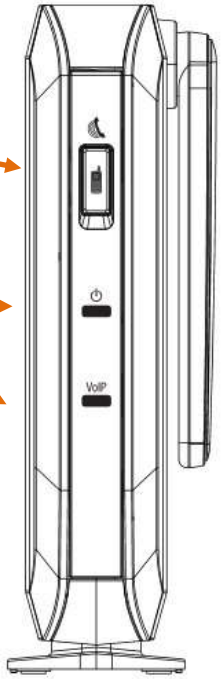
When in a call press to increase received audio volume

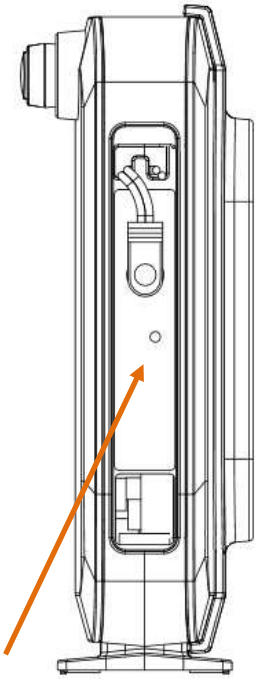
At incoming call press to increase ringer level

The elements of the base unit you need to consider are the following:

Paging/Registration button
Press to locate all registered handsets.
Long press to set the base unit into DECT registration mode

Power and VoIP LEDs
Status indication is as follows:





Status	Power	VoIP
Connected to router and IP address assigned	ON	
IP address not available	Flash	
All accounts registered		ON
At least one active account unregistered		OFF
DECT registration mode	Flash	Flash

RESET
Press with a paper clip or sharp object to restore the unit to its default settings.

ALCATEL
home & business phones

Conference IP1850

Conference IP1850 is an advanced audioconference device. Its features include:

Wideband, high power speaker
2 embedded microphones
4 detachable wireless microphones with built-in charging cradle
2.5-inch backlit Liquid Crystal Display
Up to 3 SIP Registrations
Up to 6 active SIP sessions
3-way conferencing, N-way network conferencing, hold, mute, transfer
USB connector for PC audio device mode
Customizable softkeys and logo
10 speed dial numbers (long press dial keypad)
Message Waiting alert LED
10/100 Mbps Ethernet ports
Power injector
200-entry Call Log, local and LDAP phonebooks

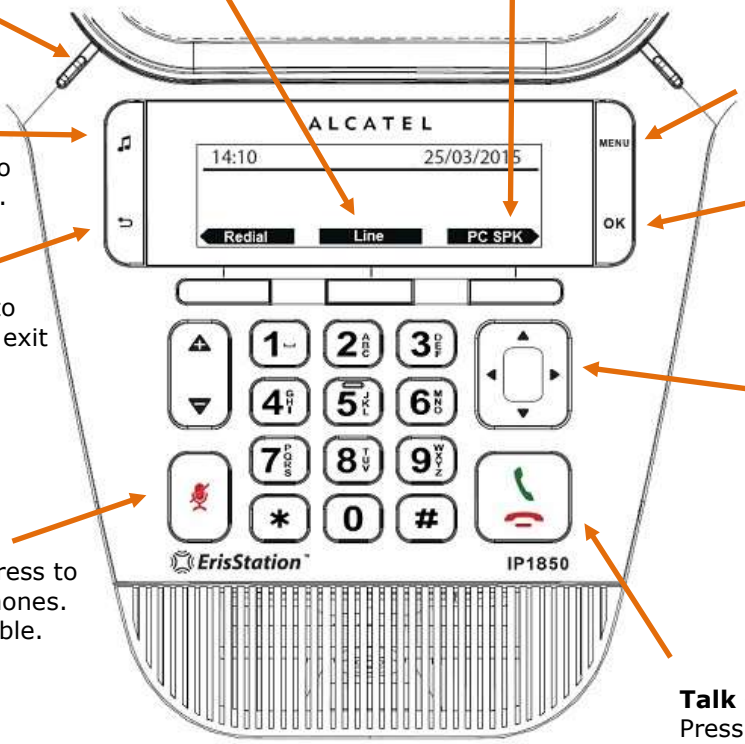
Quick reference guide

The controls you will need to use to configure the phone manually are described below.

Visual indicator (4)
Check the table on next page for different LED color and cadence meaning

Line
Press to change dial-out account (shown if more than one sip account is registered only)

PC SPK
Once connected to your PC via USB, press to use IP1850 as audio device with your favorite application: Skype, Lync, etc



HOLD
In conversation, press to place active call on hold.

CANCEL
While in a menu, press to cancel an operation and exit the menu.

MUTE
In conversation, press to disable all microphones. Press again to enable.

MENU
Press to enter the menu.

OK
Press to select a menu item or save an entry or setting.

NAVIGATION KEY
While in menus, press ▲ or ▼ to scroll through the menu, highlight items or change settings.

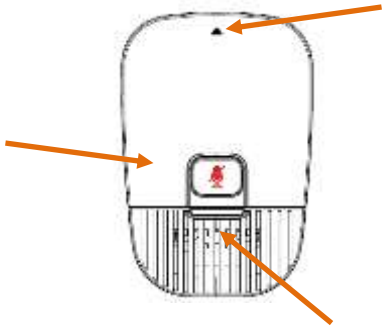
Press ◀ or ▶ to navigate through softkey pages

While entering names or numbers, press ◀ or ▶ to move the cursor left or right.

Talk ON/OFF
Press to launch or answer a call. Press again to release a call.

On the wireless microphones you have the following elements:

MUTE
In conversation, press to temporarily deactivate (mute) all microphones. Press again to enable (unmute).



Remove and activate mic
Push gently on the arrow area to remove the microphone from its cradle.

Please note wireless mics are deactivated while on their cradle. For best user experience, if users are located at or farther than 1m from the main unit, it is recommended to activate and use these mics by detaching them from their cradle.

Visual indicator
Check the table below for color/ cadence meaning

Visual indicators description

LED status	Main Unit	Wireless mics
Steady orange		Charging in progress
Flashing orange	Network failure	Low battery
Steady green	Speakerphone in use	Mic in use or PC mode
Quick flashing green	Incoming call	Incoming call
Slow flashing green	A call is held	
Steady red	Mute activated	All mics muted
Slow flashing red		Mic in paging mode, out of range or not registered
Quick flashing green & red		Registration mode

Network Requirements

A switched network topology is recommended for your LAN (using standard 10/100 or 10/100/1000 Ethernet switches).

The office LAN infrastructure should use Cat.-5 (or better) cable for 10/100, and Cat.-6 for 10/100/1000.

The LAN connections to the devices(s) should all be wired. However, wireless connections to other devices (such as laptops) in your office will not impede performance.

All devices must reside on a single subnet. A DHCP server is recommended and must be on the same subnet as the devices so that IP addresses can be auto-assigned. In most cases, your network router will have a Dynamic Host Configuration Protocol (DHCP) server that will automatically assign IP addresses to clients. By default, the phone has DHCP enabled for automatic IP address assignment.

If no DHCP server is present, you can assign static IPs to devices. If you do not have a DHCP server or do not manually assign static IPs, you will not be able to access the WebUI and/or enable automatic time updates from an NTP server.

Unless you want to manually set the system clock and manually or locally upgrade software, an Internet connection to the LAN is required.

A DNS server is recommended to resolve the path to the Internet and to a server for firmware and configuration updates.

If necessary, the system administrator can also download upgrade files and use the WebUI to update the device firmware and/or configuration settings manually.

For users whose computers require a GigE Ethernet frame rate (a gigabit per second), use either IP700G phone or separate Ethernet connections for the deskset and the computer.

Installation

This section assumes that your network infrastructure is established and that your hosted IP PBX service has been ordered and configured for your location.

Install the phone close to a router or network switch. You can power the phone using Power over Ethernet or the power adapter/injector (not supplied for all models, see part check list). If you are not using PoE, install the phone near a power outlet not controlled by a wall switch. The phone can be placed on a flat surface or vertically mounted on the wall.

For customer service or product information, visit our website at extranet.alcatel-business.com.

Avoid placing the deskset too close to:

Communication devices such as television sets, DVD players, or other cordless telephones.
Excessive heat sources.
Noise sources such as a window with traffic outside, motors, microwave ovens, refrigerators, or fluorescent lighting.
Excessive dust sources such as a workshop or garage.
Excessive moisture.
Extremely low temperature.
Mechanical vibration or shock such as on top of a washing machine or work bench.

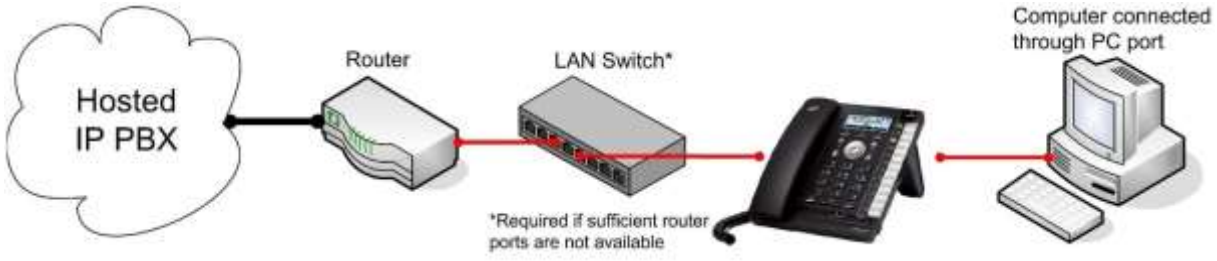
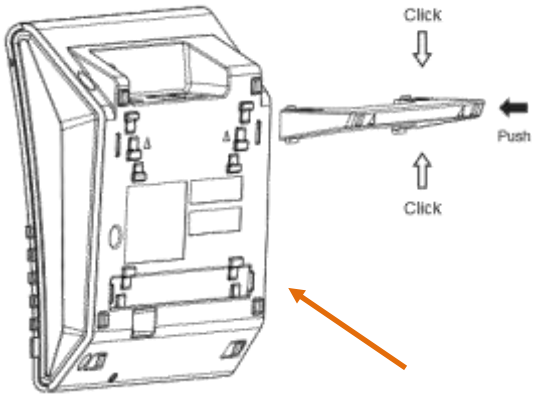


Figure 1: Temporis IP300 Installation Example

Temporis IP100/IP150/IP151 installation

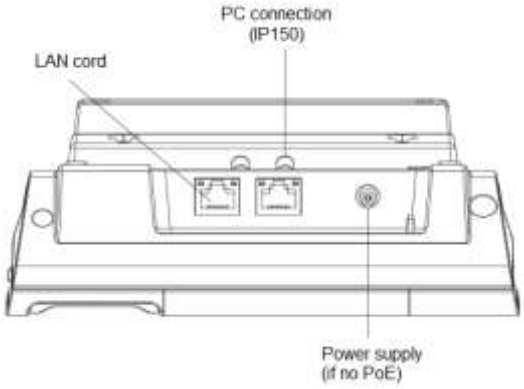
To install the phone:

1. If you plan to place the phone on a flat surface, you can use one of the two available positions depending on the work angle you wish to have, ie with or without the detachable foot stand. To assemble the stand line up the tabs on the stand (marked with triangles) with the slots on the rear of the phone as shown in the picture



   Plug the end of the coiled handset cord into the Handset jack at the left side of the phone.

2. Plug one end of the Ethernet cable into the Ethernet port at the back of the console, and plug the other end of the cable into your network router or switch.



NOTE: You may need to use a network switch connected to your router if your router does not have sufficient ports for the number of phones you want to install. If you use a network switch, connect the phone to the switch instead of the router in the previous step.

3. If the deskset is not using power from a PoE-capable network router or switch, or in any case for an IP150M:
    a. Connect the power adapter to the deskset power jack.
    b. Plug the power adapter into an electrical outlet not controlled by a wall switch.

IMPORTANT INFORMATION

1. Use only original power adapters. Contact your distributor to order.
2. The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

If there is a networked computer and no extra Ethernet wall ports near the phone, then the phone and PC can share the same network connection.

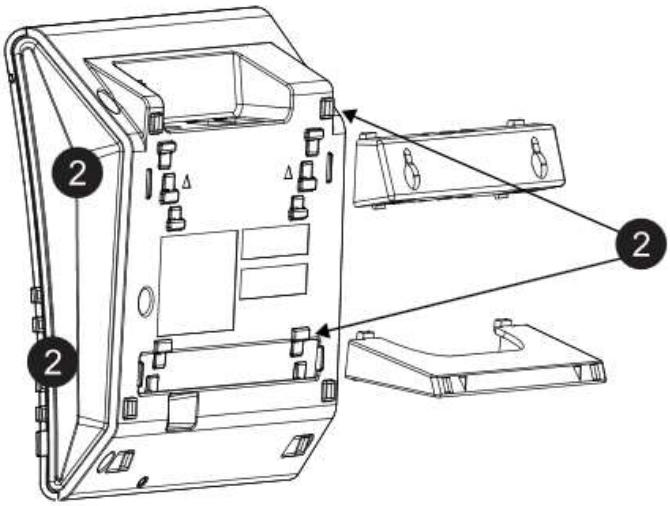
To share a network connection with a PC (IP150/IP151 only):

1. Plug a Cat.-5 Ethernet cable into the PC port on the phone.
2. Plug the other end of the Cat.-5 Ethernet cable into your computer's network port.

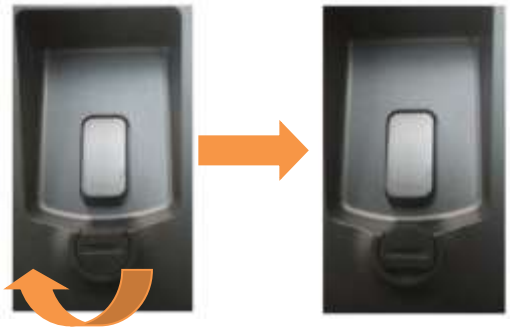
If a GigE network is being used, a computer connected through the phone will be limited to 100 Mbits/s. If you require a GigE Ethernet rate, use separate Ethernet connections for the phone and the computer.
If a PC is connected to your network through a phone, any phone resets and power or network interruptions will disrupt the PC's connection to the network.

To mount the phone on the wall:

1. Disassemble the foot stand
2. Install wall mount fittings and foot stand as displayed:



3. Put the corded handset aside. Use a coin to rotate the handset tab 180 degrees. The protruding edge holds the corded handset when the phone is mounted on the wall.

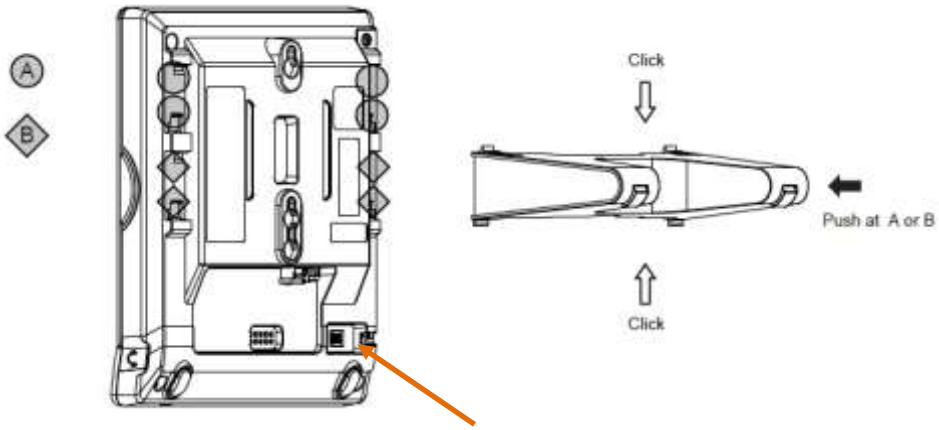


4. Connect the network cable(s) and power adapter (if required).
5. Hang the phone using holes on the wall mount fitting part.

Temporis IP251G/IP300/IP301G/IP701G installation

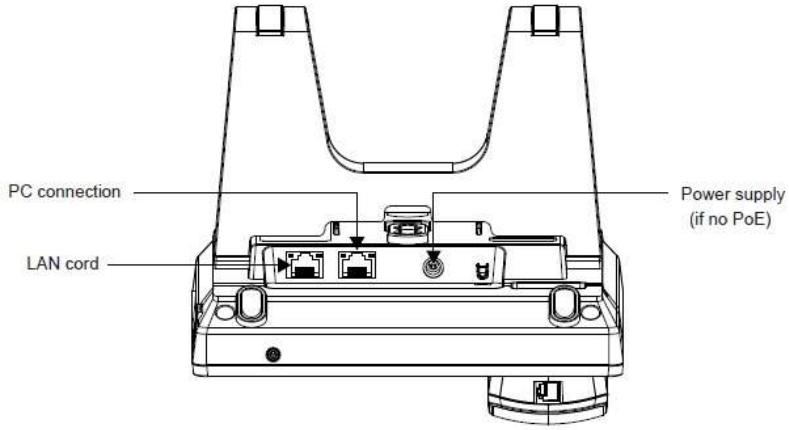
To install the phone:

1. If you plan to place the phone on a flat surface, you can use one of the two available positions depending on the work angle you wish to have. To assemble the stand line up the tabs on the stand (marked with lozenges) with the slots on the rear of the phone as shown in the picture



Plug the end of the coiled handset cord into the Handset jack at the back of the phone.

2. Plug one end of the Ethernet cable into the Ethernet port at the back of the console, and plug the other end of the cable into your network router or switch.



NOTE: You may need to use a network switch connected to your router if your router does not have sufficient ports for the number of phones you want to install. If you use a network switch, connect the phone to the switch instead of the router in the previous step.

3. If the deskset is not using power from a PoE-capable network router or switch:
    a. Connect the power adapter to the deskset power jack.
    b. Plug the power adapter into an electrical outlet not controlled by a wall switch.

IMPORTANT INFORMATION

1. Use only original power adapters. Contact your distributor to order.
2. The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

If there is a networked computer and no extra Ethernet wall ports near the phone, then the phone and PC can share the same network connection.

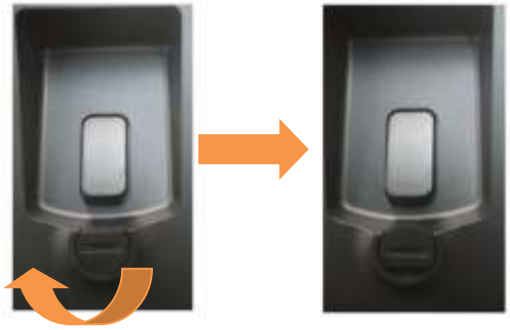
To share a network connection with a PC:

3. Plug a Cat.-5 Ethernet cable into the PC port on the phone.
4. Plug the other end of the Cat.-5 Ethernet cable into your computer's network port.

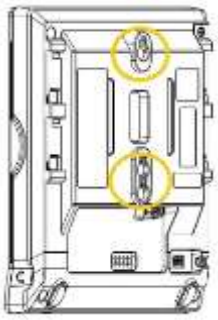
For IP300, if a GigE network is being used, a computer connected through the phone will be limited to 100 Mbits/s. If you require a GigE Ethernet rate, use separate Ethernet connections for the phone and the computer. This remark is not applicable to IP251G, IP301G or IP701G, since all of them have a GigE switch.
If a PC is connected to your network through a phone, any phone resets and power or network interruptions will disrupt the PC's connection to the network.

To mount the phone on the wall:

1. Put the corded handset aside. Use a coin to rotate the handset tab 180 degrees. The protruding edge holds the corded handset when the phone is mounted on the wall.



2. Connect the network cable(s) and power adapter (if required).
3. Hang the phone on the wall using wall mount holes.



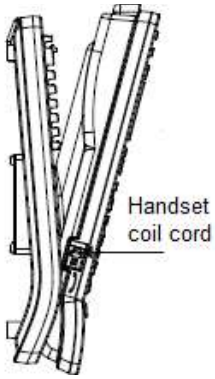
ALCATEL
home & business phones

Temporis IP700G installation

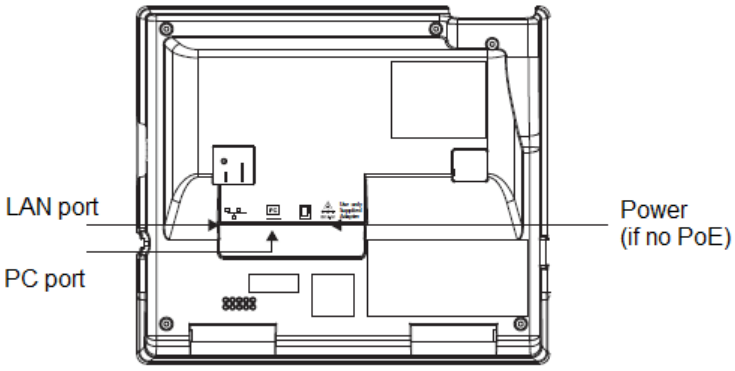
To install the phone:

1. If you plan to place the phone on a flat surface, you can use one of the multiple available positions depending on the work angle you wish to have. Simply adjust the foot stand with the slots on the rear of the phone as shown in the picture

2. Plug the end of the coiled handset cord into the Handset jack at the left hand side of the phone.



3. Plug one end of the Ethernet cable into the Ethernet port at the back of the console, and plug the other end of the cable into your network router or switch.



NOTE: You may need to use a network switch connected to your router if your router does not have sufficient ports for the number of phones you want to install. If you use a network switch, connect the phone to the switch instead of the router in the previous step.

4. If the desk set is not using power from a PoE-capable network router or switch:

a. Connect the power adapter to the deskset power jack.

b. Plug the power adapter into an electrical outlet not controlled by a wall switch.

IMPORTANT INFORMATION

1. Use only original power adapters. Contact your distributor to order.
2. The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

If there is a networked computer and no extra Ethernet wall ports near the phone, then the phone and PC can share the same network connection.

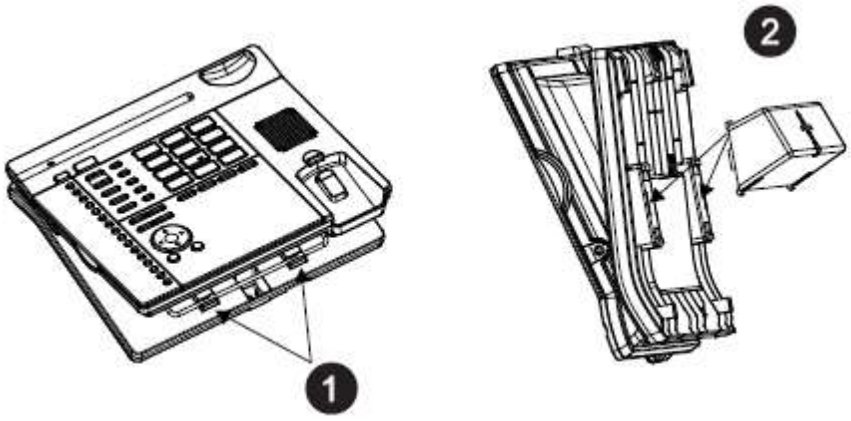
To share a network connection with a PC:

1. Plug an Ethernet cable into the PC port on the phone.
2. Plug the other end of the Ethernet cable into your computer's network port.

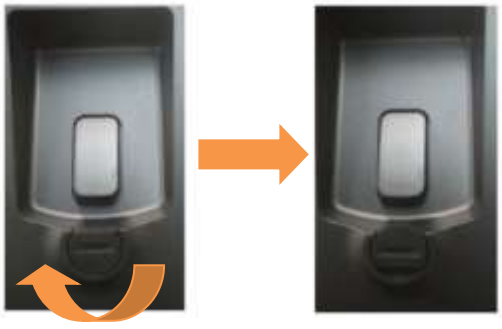
If a GigE network is being used, make sure Cat.-6 cables are used.
If a PC is connected to your network through a phone, any phone resets and power or network interruptions will disrupt the PC's connection to the network.

To mount the phone on the wall:

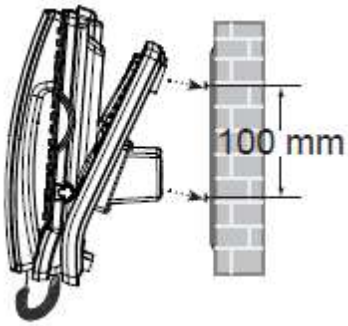
1. Fold the foot stand as depicted
2. Assemble the wall mount accessory



3. Put the corded handset aside. Use a coin to rotate the handset tab 180 degrees. The protruding edge holds the corded handset when the phone is mounted on the wall.



4. Connect the network cable(s) and power adapter (if required).
5. Hang the phone on the wall using wall mount holes.

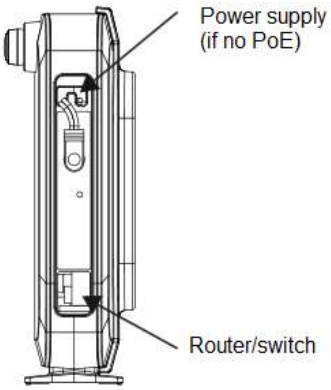


Alcatel IP2015/IP2115 installation

To install the base:

1. Plug one end of the Ethernet cable into the Ethernet port at the side of the base, and plug the other end of the cable into your network router or switch.

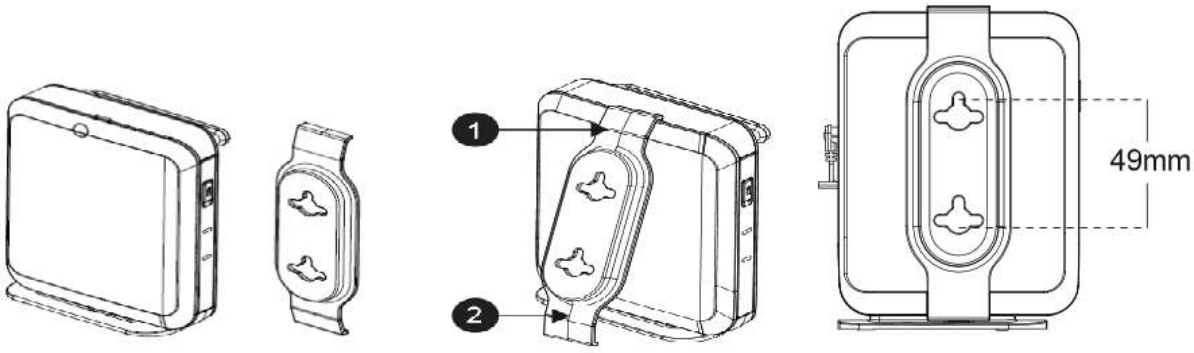
   NOTE: You may need to use a network switch connected to your router if your router does not have sufficient ports for the number of phones you want to install. If you use a network switch, connect the phone to the switch instead of the router in the previous step.



2. If the base is not using power from a PoE-capable network router or switch:
   a. Connect the power adapter to the base power jack.
   b. Plug the power adapter into an electrical outlet not controlled by a wall switch.

To mount the base station on the wall :

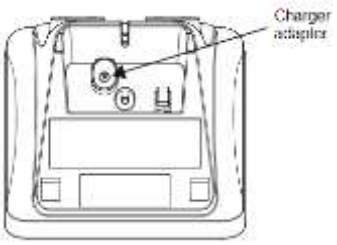
1. Assemble the wall mount bracket as depicted.



2. Connect the network cable and power adapter (if required).
3. Hang the phone on the wall using wall mount holes.

To install the handset:

1. Connect handset charging cradle to provided adapter. Plug the adaptor to the mains.



2. Insert and connect supplied battery pack into handset battery compartment.

3. Place the handset on the charger and fully charge the battery for 15 hours

IMPORTANT INFORMATION

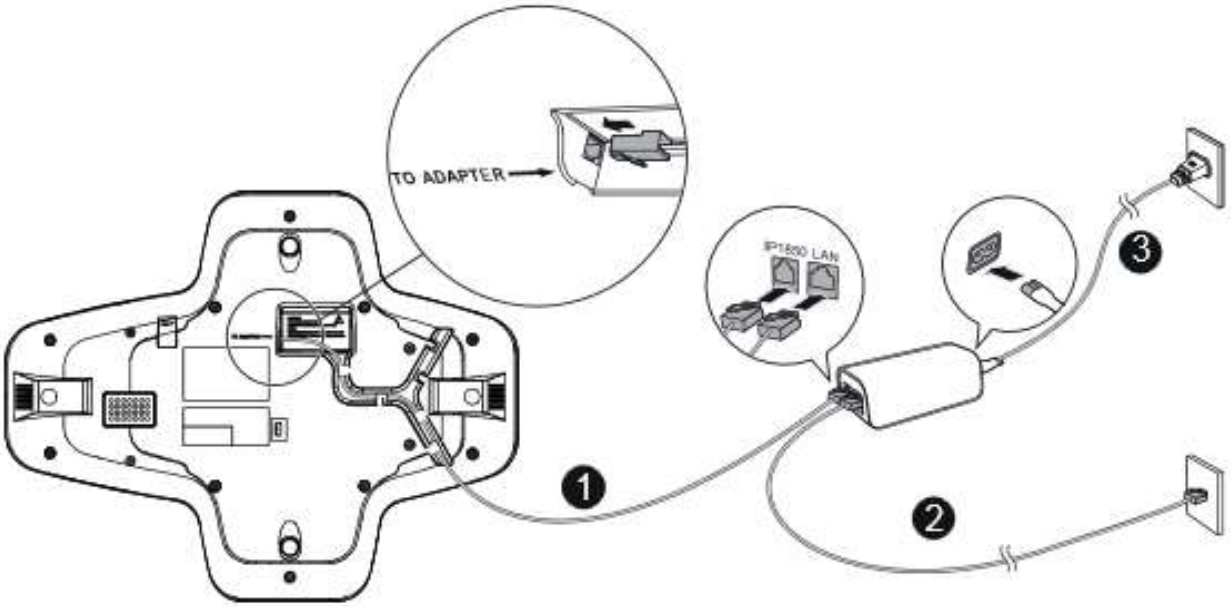
1. Use only supplied power adapters and battery pack.
2. The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

Your handset is already subscribed to the base. So if you are installing a system with only one handset you don't need to perform any association procedure.
If you acquire additional handsets you will need to follow some simple steps. See Setting up IP2015/IP2115 with multiple IP15 handsets on page 53.

Conference IP1850 installation

To install the main unit:

1. Plug one end of the Cat-5 cable with yellow connectors to the LAN port of your IP1850. Connect the other end to the "IP1850" port on the supplied power adapter/injector.



2. Plug the second Ethernet cable into the "LAN" port on the power injector, and plug the other end into your network router or switch.

   NOTE: You may need to use a network switch connected to your router if your router does not have sufficient ports for the number of phones you want to install. If you use a network switch, connect the phone to the switch instead of the router in the previous step.

3. Connect the power cable onto the power injector, and plug the other end into an electrical outlet not controlled by a wall switch.

To install the wireless microphones:

1. For each microphone, activate the battery by pulling away the plastic tag, or insert the battery into its compartment.
2. Place the microphones on the charging cradles

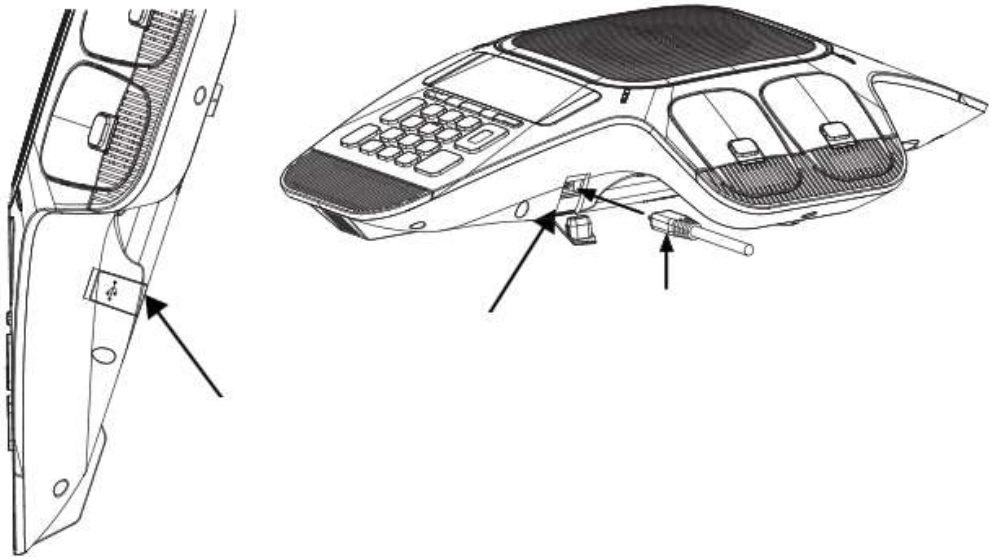
   NOTE: If the microphone unit does not turn on when plastic tag is removed, take the battery out, reinsert and charge for 8 hours. Wireless mics are active while detached from main unit only. To get the best of your conference phone, if you are placed at or farther than 1m from the base please remove mic by pushing on the arrow at the top of the mic.

IMPORTANT INFORMATION

1. Use only provided power adapter/injector.
2. Use the batteries supplied in the package only. Use of any other type of battery presents a risk of explosion. Used batteries must be disposed of in compliance with current environmental protection regulations.
3. The power plug is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

To connect IP1850 to your computer:

1. Plug the micro USB end of the USB cable supplied in the package to the main unit USB connector as depicted below.
2. Plug the other end into a USB port on your computer



To associate a new wireless microphone:

Your IP1850 is shipped with all four wireless microphones already associated to the main unit. In the unlikely event you need to replace any of them, you will find herewith instructions to associate a new microphone.

1. On the main unit, go to **Menu> 3.User settings >4.Wireless microphones >1.Register**
2. Place an unregistered microphone on the cradle
3. IP1850 should indicate the success of the operation.

NOTE: Registration has to be done for one mic at a time. Moreover, you will not be able to register a new microphone if there are already 4 mics associated to the unit. To unregister microphones see next paragraph.

To disassociate the wireless microphones from the main unit:

1. On the main unit, go to **Menu> 3.User settings >4.Wireless microphones >2.Deregister**
2. All wireless mics will be unregistered from the base. To re-associate them see the previous paragraph.

To disassociate a wireless microphone without the main unit:

Should you need to delete association information from a wireless microphone without having access to its former main unit, this is the procedure:

1. Remove the battery from the wireless mic to power it off
2. Press and hold MUTE key while power on (reinsert battery)
3. Keep holding MUTE key for 10 seconds
4. Release MUTE key and short press it again within 5 seconds

Configuring your device

You can configure your device using three methods:

From the phone itself, using the menus. The phone menus are best suited to configuring a few settings, perhaps after the initial setup has been done. For administrators, the settings available on the phone menus menu include network, account, and provisioning settings. See Using the Admin Settings menu on page 61. Most of the settings accessible on the phone itself are most useful for end users. Through the menu, they can customize the screen appearance, sounds, and manage calls. For more information, see the respective models Quick User Guides. This paragraph does not apply to Temporis IP100. See Setting up Temporis IP100 phone on page 48.

The Web User Interface, or WebUI, which you access using your Internet browser. See Using the WebUI on page 86. The browser-based interface is easy to navigate and best-suited to configuring a large variety of phone settings. The WebUI has every setting required for configuring a single phone. You can enter service provider account settings on the WebUI, configure the programmable keys, and set up provisioning, which will allow you to automatically and remotely update the phone after initial configuration.

Provisioning using configuration files. Working with configuration files is the best way to configuring multiple phones. There are several methods available to enable the phone to find the configuration file. For example, you can enable the phone, when it starts up or reboots, to check for the presence of a configuration file on a provisioning server. If the configuration file is new or has been modified in any way, the phone automatically downloads the file and applies the new settings. For more information, see Provisioning Using Configuration Files on page 193.

Minimum configuration

Assuming you have IP connectivity, the minimum configuration will be one sip account.

To configure a sip account using the phone menu, see chapter Line Menu on page 68. Not applicable to IP100 or IP2015/IP2115.

To configure one or more sip accounts using the web interface, see SIP Account Management on page 90.

If you prefer to use configuration files, see "sip_account" Module: SIP Account Settings on page 207.

Verifying the installation: idle Screen

The default idle screen appears after the phone is connected and configured for your SIP service. The idle screen indicates that you have no active or held calls. Idle screen aspect varies depending on the product.

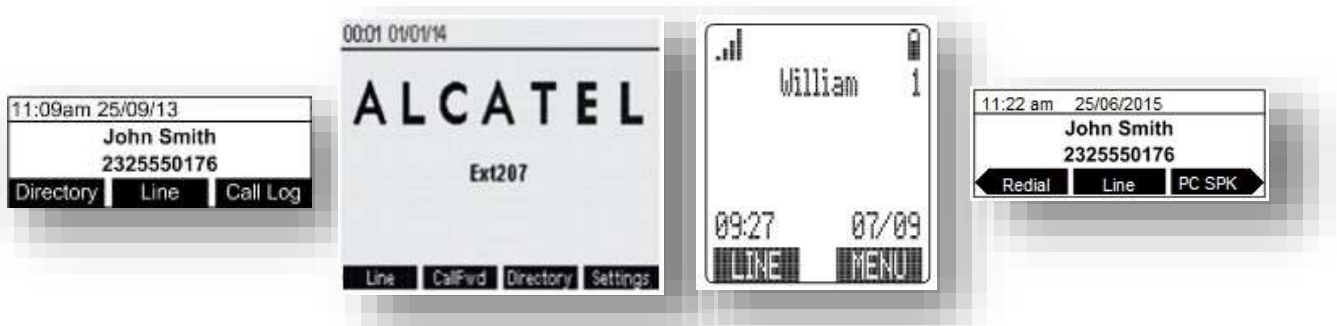


Figure 2: Idle screen for (left to right) IP150/IP151/IP251G/IP300/IP301G, IP700G/IP701G, IP15 and IP1850

Note "Line" softkey will be shown only if you have configured and registered more than one sip account.

Configuring Programmable keys

Temporis IP100, IP150, IP151, IP251G, IP300, IP301G, IP700G and IP701G models are equipped with programmable keys with a dual-color backlight (orange and green). Keys are numbered top to bottom, and then left to right when applicable.

In all models listed above there is a mechanism to access a second virtual key on each physical key. For IP300, IP301G, IP700G and IP701G this is done via "Access to second function" key, whereas in IP100 and IP150 F5/F15 can be assigned for this purpose if desired.

The number of programmable function keys and toggle mechanism for each model is shown in the table below.

Model	Number of PFKs	Number of keys with backlight	Access to second function	Number of virtual keys
Temporis IP100	10	5	F5/F15 (config)	18
Temporis IP150/IP151	10	5	F5/F15 (config)	18
Temporis IP251G	2	2	N/A	2
Temporis IP300/IP301G	12	12	"Lower" key	24
Temporis IP700G/IP701G	16	16	"Lower" key	32

You can assign functions to the programmable keys. You can select one option for each physical or virtual key. Keys can have identical functions. For example, you can assign several "Line" keys for Line 1 to enable users to manage multiple calls on Line 1. You can also assign multiple Quick Dial keys.

Depending on the feature, you may need to select also the line (account) for which it is applicable and some value.

The programmable key settings are available:

-from the phone menu: Main Menu > User Settings > Programmable keys. See Programmable Keys on page 15 and Customizing your phone with User Settings menu on page 60. Not applicable to Temporis IP100.
-from the WUI System>Programmable keys page. See Programmable Function Keys on page118 .
-as parameters in the configuration file. See "pfk" Module: Programmable Feature Key Settings on page 225.

Functions available to programmable keys

A PFK can be assigned one of the following functions:

Line
Directory
Call History
Redial
Messages
Do not disturb
Quick Dial
BLF—Busy lamp field keys let you monitor activity at other phones. The key LED indicates call status.
Call Forward Unconditional
Call Forward Busy
Call Forward No Answer
Call Forward All
Park Call—Dials the access code to park your current call, or transfers the call to the parking extension. To program access codes, see Using the Admin Settings menu on page 61.
Retrieve Parked Call—Dials the access code to retrieve a parked call.
In-Call DTMF—Dials a string of numbers while you are on a call. For example, pressing the key might dial a conference access code.
Call Back—Dials the number of the last missed call.
Intercom/Page—If this feature is enabled, press the Intercom key to call one or a group of phones. You can configure Intercom calls to be automatically answered. See SIP Account Management on page 90.
Multicast page—When enabled as a multicast page key, the user can press the key to page other phones. Multicast paging differs from standard paging in that it is handled locally by the Deskset and does not require a subscription through the hosted server.
ACD—If enabled as an ACD (Automatic Call Distribution) key, the user can press the key to display the ACD State menu on the phone. The user can select an ACD state from the menu, and the key LED will indicate the selected state. See the User Guide for more information about using the ACD State menu. The ACD feature is compatible with Broadsoft's Broadworks Call Center Application.
Group Call Pickup—Dials the Group Call Pickup code, allowing you to answer a call ringing at another extension.
Direct Call Pickup—Dials the Direct Call Pickup code, allowing you to answer a call ringing at a specific extension. After pressing the button, you may need to enter the extension number manually.

LED behavior

For a PFK, LED behavior depends on the function assigned, according to the following table:

Key Function	LED Activity	Description
Line	Flashing ORANGE	Account not registered
	Steady GREEN	Dialing or on a call
	Quickly flashing GREEN	Ringing incoming call
	Slowly flashing GREEN	Held call
Shared account	Steady ORANGE	Shared account is on a call
	Slowly flashing ORANGE	Shared account is on hold

Do Not Disturb	Off Steady ORANGE	DND is off DND is on
Call Forward	Off Steady ORANGE	Call forwarding is off Call forwarding is on
Page	Steady GREEN	Outgoing page in progress
Busy Lamp Field	Off Steady ORANGE Quickly flashing ORANGE Flashing ORANGE	Monitored phone is idle Monitored phone is on a call or has a held call The monitored phone is ringing BLF registration error
Automatic Call Distribution	Quickly flashing GREEN Steady GREEN Slow Flash GREEN Steady ORANGE Slowly flashing ORANGE Quickly flashing ORANGE	ACD agent "wrap up" state ACD agent ready state ACD agent unavailable state ACD logged on ACD logged off ACD subscription error

Adding a Custom Logo

For **Temporis IP150, IP151, IP251G, IP300, IP301G, IP700G, IP701G and Conference IP1850** you can upload custom logos to be displayed on the phone idle screen and during bootup. Uploading logos is done using the configuration file. The parameters for uploading custom logos are described in Uploading a custom logo on page 44. The default logo for both **bootup** and **idle** mode is the **ALCATEL** logo.

Idle screen logo behavior

The behavior described below is **enabled** by default and can be modified or disabled using the configuration files.

For **Temporis IP150, IP151, IP251G, IP300, IP301G and Conference IP1850** you can enable the idle mode logo to appear instead of the idle screen after a specified period of inactivity. You can also enable the phone screen to cycle between the logo and the idle screen when the phone is in idle mode by setting both the user_pref.idle_to_logo_timeout and the user_pref.logo_to_idle_timeout parameters.

For **IP700G and IP701G** there is no cycling; default or customized logo (or no logo) will be displayed on the idle screen.

See also "user_pref" Module: User Preference Settings on page 221 for more details about these parameters.

Logo specifications

The file type and dimensions for bootup and idle screen logos are listed in the table below.

Model	File type	Dimensions (wxh)
Temporis IP150/IP151 **Temporis IP251G** **Temporis IP300/IP301G** **Conference IP1850**	Monochrome bitmap (.bmp)	158×57 pixels
Temporis IP700G/IP701G	Monochrome bitmap (.bmp)	206x51 pixels

Positioning a custom logo on the screen is a matter of creating a logo with the maximum dimensions listed above, including any surrounding white space. There are no configuration file settings to specify the x-axis or y-axis position of the logo on the screen.

Uploading a custom logo

The file.bootup_logo and file.idle_logo parameters in the configuration file allow you to upload a custom bootup logo and custom idle logo. Place the logos on your server and enter the URL for each logo for the file.idle_logo and file.bootup_logo parameters.

If the downloaded logo is found to be invalid, the syslog will record one of the following errors:

- file not found
- invalid file format
- incorrect image size
- image is not in black and white

See "file" Module: Imported File Settings on page 230 for more details about these parameters.

Custom logo user interactions

For **Temporis IP150, IP151, IP251G, IP300, IP301G and Conference IP1850** users, pressing any hard key will exit the idle logo and perform the key's function. For example, pressing **MENU** will show the Main Menu.

Pressing a soft key when the idle logo is showing will switch to the idle screen.

Customizing Softkeys

For **Temporis IP150, IP151, IP251G, IP300, IP301G, IP700g, IP701G and Conference IP1850**, configuration file allows you to select which soft keys should appear on the Idle screen, Active Call screen, Held Call screen and Live Dial screen. You can also specify the position of each soft key.

Some soft keys appear only under certain conditions. For example, the Line soft key on the Idle screen appears only if there is more than one registered SIP account. When a "conditional" soft key is not visible, the soft key's position is left empty.

Soft key levels with no soft keys will not be shown if there are multiple soft key levels (as indicated by the ◀ and ▶ icons). Any soft key level where all soft keys are invisible will be dynamically skipped when the user navigates through the available levels. On the Temporis IP150, IP151, IP251G, IP300, IP301G and IP1850, a soft key level consists of three soft keys (populated or blank) in a row. On IP700G and IP701G each level consists of four soft keys.

The table below shows the soft key options available for each screen. Each screen can have a maximum of nine soft keys.

NOTE: You cannot edit Soft Key text. The configuration file parameters allow you to only select and position the soft keys for each screen. Texts listed here correspond to English; each language has its own soft key list. Should you need this list for a particular language, please contact your support team. An exception is Pgm_dial softkey type. For more information please check "softkey" Module: Custom Soft Key Settings on page 239

Screen	Available Soft Keys	Soft Key Text
Idle	Blank	
	Directory	Directory
	Call Log	Call Log
	Redial	Redial
	Messages	Message
	Do Not Disturb	DND
	Call Forward	CallFwd
	Call Forward All	FwdAll
	Call Forward No Answer	CFNA
	Call Forward Busy	FwdBusy
	Intercom	Intercom
	Retrieve Parked Call	Retrieve
	Call Return	CallBack
	Group Call Pickup	GrpPickup
	Direct Call Pickup	DirPickup

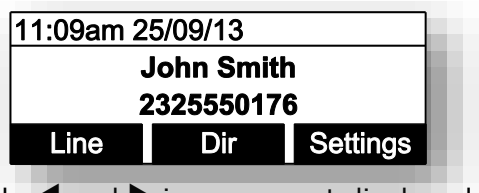
	Line (visible with more than one account registered)	Line
	Settings	Settings
Call Active	Blank	
	New	New
	Park Call	Park
	End	End
	Hold	Hold
	Transfer	Transfer
	Conf	Conf
	XferLine (visible with more than one call)	XferCall
	ConfLine (visible with more than one call)	ConfCall
	hs_pick (visible on IPx01G when a HS is registered)	HS_Pick
Call Held	Blank	
	End	End
	New	New
	Park Call	Park
	Retrieve Parked Call	Retrieve
	Group Call Pickup	GrpPickup
	Direct Call Pickup	DirPickup
	Resume	Resume
	Transfer	Transfer
	Conf	Conf
	XferLine (visible with more than one call)	XferCall
	ConfLine (visible with more than one call)	ConfCall
	hs_pick (visible on IPx01G when a HS is registered)	HS_Pick
Live Dial	Blank	
	Directory	Directory
	Call Log	Call Log

	Redial	Redial
	Messages	Message
	End	End
	Dial	Dial
	Input (alpha/numeric selection for text input mode)	123
	Cancel	Cancel
	Backspc	Backspc

Custom Soft Key Configuration File Settings

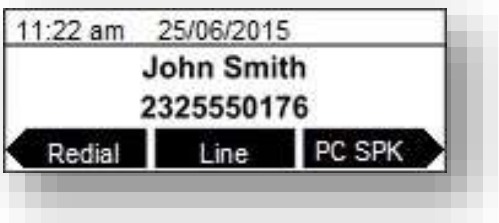
The custom soft keys parameters are included in the "softkey" module. For more information, see "softkey" Module: Custom Soft Key Settings on page 239.

To modify a soft key parameter, enter values separated by commas. Soft keys appear on the phone screen in the same order as the soft key values you enter. For example, if you take IP150, IP151, IP251G, IP300, IP301G or IP1850, the parameter/value combination of softkey.idle = line,dir,settings will result in the Idle screen shown below:



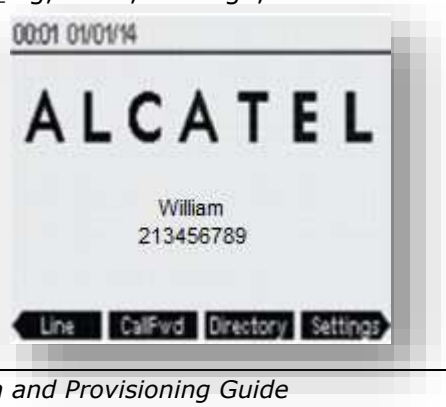
Note in the above example ◀ and ▶ icons are not displayed as the configured value yields only one softkey level.

If for Conference IP1850 you take the default parameter/value combination softkey.idle = redial,line,pc_spk, call_log,blank ,dir the idle screen below would result:



And this would be the idle screen for an IP700G or IP701G where softkey.idle = line,call_fwd, dir,settings,call_log,redial,message,dnd

.



Setting up Temporis IP100 phone

Temporis IP100 has specific management procedures due to its simpler user interface without a display.

You can configure the phone using one of three methods:

- From the phone itself, using the "star codes" to setup very few network related parameters. It is called "star codes" because it is a sequence of digits to be typed on the phone keypad starting by "*" (star) key.
- The Web User Interface, or WebUI, which you access using your Internet browser. See Using the WebUI on page 86. The browser-based interface is easy to navigate and best-suited to configuring a large variety of phone settings. The WebUI has every setting required for configuring a single phone. You can enter service provider account settings on the WebUI, configure the programmable keys, and set up provisioning, which will allow you to automatically and remotely update the phone after initial configuration.

The configuration file. Working with configuration files is the best way to configuring multiple phones. There are several methods available to enable the phone to find the configuration file. For example, you can enable the phone, when it starts up or reboots, to check for the presence of a configuration file on a provisioning server. If the configuration file is new or has been modified in any way, the phone automatically downloads the file and applies the new settings. For more information, see Provisioning Using Configuration Files on page 193.

Using the phone "star codes"

As there is no display on this phone, some "star codes" have been implemented to help make the installation and maintenance easier.

Find IP address

When the phone is in idle mode, type on the keyboard the following sequence:
*** 1 2 3 4 5 6 #**
The IP address of the phone will be announced digit after digit, on the telephone loudspeaker. For instance: one, nine, two, dot, one, six, eight, dot, one, zero, zero, dot, one, zero, zero.

Static IP configuration

When the phone is in idle mode, type on the keyboard the following sequence:
*** 7 8 2 8 4 2 # x * x * x * x # y * y * y * y # z * z * z * z #**

Where **x * x * x * x** is the IPv4 address the phone will be assign to, **y * y * y * y** is the subnet mask and **z * z * z * z** is the default gateway IPv4 address.
The "*" character replaces the usual IPv4 bytes separator "." (dot).
Example: *782842#192*168*100*100#255*255*255*0#192*168*100*1#
A confirmation tone will be played on the telephone loudspeaker before the phone applies the new IP configuration. No reboot is needed.

VLAN configuration

Enable VLAN

When the phone is idle mode, type on the keyboard the following sequence:

*** 7 8 2 8 4 3 # 1 # x #**. Where x is the Vlan ID.

A confirmation tone will be played on the telephone loudspeaker before the phone applies the new VLAN configuration. No reboot is needed.

Disable VLAN

When the phone is idle mode, type on the keyboard the following sequence:
*** 7 8 2 8 4 3 # 0 # #**
A confirmation tone will be played on the telephone loudspeaker before the phone applies the new VLAN configuration. No reboot is needed.

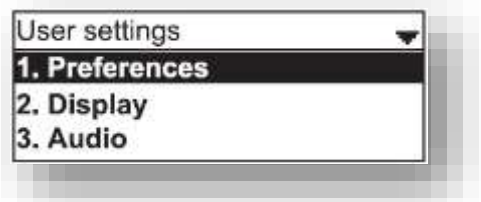
Setting up IP300/IP301G/IP700G/IP701G with IP70H accessory DECT headset

Temporis IP300, IP301G, IP700G and IP701G models embed a DECT base which allows you to use compatible cordless accessories. You can register and use up to one **IP70H** accessory headset and one **IP15** accessory handset.

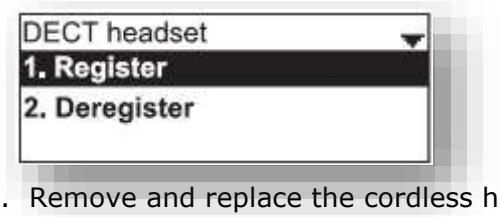
Note MMI options are the same for IP30x and IP70xG despite the different display size. Thus pictures show IP300 or IP301G but can be used as reference for IP700G or IP701G as well.

Register a DECT headset

1. When the phone is idle, press **MENU**.
2. On the Main menu, press ▲ or ▼ to highlight **3.User Settings**, then press **OK**. The User Settings menu appears.



3. On the User settings menu, press ▲ or ▼ to highlight **5.DECT headset**, then press **OK**.



4. Remove and replace the cordless headset from its charging base.
5. With **Register** highlighted, press **OK** on the deskset. **Registering…**. appears while the deskset searches for the headset

When registration is complete, Registration succeeded will be displayed and ON/OFF light on the cordless headset turns solid blue.

Note: Registration can be terminated by pressing **CANCEL** on the deskset.

If the cordless headset is registered to another phone, it must be deregistered first. See "Deregistering a DECT headset". Same applies when the deskset already has one headset registered. It has to be deregistered to be replaced with a new one.

Deregister a DECT headset

1. When the phone is idle, press **MENU**.
2. On the Main menu, press ▲ or ▼ to highlight **3.User Settings**, then press **OK**. The User Settings menu appears.
3. On the User settings menu, press ▲ or ▼ to highlight **5.DECT headset**, then press **OK**.
4. With **Deregister** highlighted, press **OK** on the deskset. The deskset screen displays **DECT headset is deregistered**. The headset ON/OFF light flashes twice every five seconds to indicate it is not registered.

Deregister a DECT headset without a deskset

You can use this method when you cannot use the deskset for standard deregistration. The deskset may be out of range or may have been removed from the system.

On the headset, press **VOL+>ON/OFF>VOL->ON/OFF>VOL+>VOL->ON/OFF**

Deskset functionality with an IP70H DECT headset

With IP70H registered to IP300, IP301G, IP700G or IP701G, users can:

- Take the line to place a call in headset mode , or predial and launch the call in headset mode, with IP70H ON/OFF button, or deskset key
- Receive incoming calls and call waiting tone signalling on the headset
- Answer a call in headset mode, by pressing. IP70H ON/OFF button, or deskset key
- Toggle between two calls by long pressing MUTE key on the headset
- Navigate through calls with the usual call selection methods on the deskset, while keeping audio on the cordless headset
- Switch to handset or hands free mode anytime during the call

For more instructions please see IP70H Quick User guide.

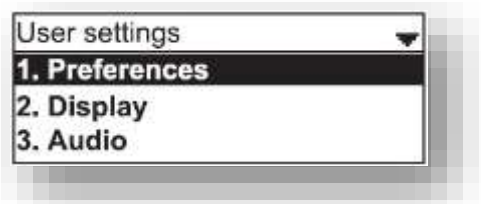
Setting up IP300/IP301G/IP700G/IP701G with IP15 accessory DECT handset

Temporis IP300, IP301G, IP700G and IP701G desksets embed a DECT base which allows you to use compatible DECT accessories. You can register and use up to one IP70H accessory headset and one IP15 accessory handset.

Note MMI options are the same for IP30x and IP70xG despite the different display size. Thus pictures show IP300 or IP301G but can be used as reference for IP700G or IP701G as well.

Register a DECT handset

1. When the phone is idle, press **MENU**.
2. On the Main menu, press ▲ or ▼ to highlight **3.User Settings**, then press **OK**. The User Settings menu appears.



3. On the User settings menu, press ▲ or ▼ to highlight **6.DECT handset**, then press **OK**.

4. Set your handset to registration mode using the menu (**Menu>User settings>Registration**)

5. With **Register** highlighted, press **OK** on the deskset. **Registering…**. appears while the deskset searches for the handset

When registration is complete, **Registration succeeded** will be displayed and the handset will display its idle screen.

If the handset you are registering to the deskset is equipped with an IP15 firmware version, then you will see a message prompting you to upgrade it for a better compatibility. Check with your technical support to get an IP10 firmware, and see section Firmware Upgrade on page 170 for handset upgrade over-the air instructions.

Note: Registration can be terminated by pressing **CANCEL** on the deskset.

If the deskset already has one handset registered it has to be deregistered to be replaced with a new one. See next section "Deregistering a DECT handset".

Deregister a DECT handset

6. When the phone is idle, press **MENU**.
7. On the Main menu, press ▲ or ▼ to highlight **3.User Settings**, then press **OK**. The User Settings menu appears.
8. On the User settings menu, press ▲ or ▼ to highlight **6.DECT handset**, then press **OK**.
9. With **Deregister** highlighted, press **OK** on the deskset. The deskset screen displays **DECT handset is deregistered**. The handset will show its unregistered status.

Deskset functionality with an IP15 DECT handset

With the accessory handset (IP15) registered to IP300, IP301G, IP700G or IP701G, users can:

- Select dialing line for a call with **LINE** softkey
- Use the handset's local directory, or deskset's directories (local, LDAP, black list)
- Use deskset's call history and account related services (DND, Call forward, Anonymous calls)
- Answer incoming calls, waiting calls and perform hold, mute, transfer and conference
- Locate the handset from the deskset with an acoustic warning via "Locate" softkey. Check chapter about Status menu on page 58.
- Switch audio between IP15 and the deskset during a call (IP301G and IP701G only). A softkey on IP15 and deskset allows you to perform this toggling.

For more detailed instructions please see IP315 and IP15 Quick User guides.

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Setting up IP2015/IP2115 with multiple IP15 handsets or IP70H wireless headsets

Alcatel IP2015/IP2115 IP DECT systems support up to six wireless devices (IP15 handsets or IP70H headsets), six independent sip accounts, and a maximum of four concurrent calls in wide band.

The basic package consists of one base and one IP15 handset. For this you will only need to set up the minimum configuration, i.e. IP connectivity and one sip account, to have your system up and running.

If you wish to use more than one handset and/or more than one account, you will need to perform some additional configuration steps, either using the WUI or configuration files. Basically you will be adding the new accounts, managing the new handsets or headsets, and assigning them to accounts.

To configure additional sip accounts using the web interface, see SIP Account Management on page 90.

If you prefer to use configuration files, see "sip_account" Module: SIP Account Settings on page 207.

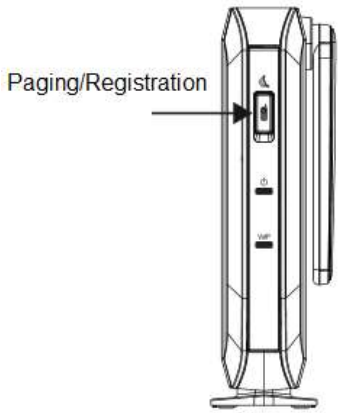
Note IP70H headsets will not allow you to dial out, so whenever in next paragraphs any action involving dialing is mentioned it will not be applicable to them.

Managing additional IP15 handsets

To associate a new handset to the base:

If you are installing the basic IP2015/IP2115 package, your handset is already subscribed to the base. So if you are installing a system with only one handset you can skip this section.
If you acquire additional handsets you will need to follow these simple steps to associate them to your base.

1. Press Registration button on the base for 4 seconds, then release. The two leds will blink in orange
2. In your new IP15 handset, go to **Menu>User Settings>Registration>Handset**
3. Select "BASE" softkey and press **#** key. Input system PIN is you are asked for it. Default is 0000
4. Your handset should be subscribed and display idle screen with the assigned handset number (1 to 6)



To associate a headset to the base:

1. Press Registration button on the base for 4 seconds, then release. The two leds will blink in orange
2. Remove and replace your unregistered IP70H on its charging cradle (connected to the power supply). It must be flashing rapidly in red and blue

3. After a few seconds your headset should be subscribed and show only the red or blue lights, depending on battery charge status

Note: If the cordless headset is registered to another phone, it must be deregistered first. See "Deregistering a DECT headset".

To rename a handset/headset:

Handset name can be modified to suit your needs. This name will be shown on the handset idle screen, but also on the web UI or menus where you need to select a wireless device (to intercom, transfer, etc). Handset menu, IP2015/IP2115 web interface or configuration files can be used for this purpose. Note the handset has to be associated with the base. For IP70H headset only web UI or configuration files can be used.

To change the name displayed on the idle screen from handset menu:

1. On the target IP15 handset, go to **Menu>User Settings>Phone rename**
2. Edit the name and press **Set**

To change handset/headset name using WUI, see Handset name on page 139

To configure handset/headset name using provisioning files, see "hs_settings" Module: Handset management Settings on page 240

To disassociate a handset/headset from the base:

1. On one subscribed IP15 handset, go to **Menu>User Settings>Registration>Handset>Deregistration**
2. Enter system PIN. Default is 0000
3. Select the handset or headset you wish to unregister. If only one handset were registered, then it will be automatically unregistered without selecting anything
4. The handset will display the unregistered status screen. The headset will flash slowly in red and blue

To disassociate all handsets/headsets from the base:

1. Press and hold Paging/Registration key for 10secs
2. Release the key and then short press again
3. All devices will be unregistered from the base

Assigning sip accounts to IP15 handsets or IP70H headsets

By default all handsets/headsets can use all active accounts, and all of them will use sip account 1 to dial out.

You can modify this behavior by deciding which devices are allowed to use which accounts, and what the default dial out account for each of them will be. WUI and config files can be used for this purpose.

To assign handsets to accounts and default dial out account using the web interface, see Handset Settings, Account assignment on page 138

To assign handsets to accounts and default dial out account using configuration file parameters, see "hs_settings" Module: Handset management Settings on page 240

Moreover, you can select dialing line among assigned accounts on a per call basis. To do this, simply press **LINE** softkey on your IP15 handset and make your choice.

IP2015/IP2115 functionality with IP15 DECT handsets

With one or more handsets (IP15) registered to IP2015 base, users can:

- Select dialing line for a call with **LINE** softkey
- Use the handset's local directory, or the base's directories (local, LDAP, black list)
- Use the base's call history and account related services (DND, Call forward, Anonymous calls)
- Answer incoming calls, waiting calls and perform hold, mute, transfer and conference
- Locate the handsets from the base. Pressing Paging key will trigger an acoustic warning on all in-range handsets.

For more detailed instructions please see IP2015/IP2115 and IP15 Quick User guides.

IP2015/IP2115 functionality with IP70H DECT headset

With an IP70H headset (IP70H) registered to IP2015/IP2115 base, users can:

- Answer incoming calls and performing mute on them
- Answer intercom calls
- Be the target of an internal or external transfer
- Receive paging calls from the base. Pressing Paging key will trigger an acoustic and visual warning on all in-range headsets.

For more detailed instructions please see IP2015/IP2115 and IP70H Quick User guides.

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Using Menu in your desktop phone

Your desktop phone **Temporis IP150/IP151/IP251G/ IP300/ IP301G/ IP700G/ IP701G** or **Conference IP1850** menu have four main sub-menus:

Features—manage calls, view and add directory entries, view call history, access messages, and use the speed dial menu.
Status—view the deskset network status, account registration status, and product information.
User Settings—allows the user to set the language for the display, configure the appearance of the display, or customize the audio settings.
Admin Settings—configure network settings (enter static IP addresses, for example) and line settings.

This guide mainly contains instructions for using the Admin Settings menu and for accessing the Status menu, but we will also give an overview on Features and User Settings.

See Features chapter on page 56, or check your product Quick User Guide for more information about Features.

See Customizing your phone with User Settings menu chapter on page 60.

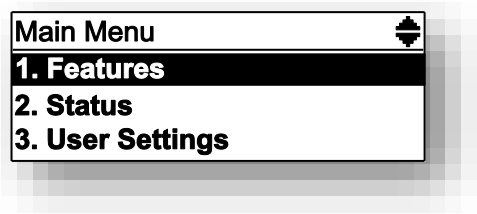
To use the phone menu:

1. When the phone is idle, press **MENU**.

   The main menu appears.

2. Press ▼ or ▲ to highlight the desired sub-menu, and then press **OK**.

You can also press a corresponding dial pad key to select a numbered menu item. Press **2** for the Status menu, for example.
Press OK or an appropriate soft key to save changes.
Press ⮌ to cancel an operation, exit the menu display or return to the idle screen.



Features

The table below summarizes the different features available in this menu. Note "n" stands for the maximum number of sip accounts available for each model, i.e. 2 for IP150/IP151/IP251G, 3 for IP300 and IP1850, 4 for IP301G, 5 for IP700G and 6 for IP701G. For more details about usage please check the corresponding product Quick User Guide.

Level 1	Level 2	Level 3	Level 4
1. Call	1.Do not disturb	Line 1 … Line n	ON/OFF
	2.Call Forward	Line 1 … Line n	CF Always (on/off, target) CF Busy (on/off, target) CF No Reply (on/off, target, timer)

	3.Block Anonymous	Line 1 … Line n	ON/OFF
	4.Dial Anonymous	Line 1 … Line n	ON/OFF
	5.Missed Call Alert	Yes/No	
	6.Call waiting	Yes/No	
	7.Auto-answer *Note 1*	Line 1 … Line n	Yes/No
2. Directory	1.Local	Entries	Search, sort, add, delete, delete all, dial, edit, number type
	x.LDAP (name displayed and availability depends on configuration)	Entries	Search, sort, dial, edit, number type, save to Local or black list
	y.Broadsoft (name and availability depends on configuration)	Entries	Search, sort, dial, edit, number type, save to Local or black list
	z. Black List	Entries	Search, sort, add, delete, delete all, dial, edit, number type
	y.Remote XML (name displayed and availability depends on configuration. Up to 3 instances possible) *Note 1*	Entries	Sync, search, dial, number type
3. Call History	1.All calls	Entries	View, Dial, Edit dial, save to Local or black list, Delete all
	2.Missed calls	Entries	
	3.Received calls	Entries	
	4.Dialed calls	Entries	
4. Message	Line 1 … Line n	Call VM	
5. Speed Dial	Key 0 to 9	Add/Edit/Delete	

Note 1: Item applicable to IP151, IP251G, IP301G, and IP701G only

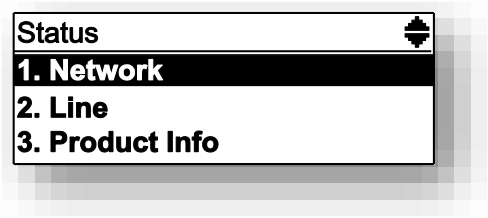
Status

Use the status menu to verify network settings and begin troubleshooting if network problems or account registration issues affect phone operation.

You can also find the software version of the phone on the Product Info screen, available from the Status menu.

To view the Status menu:

1. When the phone is idle, press **MENU**.
2. On the Main menu, press ▲ or ▼ to highlight **Status**, then press **OK**. The Status menu appears.



3. On the Status menu, press ▲ or ▼ to highlight the desired menu, then press **OK**.

The available status menus are:

Menu	**Information listed**
1. Network	IP address DHCP status (Enabled/Disabled) Subnet Mask IP address Gateway IP address DNS server 1 IP address DNS server 2 IP address SNTP server URL MAC address
2. Line	Lines and registration status. On the Line menu, highlight and select the desired line to view detailed line status information: Line status (Registered/Not registered/Disabled) Line display name Line User ID Server address Server Port number Proxy server address Proxy server port number
3. Product Info	Model number Serial number MAC address Software version V-Series Hardware version
4. Cordless Accessories *Note 2*	DECT handset (Registered/Not registered, Locate softkey) DECT headset (Registered/Not registered)

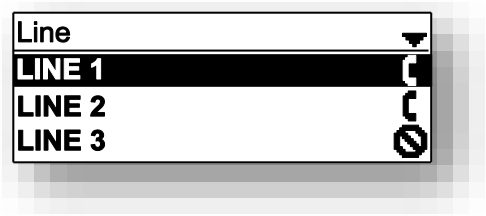
Note2: this item is applicable to IP300, IP301G, IP700G, IP701G only

Note

To view Network status you can also use the following shortcut. In idle mode, press key. On IP251G you can access the same shortcut by pressing

Viewing Line status

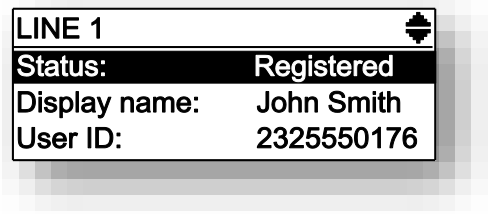
When you select **Line** from the Status menu, the **Line** menu appears, listing the available lines along with icons indicating each line's current registration status.



Icon	Description
	Line registered
	Line not registered
	Line disabled

To view complete status information for a line:

1. On the **Line** menu, press ▲ or ▼ to highlight the desired line, then press **OK**. The full line status screen appears.

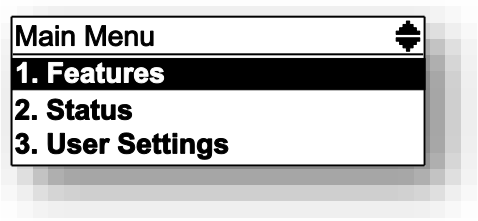


Customizing your phone with User Settings menu

User Settings menu allows easy customization of some aspects of the phone, e.g. language, time and date, preferred ring tone, setting programmable keys or DECT accessories configuration.

To view the User Settings menu:

1. When the phone is idle, press **MENU**.
2. On the Main menu, press ▲ or ▼ to highlight **User Settings**, then press **OK**. The User Settings menu appears.



The available options appearing when you enter User Settings menu are as follows. Note "n" is the maximum number of sip accounts supported in your product (i.e. 2 for IP150, 3 for IP300/IP301G and IP1850, 5 for IP700G/IP701G) and "M" is the number of available PFK appearances (i.e. 20 for IP150, 2, for IP251G, 24 for IP300/IP301G, 36 for IP700G/IP701G):

Level 1	**Level 2**	**Level 3**
1. Preferences	1. Language	Language selection list
	2. Date and time	12h/24h Date format NTP/Manual Time zone DST
	3. Restart phone	
2. Display	Contrast (Level 1 to 7)	
	Backlight state	
	Idle Backlight state	
	Backlight timeout (10 to 60sec)	
3. Audio	1. Ring tone	Line 1 (Ringtone 1 to 10) … Line n (ringtone 1 to 10)
	2. Key tone	On/Off
	3. Audio mode (for autoanswer)	1. Speaker 2. Headset

4. Program Keys	Key 1 Key 2 … Key m	Function key type selection list (May differ) 1. Line 2. Directory 3. Call History 4. Redial 5. Messages 6. Do not Disturb 7. Call Forward All 8. Call Fwd No answer 9. Call Fwd Busy 10. Quick Dial 11. BLF 12. ACD 13. Intercom 14. Multicast Page 15. Park 16. Retrieve Park 17. In call DTMF 18. Call Return 19. Group Pickup 20. Directed Pickup 21. Prefix dialing
5. DECT headset *Note 3*	1. Register	N/A
	2. Deregister	
6. DECT handset *Note 3*	1. Register	
	2. Deregister	
7. Edit password *Note 4*		

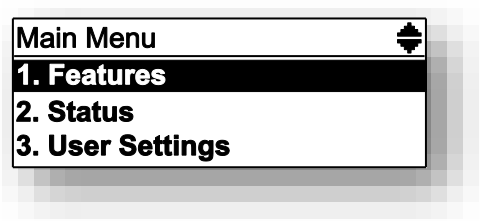
Note 3: this item is applicable to IP300, IP301G, IP700g, IP701G only

Note 4: this item is applicable to IP151, IP251G, IP301G, IP701G only

Using the Admin Settings menu

To access the Admin Settings menu:

1. When the phone is idle, press MENU. The Main menu appears.



2. Press ▲ or ▼ to highlight **Admin Settings**, then press **OK**.

   -or-

   Press 4 (Admin Settings) on the dial pad.

3. Use the dial pad to enter the admin password, the press **OK**. The default password is **admin**.

The Admin Settings are:

Setting	**Options**
1. **Erreur ! Source u renvoi introuvable.**	1. DHCP (Enable, Disable) 2. Set static IP 3. VLAN ID 4. Others
2. Line Menu	1. LINE 1 … N. LINE N
3. Provisioning Menu	1. Server 2. Login 3. Password
4. Reset to default	Press **OK** to display a screen that allows you to reset the phone to factory default settings.
5. Restart phone	Press **OK** to display a screen that allows you to restart the phone.

Network settings (IPv4)

This chapter is applicable for models **Temporis IP150, IP300, IP700G, IP1850**

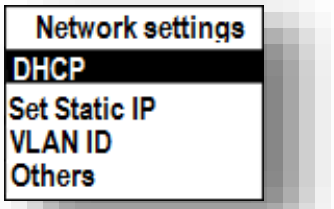
Use the Network setting menu to configure network-related settings for the phone.

Note: After you confirm any of the network settings, the phone may restart.

To use the Network setting menu:

1. From the Admin settings menu, press ▲ or ▼ to highlight **Network setting**, then press **ENTER**.

   The Network setting menu appears.



2. Press ▲ or ▼ to highlight the desired option:

DHCP
Set static IP
VLAN ID
Others (DNS and NTP servers).

, then press **OK** key or **ENTER** softkey.

To enable or disable DHCP:

1. From the Network setting menu, press ▲ or ▼ to highlight DHCP, then press **ENTER**.
2. Press **OK** key to toggle between Enabled and Disabled, then press **SET** softkey.

DHCP is enabled by default, which means the base or desktop phone will get its IP address from the network. When DHCP is disabled, you must enter a static IP address.

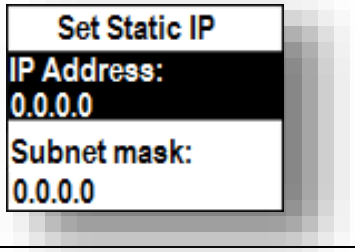
Note: You must be familiar with TCP/IP principles and protocols to configure static IP settings.

To set static IP for the base or desktop phone:

1. From the Network setting menu, press ▲ or ▼ to highlight **Set static IP**, then press **OK** or **ENTER** softkey.

   If DHCP is disabled, the **Set static IP** menu appears. If DHCP is enabled, an error message appears briefly before returning you to the Network setting menu.

2. On the Set static IP menu, enter the static IP address. Use the dial pad and ”*” key to enter characters and dots.

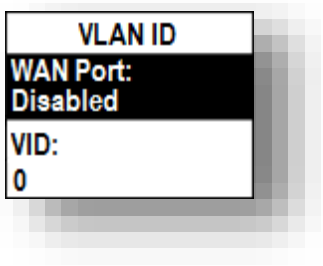


3. Press ▼ and enter the Subnet Mask. Use **BACKSP** softkey, digit dial pad and "*" key to enter characters and dots.

4. Press ▼ and enter the Gateway. Use **BACKSP** softkey, digit dial pad and "*" key to enter characters and dots.
5. Press SAVE softkey.

To set the VLAN ID for the base or desktop phone:

1. From the Network setting menu, press ▲ or ▼ to highlight **VLAN ID**, and then press **OK**.
2. On the VLAN ID menu, press **OK** to toggle between Enable and Disable states for WAN VLAN.

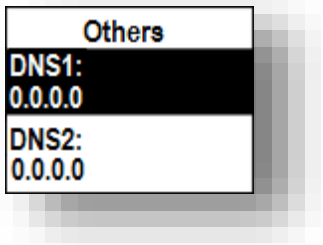


3. Press ▼ and enter the WAN VID. Use the dial pad and the BACKSP soft key to enter characters. The valid range is 0 to 4095.
4. Press ▼ and enter WAN Priority. Use the dial pad and the BACKSP soft key to enter characters.
5. Press SAVE.

To set other settings (DNS and NTP):

1. From the Network setting menu, press ▲ or ▼ to highlight **Others**, then press **OK**.

   If DHCP is disabled, the **Others** menu appears. If DHCP is enabled, an error message appears briefly before returning you to the Network setting menu.



2. Enter the IP address for the primary DNS server. Use **BACKSP** softkey, digit dial pad and "*" key to enter characters and dots.
3. Press ▼ and enter the IP address for the secondary DNS server. The phone uses this server if the primary server does not respond. Use **BACKSP** softkey, digit dial pad and "*" key to enter characters and dots.

4. Press ▼ and enter the IP address or url for the NTP server. Use **BACKSP** softkey and dial pad to enter characters and dots.
5. If the base or desktop phone does not use an NTP server, you must manually enter the time and date settings in User settings menu.
6. Press Save.

Network settings (IPv4/IPv6)

This chapter is applicable to models **Temporis IP151, IP251G, IP301G and IP701G**

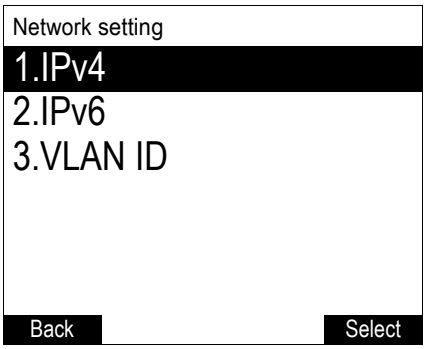
Use the Network setting menu to configure network-related settings for the phone.

Note: After you confirm any of the network settings, the phone may restart.

To use the Network setting menu:

7. From the Admin settings menu, press ▲ or ▼ to highlight **Network setting**, then press **ENTER**.

   The Network setting menu appears.

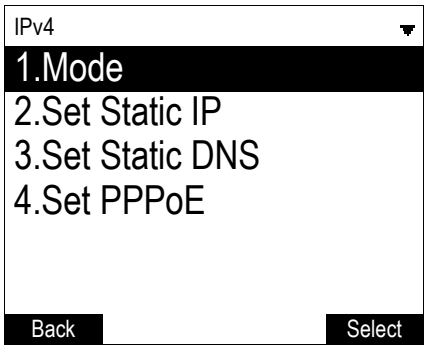


2. Press ▲ or ▼ to highlight the desired option, and then press **SELECT**:

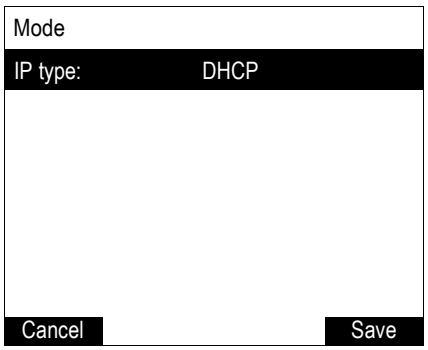
   - IPv4
     - Mode (DHCP, Static IP, PPPoE, Disabled)
     - Set static IP
     - Set static DNS
     - Set PPPoE (Point-to-Point Protocol over Ethernet)
   - IPv6
     - Mode (Disabled, Auto, Static IP)
     - Set static IP
     - Set static DNS
   - VLAN ID

To set the network mode:

1. From the **Network setting** menu, press ▲ or ▼ to highlight your network type (**IPv4** or **IPv6**), and then press **SELECT**.
   The selected network type screen appears (**IPv4** menu shown below).



2. With **Mode** selected, press **SELECT.** The **Mode** menu appears



3. Press ◀ or ▶ to select the network mode for your network type, and then press **Save**

DHCP (IPv4) or Auto (IPv6) is enabled by default, which means the set will get its IP address from the network. When DHCP and Auto are disabled, you must enter a static addressIP for your phone

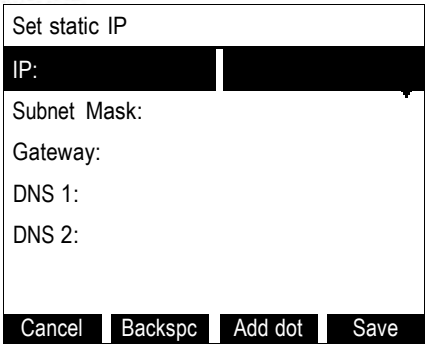
NOTE You must be familiar with TCP/IP principles and protocols to configure static IP settings.

To set static IP for your phone:

1. From the **Mode** menu, press ◀ or ▶ to select **Static IP**, and then press **SELECT**.

   If DHCP is disabled, the **Set static IP** menu appears. If DHCP is enabled, an error message appears briefly before returning you to the **Network setting** menu.

2. On the **Set static IP** menu, enter the static IP address. Use the dial pad and the **Add dot** soft key to enter characters. Press ◀ or ▶ to advance to the next character.



4. Press ▼ and enter the Subnet Mask. Use the dial pad and the **Add dot** soft key to enter characters. Press ◄ or ► to advance to the next character

4. Press ▼ and enter the Gateway. Use the dial pad and the **Add dot** soft key to enter characters. Press ◄ or ► to advance to the next character.

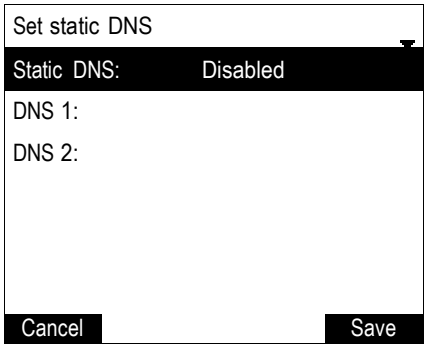
5. Press ▼ and enter the IP address for the primary DNS server. Use the dial pad and the **Add dot** soft key to enter characters. Press ◄ or ► to advance to the next character

6. Press ▼ and enter the IP address for the secondary DNS server. The phone this server if the primary server does not respond.
7. Press Save softkey

To set static DNS:

1. From the **Network setting** menu, press ▲ or ▼ to highlight **IPv4** or **IPv6** (whichever is in use in **Static** mode), and then press **SELECT**.

2. Highlight **Set static DNS** and then press **SELECT**.
The **Set static DNS** menu appears.



3. On the **Set static DNS** menu, press ◄ or ► to set **Static DNS** to **Enabled**.

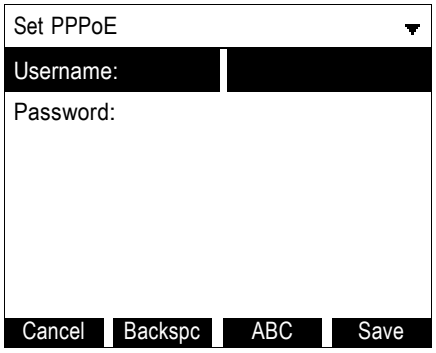
4. Press ▼ and then enter the IP address for the primary DNS server.

5. Press ▼ and then enter the IP address for the secondary DNS server.
6. Press **Save**

To set PPPoE:

1. From the **Network setting** menu, press ☐ or ☐ to highlight **IPv4** (which must be in **PPPoE** mode), and then press **SELECT**.

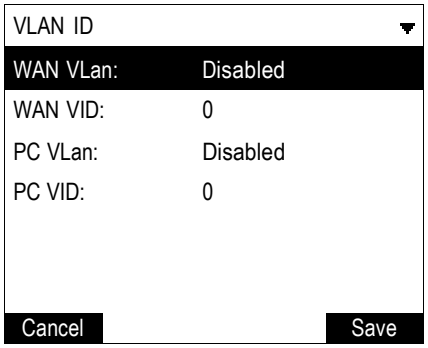
2. Highlight **Set PPPoE** and then press **SELECT**. The **Set PPPoE** menu appears.



5. On the **Set PPPoE** menu, enter the PPPoE account Username.
6. Press ▼ and then press **Edit** if you are required to enter a PPPoE account.
7. Enter a password, if you are required to enter a PPPoE password.
8. Press **Save**

To set the VLAN ID:

1. From the **Network setting** menu, press ▲ or ▼ to highlight **VLAN ID**, and then press z**SELECT**.
2. On the **VLAN ID** menu, press ◀ or ▶ to enable or disable the WAN VLan.



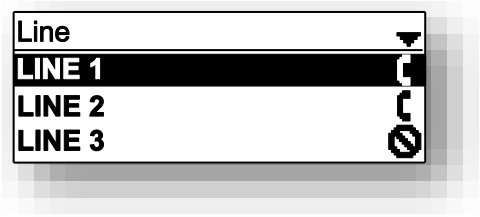
3. Press ▼ and enter the WAN VID. Use the dial pad and the **Backspc** soft key to enter characters. The valid range is 0 to 4095.
4. Press ▼ and then press ◀ or ▶ to enable or disable the PC port VLan.
5. Press ▼ and enter the PC port number. Use the dial pad and the **Backspc** soft key to enter characters. The valid range is 0 to 4095.
6. Press **Save**

Line Menu

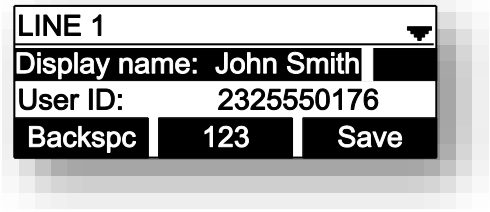
Use the Line menu to configure line-specific settings for the phone.

To use the Line setting menu:

1. From the Admin Settings menu, press ▼ to highlight **Line**, and then press **SELECT**.
   The Line menu appears.



2. Highlight the desired line, if necessary, by pressing ▼, and then press **SELECT**.
   The full configuration menu for that line appears.



You can configure:

- Display name
- User ID
- Authorization ID
- Authorization Password
- SIP Registrar Server IP
- Registrar Server port
- Proxy server IP
- Proxy server port
- Register (Yes or No)
- Answer page (Manual or Auto)

For more information about these settings, see SIP Account Management on page 90.

3. Edit the Line settings using the dial pad and the soft keys available for each setting:

- Backspc—deletes a character
- 123—enables you to enter numbers, lower case letters, or upper case letters with the dial pad. Does not appear when the setting accepts numbers only.
- Save—saves and applies the new settings
- Edit—enables you to edit the setting (appears for the Password setting)

Press ◄ or ► to advance to the next character.

Provisioning Menu

Use the Provisioning menu to manually configure auto-provisioning settings. For more information about auto-provisioning, see Provisioning on page 173 and Provisioning Using Configuration Files on page 193.

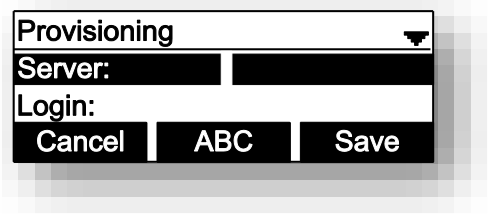
On the Provisioning menu you can configure:

- Server string—the URL of the provisioning server. The URL can include a complete path to the configuration file.
- Login ID—the username the phone will use to access the provisioning server.
- Login PW—the password the phone will use to access the provisioning server.

To use the Provisioning menu:

1. From the Admin Settings menu, press ▼ to highlight **Provisioning**, and then press **OK**.

   The Provisioning menu appears.



2. Enter the server URL using the dial pad keys:
   - Backspc—deletes a character
   - 123—enables you to enter numbers, lower case letters, or upper case letters with the dial pad. Does not appear when the setting accepts numbers only.
   - Save—prompts you to reboot the phone and apply the new settings
   - Edit—enables you to edit the setting (appears for the Password setting)

   The format of the URL must be RFC 1738 compliant, as follows:
   "<schema>://<user>:<password>@<host>:<port>/<url-path>"

   "<user>:<password>@" may be empty.

   "<port>" can be omitted if you do not need to specify the port number.
3. Press ▼ to move to the next line and enter the Login ID for access to the provisioning server if it is not part of the server string.
4. Press ▼ to move to the next line and enter the Login password.
5. Press Save.

Security Menu

Security menu is available for models **Temporis IP151, IP251G, IP301G and IP701G**.

Here you can configure the phone lock feature, and enable or disable the Web server.

The Web server setting determines whether the embedded WebUI is available from the phone. When the Web server is disabled, the phone can be configured using the phone menus or via provisioning only.

The Phone Lock feature restricts certain hard keys and features unless the user enters a PIN code. There are three escalating modes of lockout:

- **Restricted Config** only locks out the menu and voicemail.

When Restricted Config is enabled, the following keys/features are restricted:

  - MENU key
  - Settings soft key
  - Messages soft key
  - Messages PFK
  - MESSAGE key

- **Restricted Call** locks out all advanced calling features, including transfer, conference and hold, via hard keys, soft keys and PFKs. The phone operates only in single call, single account mode.

When Restricted Call is enabled, the following keys and features are restricted in addition to those restricted as part of Restricted Config:

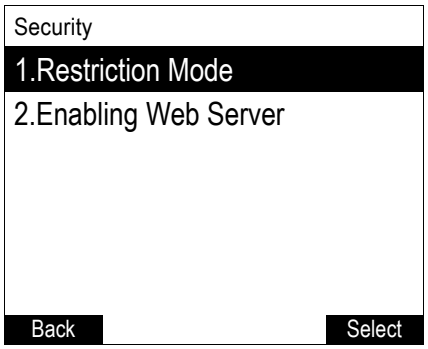
  - HOLD key
  - SELECT key
  - UP, DOWN, LEFT, RIGHT keys
  - CALL HISTORY key
  - DIRECTORY key
  - REDIAL key
  - FLASH key
  - DND key
  - TRANSFER key
  - CONFERENCE key
  - All soft keys not listed as part of Restricted Config
  - LOWER key
  - All PFKs
  - Outgoing Multicast
  - Outgoing Server-side Paging

- **Emergency Call Only** locks out all outgoing calls except emergency calls.

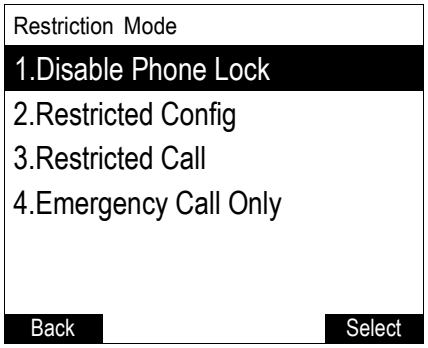
Emergency numbers must match the Emergency Dial Plan, as configured under "General Account Settings". Incoming calls are still allowed for all modes.

To use the Security menu:

1. From the **Admin Settings** menu, press ▼ to highlight Security, and then press **SELECT**.
The Security menu appears

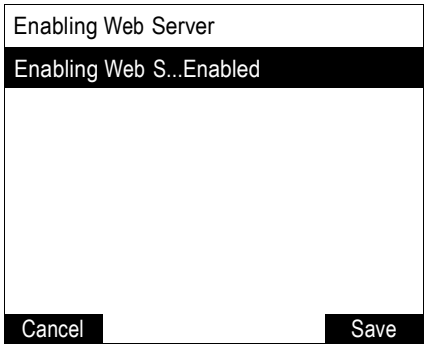


2. With Restriction Mode highlighted, press SELECT.
The **Restriction Mode** menu appears.



3. Press ▲ or ▼ to highlight the desired restriction mode, and then press SELECT.
The Security menu appears.

4. Press ▲ or ▼ to highlight Enabling Web Server, and then press SELECT.
The Enabling Web Server menu appears.



5. Press ◀ or ▶ to select Enabled or Disabled.
6. Press Save.

ALCATEL
home & business phones

Using Menu in your IP15 cordless handset

Your cordless handset **IP15** menu has nine sub-menus:

Message-access voicemail for assigned accounts
Directory-access and manage contact directory
Call History-access and manage call lists
Intercom-launch internal calls to other handsets
Speed dial- manage your speed dial list
Features—manage calls
Status—view the deskset network status, account registration status, and product information.
User Settings—allows the user to set the language for the display, configure the appearance of the display, or customize the audio settings.
Admin Settings—configure network settings (enter static IP addresses, for example), provisioning settings, launch handset firmware upgrade, change DECT sytem PIN or enable secure browsing for example.

The first six submenus can be considered to be mainly functionality related, whereas the last three are more connected to administration.

This guide mainly contains instructions for using the Admin Settings menu and for accessing the Status menu, but we will also give an overview on the other submenus, which we will group in a User Functionality submenus chapter.

To use the phone menu:

1. When the phone is idle, press **MENU**.

   The main menu appears.

9. Press ▼ or ▲ to highlight the desired sub-menu, and then press **OK** key, or **ENTER** soft key

Press **OK** or an appropriate soft key to save changes.
Press or an appropriate soft key to cancel an operation, exit the menu display or return to the idle screen.

User functionality submenus

The table below summarizes the different functions available in the user functionality related submenus.
Depending on whether you are using your IP15 handset with an IP2015 base or with a Temporis IP300/Temporis IP700G desk set, some minor differences can be found. They are detailed in the table.

Level 1	Level 2	Level 3
Message (n is the number of available sip accounts on the product or	Line 1 … Line n	

assigned to the handset on IP2x15)		
Directory	Local directory	Options: Search/Add new/Delete all/ Review: Dial/Edit/Edit dial/Delete
	Base directory	With IP2015/IP2115 base: Options: Search/Add new/Delete all Review: Dial/Edit/Edit dial/Delete
		With IP30x/IP70xG deskset: Options: Search Review: Dial, Edit dial
	LDAP (name depending on configuration)	Search, Dial, Edit dial, Save
	Broadsoft (name depending on configuration)	Search, Dial, Edit dial, Save
	Blacklist	With IP2015/IP2115 base: Options: Search/Add new/Delete all Review: Dial/Edit/Edit dial/Delete
		With IP30x/IP70xG deskset: Options: Search Review: Dial, Edit dial
Call history	Missed calls	With IP2015/IP2115 base: Delete all Review: Delete/Dial/Edit dial /Save
		With IP30x/IP70xG deskset: Review: Dial/Edit dial /Save
	Received calls	With IP2015/IP2115 base: Delete all Review: Delete/Dial/Edit dial /Save
		With IP30x/IP70xG deskset: Review: Dial/Edit dial /Save
	Dialed calls	With IP2015/IP2115 base: Delete all Review: Delete/Dial/Edit dial /Save
		With IP30x/IP70xG deskset: Review: Dial/Edit dial /Save
Intercom (with IP2x15 only; m is the number of registered handsets)	Handset 1 … Handset m	

Speed dial	1. 2. … 0.	Add/Edit/Delete
Features	DND	Available or assigned accounts list DND status OK to toggle, SET to save
	Call Forward	Available or assigned accounts list CFW statuses OK to toggle, SET to save
	Block Anonymous	Available or assigned accounts list CFW statuses OK to toggle, SET to save
	Dial as anonymous	Available or assigned accounts list CFW statuses OK to toggle, SET to save
	Lift HS answer	Lift HS answer status OK to toggle, SET to save
	Miss Call alert	Show alert Hide alert SET to save
	Call Waiting	Show alert Hide alert SET to save

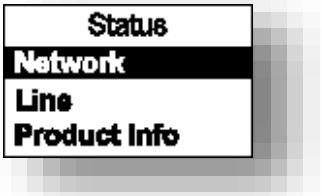
Status

Use the status menu to verify network settings and begin troubleshooting if network problems or account registration issues affect phone operation.

You can also find the software version of the phone on the Product Info screen, available from the Status menu.

To view the Status menu:

1. When the phone is idle, press **MENU**.
10. On the Main menu, press ▲ or ▼ to highlight **Status**, then press **OK**. The Status menu appears.



11. On the Status menu, press ▲ or ▼ to highlight the desired menu, then press **OK**.

The available status menus are:

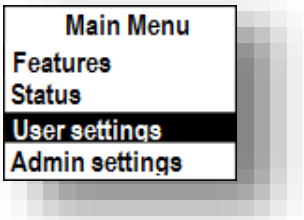
Menu	Information listed
Network	IP address DHCP status (Enabled/Disabled) Subnet Mask IP address Gateway IP address DNS server 1 IP address DNS server 2 IP address
Line	Lines and registration status. On the Line menu, highlight and select the desired line to view detailed line status information: Line status (Registered/Not registered/Disabled) Line display name Line User ID Server address
Product Info	Handset Model number Serial number FW version V-Series HW version Base FW version V-Series HW version

User Settings

User Settings menu allows easy customization of some aspects of the phone, e.g. language, time and date, preferred ring tone, or DECT handsets management.

To view the User Settings menu:

2. When the handset is idle, press **MENU**.
12. On the Main menu, press ▲ or ▼ to highlight **User settings**, then press **OK or ENTER** softkey. The User settings menu appears.



The available options appearing when you enter User Settings menu are as follows, where "n" is the maximum number of sip accounts supported in your product (i.e. 2 for IP150/IP151, 3 for IP300/IP301G and IP1850, 5 for IP700G/IP701G) and "M" is the number of available PFK appearances (i.e. 20 for IP150/IP151, 24 for IP300/IP301G, 36 for IP700G/IP701G):

Language	English Français Español Italiano Português	Select and SET/BACK

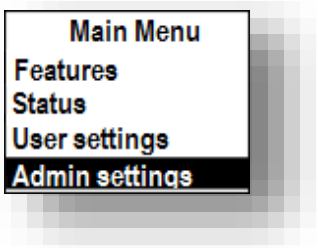
	Deutsch Nederlands Ελληνικα	
Set date/time	Date format Set date Clock format Set time	Edit or select and SET/BACK
Phone rename	Edit and SET/BACK	
Contrast (Level 1 to 8)	Select and SET/BACK	
Ringers	Ringer Volume	Select and SET/BACK
	Ringer Tones	Line 1(Melody 1 to 10) … Line n(Melody 1 to 10)
Low batt tone	On/Off	SET/BACK
Link lost tone	On/Off	SET/BACK
Key tone	On/Off	SET/BACK
Registration	Handset	Select Base or Deskset and launch or cancel
	Deregistration	Enter PIN Select handset (if more than one)

Admin Settings

To access the Admin settings menu:

1. When the handset is idle, press MENU. The Main menu appears.

2. Press ▲ or ▼ to highlight **Admin Settings**, then press **OK**.



3. Use the dial pad to enter the admin password, then press **OK**. The default password is **admin**.

   Note: default text input mode on the handset is "Abc" as indicated at the top of the screen. To toggle between "Abc", "ABC" and "abc" modes please press **"*" key .**

Admin Settings are:

Setting	**Options**

Erreur ! Source du envoi introuvable.s	DHCP (Enable, Disable) Set static IP VLAN ID Others
Secure browsing	Enabled Disabled (Toggle with OK and press SET or BACK. Requires reboot)
Provisioning Menu	Server string Login Password (Edit and SAVE or BACK)
Edit PIN code	Enter old PIN: Enter new PIN: Repeat new PIN:
Firmware update	Checks for available updates installed in the base's memory If updates are available, YES or NO to proceed.

Network settings (IPv4)

This chapter is applicable to IP15 when used in conjunction with an IPv4 model (Temporis IP300 or IP700G, Alcatel IP2015 base).

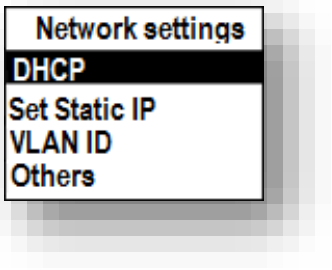
Use the Network setting menu to configure network-related settings for the phone.

Note: After you confirm any of the network settings, the phone may restart.

To use the Network setting menu:

1. From the Admin settings menu, press ▲ or ▼ to highlight **Network setting**, then press **ENTER**.

   The Network setting menu appears.



2. Press ▲ or ▼ to highlight the desired option:

DHCP

Set static IP
VLAN ID
Others (DNS and NTP servers).

, then press **OK** key or **ENTER** softkey.

To enable or disable DHCP:

1. From the Network setting menu, press ▲ or ▼ to highlight DHCP, then press **ENTER**.
2. Press **OK** key to toggle between Enabled and Disabled, then press **SET** softkey.

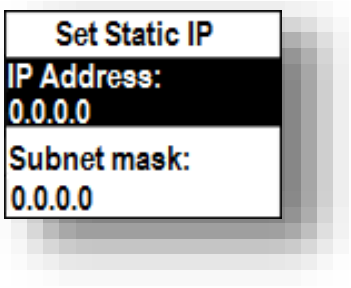
DHCP is enabled by default, which means the base or desktop phone will get its IP address from the network. When DHCP is disabled, you must enter a static IP address.

Note: You must be familiar with TCP/IP principles and protocols to configure static IP settings.

To set static IP for the base or desktop phone:

1. From the Network setting menu, press ▲ or ▼ to highlight **Set static IP**, then press **OK** or **ENTER** softkey.

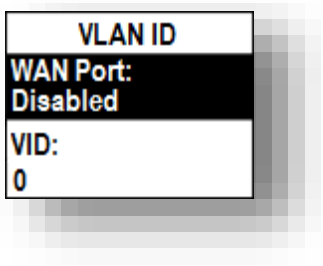
   If DHCP is disabled, the **Set static IP** menu appears. If DHCP is enabled, an error message appears briefly before returning you to the Network setting menu.
2. On the Set static IP menu, enter the static IP address. Use the dial pad and ”*” key to enter characters and dots.



3. Press ▼ and enter the Subnet Mask. Use **BACKSP** softkey, digit dial pad and ”*” key to enter characters and dots.
4. Press ▼ and enter the Gateway. Use **BACKSP** softkey, digit dial pad and ”*” key to enter characters and dots.
5. Press SAVE softkey.

To set the VLAN ID for the base or desktop phone:

1. From the Network setting menu, press ▲ or ▼ to highlight **VLAN ID**, and then press **OK**.
2. On the VLAN ID menu, press **OK** to toggle between Enable and Disable states for WAN VLAN.

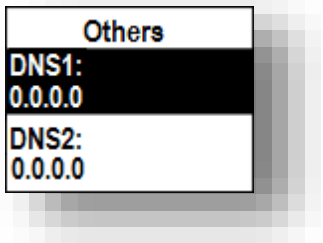


3. Press ▼ and enter the WAN VID. Use the dial pad and the BACKSP soft key to enter characters. The valid range is 0 to 4095.
4. Press ▼ and enter WAN Priority. Use the dial pad and the BACKSP soft key to enter characters.
5. Press SAVE.

To set other settings (DNS and NTP):

1. From the Network setting menu, press ▲ or ▼ to highlight **Others**, then press **OK**.

   If DHCP is disabled, the **Others** menu appears. If DHCP is enabled, an error message appears briefly before returning you to the Network setting menu.



2. Enter the IP address for the primary DNS server. Use **BACKSP** softkey, digit dial pad and "*" key to enter characters and dots.
3. Press ▼ and enter the IP address for the secondary DNS server. The phone uses this server if the primary server does not respond. Use **BACKSP** softkey, digit dial pad and "*" key to enter characters and dots.
4. Press ▼ and enter the IP address or url for the NTP server. Use **BACKSP** softkey and dial pad to enter characters and dots.
5. If the base or desktop phone does not use an NTP server, you must manually enter the time and date settings in User settings menu.
6. Press Save.

Network settings (IPv4/IPv6)

This chapter is applicable to IP15 when used in conjunction with an IPv4/IPv6 model (Temporis IP301G or IP701G, Alcatel IP2115 base)

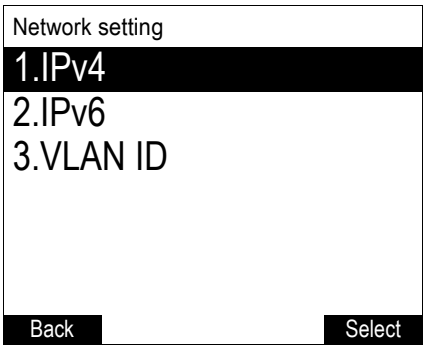
Use the Network setting menu to configure network-related settings for the phone.

Note: After you confirm any of the network settings, the phone may restart.

To use the Network setting menu:

1. From the Admin settings menu, press ▲ or ▼ to highlight **Network setting**, then press **ENTER**.

   The Network setting menu appears.



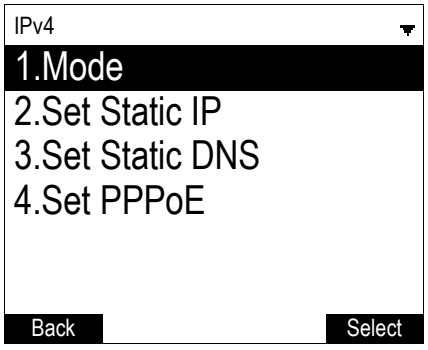
2. Press ▲ or ▼ to highlight the desired option, and then press **SELECT**:

   - IPv4
     - Mode (DHCP, Static IP, PPPoE, Disabled)
     - Set static IP
     - Set static DNS
     - Set PPPoE (Point-to-Point Protocol over Ethernet)
   - IPv6
     - Mode (Disabled, Auto, Static IP)
     - Set static IP
     - Set static DNS
   - VLAN ID

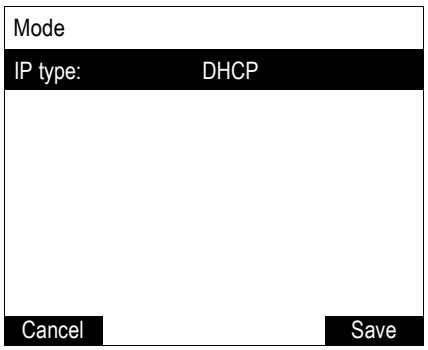
To set the network mode:

1. From the **Network setting** menu, press ▲ or ▼ to highlight your network type (**IPv4** or **IPv6**), and then press **SELECT**.

   The selected network type screen appears (**IPv4** menu shown below).



2. With **Mode** selected, press **SELECT.** The **Mode** menu appears.



3. Press ◀ or ▶ to select the network mode for your network type, and then press **Save**

DHCP (IPv4) or Auto (IPv6) is enabled by default, which means the set will get its IP address from the network. When DHCP and Auto are disabled, you must enter a static IP address for your phone

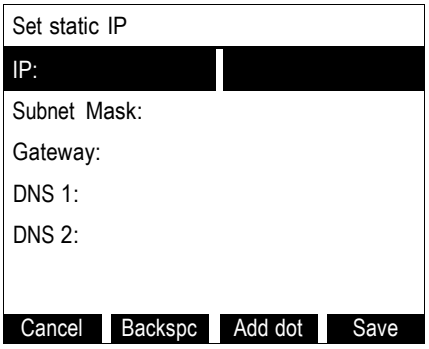
NOTE: You must be familiar with TCP/IP principles and protocols to configure static IP settings.

To set static IP for your phone:

1. From the **Mode** menu, press ◀ or ▶ to select **Static IP**, and then press **SELECT**.

   If DHCP is disabled, the **Set static IP** menu appears. If DHCP is enabled, an error message appears briefly before returning you to the **Network setting** menu.

2. On the **Set static IP** menu, enter the static IP address. Use the dial pad and the **Add dot** soft key to enter characters. Press ◀ or ▶ to advance to the next character.



3. Press ▼ and enter the Subnet Mask. Use the dial pad and the **Add dot** softkey to enter characters. Press ◀ or ▶ to advance to the next character

4. Press ▼ and enter the Gateway. Use the dial pad and the **Add dot** soft key to enter characters. Press ◀ or ▶ to advance to the next character.

5. Press ▼ and enter the IP address for the primary DNS server. Use the dial pad and the **Add dot** soft key to enter characters. Press ◀ or ▶ to advance to the next character

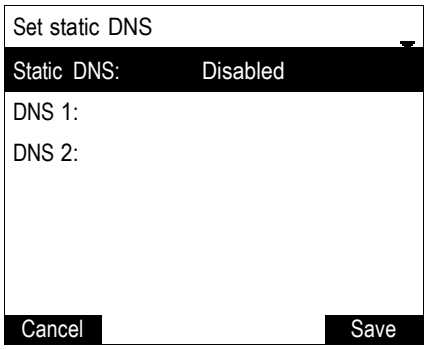
6. Press ▼ and enter the IP address for the secondary DNS server. The phone will use this server if the primary server does not respond.
7. Press Save softkey

To set static DNS:

1. From the **Network setting** menu, press ▲ or ▼ to highlight **IPv4** or **IPv6** (whichever is in use in **Static** mode), and then press **SELECT**.

2. Highlight **Set static DNS** and then press **SELECT**.

The **Set static DNS** menu appears.



3. On the **Set static DNS** menu, press ◀ or ▶ to set **Static DNS** to **Enabled**.

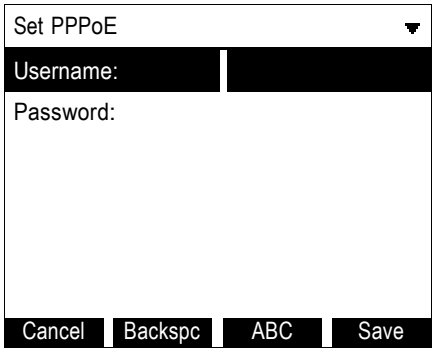
4. Press ▼ and then enter the IP address for the primary DNS server.

5. Press ▼ and then enter the IP address for the secondary DNS server.
6. Press **Save**

To set PPPoE:

1. From the **Network setting** menu, press ☐ or ☐ to highlight **IPv4** (which must be in **PPPoE** mode), and then press **SELECT**.

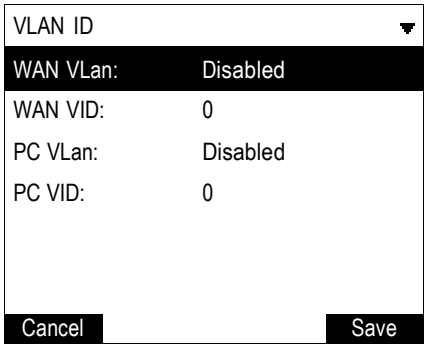
2. Highlight **Set PPPoE** and then press **SELECT**. The **Set PPPoE** menu appears.



3. On the **Set PPPoE** menu, enter the PPPoE account Username.
4. Press ▼ and then press **Edit** if you are required to enter a PPPoE account.
5. Enter a password, if you are required to enter a PPPoE password.
6. Press **Save**

To set the VLAN ID:

1. From the **Network setting** menu, press ▲ or ▼ to highlight **VLAN ID**, and then press z**SELECT**.
2. On the **VLAN ID** menu, press ◀ or ▶ to enable or disable the WAN VLan.



3. Press ▼ and enter the WAN VID. Use the dial pad and the [redacted] to enter characters. The valid range is 0 to 4095.
4. Press ▼ and then press ◀ or ▶ to enable or disable the PC port VLan.
5. Press ▼ and enter the PC port number. Use the dial pad and the **Backspc** soft key to enter characters. The valid range is 0 to 4095.
6. Press **Save**

Provisioning Menu

Use the Provisioning menu to manually configure auto-provisioning settings. For more information about auto-provisioning, see Provisioning on page 173 and Provisioning Using Configuration Files on page 193.

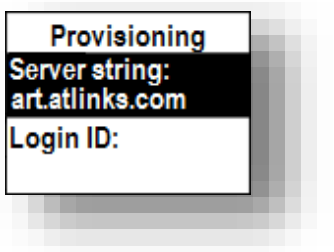
On the Provisioning menu you can configure:

- Server string—the URL of the provisioning server. The URL can include a complete path to the configuration file.
- Login ID—the username the phone will use to access the provisioning server.
- Login PW—the password the phone will use to access the provisioning server.

To use the Provisioning menu:

1. From the Admin settings menu, press ▼ to highlight **Provisioning**, and then press **OK**.

   The Provisioning menu appears.



2. Enter the server URL using the dial pad keys:
   - BACKSP—deletes a character
   - *—enables you to toggle between Abc, ABC, abc input modes. Does not appear when the setting accepts numbers only.
   - SAVE—prompts you to reboot the phone and apply the new settings
   - Edit—enables you to edit the setting (appears for the Password setting)

   The format of the URL must be RFC 1738 compliant, as follows:
   "<schema>://<user>:<password>@<host>:<port>/<url-path>"

   "<user>:<password>@" may be empty.

   "<port>" can be omitted if you do not need to specify the port number.
3. Press ▼ to move to the next line and enter the Login ID for access to the provisioning server if it is not part of the server string.
4. Press ▼ to move to the next line and enter the Login password.
5. Press Save.

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Using the WebUI

The Web User Interface (WebUI or WUI) resides on your phone. You can access it using an Internet browser, either as a **user** or as an **admin**istrator.

After you log in to the WebUI, you can configure the phone on different pages. Note the different pages accessible by admin and user profiles, as listed in the following table. Note also not all pages are accessible to all products.

The WebUI also has a **Status** page, where you can view network status and general information about your phone. The information on this page matches the Status menu on the phone.

Section	Page	admin	user
Status	• System Status	✓	✓
	• Handset Status	✓	
System	• SIP Account Management	✓	
	• Call Settings	✓	✓
	• Preferences	✓	✓
	• Programmable Keys	✓	✓
	• Speed Dial	✓	✓
	• Signaling	✓	
	• Ringer	✓	
	• Handset management	✓	
	• Paging Zones	✓	
	• Hot line settings	✓	
	• Server Applications	✓	
Network	• Basic Network Settings	✓	
	• Advanced Network Settings	✓	
Contacts	• Local Directory	✓	✓
	• Blacklist	✓	✓
	• LDAP	✓	

	• Broadsoft	✓	
	• Remote XML phonebook	✓	
	• Call History	✓	✓
Servicing	• Reboot	✓	
	• Time and Date	✓	
	• Custom Language	✓	
	• Firmware Upgrade	✓	
	• Provisioning	✓	
	• Security	✓	✓
	• Certificates	✓	
	• TR069	✓	
	• System Logs	✓	

Note some pages and some parameters are model specific, hence depending on your model you may not see all of the pages listed above and all of the parameters described in the coming chapters.

To access the WebUI:

1. Ensure that your computer is connected to the same network as your base or desktop phone. Your computer may already be connected to the network through the PC port on the back of your desk set.
2. Find the IP address of your phone:

   a. When the phone is idle, press **MENU**.

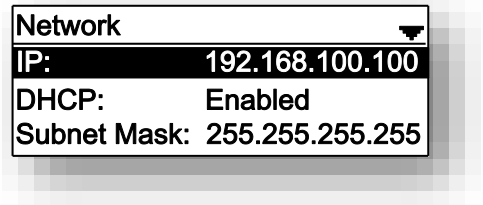
   b. Press ▼ to highlight **Status**, and then press **OK**.

   c. With **Network** highlighted, press **OK**.

   The Network status screen appears.

   Note: Instead of steps a, b, c, in most models you can use the shortcut to Network status (in idle mode press)

   d. On the Network status screen, note the IP Address.



e. For Temporis IP100, please see Find IP address on page 48

3. On your computer, open an Internet browser. (Depending on your browser, some of the pages presented here may look different and have different controls.)
4. Type the phone IP address in the browser address bar and press ENTER on your computer keyboard.

5. A login box appears. Under Username, enter **admin**. For the password, enter the default password, **admin**. You can change the password later on the **Servicing > Security** page. If you wish to login as a user, username and default password would be **user/user**.
6. On the login box, click **OK**.

   The WebUI appears.

Click topics from the navigation bar along the top of the WebUI, and then click links to individual pages along the left. You view and change settings in two different types of fields: drop-down lists and entry fields into which you type information. For your security, the WebUI times out after 10 minutes, so if it is idle for that time, you must log in again.

The remaining procedures in this section assume that you are already logged into the WebUI.

NOTE: The settings tables in this section contain settings that appear in the WebUI and their equivalent tags in the configuration file template. Settings only available on the configuration files are also described. You can use the configuration file template to create custom configuration files. Configuration files can be hosted on a provisioning server and used for automatically configuring phones. For more information, see Provisioning Using Configuration Files on page 193.

Saving Your Settings

Each WebUI settings page has a **Save** button. Click **Save** to save any changes you have made on the page. During a configuration session, click **Save** before you move on to the next WebUI page.

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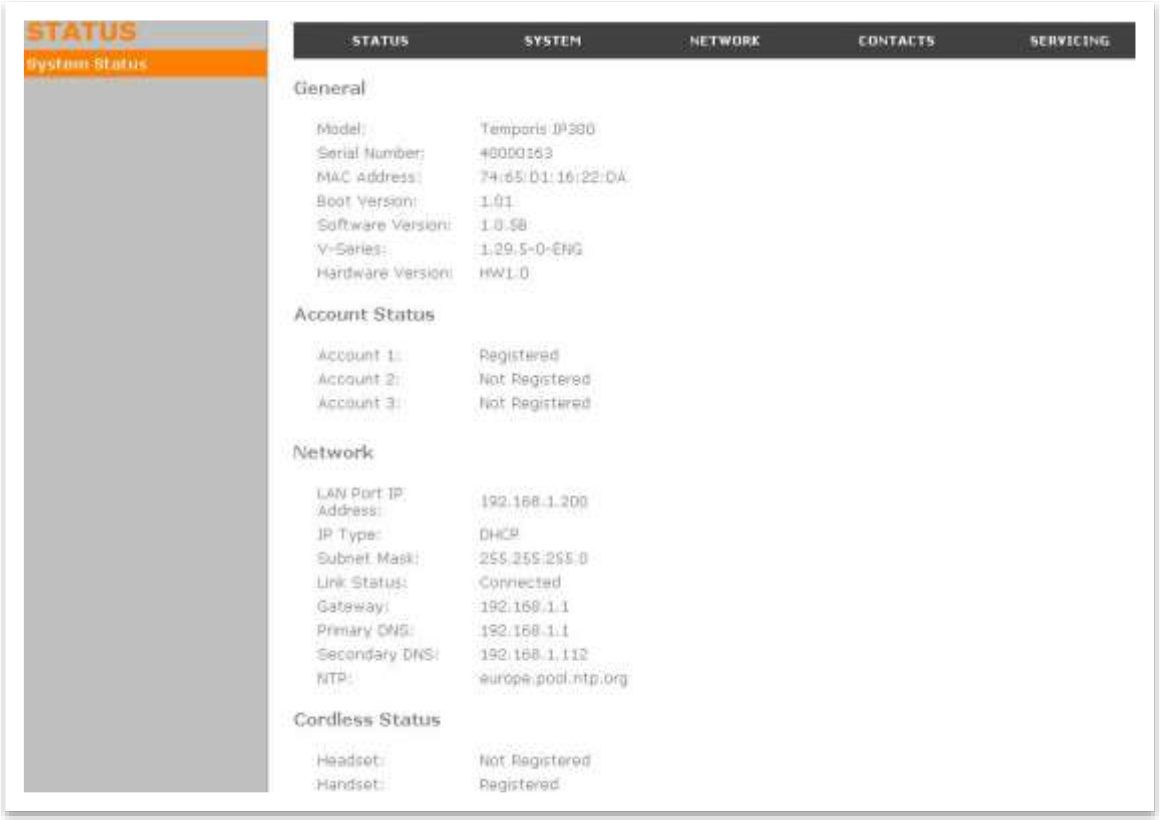
Status

The status page is equivalent to the Status menu on the phone UI. The information page shows different content depending on the model:

General information about your phone, including model, MAC address, and software version
Account Status information about your SIP account(s) registration
Network regarding your phone's network address and network connection
Cordless Status indicating whether a cordless headset and/or handset are registered to the deskset (For DECT enable models).
Handset Status information (registration and name) for the different handsets (IP2x15 model)

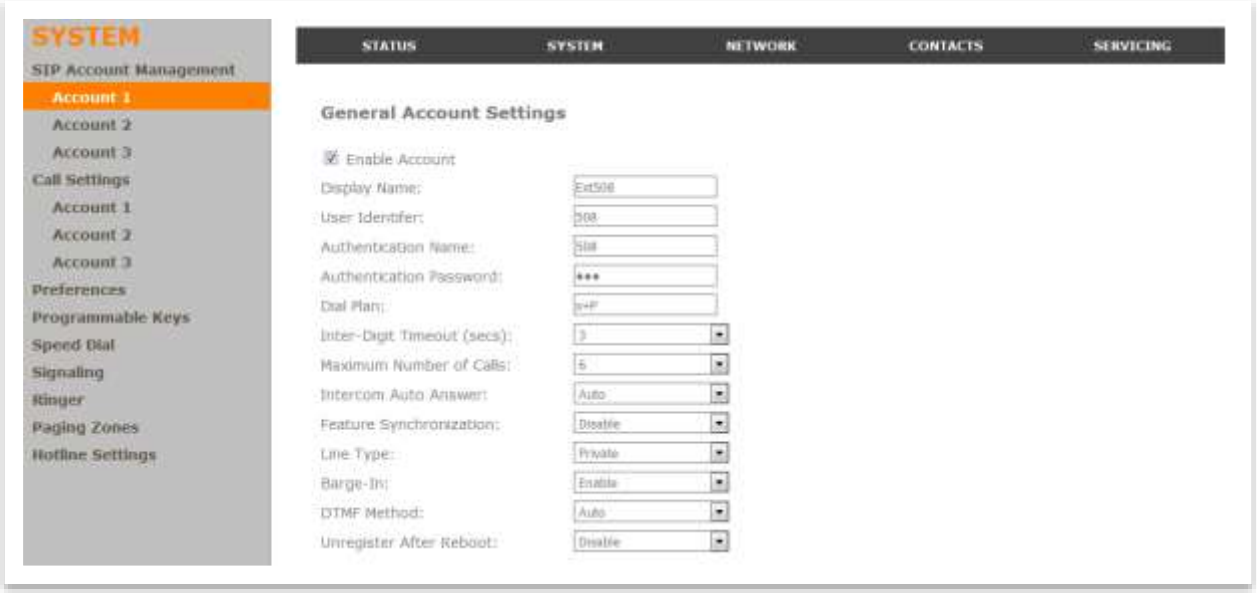


SIP Account Management

On the SIP Account Management pages, you can enter the account settings for each line you have ordered from your service provider. There are one or more Account settings pages (one for each available line) with identical settings on each page. The number of pages depends on the model: one for IP100, two for IP150/IP151 and IP251G, three for IP300 and IP1850, four for IP301G, five for IP700G and six for IP701G, IP2015 and IP2115.

The sip account settings are also available as parameters in the configuration file. See "sip_account" Module: SIP Account Settings on page 207.

Note: x stands for sip account index



General Account Settings

Setting	Description	Range	Default
Enable Account `sip_account.x.sip_account_enable`	Enable or disable the SIP account. Select to enable.	0: Disable 1: Enable	0
Account Label `sip_account.x.label`	Enter the name that will appear on the phone display when account x is selected.	string	blank
Display Name `sip_account.x.display_name`	Enter the Display Name. The Display Name is the text portion of the caller ID that is displayed for outgoing calls using account x. If the Account Label is blank, the	string	blank

	Display Name appears on the phone display when account x is selected.		
User identifier sip_account.x.user_id	Enter the User identifier supplied by your service provider. The User ID, also known as the Account ID, is usually the company's main number and is used as part of the caller ID displayed for outgoing calls. This field will only accept digits.	string	blank
Authentication name sip_account.x.authentication_name	Enter the authentication name (or authentication ID) supplied by your service provider. This is used for authentication with the service provider and in most cases is the same as the User ID.	string	blank
Authentication password sip_account.x.authentication_access_password	Enter the account authentication password, as supplied by your service provider.	string	blank
Dial Plan sip_account.x.dial_plan	Enter the dial plan, with dialing strings separated by a | symbol. See Dial Plan on page 107.	string	x+P
Call Restriction Dial Plan sip_account.x.call_restrict_dial_plan	Enter a call restriction dial plan, which prevents users from completing calls that match this dial plan on this account.	string	blank
Emergency Dial Plan sip_account.x.emergency_dial_plan	Enter the Emergency Dial plan, which will apply to both restricted calls (when the phone lock feature is set to Emergency Call Only—see "Using the Security menu" on page 70 "Security" on page 181) and other calls when the Phone Lock feature is not in use.	string	blank
Inter Digit Timeout (secs) sip_account.x.inter_digit_timeout	Sets the timeout before the dialed number is sent to the SIP server. To be more precise, it sets how long the phone waits after any "P" (pause) in the dial string or in the dial plan.	1–10 seconds	3 seconds
Maximum Number of Calls sip_account.x.maximum_call_number	Select the maximum number of concurrent active calls allowed for that account. The maximum value depends on the product and	1-10	6

	ranges from 2 on IP100 to 10 on IP701G.		
Page/Intercom Auto Answer `sip_account.x.auto_answer_enable`	Enables the deskset to automatically answer when an intercom request is received. This is usually the desired behavior for paging.	0: Disable 1: Enable	0
Page/Intercom Auto Answer during active calls `sip_account.x.auto_answer_during_active_call`	Enables the desk set to automatically answer when the intercom request is received during an active call	0: Disable 1: Enable	0
Feature Synchronization `sip_account.x.feature_sync_enable`	Enables the phone to synchronize with Broadworks Application Server. Changes to features such as DND, Call Forward All, Call Forward No Answer, and Call Forward Busy on the server side will also update the settings on the phone menu and WebUI. Similarly, changes using the phone or WebUI will update the settings on the server.	0: Disable 1: Enable	0
Server side control variant (not in WUI) `sip_account.x.server_side_ctrl_variant`	Set the server type that will control feature sync and FAC operation.	default, comverse	default
Line Type `sip_account.x.share_line_enable`	Select the line type. A private line will be accessible only at the deskset you are configuring.	0: Private 1: Shared	0
Barge-in `sip_account.x.barge_in_enable`	Enables subscribers to shared lines to "barge in" on active calls on other shared lines.	0: Disable 1: Enable	0
DTMF method `sip_account.x.dtmf_transport_method`	Select the default DTMF transmission method. You may need to adjust this if call quality problems are triggering unwanted DTMF tones or you have problems sending DTMF tones in general.	Auto, Event, Inband, SIP INFO	Auto

Unregister after reboot `sip_account.x.unregister_after_reboot_enable`	Enables the phone to unregister the account(s) after rebooting—before the account(s) register again as the phone starts up. If other phones that share the same account(s) unregister unexpectedly in tandem with the rebooting deskset, disable this setting.	0: Disable 1: Enable	0
Call Rejection Response Code `sip_account.x.call_rejection_response_code`	Select the response code for call rejection. This code applies to the following call rejection cases: -User presses Reject for an incoming call (except when Call Forward Busy is enabled) -DND is enabled -Phone rejects a second incoming call with Call Waiting disabled -Phone rejects an anonymous call with Anonymous Call Rejection enabled -Phone rejects call when the maximum number of calls is reached	480, 486, 603	486

SIP Server Settings

Setting	Description	Range	Default
Server address sip_account.x.primary_sip_server_address	Enter the IP address or fqdn for the SIP server.	IP address or fqdn	blank
Server port sip_account.x.primary_sip_server_port	Enter the port number that the SIP server will use.	0-65535	5060

Registration Settings

Setting	Description	Range	Default
Server address sip_account.x.primary_registration_server_address	Enter the IP address or fqdn for the registrar server.	IP address or fqdn	blank
Server port sip_account.x.primary_registration_server_port	Enter the port number that the registrar server will use.	0-65535	5060
Expiration sip_account.x.primary_registration_expires	Enter the desired registration expiry time in seconds. This is usually 3600 seconds (1 hour).	0–65535	3600
Registration Freq (secs) sip_account.x.registration_retry_time	Enter the desired registration retry time in seconds. If registration using the Primary Outbound Proxy fails, the Registration Freq setting determines the number of seconds before a registration attempt is made using the Backup Outbound Proxy.	1–1800	10

Outbound Proxy Settings

Setting	Description	Range	Default
Server address sip_account.x.primary_outbound_proxy_server_address	Enter the IP address or fqdn for the outbound proxy server.	IP address or fqdn	blank
Server port sip_account.x.primary_outbound_proxy_server_port	Enter the port number that the outbound proxy server will use.	0–65535	5060

Backup Outbound Proxy Settings

Setting	Description	Range	Default
Server address `sip_account.x.backup_outbound_proxy_server_address`	Enter the IP address or fqdn for the backup outbound proxy server.	IP address or fqdn	blank
Server port `sip_account.x.backup_outbound_proxy_server_port`	Enter the port number that the backup outbound proxy server will use. This is usually 5060.	0–65535	5060

Caller Identity Settings

Setting	Description	Range	Default
Caller ID Source Priority 1 `sip_account.x.cid_src_priority.1`	Select the desired caller ID source to be displayed on the incoming call screen: "From" field, RPID (Remote-Party ID) or PAI (P-Asserted Identity) header.	pai, from, rpid	pai
Caller ID Source Priority 2 `sip_account.x.cid_src_priority.2`	Select the lower-priority caller ID source.	pai, from, rpid	from
Codec priority 3 `sip_account.x.cid_src_priority.3`	Select the lowest-priority caller ID source.	pai, from, rpid	rpid

Audio Settings

Setting	Description	Range	Default
Ringer Tone `user_pref.account.x.ringer`	Sets the ringer tone for incoming calls on the account.	Tone 1–10	Tone 1
Codec Priority 1 `sip_account.x.codec_priority.1`	Select the codec to be used first during a call.	G.711a, G.711u, G.729, G.726, G.722, ilbc	G.711u
Codec priority 2 `sip_account.x.codec_priority.2`	Select the codec to be used second during a call in the event near-end and far-end cannot negotiate the first codec.	None, G.711a, G.711u, G.729, G.726, G.722, ilbc	G.711a
Codec priority 3 `sip_account.x.codec_priority.3`	Select the codec to be used third during a call if previous codecs fail.	None, G.711a, G.711u, G.729, G.726, G.722, ilbc	G.729
Codec priority 4 `sip_account.x.codec_priority.4`	Select the codec to be used fourth during a call if previous codecs fail.	None, G.711a, G.711u, G.729, G.726, G.722, ilbc	G.726

Codec priority 5 sip_account.x.codec_priority.5	Select the codec to be used fifth during a call if previous codecs fail.	None, G.711a, G.711u, G.729, G.726, G.722, ilbc	G.722
Enable voice encryption (SRTP) sip_account.x.voice_encryption_enable	Select to enable secure RTP for voice packets.	0: disable 1: enable	0
Enable G.729 Annex B sip_account.x.g729_annexb_enable	When G.729a/b is enabled, select to enable G.729 Annex B, with voice activity detection (VAD) and bandwidth-conserving silence suppression.	0: disable 1: enable	0
Preferred Packetization Time (ms) sip_account.x.preferred_ptime	Select the packetization interval time in ms.	10, 20, 30, 40, 50, 60	20
DTMF Payload Type sip_account.x.dtmf_payload_type	Set the DTMF payload type for in-call DTMF from 96–127	96-127	101

Quality of Service

Setting	Description	Range	Default
DSCP (voice) sip_account.x.dscp	Enter the Differentiated Services Code Point (DSCP) value from the Quality of Service setting on your router or switch.	0-63	46
DSCP (signalling) sip_account.x.sip_dscp	Enter the Differentiated Services Code Point (DSCP) value from the Quality of Service setting on your router or switch.	0-63	26

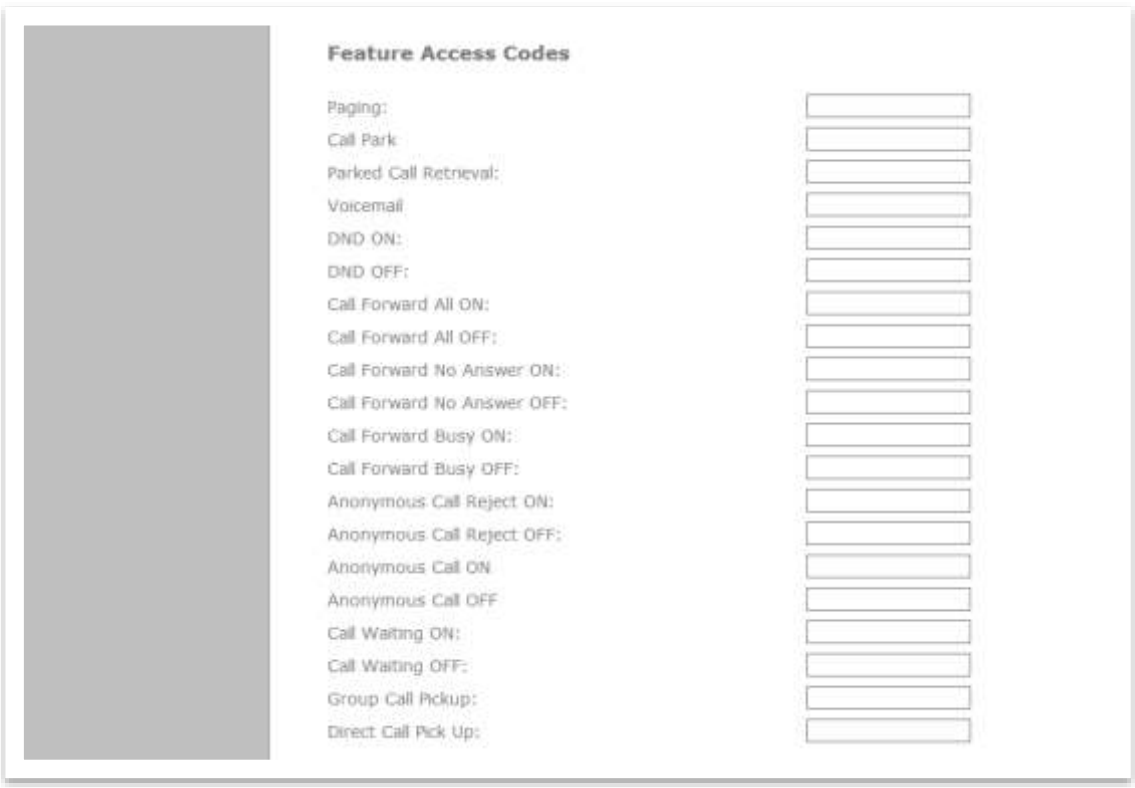
Signaling Settings

Setting	Description	Range	Default
Local SIP port sip_account.x.local_sip_port	Enter the local sip port Acc1: Acc2: Acc3: etc	0–65535	 5060 5070 5080

Transport `sip_account.x.transport_mode`	Select the SIP transport protocol. TCP (Transmission Control Protocol) is the most reliable protocol and includes error checking and delivery validation. UDP (User Datagram Protocol) is generally faster but SIP data may be subject to network congestion. TLS (Transport Layer Security) transport requires security certificates to establish a secure connection between phone and server. Optional server authentication is supported via user-uploaded certificates. See Servicing > Certificates on the "file" Module: Imported File Settings on page 230. Consult your service provider.	tls, tcp, udp	udp

Voice

Setting	Description	Range	Default
Min local RTP port `audio.x.rtp.port_start`	Enter the lower limit of the Real-time Transport Protocol (RTP) port range. RTP ports specify the minimum and maximum port values that the phone will use for RTP packets.	0-65535	18000
Max local RTP port `audio.x.rtp.port_end`	Enter the upper limit of the RTP port range.	0-65535	19000



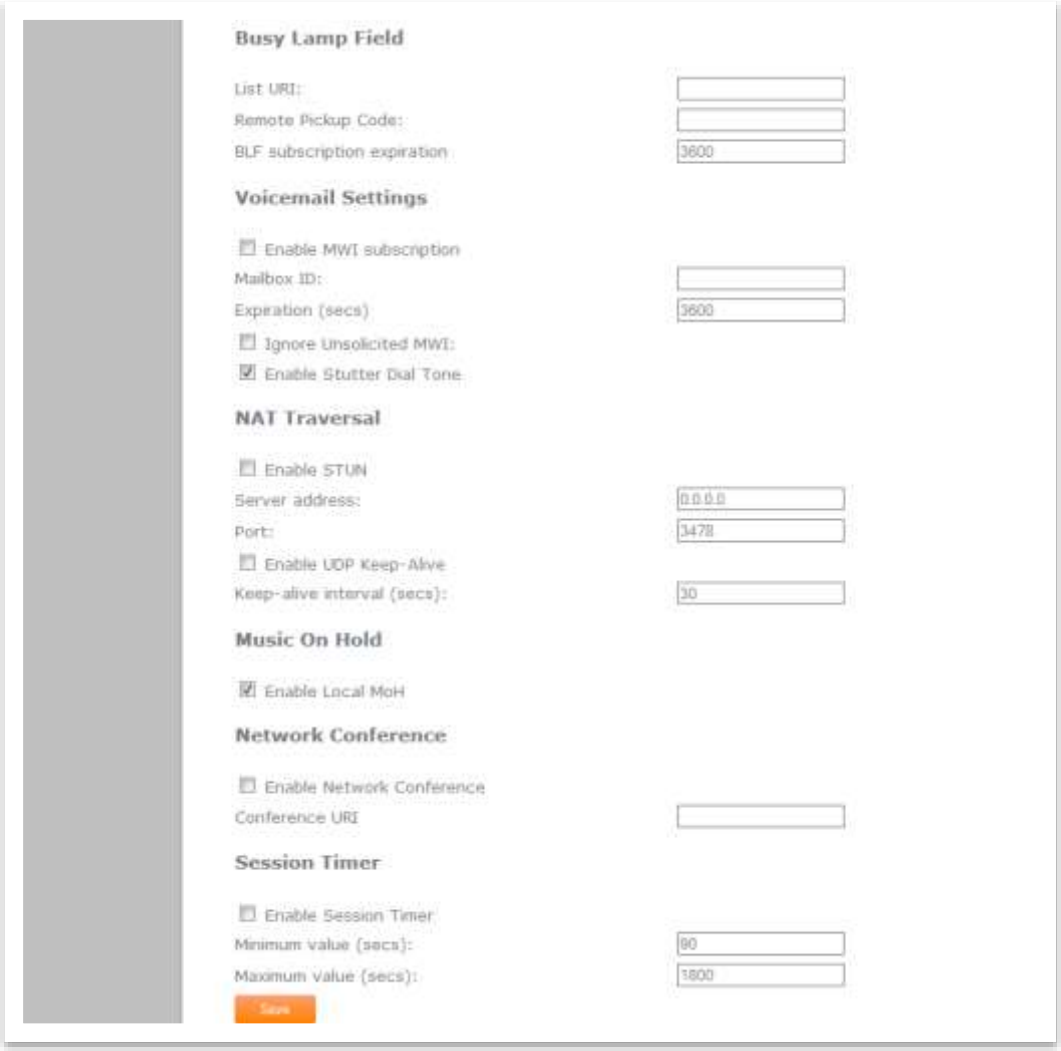
Feature Access Codes Settings

If your IP PBX or service provider uses feature access codes, then enter the applicable codes here. You can assign many of these features to programmable keys, which enables end users to press the keys to dial out the codes you enter here.

Setting	**Description**	**Assignable to PFK?**
Paging `sip_account.x.access_code_page`	Enter the paging access code.	Yes
Call Park `sip_account.x.access_code_park_call`	Enter the call park access code. Broadsoft provides a feature access code for the park feature. Asterisk/Metaswitch provides a parking lot extension number for the park feature. Enter the parking lot extension number here.	Yes

Parked Call Retrieval `sip_account.x.access_code_retrieve_parked_call`	Enter the call park retrieval access code. Broadsoft and Asterisk/Metaswitch provide a feature access code for park retrieval.	Yes
Call Park variant `sip_account.x.park_variant`	Supported values are broadsoft and asterisk. The former dials out a feature code, while the latter launches a blind transfer to the park code uri	Yes
Voicemail `sip_account.x.access_code_retrieve_voicemail`	Enter the voicemail retrieval access code. The code is dialed when the user selects a line from the Features > Message menu.	Yes
DND ON `sip_account.x.access_code_dnd_on`	Enter the Do Not Disturb ON access code.	Yes
DND OFF `sip_account.x.access_code_dnd_off`	Enter the Do Not Disturb OFF access code.	Yes
Call Forward All ON `sip_account.x.access_code_cfa_on`	Enter the Call Forward All ON access code. As a Comverse feature, the code supports value substitution. For example, if an ON code is configured as *71%N#, %N will be replaced by another value before it is used as the INVITE target.	Yes
Call Forward All OFF `sip_account.x.access_code_cfa_off`	Enter the Call Forward All OFF access code.	Yes
Call Forward No Answer ON `sip_account.x.access_code_cfna_on`	Enter the Call Forward No Answer ON access code.	Yes
Call Forward No Answer OFF `sip_account.x.access_code_cfna_off`	Enter the Call Forward No Answer OFF access code.	Yes
Call Forward Busy ON `sip_account.x.access_code_cfb_on`	Enter the Call Forward Busy ON access code.	Yes
Call Forward Busy OFF `sip_account.x.access_code_cfb_off`	Enter the Call Forward Busy OFF access code	Yes

Anonymous Call Reject ON `sip_account.x.access_code_anonymous_call_block_on`	Enter the Anonymous Call Reject ON access code.	No
Anonymous Call Reject OFF `sip_account.x.access_code_anonymous_call_block_off`	Enter the Anonymous Call Reject OFF access code.	No
Anonymous Call ON `sip_account.x.access_code_outgoing_call_anonymous_on`	Enter the Anonymous Call ON access code.	No
Anonymous Call OFF `sip_account.x.access_code_outgoing_call_anonymous_off`	Enter the Anonymous Call OFF access code.	No
Call Waiting ON `sip_account.x.access_code_call_waiting_on`	Enter the Call Waiting ON access code.	No
Call Waiting OFF `sip_account.x.access_code_call_waiting_off`	Enter the Call Waiting OFF access code.	No
Group Call Pick Up `sip_account.x.access_code_group_call_pickup`	Enter the Group Call Pickup code. Dialing the code enables the user to answer a call ringing at another deskset that is part of the same group.	Yes
Direct Call Pick Up `sip_account.x.access_code_direct_call_pickup`	Enter the Group Call Pickup code. Dialing the code enables the user to answer a call ringing at another deskset.	Yes
Hunt Group Sign ON `sip_account.x.access_code_direct_call_pickup`	Enter the Comverse Hunt Group ON code. Supports value substitution.	Yes
Hunt Group Sign OFF `sip_account.x.access_code_direct_call_pickup`	Enter the Comverse Hunt Group OFF code. Supports value substitution.	Yes
Secretarial Filtering ON `sip_account.x.access_code_direct_call_pickup`	Enter the Comverse Secretarial Filtering ON code. Supports value substitution.	Yes
Secretarial Filtering OFF `sip_account.x.access_code_direct_call_pickup`	Enter the Comverse Secretarial Filtering OFF code. Supports value substitution.	Yes



Busy Lamp Field Settings

Setting	Description	Range	Default
List URI `sip_account.x.blf_list_uri`	Used for list-based BLF Enter the BLF list URI, as supplied by or set up with your service provider. For example, *blf-list1@sipservice.com*. This list contains a list of extensions that are eligible for BLF monitoring. You can assign keys for BLF monitoring on the Programmable Keys page. See page 118.	Sip URI	blank

	If left blank, individual uri-based BLF subscription will be assumed		
BLF Subscription Expiration sip_account.x.blf_subscription_expires	Enter desired BLF subscription duration in seconds. It is normally 3600 sec	15-65535	3600
Remote Pickup Code sip_account.x.blf_remote_pickup_code	Enter the remote pickup code for the BLF list, as supplied by your service provider.	string	blank

Voicemail Settings

Setting	Description	Range	Default
Enable MWI Subscription sip_account.x.mwi_enable	When enabled, the account subscribes to the "message summary" event package. The account may use the User ID or the service provider's "Mailbox ID".	0: disable 1: enable	0
MWI Subscription Expiration sip_account.x.mwi_subscription_expires	Enter desired "message summary" subscription duration in seconds. It is normally 3600 sec	15-65535	3600
Mailbox ID sip_account.x.mwi_uri	Enter the uri the phone should use to subscribe to "message summary" notifications. If left blank, the User ID is used for the MWI subscription.	SIP URI	blank
Ignore unsolicited MWI	When enabled, only notifications pertaining to the active "message summary" subscription will be considered as valid to compute MWI status. Disable this setting if: • MWI service does not involve a subscription to a voicemail server. That is, the server	0: disable 1: enable	0

sip_account.x.mwi_ignore_unsolicited	supports unsolicited MWI notifications. • you want the Message Waiting LED to indicate new messages when the deskset receives unsolicited MWI notifications.		
Enable Stutter Dial Tone sip_account.x.stutter_dial_tone_enable	Enables or disables the stutter dial tone for that line (indicating message(s) waiting) when the phone goes off hook.	0: disable 1: enable	1

NAT Traversal Settings

Setting	Description	Range	Default
Enable STUN sip_account.x.nat_traversal_stun_enable	Enables or disables STUN mechanism to allow sip communications in NATted environments.	0: disable 1: enable	0
Server address sip_account.x.nat_traversal_stun_server_address	Enter the stun server address or fqdn	IP address or fqdn	blank
Server port sip_account.x.nat_traversal_stun_server_port	Enter the port the STUN server is using. Normally it will be 3478	0-65535	3478
Enable UDP Keep-Alive sip_account.x.nat_traversal_udp_keep_alive_enable sip_account.x.nat_traversal_stun_keep_alive_enable	Enables or disables UDP or STUN keepalive packets on this account. Keep-alive packets are used to maintain connections established through NAT	0: disable 1: enable	0
Keep-alive interval (secs) sip_account.x.nat_traversal_udp_keep_alive_interval sip_account.x.nat_traversal_stun_keep_alive_interval	Enter the time in seconds between UDP ir STUN keepalive packets.	0-65535	30

Music On Hold Settings

Setting	Description	Range	Default
Enable Local MoH sip_account.x.music_on_hold_enable	Enables or disables a local tone played when the phone is put on hold by the remote party.	0: disable 1: enable	1

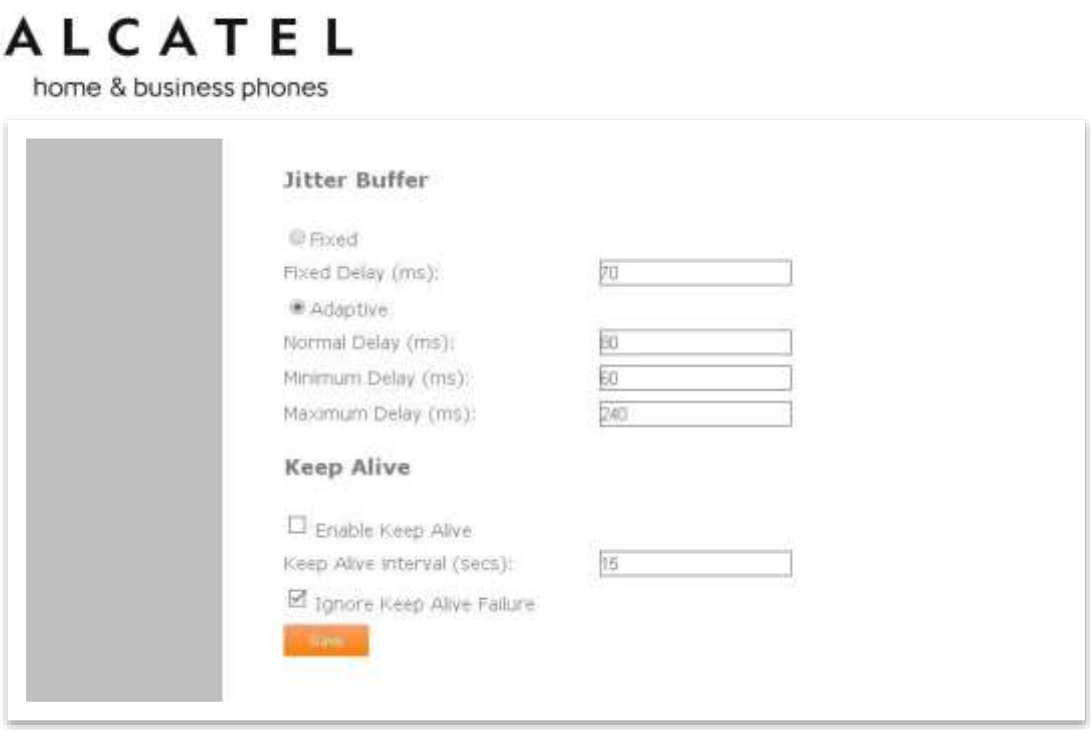
	Please disable if you wish to use server provided Music on hold instead. The interval between tones can be controlled with "Call Hold Reminder tone", in User Preferences section		

Network Conference Settings

Setting	Description	Range	Default
Enable Network Conference `sip_account.x.network_conference_enable`	Enables or disables conferences being controlled and mixed by a conference server, also called Network Bridge. When disabled, the phone will create the conference locally, without the need for a conference server.	0: disable 1: enable	0
Conference URI `sip_account.x.network_bridge_uri`	Enter the URI to direct the phone to the network bridge for each line.	SIP URI	blank

Session Timer

Setting	Description	Range	Default
Enable Session Timer `sip_account.x.sip_session_timer_enable`	Enables or disables sip "timer" mechanism, which allows session monitoring	0: disable 1: enable	0
Minimum value (secs) `sip_account.x.sip_session_timer_min`	Enter the value of the "Min S-E" header, i.e., the minimum interval the phone is willing to use for monitoring the session	90-65535	90
Maximum value (secs) `sip_account.x.sip_session_timer_max`	Enter the maximum interval the phone is willing to use for monitoring the session.	90-65535	1800



Jitter Buffer

Setting	Description	Range	Default
Fixed/Adaptive `audio.x.jitter.mode`	Toggles between fixed and adaptive jitter buffer modes.	fixed, adaptive	adaptive
Fixed Delay (ms) `audio.x.fixed_jitter.delay`	If Fixed is selected, enter the fixed jitter delay	30-500	70

Normal Delay (ms)
`audio.x.adaptive_jitter.target_delay`
`sip_account.x.normal_jitter`
	If Adaptive is selected, or for models not supporting mode selection, enter the normal or "target" delay.	20-500	80

Minimum Delay (ms) `audio.x.adaptive_jitter.min_delay`	Enter the minimum delay.	20-250	60
Maximum Delay (ms) `audio.x.adaptive_jitter.max_delay`	Enter the maximum delay. This time, in milliseconds, must be at least twice the minimum delay.	180-500	240

Keep Alive

Setting	Description	Range	Default
Enable Keep Alive `sip_account.x.keep_alive_enable`	Enable SIP keep alive in service of NAT traversal and as a heartbeat mechanism to audit the SIP server health status. Once enabled, OPTIONS traffic	0: disable 1: enable	0

	should be sent whenever the account is registered. OPTIONS traffic will occur periodically according to the keep-alive interval.		
Keep Alive Interval (secs) `sip_account.x.keep_alive_interval`	Set the interval at which the OPTIONS for the keep-alive mechanism are sent.	90-65535	90
Ignore Keep Alive Failure `sip_account.x.keep_alive_ignore_failure`	Enable the phone to ignore keep-alive failure, if the failure can trigger account re-registration and re-subscription (and active calls are dropped).	90-65535	1800

Dial Plan

The dial plan consists of a series of dialing rules, or strings, that determine whether what the user has dialed is valid and when the phone should dial the number.

There are three different types of dial plans available: general, Call Restriction, and Emergency.

In the case of overlapping dial plan definitions between Emergency, Call Restriction, and the general dial plan, the following priority (high to low) applies:

1. Emergency
2. Call Restriction
3. General

For example, in order to prevent a user from dialing extensions in the 9xx range while having 911 as the emergency number, use the following dial plans:

- Emergency dial plan = 911
- Call Restriction dial plan = 9xx
- General dial plan = xxx

A user who dials 920 will be unable to complete the call, and the message 920 is a restricted number will appear on the phone screen. A user who dials 911 will complete an emergency dial.

Numbers that are dialed when forwarding a call—when the user manually forwards a call, or a pre-configured number is dialed for Call Forward All, Call Forward–No Answer, or Call Forward Busy—always bypass the dial plan.

Dialing rules must consist of the elements defined in the table below.

Element	Description
x	Any dial pad key from 0 to 9, including # and *.
[0-9]	Any two numbers separated by a hyphen, where the second number is greater than the first. All numbers within the range or valid, excluding # and *.
x+	An unlimited series of digits.
,	This represents the playing of a secondary dial tone (<SIP_2ND_TONE>) after the user enters the digit(s) specified or dials an external call prefix (<EXT_CALL_PREFIX>) before the comma. For instance, "9,xxxxxxx" means the secondary dial tone is played after the user dials 9 until any new digit is entered. "9,3xxxxxx" means only when the digit 3 is hit would the <SIP_2ND_TONE> stop playing.
PX	This represents a pause of a defined time; X is the pause duration in seconds. For instance, "P3" would represent pause duration of 3 seconds. When "P" only is used, the pause time is the same as the Inter Digit Timeout.
(0:9)	This is a substitution rule where the first number is replaced by the second. For example, "(4:723)xxxx" would replace "46789" with "723-6789". If the substituted number (the first number) is empty, the second number is added to the number dialed. For example, in "(:1)xxxxxxxxxx", the digit 1 is appended to any 10-digit number dialed.
|	This separator is used to indicate the start of a new pattern. Can be used to add multiple dialing rules to one pattern edit box.

A sample dial plan appears below.

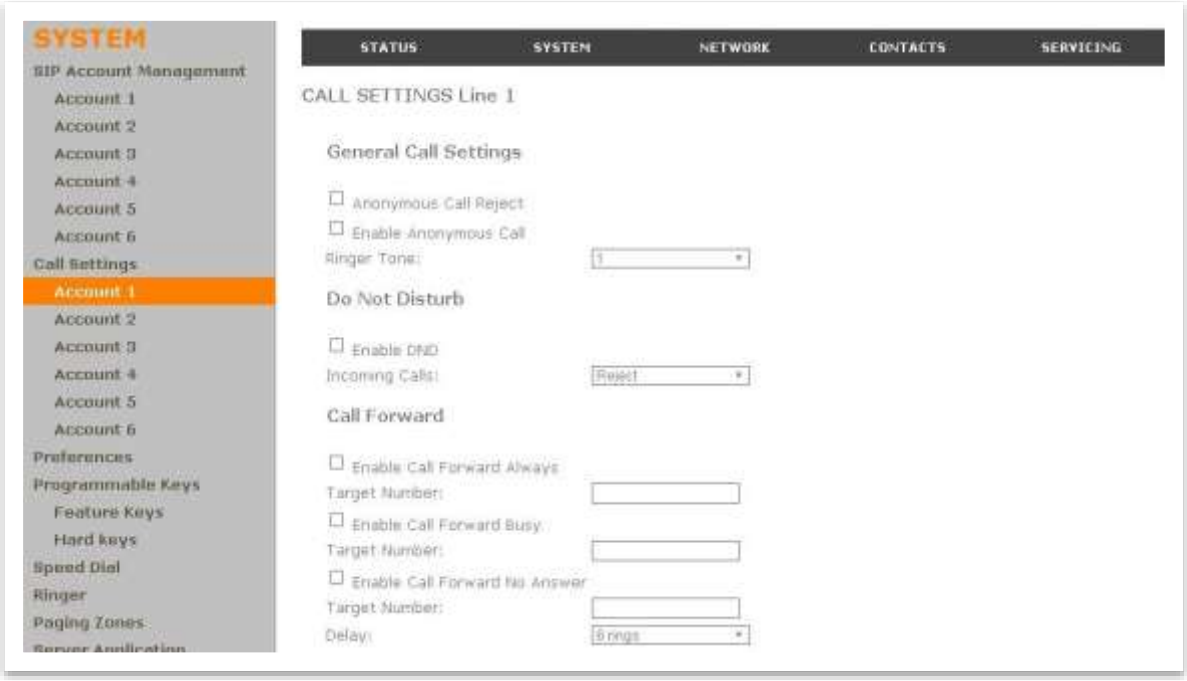
See also Prefix Dialing on page 122

Call Settings

You can configure call settings for each line. Call Settings include Do Not Disturb and Call Forward settings. For some models Ringtone selection, Call completion, Auto answer and Customized ringtone upload are also included in this section.

When you have finished changing settings on this page, click **Save** to save them.

Call settings are also available as parameters in the configuration file. See "call_settings" Module: Call Settings on page 223.



General Call Settings

Setting	Description	Range	Default
Anonymous call reject `call_settings.account.x.block_anonymous_enable`	Enables or disables rejecting calls indicated as "Anonymous."	0: disable 1: enable	0
Enable outgoing anonymous call `call_settings.account.x.outgoing_anonymous_enable`	When enabled, the phone will ask the server to hide its identity in outgoing calls. The caller name and number are indicated as "Anonymous."	0: disable 1: enable	0
Ringer tone		1-10	1

user_pref.account.x.ringer	Sets the ringer tone for incoming calls on the account.		

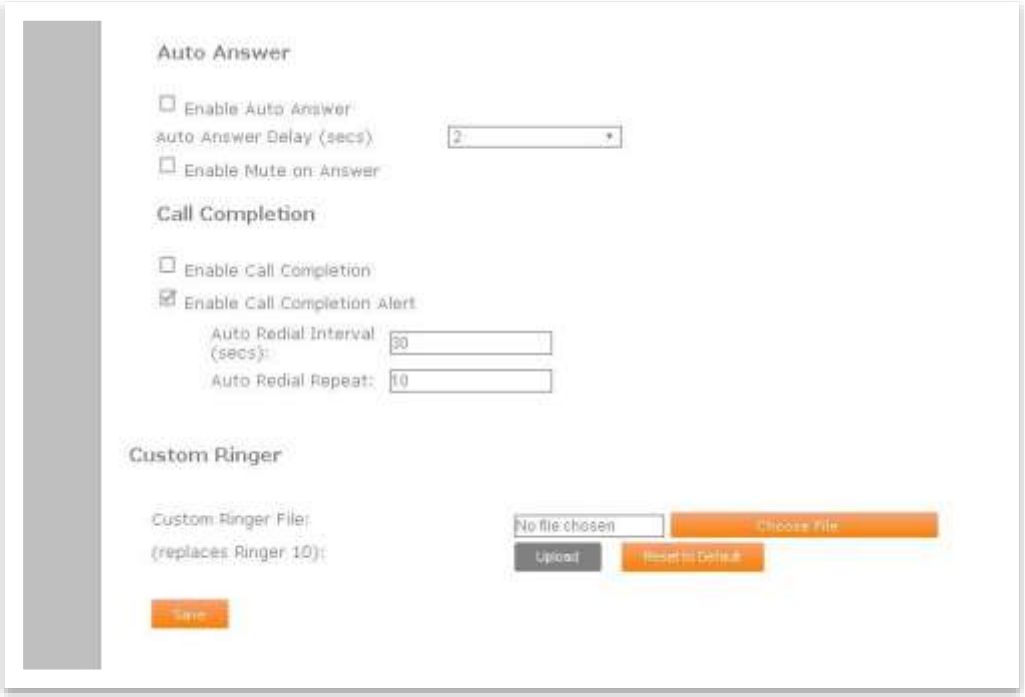
Do Not Disturb Settings

Setting	Description	Range	Default
Enable Do Not Disturb call_settings.account.x.dnd_enable	Turns Do Not Disturb on or off.	0: disable 1: enable	0
Incoming Calls call_settings.account.x.dnd_incoming_calls	Selects whether the phone displays incoming call information while Do Not Disturb is on. When set to Show, the phone displays incoming call information while Do Not Disturb is on. When set to Reject, the phone rejects incoming calls without alerting the user. The phone will not ring in either mode.	show, reject	reject

Call Forward Settings

Setting	Description	Range	Default
Enable Call Forward Always call_settings.account.x.call_fwd_always_enable	Enables or disables call forwarding for all calls on that line. Select to enable.	0: disable 1: enable	0
Target Number call_settings.account.x.call_fwd_always_target	Enter a number to which all calls will be forwarded.	string	blank
Enable Call Forward Busy call_settings.account.x.call_fwd_busy_enable	Enables or disables forwarding incoming calls to the target number if the number of active calls has reached the maximum number of calls configured for account x.	0: disable 1: enable	0
Target Number call_settings.account.x.call_fwd_busy_target	Enter a number to which calls will be forwarded when the line is busy.	string	blank

Enable Call Forward No Answer `call_settings.account.x.cfna_enable`	Enables or disables call forwarding for unanswered calls on that line.	0: disable 1: enable	0
Target Number `call_settings.account.x.cfna_target`	Enter a number to which unanswered calls will be forwarded.	string	blank
Delay `call_settings.account.x.cfna_delay`	Select the number of rings before unanswered calls are forwarded.	1-10 (rings)	6
Enable Missed calls alert `call_settings.missed_call_alert_enable`	Enables or disables missed call indication on the phone screen	0: disable 1: enable	1



Auto Answer

Setting	Description	Range	Default
Enable Auto Answer `call_settings.account.x.unconditional_auto_answer_enable`	Enables or disables unconditional Auto Answer. Auto Answer allows a deskset or conference phone to automatically answer incoming calls to that account without user intervention. An auto answer tone will sound	0: disable 1: enable	0
Auto Answer Delay `call_settings.account.x.unconditional_auto_answer_delay`	Sets the delay before the phone auto answers a call. Before the phone auto answers, the incoming call behaves identical to a normal call. Unless the user responds to the call (with reject, forward, answer, etc.), the phone answers the call after the delay expires. If Auto Answer Delay is set to zero, the incoming call is answered right away without triggering a ringer tone or ringer splash. However, the auto answer tone is still audible.	0-30	2
Enable Mute on Answer `call_settings.account.x.unconditional_auto_answer_mute_on_ans`	Enables or disables muting the mic upon auto answering. Enabling muting is useful if the auto answered call is for the purpose of a one-way announcement. The user can unmute the call any time after being auto answered.	0: disable 1: enable	0

Call Completion

When the user calls a busy number, the Call Completion feature enables the phone to redial the busy number automatically. You can configure the redialing to take place after a set interval and for a set number of times.

Call completion settings must be configured for each account.

Setting	Description	Range	Default
Enable Call Completion call_settings.account.x.call_completion_enable	Enable or disable the call completion feature. Calls to busy numbers will prompt a "Retry later?" message on the phone screen.	0: disable 1: enable	0
Enable Call Completion Alert call_settings.account.x.call_completion_alert_enable	Enables or disables an audible alert (similar to a hold reminder alert tone) if the user is on another call when the auto redial interval expires.	0: disable 1: enable	1
Auto Redial Interval (secs) call_settings.account.x.auto_redial_interval	Sets the countdown timer until the user is prompted for the next dialing attempt.	1-300	30
Auto Redial Repeat call_settings.account.x.auto_redial_repeat	Sets how many auto redial attempts are made.	1-30	10

Custom Ringer

Setting	Description	Range	Default
Custom ringer file file.custom_ringer	Upload a custom ringer audio file. This ringer replaces the factory default Ringer 10. The maximum file size is 300 k. The following WAV format is accepted: Audio sample rate: 16 kHz Audio sample size: 16 bit Channels: 1 (mono) Audio format: PCM, Signed 16bit, Little Endian	uri	blank

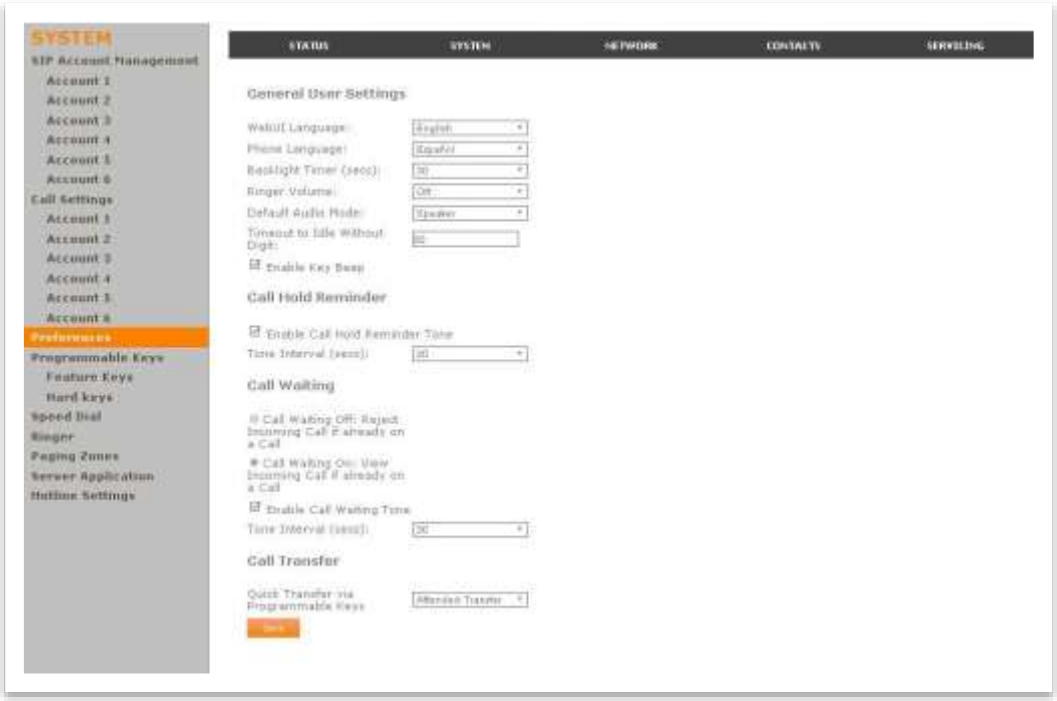
User Preferences

On the User Preferences menu, you can configure some basic settings for the phone and set how the phone responds to calls. The User Preferences page is also available to phone users when they log on to the WebUI.

After changing any settings on this page, click **Save** to save them.

The user preference settings are also available as parameters in the configuration file. See "user_pref" Module: User Preference Settings on page 221.

Note that, as in previous chapters, some of the settings are model dependent and may or may not appear on your phone's WUI.



General User Settings

Setting	Description	Range	Default
WebUI Language `user_pref.web_language`	Sets the language that appears on the WebUI. Other languages may be added later	en: English fr: French es: Spanish de: German it: Italian pt: Portuguese nl: Dutch ru: Russian el: Greek tr: Turkish pl: Polish	en

Phone Language `user_pref.language`	Sets the language that appears on the phone. Not applicable to IP2015/IP2115. Other languages may be added later	en: English fr: French es: Spanish de: German it: Italian pt: Portuguese nl: Dutch ru: Russian el: Greek tr: Turkish pl: Polish	en
Backlight Timer (secs.) `user_pref.backlight_timeout`	Sets how long the screen backlight stays on after the last button press.	10-60 (seconds)	30
Ringer Volume `user_pref.ringer_volume`	Sets the ringer volume for incoming calls. You can also use the **VOLUME** ▼ or ▲ keys on the deskset.	0–9 (0 means off)	5
Default Audio Mode `user_pref.audio_mode`	Sets how calls are answered when you press a line key or Answer. Applies also to the Auto Answer mode.	speaker, headset	speaker
Timeout to Idle Without Digit `user_pref.absent_timeout`	Sets the timeout (in seconds) after the phone goes off hook and no digits are entered. After the timeout, the phone returns to idle mode.	10-60	30
Enable Key Beep `user_pref.key_beep_enable`	Enables or disables key-press beeps.	0:disable 1:enable	1

Call Hold Reminder Settings

Setting	**Description**	**Range**	**Default**
Enable Call Hold Reminder Tone `user_pref.hold_reminder.enable`	Enables or disables the call hold reminder tone. This tone periodically warns the user that he has previously put a call on hold. Select to enable.	0: disable 1: enable	1
Tone Interval (secs)			30

user_pref.hold_reminder.interval	Sets the interval for the call hold reminder tone.	10–300 (seconds)	

Call Waiting Settings

Setting	Description	Range	Default
Enable Call Waiting Tone user_pref.call_waiting.tone_enable	Enables or disables the call waiting tone. Select to enable.	0: disable 1: enable	1
Call Waiting Tone Interval (secs.) user_pref.call_waiting.tone_interval	Sets the interval in seconds for the call waiting reminder tone.	10–60 (seconds)	30
Call Waiting on/off user_pref.call_waiting.mode	Accepts or rejects incoming call notification screen while the user is already on a call. Only one of the two radio buttons can be selected. If set to "enable", the waiting call is presented to the user If set to "reject", the phone will send an error response to the server. Not applicable to IP2015/IP2115, where handsets handle this feature.	enable, reject	enable

Call Transfer Settings

Setting	Description	Range	Default
Quick Transfer via Programmable Keys user_pref.quick_transfer	Sets transfer options for Quick Dial and BLF Programmable keys during an active call. When a quick dial key or BLF key is pressed during an active call, the key will either: • Start a new call • Perform a blind transfer of the active call to the extension associated with the quick dial or BLF key. This enables one-button operation for Call Park, Park Retrieval, and Park Orbit monitoring. • Perform an attended transfer of the active call to the extension associated with the quick dial or BLF key.	new_call, blind, attended	new_call

The above operations are server dependent. The server has to support all of the following with Call Park to make one-button operation possible:

- Monitoring a park orbit as an extension via BLF subscription (rfc4235)
- Remote BLF pickup via one of the two pickup options:

  -New call via SIP INVITE

  -Dialog based via SIP INVITE with REPLACE
- Parking an active call via blind transfer to a park orbit.

Other Settings

All settings in this section refer to desk top phones only, not to IP2015 IP DECT system.

Setting	Description	Range	Default
LCD Contrast Level `user_pref.lcd_constrast`	Sets the contrast for the LCD display.	1–7	4
Backlight level (non idle) `user_pref.backlight`	Enables or disables the backlight for non idle mode, i.e, during user operation.	off, low, middle, high	high
Backlight level (idle) `user_pref.idle_backlight`	Enables or disables the backlight in idle state.	off, low, middle, high	off
Live dial to idle timeout (secs.) `user_pref.absent_timeout`	Sets the timeout (in seconds) after which live dial interface will return to idle if there are no more dialled digits.	10–60 (seconds)	30
Idle to logo timeout `user_pref.idle_to_logo_timeout`	Sets the timeout to switch from idle screen to the customized (or standard) logo display	0-300 (seconds) 0 means no logo will be displayed	30
Logo to idle timeout `user_pref.logo_to_idle_timeout`	Sets the timeout to switch from logo to idle screen	1-300 (seconds)	60

user_pref.text_input_option	Specify the order and available language input options when in text input mode	number uc_western: upper case lc_western: lower case uc_ru: Russian upper case lc_ru: Russian lower case uc_el: Greek upper case lc_el: Greek lower case	number,lc_western, uc_western
Handsfree volume user_pref.speaker_volume	Sets speaker volume for handsfree calls.	1-10	5
Headset volume user_pref.headset_volume	Sets headset volume.	1-10	5
Corded Handset volume user_pref.handset_volume	Sets handset volume.	1-10	5
Enable Key beep user_pref.key_beep_enable	Enables or disables the beep played when a key is pressed.	0: disable 1: enable	1

Programmable Function Keys

Temporis IP100, IP150, IP151, IP251G, IP300, IP301G, IP700G and IP701G models are equipped with programmable keys with a dual-color backlight (orange and green). Keys are numbered top to bottom, and then left to right when applicable.

In all models listed above there is a mechanism to access a second virtual key on each physical key. For IP30x and IP70xG this is done via "Access to second function" key, whereas in IP100 and IP15x F5/F15 can be assigned for this purpose if desired.

The number of programmable function keys and toggle mechanism for each model is shown in the table below.

Model	Number of PFKs	Number of keys with backlight	Access to second function	Number of virtual keys
Temporis IP100	10	5	F5/F15 (config)	18
Temporis IP251G	2	2	N/A	2
Temporis IP15x	10	5	F5/F15 (config)	18
Temporis IP30x	12	12	"Lower" key	24

Temporis IP70xG	16	16	"Lower" key	32

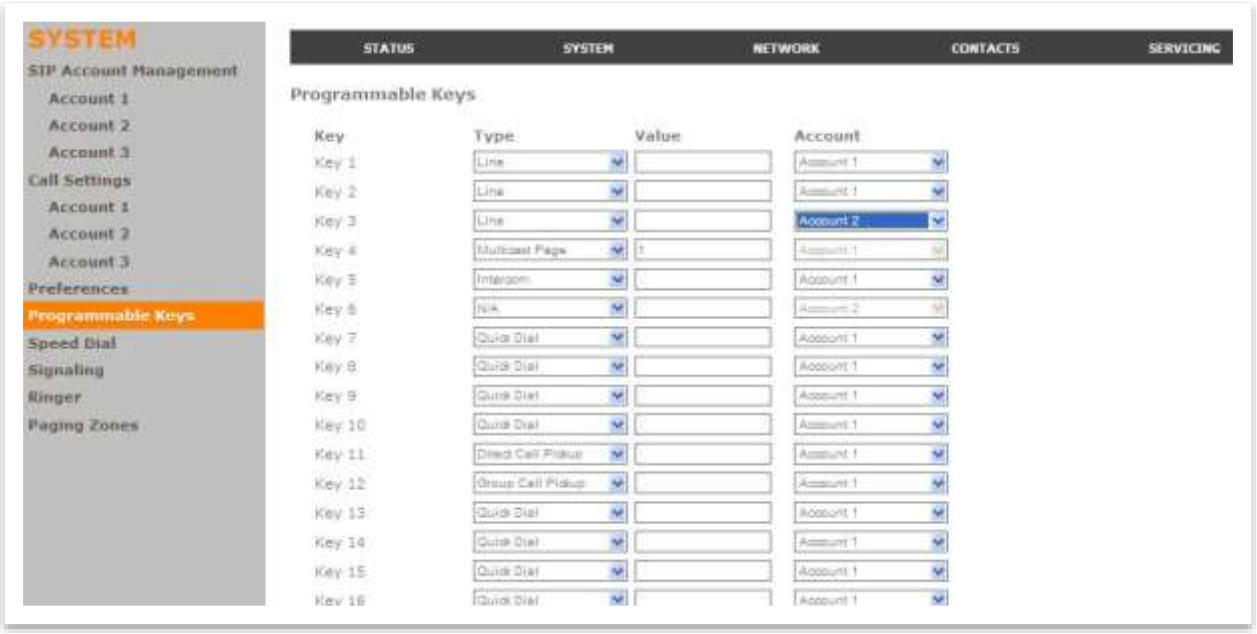
You can assign functions to the programmable keys. You can select one option for each physical or virtual key. Keys can have identical functions. For example, you can assign several "Line" keys for Line 1 to enable users to manage multiple calls on Line 1. You can also assign multiple Quick Dial keys.

Depending on the feature, you may need to select also the line (account) for which it is applicable and some value.

The programmable key settings are also available:

-from the phone menu (except for Temporis IP100); see for example Programmable Keys on page 15 or Customizing your phone with User Settings menu on page 60.

-as parameters in the configuration file. See "pfk" Module: Programmable Feature Key Settings



Type	Description	Parameters

Line	Configures the key for accessing a line (or SIP account). Users can make or answer calls by pressing these keys. The key LED will change according to call activity.
	After selecting Line in the **Type** column, select the Line number in the **Line** column.
		`pfk.x.feature = line`
		`pfk.x.account = 1,2,…`
		`(x: 1-32, function key number; depends on model)`

Directory	Configures the key to access the Directory menu. Users can then press the key to view the Directory menu.	`pfk.x.feature = dir` `(x: 1-32, function key number; depends on model)`

Call History	Configures the key to access the Call History list. Users can then press the key to view the Call History list.	pfk.x.feature = call log (x: 1-32, function key number; depends on model)
Redial	Configures the key to access the Redial list. Users can then press the key to view the Redial list.	pfk.x.feature = redial (x: 1-32, function key number; depends on model)
Messages	Configures the key to access the Message menu. Users can then press the key to view the Message menu.	pfk.x.feature = messages (x: 1-32, function key number; depends on model)
Do Not Disturb	Configures the key to turn Do Not Disturb on or off. Select the line for which you want to set the feature. The key is lit orange when DND is on.	pfk.x.feature = dnd pfk.x.account = 1,2,… (x: 1-32, function key number; depends on model)
Do Not Disturb All	Configures the key to turn Do Not Disturb on or off for all accounts. The key is lit orange when DND All is on (as are any other DND keys). If one or more accounts also has a dedicated DND key, turning DND off for a particular account will cause the DND All key to flash, indicating that not all accounts have DND set.	pfk.x.feature = dnd all
Call Forward All	Configures the key to turn Call Forward All on or off. In the Line column, select the line for which Call Forward All will apply. Before assigning the key, ensure that you configure Call Forward settings on the Call Settings page.	pfk.x.feature = cfwd all pfk.x.account = 1,2, … (x: 1-32, function key number; depends on model)
Call Forward Busy	Configures the key to turn Call Forward Busy on or off. In the Line column, select the line for which Call Forward Busy will apply. Before assigning the key, ensure that you configure Call Forward settings on the Call Settings page.	pfk.x.feature = cfwd busy pfk.x.account = 1,2 or 3 (x: 1-32, function key number; depends on model)
Call Forward No Answer	Configures the key to turn Call Forward No Answer on or off. In the Line column, select the line for which Call Forward No Answer will apply. Before assigning the key, ensure that you configure Call Forward settings on the Call Settings page.	pfk.x.feature = cfwd no answer pfk.x.account = 1,2…3 (x: 1-32, function key number)
Park Call	Enables the user to park a call. Pressing the key dials the Call Park feature access code	pfk.x.feature = park call pfk.x.account = 1,2…

	(FAC) configured on the Account Settings page. In the Line column, select the line (sip account) on which the feature access code will be dialed out. For example, choose Line 1 if you wish to use the Call Park FAC that you entered for account 1. For some service providers, you must also enter a park extension in the Value column. This value will be dialed along with the Call Park FAC. See also `sip_account.x.park_variant`.	`(x: 1-32, function key number;depends on model)`

Retrieve Park Call	Enables the user to retrieve a parked call. Pressing the key dials the Parked Call Retrieval feature access code (FAC) configured on the Account Settings page.
	In the Line column, select the line on which the feature access code will be dialed out.
	For example, choose Line 1 if you wish to use the Parked Call Retrieval FAC that you entered for account 1.
	For some service providers, you must also enter a park retrieval extension in the Value column. This value will be dialed along with the Parked Call Retrieval FAC.
		`pfk.x.feature = retrieve parked call`
		`pfk.x.account = 1,2… 3`
		`(x: 1-32, function key number; model-dependent)`

Quick Dial	Configures the key to dial a number on the selected line. After selecting Quick Dial, enter the number to be dialed in the Value column. In the Line column, select the line on which the number will be dialed out.	`pfk.x.feature = quick dial`
		`pfk.x.account = 1,2, …`
		`pfk.x.quick_dial =`
		`(x: 1-32, function key number; depends on model)`

BLF (Busy Lamp Field)	Configures the key to monitor another extension.
	In the Value column, enter the URI of the extension you want to monitor with this key. For example, *6045552001@sipservice.com*.
	If you are using list based BLF, the URI must be from the BLF list you set up with your service provider and entered under "Busy Lamp Field Settings" under SIP Account Management
	For configuring BLF interoperability when using certain service platforms, see `sip_account.x.blf_variant`.
		`pfk.x.feature = busy lamp field`
		`pfk.x.account = 1,2, …`
		`pfk.x.blf=`
		`(x: 1-32, function key number; depends on model)`

ACD (Automatic Call Distribution)	Configures the key to display the ACD State menu on the phone LCD. In the Account column, select the applicable account. The key LED will indicate the current ACD state. Shared Line accounts support ACD, but note that subscribers to a shared line will share a common ACD state.	pfk.x.feature = acd pfk.x.account = 1,2, … (x: 1-32, function key number; depends on model)
Intercom/Page	Configures the key to call one or a group of phones. Pressing the key dials the Paging feature access code. You must enter the feature access code for Paging on the SIP Account Management page. You can configure pages to be automatically answered. See "Page Auto Answer" under SIP Account Management	pfk.x.feature = page pfk.x.account = 1,2, … (x: 1-32, function key number; depends on model)
Multicast Page	Configures the key to make outgoing multicast pages. In the Value column, enter a valid Paging Zone ID (ranging from 1 to 10). Multicast paging differs from standard paging in that it is handled locally by the Deskset and does not require a subscription through the hosted server. To use multicast paging, you must first set up paging zones on the WebUI. See Paging Zone on page 130.	pfk.x.feature = multicast page pfk.x.multicast_zone = 1 to 10 (x: 1-32, function key number; depends on model)
In Call DTMF	Configures the key to dial a string of numbers while the end user is on a call. For example, pressing the key might dial a conference access code. After selecting In Call DTMF, enter the number to be dialed in the Value column.	pfk.x.feature = in call dtmf pfk.x.incall_dtmf = (x: 1-32, function key number; depends on model)
Call return	Configures the key to dial the number of the last missed call.	pfk.x.feature = callback (x: 1-32, function key number; depends on model)
Group Call Pickup	Enables the user to answer a call ringing at another extension. The call can be ringing at any extension in the phone's call pickup group. Pressing the key dials the Group Call Pickup feature access code (FAC) configured on the Account Settings page.	pfk.x.feature = group call pickup pfk.x.account = 1,2… (x: 1-32, function key number; depends on model)
Direct Call Pickup	Enables the user to answer a call ringing at a specific deskset. Pressing the key dials the Direct Call Pickup feature access code (FAC) configured on the Account Settings page. Depending on the server requirements, the user may then need to enter the number of the ringing extension.	pfk.x.feature = direct call pickup pfk.x.account = 1,2… (x: 1-32, function key number; depends on model)
Prefix Dialing	Configures the key for prefix dialing. Pressing a PFK assigned to Prefix Dialing will automatically go off-hook into Dial mode using	pfk.x.feature = prefix dial pfk.x.account = 1,2… pfk.x.prefix =

	the account configured for the PFK. The digits entered under Value are concatenated to any number that the user enters. The outgoing call will include the [Prefix] + [Dialing string]. The Prefix digits are hidden from the user. The prefix digits are visible during Dialing and Call Active states. Note that %N can be used for substitution of user-entered digits. For example, *71%N# will use [*71] + [user-entered digits] + [#] as the outgoing dialing string. The dial plan is enabled after the user enters one or more digits. Both prefix digits (hidden) and user-entered digits (visible) are used for dial plan matching. The timeout-to-dial element in the dial plan is suspended if the user navigates away from the dialing screen.	(x: 1-32, function key number; depends on model)
XML App	Configures the key to open the XML browser. Pressing the key initiates an HTTP(s) GET request to the server. Enter the URI of the XML application to be executed.	pfk.x.feature = xml app pfk.x.account = 1,2… pfk.x.xml_uri = (x: 1-32, function key number; depends on model)
Flash	Configures the key as a Flash key. With one call active, pressing Flash puts the active call on hold and displays a new call screen with live dial. With two calls active, pressing Flash: • puts the active call on hold and retrieves a held call, or • answers an incoming call.	pfk.x.feature = flash pfk.x.account = 1,2… x: 1-32, function key number; depends on model)
Call Handling Profile	Configures the key for Comverse call handling profile. Enter the string of the call handling profile that the PFK LED will indicate.	pfk.x.feature = chp pfk.x.account = 1,2… pfk.x.call_handling_profile = pfk.x. call_handling_profile_set_code (x: 1-32, function key number; depends on model)
Hunt Group	Configures the key to turn Comverse hunt group on or off. Enter the hunt group extension number assigned for this key.	pfk.x.feature = hg pfk.x.account = 1,2… pfk.x.hunt_group = (x: 1-32, function key number; depends on model)
Secretarial Filtering	Configures the key to turn Comverse secretarial filtering on or off. Enter the manager's extension number assigned for this key.	pfk.x.feature = sf pfk.x.account = 1,2… pfk.x.secretarial_filtering = (x: 1-32, function key number; depends on model)

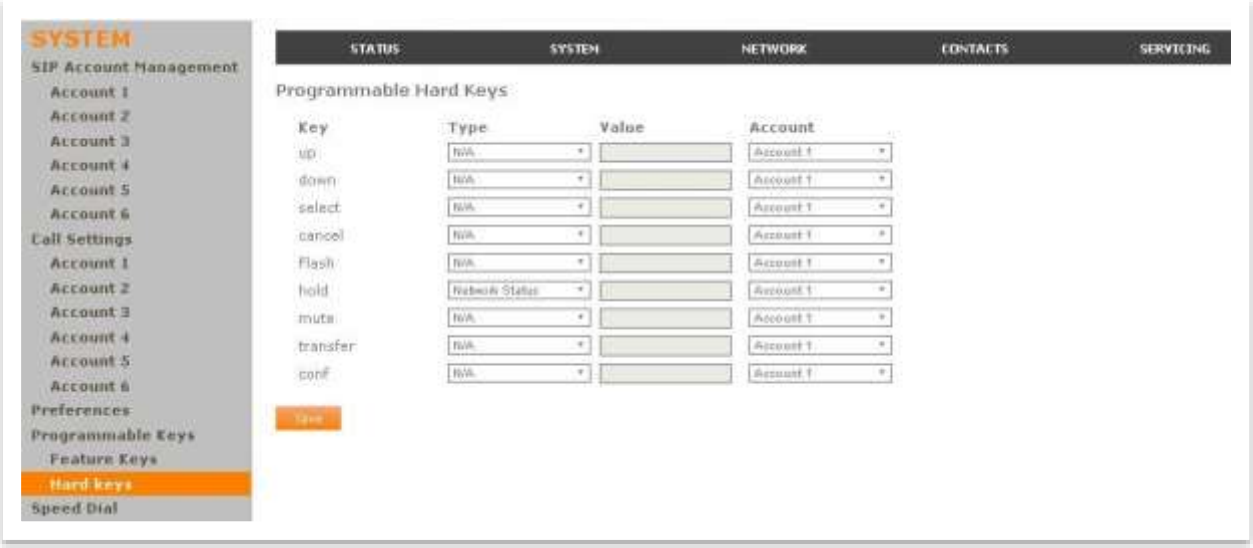
Phone Lock	Configures the key to enable or disable the phone lock. For more information, see Security section	`pfk.x.feature = lock_key`

N/A	The programmable key has no function assigned	`pfk.x.feature = unassigned`
		`pfk.x.account = 1,2…`
		`(x: 1-32, function key number; depends on model)`

Programmable Hard Keys

Temporis IP151, IP251G, IP301G and IP701G models are equipped with programmable hard keys. You can assign additional functions to those keys, which are listed on the Programmable Hard Keys page.

The functions that you assign to hard keys **apply to each key in idle mode only**



You can essentially assign the same functions as in the Programmable Feature Keys, with the following remarks:
-Line and BLF are not available for Hardkeys
-You can also assign the Network Status function to these keys.

Type	**Description**	**Parameters**

Network Status	Configures the key to display the Network Status IPv4 or
	IPv6 selection screen when pressed.
		`pfk.<hardkey>.feature = network status`
		
		`<hardkey> depends on the model and can be up, down, select, cancel, flash, hold, mute, transfer, conf`

Please refer to Programmable Function Keys chapter and to “pfk” Module: Programmable Feature Key Settings for more details.

Memory Keys: Speed Dial

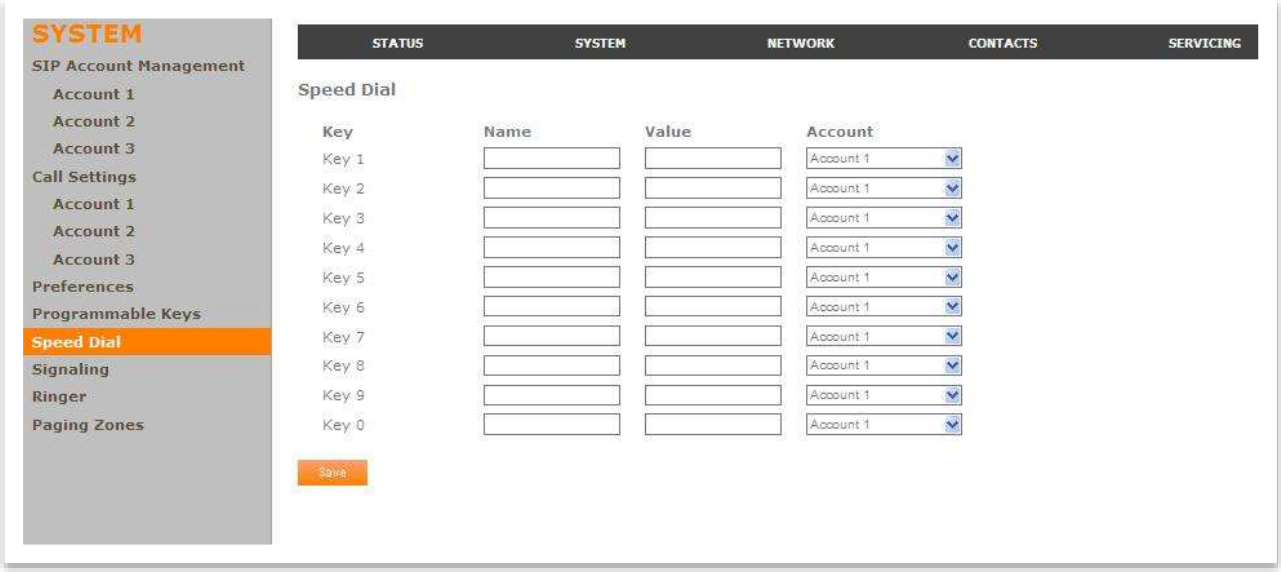
Applicable **to Temporis IP100, IP150, IP151, IP251G, IP300, IP301G, IP700G, IP701G** and **Conference IP1850**.

On the Speed Dial page, you can enter up to 10 speed dial numbers. For each speed dial number you enter, you must assign the line on which the number will be dialed out.

To dial a speed dial number, press and hold the dial pad key that matches the speed dial entry number. When for entry 10, press 0).

Note: This menu duplicates the speed dial menu on the desktop phones (**Menu > 1.Features > 5.Speed dial**), i.e. entries that are entered and saved on the WebUI replace entries that were entered using the phone, and viceversa.

Note: You can also assign programmable function keys to be quick dial keys.



To enter speed dial numbers:

1. In the **Name** column, enter the name associated with this speed-dial entry.
2. In the **Value** column, enter a phone number for the desired key.
3. In the **Line** column, select the line that this speed dial number will use.
4. Click Save.

Speed Dial Keys

Setting	Description	Range	Default

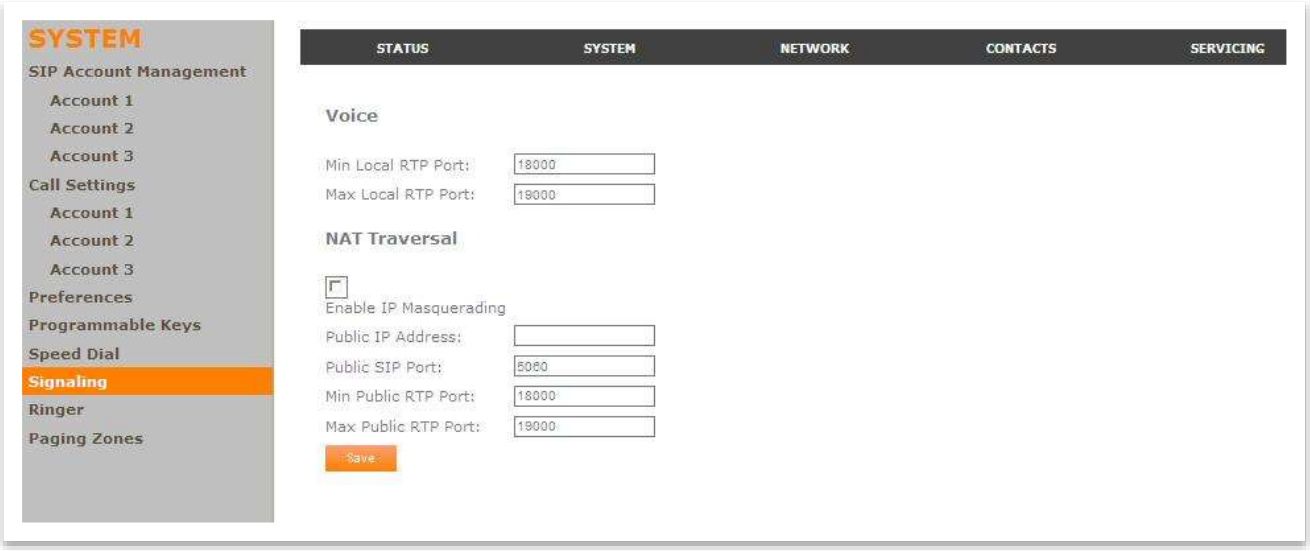
Name Value
`speed_dial.x.name`
`( x: 0-9)`
	A name associated to this memory key.	string	blank

Number Value	The phone number that the memory key dials when pressed and held.	SIP URI	blank

speed_dial.x.number (x: 0-9)			
Line speed_dial.x.account (x: 0-9)	The SIP account (line) the phone will use to dial the number.	1: Acc 1, 2:Acc 2, etc	1

Signaling Settings

Applicable **to Temporis IP100, IP150, IP300, IP700G, IP2015** and **Conference IP1850**.



Voice Settings

Setting	Description	Range	Default
Min Local RTP port network.rtp.port_start	Real-time Transport Protocol (RTP) Ports are entered as a range. This range is usually specified by your service provider. Enter the lower limit of the RTP port range.	0-65535	18000
Max Local RTP port network.rtp.port_end	Enter the upper limit of the RTP port range.	0-65535	19000

NAT Traversal

Setting	Description	Range	Default

Enable IP Masquerading `network.nat.masquerading_enable`	Select to enable NAT traversal via IP masquerading.	1: Enabled 0: Disabled	0
Public IP address `network.nat.public_ip_addr`	Enter the external IP address of your router. Your router needs a static IP address for IP masquerading to work.	IP address	blank
Public SIP port `network.nat.public_sip_port`	Enter the router port number being used for SIP.	0-65535	5060
Min Public RTP port `network.nat.public_rtp_port_start`	Real-time Transport Protocol (RTP) Ports are entered as a range. This range is usually specified by your service provider. Enter the lower limit of the RTP port range.	0-65535	18000
Max Public RTP port `network.nat.public_rtp_port_end`	Enter the upper limit of the RTP port range.	0-65535	19000

Ringer Settings

Applicable **to Temporis IP100, IP150, IP151, IP251G, IP300, IP301G, IP700G, IP701G** and **Conference IP1850**.

The Ringer Settings enable you to provide a distinctive ringing feature via the custom Alert-Info header associated with an incoming call. This setting overrides the ringer tone you have set for the account. For example, you can set a unique ringer tone to alert the deskset user upon receiving any incoming calls tagged as "important" or “External” in the Alert-Info header.

The SIP Invite message contains an Alert-Info header that the phone checks in order to determine which ringer tone to play. The Alert-Info header format is as follows:

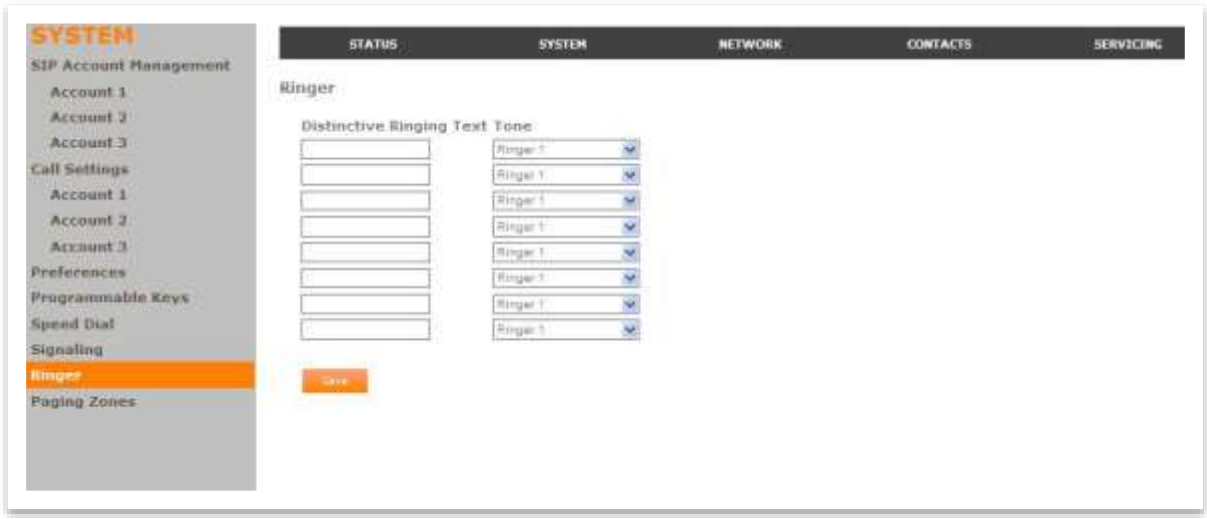
```
Alert-Info: <http://www.notused.net>;info=info_text
```

If the header contains the “info” parameter, the phone attempts to match it to the Internal Ringer Text. If there is a match, the Internal Ringer Tone will play. If there is no match, the default tone for the account will play.

The matching is done on a “first match” basis. In the case of duplicate text strings, the ringer tone associated with the first matched entry in the Internal Ringer Text list will play.

The server-side configuration must be done with your service provider. This is where the SIP Invite text (“Internal Ringer Text”) will be derived.

The ringer settings are also available as parameters in the configuration file. See “ringersetting” Module: distinctive ringing settings on page 237.



Setting	Description	Range	Default
Distinctive Ringing Text `ringersetting.x.ringer_text (x= 1-8)`	Enter the text that will match the "info" parameter and play the ringer tone. The matching of the "info" parameter and Internal Ringer Text is case sensitive. The maximum length of the Internal Ringer Text is 40 characters.	String, up to 40 characters	blank
Tone `ringersetting.x.ringer_type (x= 1-8)`	Select the desired ringer from the list.	Ringer 1 to – Ringer 10 (1-10)	1

Note: minimum content of the Alert-Info header to use this feature is:

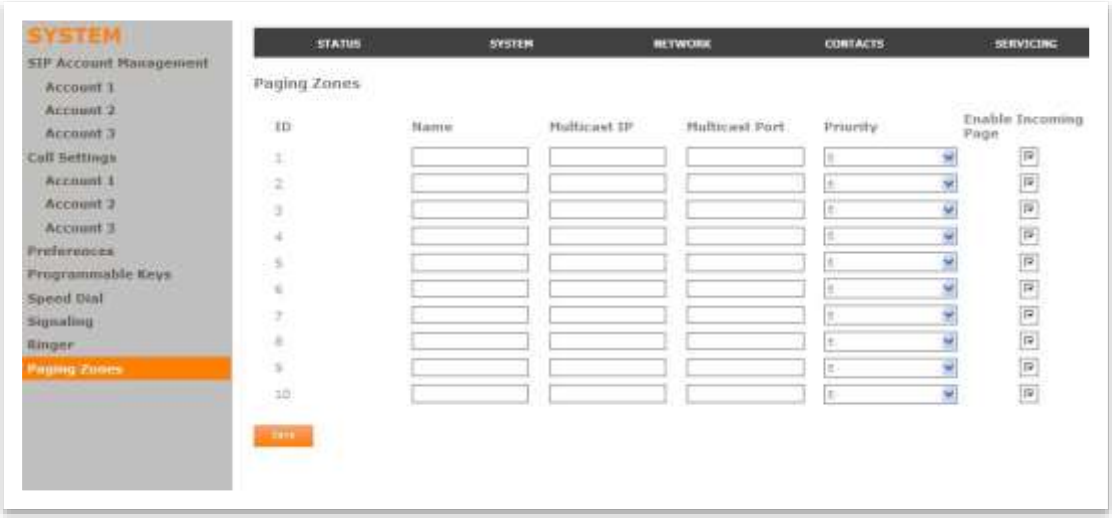
```
Alert-Info: <>;info=info_text
```

Paging Zone

Applicable **to Temporis IP100, IP150, IP151, IP251G, IP300, IP301G, IP700G, IP701G** and **Conference IP1850**.

On the Paging Zone page, you can enter the multicast IP addresses that the phone will monitor. When a page is sent out using this multicast IP address, all phones that are programmed to monitor that IP address will receive the paging RTP stream and play the page on their speakerphone. You can also enable the phone to send out multicast pages using a particular multicast IP address.

You must first set up paging groups (each group consisting of a multicast paging IP address and assigned User IDs) on your SIP PBX. The desk set can monitor a maximum of 10 multicast IP addresses.



Setting	Description	Range	Default

Name
`page_zone.x.name`
`(x= page zone ID number, 1 to 10)`
	Enter the name of the paging zone. Names can be a maximum of 15 characters. The paging zone name is displayed on the LCD during incoming and outgoing multicast pages.	String, up to 15 chars	blank

Multicast IP
`page_zone.x.multicast_address`
`(x= page zone ID number, 1 to 10)`
	Enter the paging zone multicast IP address. The IP address range for multicast addresses is 224.0.0.0–239.255.255.255.	IPv4 address, 224.0.0.0 to 239.255.255.255	blank

Multicast Port page_zone.x.multicast_port (x= page zone ID number, 1 to 10)	Enter the multicast port used by the multicast IP address. The valid port range is 1 to 65535.	0-65535	blank
Priority page_zone.x.priority (x= page zone ID number, 1 to 10)	Select the paging zone priority from 1 to 10. Zones with a priority higher than another zone can interrupt the lower-priority zone's active page.	1-10	5
Call priority threshold page_zone.call_priority_threshold	This priority setting also ranges from 1 to 10. If the paging zone priority is higher or equal to the call priority, then a multicast page can interrupt an active, dialing, or incoming call.	1-10	2
Enable incoming page page_zone.x.accept_incoming_page (x= page zone ID number, 1 to 10)	Select to enable the deskset to receive incoming pages for that paging zone. If the "Enable Incoming Page" checkbox is not selected, the phone will not listen for the multicast, but will still be able to broadcast an outgoing page.	0: disabled 1: enabled	1

This feature applies to models **IP151, IP251G, IP301G, and IP701G**.

On the Server Application page, you can enter Action URIs to allow your desk set to interact with a server application by using an HTTP GET request. The action URI triggers a GET request when a specified event occurs. Action URIs allow an external application to take control of the display when an event occurs. These pre-defined events are listed under "Action URI" on the Server Application page.

Action URIs are typically used in conjunction with the XML Browser, which can be customized to deliver an appropriate user experience.

For more information about the XML Browser syntax please contact your Technical Support team.

Your desk set supports both push and pull server applications. Note that Action URI events are not "push" events as it is the phone that requests a URI when triggered by certain states. You can enable push server applications under "XML Push Settings".

Action URI Syntax

To access an XML application, the phone performs an HTTP GET on a URL.

An HTTP GET request may contain a variable name and variable value, which are separated by "=". Each variable value starts and ends with "$$" in the query part of the URL.

Action URI variables pass dynamic data to the server. The valid URL format is:

```
http://host[:port]/dir/file name?variable name=$$variable value$$
```

where:

- host is the hostname or IP address of the server supporting the XML application
- port is the port number the phones are using for the HTTP request

At the time of the HTTP call, the variable value field is populated with the appropriate data. For example, the following URL passes the SIP Account User Identifier to the server:

```
http://10.50.10.140/script.pl?name=$$SIPUSERNAME$$
```

A GET request then passes along the following information:

```
http://10.50.10.140/script.pl?name=42512
```

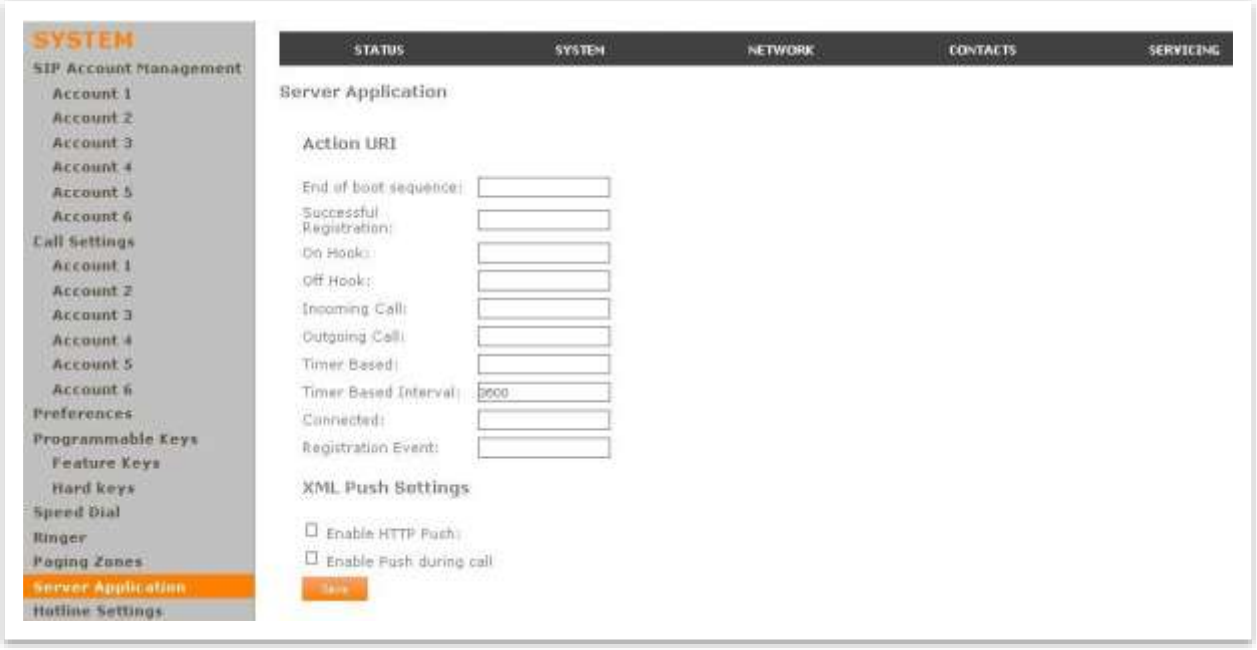
Assuming that the User Identifier is 42512.

Variable names are defined by the particular XML application being called.

Variable values are predefined and depend on the status of the phone. If the variable has no meaning in the current status, then the phone sends an empty string.

The table below lists all possible variable values. Note that variables applicable during an Incoming or Active Call (such as INCOMINGNAME and REMOTENUMBER) are initialized at the beginning and at the end of the call.

Variable value	**Description**
SIPUSERNAME	SIP Account User Identifier
DISPLAYNAME	SIP Account Display Name
LOCALIP	Phone's local IP Address
INCOMINGNAME	Caller ID name of the current Incoming Call
REMOTENUMBER	Remote party phone number (Incoming or Outgoing)
REGISTRATIONSTATE	Registration state available from the Registration event. Values are: REGISTERED DEREGISTERED FAIL
MAC	The phone's MAC Address
MODEL	The phone's model number.



Action URI

Setting	Description	Range	Default
End of boot sequence `system_event.startup.action_uri`	The End of boot sequence URI is triggered at the end of the phone boot sequence. Using the End of boot sequence URI, it is possible to develop self-provisioning on the phone. For example, an XML application can identify the phone and generate a MAC-specific file on the fly.	URI	Blank
Successful Registration `system_event.registered.action_uri`	The Successful Registration URI is triggered the first time the phone registers successfully to a SIP Account. If the phone registers to multiple SIP Accounts, then the Successful Registration URI is triggered for each line.	URI	Blank
On Hook `system_event.on_hook.action_uri`	The On Hook URI is triggered when the phone transitions from Active to Idle (or from Paging to Idle). For example, when: • The user presses the End soft key • The user hangs up the corded handset during a call • A transfer is completed and the user returns to idle • The far end hangs up • The call was not answered • The call fails.	URI	Blank

Off Hook system_event.off_hook.action_uri	Select the paging zone priority from 1 to 10. Zones with a priority higher than another zone can interrupt the lower-priority zone's active page. The Off Hook URI is triggered when the user goes to Dial mode by: • Lifting the corded handset of the cradle • Pressing the SPEAKER or HEADSET hard key • Pressing a Line PFK • Pressing the [New] soft key during a held call. Note that the Off Hook URI will NOT be triggered when calling a pre-defined number and going immediately to Dialing mode—this event triggers the Outgoing Call URI instead.	URI	Blank
Incoming Call system_event.incoming_call.action_uri	The Incoming Call URI is triggered for each Incoming Ring event or Call Waiting event. Using the Incoming Call URI, it is possible to display extra information on the phone for an Incoming Call. For example, the XML application that is called when there is an Incoming Call can do a database lookup and display information on the caller. Note that this Action URI will not be triggered if DND or Call Forward All is enabled or if Call Waiting is disabled (i.e., the call is rejected).	URI	Blank
Outgoing Call system_event.outgoing_call.action_uri	The Outgoing Call URI is triggered each time a SIP INVITE message is sent (Dialing mode). For example, after: • Pressing the **Dial** softkey in Predial with populated number • Using the dial pad to speed dial a call • Pressing a Quick Dial PFK • Dialing a Directory number by going off-hook.	URI	Blank

Timer Based system_event.poll.action_uri	• The Timer Based URI will be triggered when the configured timeout expires. The timer starts at the end of the phone boot sequence.	URI	Blank
Timer Based Interval system_event.poll.interval	• Enter the interval before the Timer Based URI is triggered.	1-65535	3600
Connected system_event.connected.action_uri	The Connected URI is triggered each time the phone is in an Active Call or is Paging.	URI	Blank
Registration Event system_event.registration_event.action_uri	The Registration Event URI is triggered every time there is a registration state change. For example: • Registered • Deregistered • Fail (Registration timed out, refused, or expired) The Registration Event URI is not triggered when the same event is repeated.	URI	Blank

XML Push Settings

Setting	Description	Range	Default
Enable HTTP Push xml_app.http_push_enable	Select to enable HTTP push, which enables the phone to display XML objects that are "pushed" to the phone from the server via http/https POST or SIP NOTIFY.	0:disable 1:enable	0
Enable Push during call xml_app.push_during_call_enable	Select to enable the phone to display pushed XML objects during a call. Otherwise, the XML application is displayed after the call is over.	0:disable 1:enable	0

Hotline Settings

This feature is applicable **to Temporis IP100, IP150, IP151, IP251G, IP300, IP301G, IP700G, IP701G**.

Hotline settings enable your desk set to dial a pre-configured number after any off-hook action in idle mode—lifting the handset, pressing SPEAKER, pressing HEADSET, or pressing a PFK Line key. The hotline dialing is subject to a delay. When this delay is configured, it supersedes the inter-digit timeout used for regular calls.

Predial mode and dialing mode are not considered idle mode. Hotline dialing will not trigger if digits have been entered, or when the phone is dialing a number.

Hotline dialing will be cancelled if the user presses any keys, or if there are any incoming calls during the hotline dialing delay period.

The hotline number uses the phone's default dial plan

Setting	Description	Range	Default
Enable Hotline `call_settings.hotline_enable`	Enables the Hotline feature	0: disabled 1: enabled	0
Account `call_settings.hotline_account`	Sets the account used for dialing the hotline number.	0-6 0 stands for the default account	0
Phone Number `call_settings.hotline_number`	Sets the number to be dialed after the hotline delay.	string	blank
Delay (secs) `call_settings.hotline_delay`	Sets the hotline delay before the number is dialed.	0-10	0

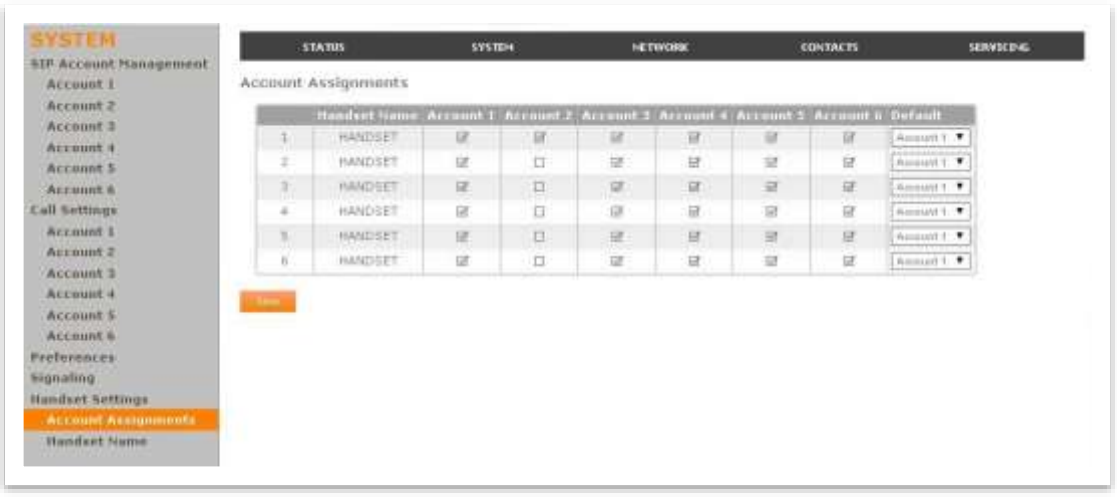
Handset settings

This subsection of **SYSTEM** section is available for **IP2015/IP2115** IP DECT only. It will allow you to configure which handsets are associated to which account(s), what will be the default dial out account for each handset, as well as the name a particular handset will display on its idle screen.

Account assignment

IP2015/IP2115 support up to six handsets and six sip accounts. Admins can decide which account or accounts are associated to a handset in particular, i.e.:
- whether an incoming call addressed to one account will be sent by the base to a handset or not, and
- whether a handset will be able to select that account to dial out

To do this, simply tick or untick the boxes on the handset vs accounts matrix shown on the WUI.



Each line corresponds to one handset; you can identify each handset by its name and number. Handset number is shown at the top right corner on the idle screen. And each column corresponds to one account.

In the example above, only Handset1 can use Account2 to send and receive calls. The rest of accounts can be used by all handsets.

On top of that, you can select one **default account** per handset. This account will be used to dial out except if you manually select another one. Other exceptions are those cases where a dial out account is predefined: call log, speed dial and Contacts.

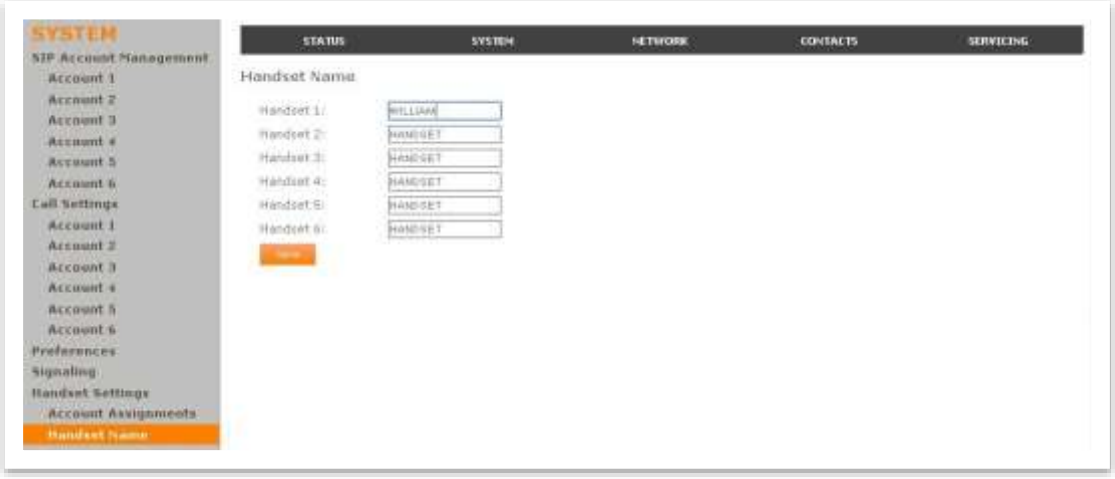
Again referring to the example above, all handsets will use Account1 to dial out by default.

Handset account assignment settings are also available as parameters in the configuration file. See "hs_settings" Module: Handset management Settings on page 240

Setting	Description	Range	Default
Assigned accounts `hs_settings.x.assigned_account` (x is handset number, from 1 to 6)	Lists accounts assigned to a handset.	Comma separated account index list	1,2,3,4,5,6
Default account `hs_settings.x.default_account` (x is handset number, from 1 to 6)	Account which will be used to dial out, except if there is a pre-assignment or user manually selects another one.	1 to 6	1

Handset name

Each handset can be assigned a name to be displayed on the idle screen.



This configuration can be done as well using the handset Phone rename submenu. See User Settings on page 76.

Handset name settings are also available as parameters in the configuration file See "hs_settings" Module: Handset management Settings on page 240

Setting	Description	Range	Default

Handset name
`hs_settings.x.handset_name`
`(x is handset number, from 1 to 6)`
	Name the handset will display on its idle screen	String (12 chars max)	HANDSET

ALCATEL
home & business phones

Network

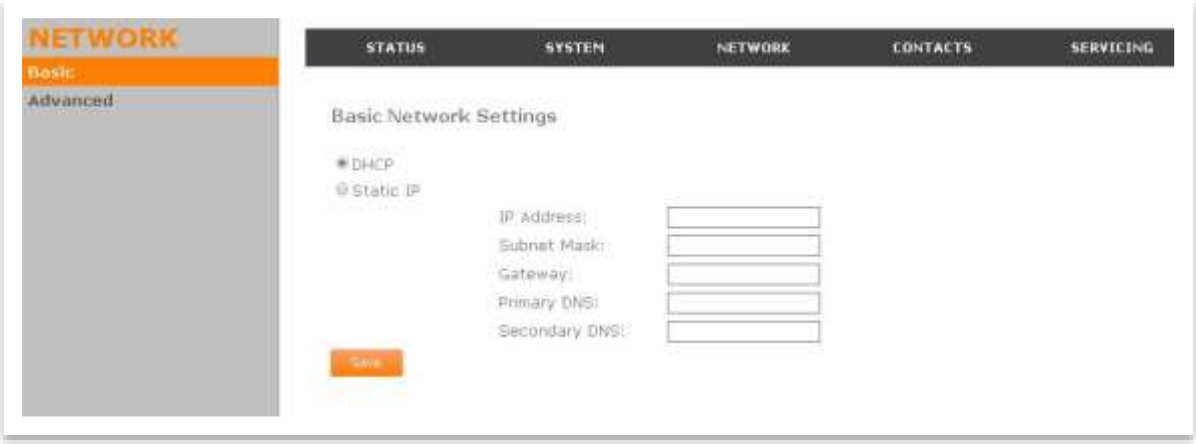
You can set up the phone for your network configuration on the Network settings pages. Your service provider may require you to configure your network to be compatible with its service, and the phone settings must match the network settings.

The network settings are grouped into Basic and Advanced. Depending on your model you will get different configuration options.
After entering information on these pages, please click Save to save it.

All these settings are available through configuration files. See "network" Module: Network Settings on page 212.

Basic Network Settings (IPv4)

Applicable to Temporis IP100, IP150, IP300, IP700G, Alcatel IP2015 and Conference IP1850



Note: If you disable DHCP on this page, you must configure static IP settings for the phone. You must be familiar with TCP/IP principles and protocols to configure static IP settings.

Basic Network Settings

Setting	Description	Range	Default
Enable DHCP `network.ip.dhcp_enable`	DHCP is selected (enabled) by default, which means the deskset will get its IP address from the network. When DHCP is disabled, you must enter a static IP address for the deskset.	1: Enabled, 0: Disabled	1
IP Address `network.ip.static_ip_addr`	If DHCP is disabled, enter a static IP address for the deskset.	IPv4	blank

Subnet Mask `network.ip.subnet_mask`	Enter the subnet mask.	IPv4	blank
Gateway Address `network.ip.gateway_addr`	Enter the static IP address of the default gateway (in this case, your router).	IPv4	blank
Primary DNS Server `network.ip.dns1`	If DHCP is disabled, enter IP addresses for the primary and secondary DNS servers.	IPv4	blank
Secondary DNS Server `network.ip.dns2`			

Basic Network Settings (IPv4/IPv6)

Applicable to Temporis IP151, IP251G, IP301G, IP701G and Alcatel IP2115. IPv4 and IPv6 protocols are supported.

When both IPv4 and IPv6 are enabled and available, the following guidelines apply when determining which stack to use:

- For outgoing traffic, the IP address (or resolved IP) in the server field—either IPv4 or IPv6—will determine which stack to be used.
- In general, most operations can be associated with one of the servers listed on the "Basic Network Settings" page. However, for operations triggered by/dependent upon network status, the phone must determine which server to use. For example, a special case like the "Network down" icon on the Desk set screen can be ambiguous for server association. Because its primary purpose is to aid in troubleshooting SIP registration issues, this case will be associated with the SIP registration server.
- DNS entries with both IPv4 and IPv6 settings can be used to resolve FQDN entries. There are no preferences with the order of the DNS queries.
- Pcap should include traffic for both stacks.
- Dual stack operations should be transparent to PC port traffic.

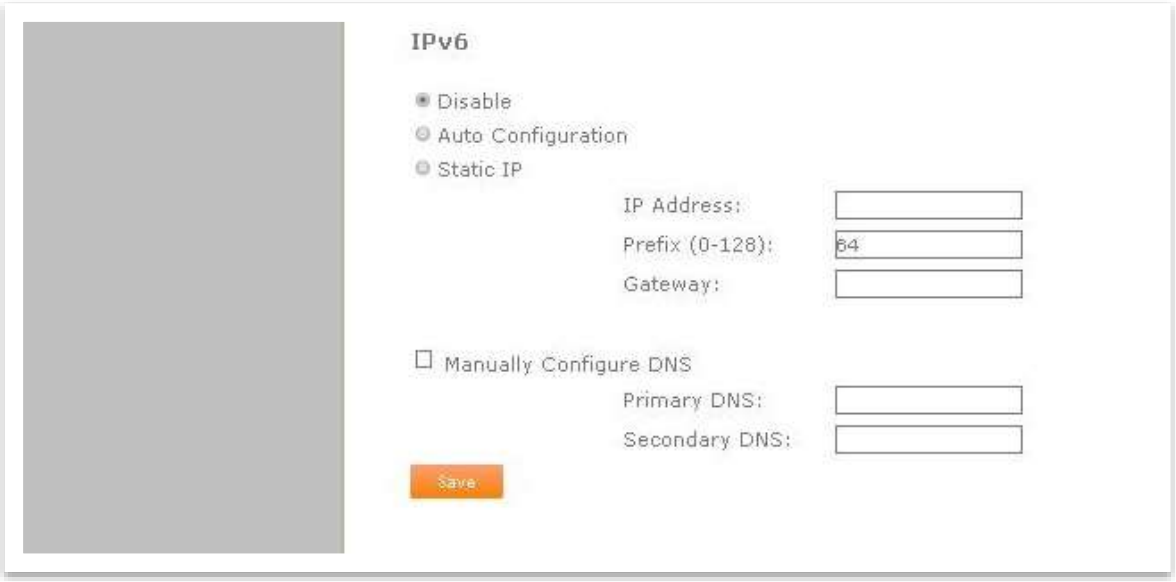
Note:
PnP is not supported on IPv6
VPN is not supported in IPv6 or PPPoE

Note:
You must be familiar with TCP/IP principles and protocols to configure static IP settings

IPv4

Setting	Description	Range	Default
Disable/DHCP/Static IP/PPPoE mode selection `network.ip.mode`	You can toggle between DHCP, Static IP, PPPoE or disabling IPv4. DHCP is selected (enabled) by default, which means the desk set will get its IP address from the network. Note you need to populate additional parameters when either Static IP or PPPoE are selected.	disable, dhcp, static, pppoe	dhcp
IP Address `network.ip.static_ip_addr`	If Static IP is enabled, enter a static IP address for the deskset.	IPv4	blank
Subnet Mask `network.ip.subnet_mask`	Enter the subnet mask.	IPv4	blank
Gateway Address `network.ip.gateway_addr`	Enter the static IP address of the default gateway (in this case, your router).	IPv4	blank

PPPoE username network.ip.pppoe.username	Enter your PPPoE account username.	string	blank
PPPoE password network.ip.pppoe.access_password	Enter your PPPoE account password.	String	blank
Manually configure DNS network.ip.manually_configure_dns	Select to enable manual DNS configuration	0:disable 1:enable	0
Primary DNS network.ip.dns1	If DHCP is disabled, or manual DNS configuration is enabled, enter IP addresses for the primary and secondary DNS servers.	IPv4	blank
Secondary DNS network.ip.dns2			

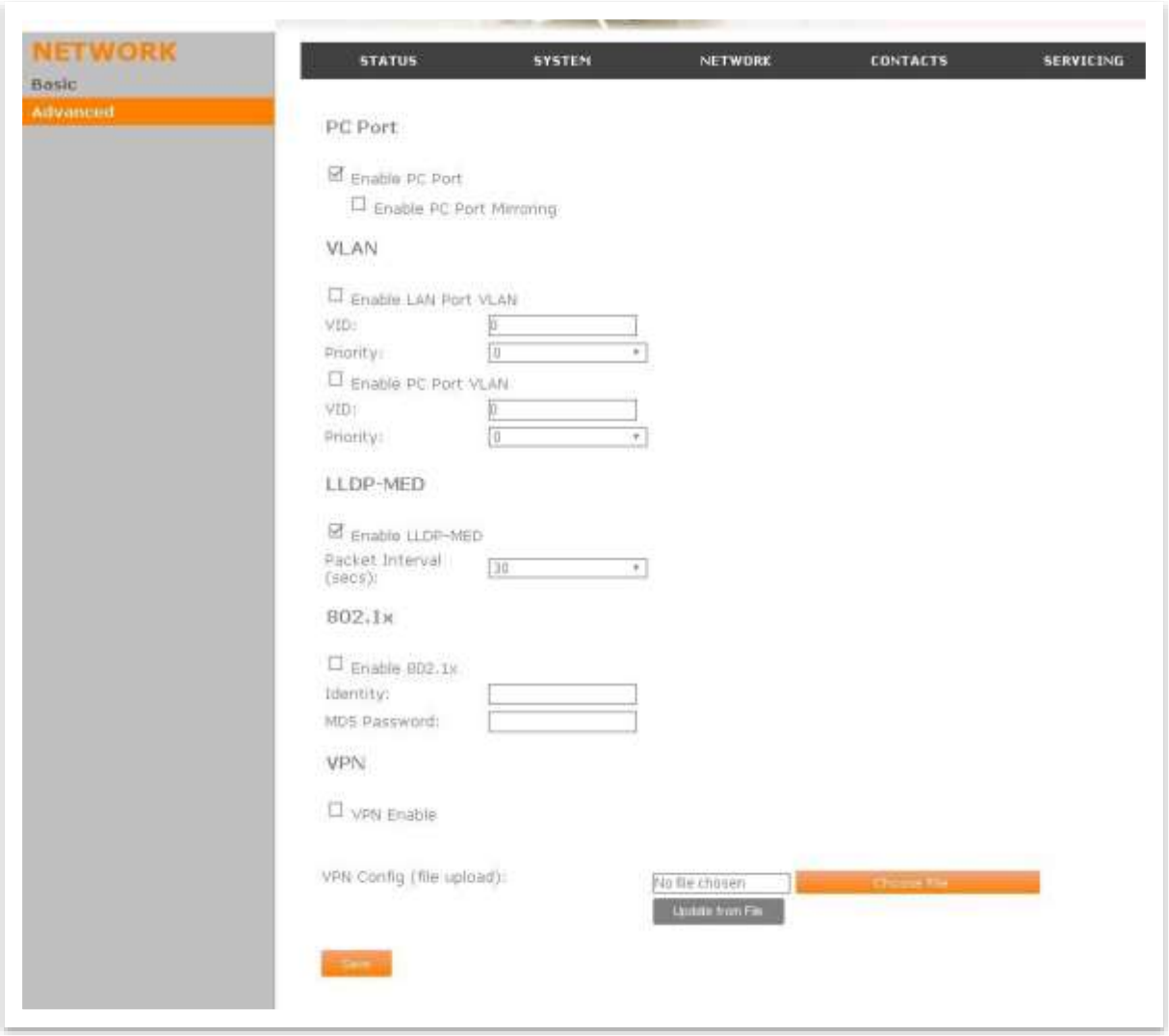


IPv6

Setting	Description	Range	Default
Disable/ Autoconfiguration/ Static IP/ network.ip6.mode	You can toggle between Autoconfiguration, Static IP, or disabling IPv6. If Autoconfiguration is selected (enabled), the phonet will get its IP address, GW and DNS from the network.	disable, auto, static	disable

	Note you need to populate additional parameters when Static IP is selected.		
IP Address network.ip6.static_ip_addr	If Static IP is enabled, enter a static IP address for the deskset. Note you will have to enter prefix, GW and DNS as well	IPv6	blank
Prefix (0-128) network.ip6.prefix	Enter the IPv6 address prefix length (0 to 128 bits).	0-128	64
Gateway Address network.ip6.gateway_addr	Enter the address of the default gateway (in this case, your router).	IPv6	blank
Manually configure DNS network.ip6.manually_configure_dns	Select to enable manual DNS configuration	0:disable 1:enable	0
Primary DNS network.ip6.dns1	If Autoconfiguration is disabled, or manual DNS configuration is enabled, enter IP addresses for the primary and secondary DNS servers.	IPv6	blank
Secondary DNS network.ip6.dns2			

Advanced Network Settings



PC Port

You can set the availability of the desk set PC port for network connectivity. When the port is enabled for connectivity, you can set the port to port mirroring, thereby allowing you to use the port to monitor inbound and outbound network traffic and facilitate troubleshooting.

This set of features is applicable to **Temporis IP151, IP251G, IP301G, and IP701G**

Setting	Description	Range	Default

Enable PC port network.pc_port.enable	Enable or disable the PC port to operate in hub/switch mode (depending on the Enable PC Port Mirroring setting).	0:disable 1:enable	1
Enable PC port mirroring network.pc_port.mirroring.enable	When the PC port is enabled, select Enable PC Port Mirroring to set the port to operate in hub mode (network traffic on the WAN port is reflected in the PC port). When Port Mirroring is not selected, the port operates in switch mode.	0:disable 1:enable	0

VLAN Settings

You can organize your network and optimize VoIP performance by creating a virtual LAN for phones and related devices.

Setting	Description	Range	Default
Enable WAN VLAN network.vlan.wan.enable	Enable if the phone is part of a VLAN on your network. Select to enable.	0: Disabled 1: Enabled	0
VLAN ID network.vlan.wan.id	Enter the VLAN ID (vlan 5, for example).	0–4095	0
Priority network.vlan.wan.priority	Select the VLAN priority that matches the Quality of Service (QoS) settings that you have set for that VLAN ID. Outbound packets will be marked and sent according to their priority. 7 is the highest priority. Note: Configuring the Quality of Service (QoS) settings for your router or switch is a subject outside the scope of this document.	0–7	0
Enable PC Port VLAN network.vlan.pc.enable	Enable if the PC connected to your phone's PC port is part of a VLAN on your network. Select to enable. Not applicable to IP100, IP2015/IP2115 or IP1850	0:Disabled 1: Enabled	0
VLAN ID		0–4095	0

network.vlan.pc.id	Enter the PC Port VLAN ID (vlan 5, for example). Not applicable to IP100, IP2015/IP2115 or IP1850		
Priority network.vlan.pc.priority	Select the VLAN priority that matches the Quality of Service (QoS) settings that you have set for that VLAN ID. Outbound packets will be marked and sent according to their priority. 7 is the highest priority. Not applicable to IP100, IP2015/IP2115 or IP1850 Note: Configuring the QoS settings for your router or switch is a subject outside the scope of this document.	0–7	0

LLDP-MED

Setting	Description	Range	Default
Enable LLDP-MED network.lldp_med.enable	Enables or disables LLDP-MED on the phone. Select (enable) if your switch is LLDP-MED capable. Link Layer Discovery Protocol for Media Endpoint Devices (LLDP-MED) is a standards-based discovery protocol supported on some network switches. It is required for auto-configuration with VLAN settings.	0:Disabled 1: Enabled	1
Packet Interval (secs) network.lldp_med.interval	Enter here the interval in seconds between LLDP packets.	1–30	30

802.1x

Setting	Description	Range	Default
Enable 802.1x network.eapol.enable	Enables the 802.1X authentication protocol. This provides the phone with secure access to the network when an 802.1X compliant authentication server is used. Consult your service provider.	0:Disabled 1: Enabled	0
Identity network.eapol.identity	Enter the 802.1x EAPOL identity.	string	blank

MD5 Password network.eapol.password	MD5 password.	string	blank

VPN

This feature is applicable to models **Temporis IP151, IP251G, IP301G, IP701G, Alcatel IP2115**.

You can operate your phone over a Virtual Private Network (VPN). VPN enables remote users and remote sites to connect to a main corporate network and SIP server with a high level of performance and security.

Configuring VPN using the WebUI consists of enabling VPN and uploading a VPN configuration file. The VPN configuration file (openvpn_client.tar) must contain the following files:

- client.conf
- a keys folder containing
  - ca.crt
  - client.crt
  - client.key

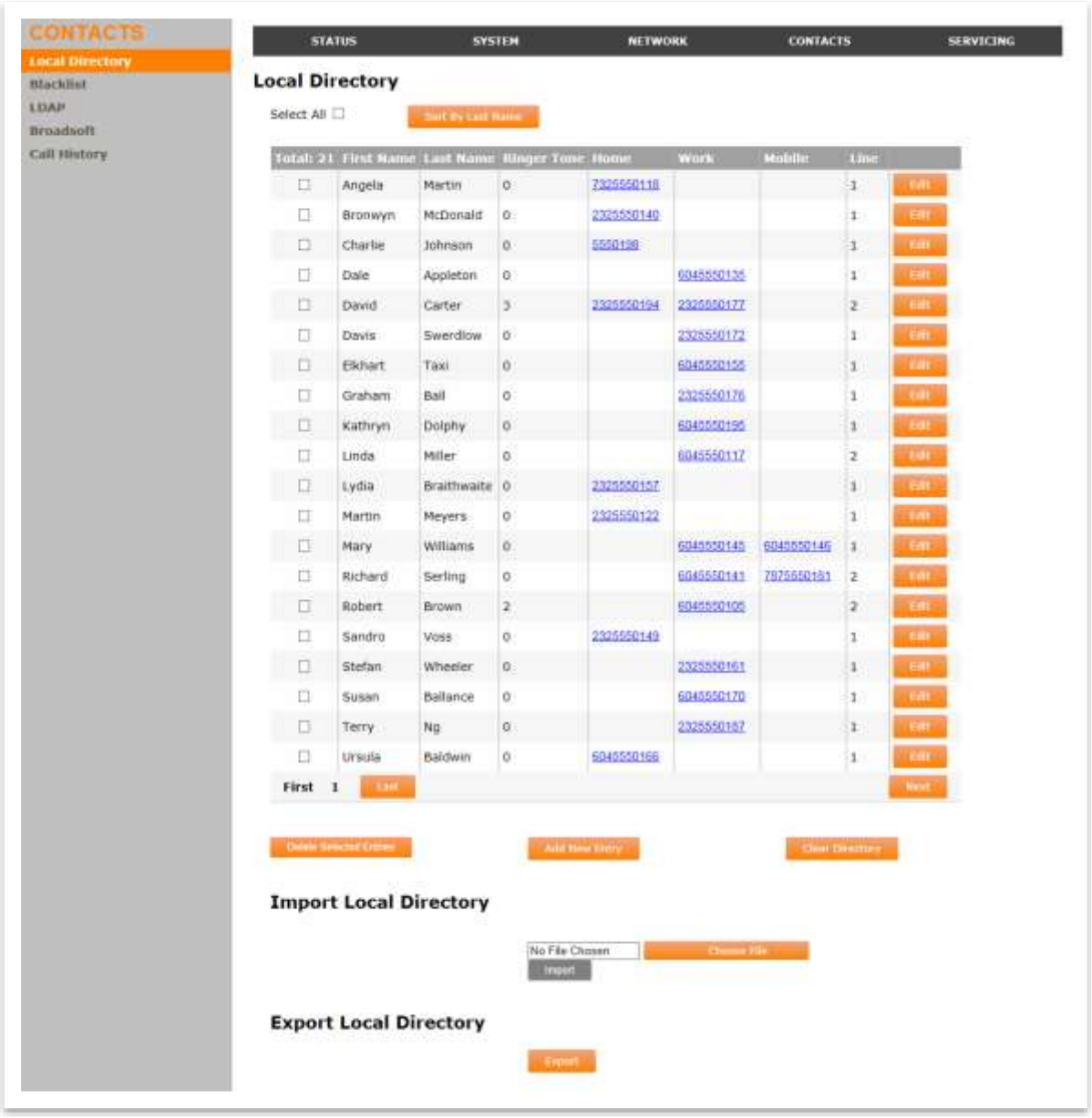
The filename of the VPN client configuration file and certificates must match the names provided above. For more information about configuring VPN, visit our extranet or contact your Technical Support team.

Setting	Description	Range	Default
VPN Enable network.vpn.enable	Enables or disables the phone to connect using the OpenVPN client. If VPN is enabled, but not connected, all SIP traffic will continue to route via the LAN IP. If VPN is enabled and connected, all SIP traffic will route via the VPN tunnel. The exception is the web server, which will still be accessible via the LAN IP.	0:Disabled 1: Enabled	0
VPN Config (file upload) file.vpn.advanced_config	Browse to and upload the VPN configuration file **openvpn_client.tar**.	URI	blank

Contacts

Local Directory

On the Local Directory page, you can manage your local directory entries. You can sort, edit, dial, delete, and add contact information. In some models, this page will be shown as "Shared Directory", since contacts will be made available to registered handsets too.



Maximum number of entries is model-dependent: up to 1000 for IP151, IP251G, IP301G, IP701G and IP2115, up to 200 entries for the rest of models, except6 for IP100 and IP150 which support up to 100.

In order to back up your contacts or import another local directory file, the page also allows you to export and import your phone's local directory.

The Local Directory lists entries on multiple pages, with 20 entries per page. Click Next, First, Last, or a page number to view the desired page of entries.

You can click on an entry to dial out this number. This feature can be enabled/disabled using configuration files, and is enabled by default. See next subchapter, or go to "provisioning" Module: Provisioning Settings on page 214.

NOTE: You can also use the phone menu to manage local directory entries. For more information, see Quick User Guides.

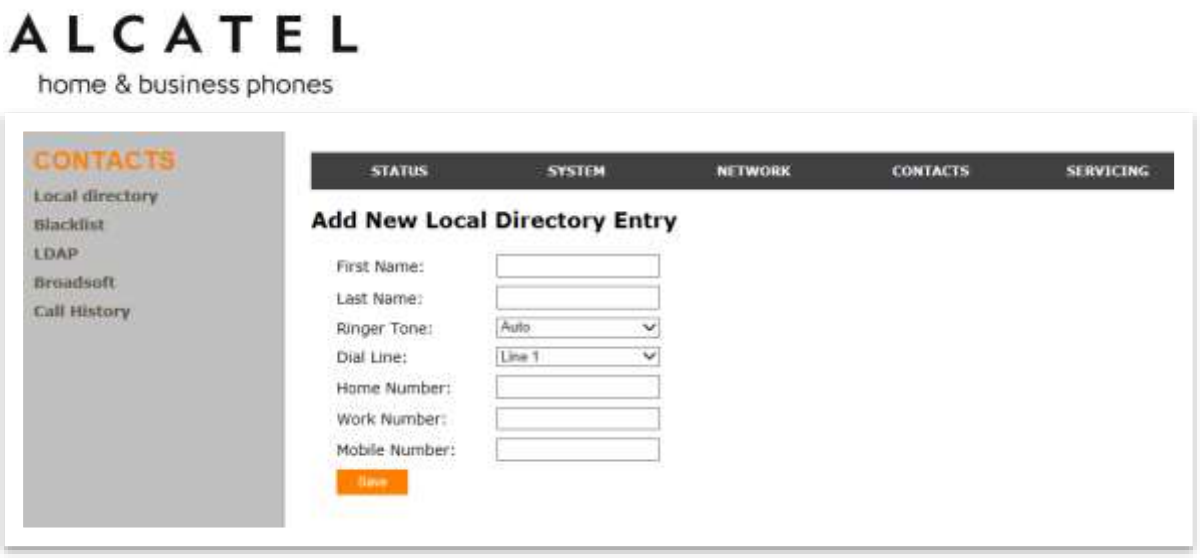
The following table describes the buttons available on the Local Directory page.

Click	**To...**
Sort by Last Name	Sort the list by last name.
Edit	Edit information for an entry
Last	View the last page of entries.
Next	View the next page of entries.
First	View the first page of entries.
Delete Selected Entries	Delete selected entries from the directory. Click Select All to select every entry on the page you are viewing.
Add New Entry	Add a new directory entry.
Clear Directory	Delete all Directory entries.
Choose file	Import a directory file.
Export	Export the directory.

To add a new directory entry:

1. Click Add New Entry.

   The Add New Local Directory Entry page appears.



2. Enter the required information as indicated in the following table. At minimum, a first and last name are required.

Create New Entry

Setting	Description	Range	Default
Call Block (not on WUI)	Blocks incoming calls with caller ID matching the directory entry.	Enable, Disable	Disable
First Name	Enter the appropriate names in these fields. The maximum length of the first name and last name fields is 15 characters.	n/a	blank
Last Name			
Ringer Tone	Sets a unique ringer tone for calls from this directory entry.	Auto, Tone 1–10	Tone 1
Dial Line	Sets the line used when you dial this directory entry.	Default Account, Account 1–3	Line 1
Home Number	Enter the appropriate names and numbers in these fields.	string	blank
Work Number			
Mobile Number			

Directory Import/Export

The best way to create a directory file for import is to first export the directory from the phone. The directory can be exported as an .xml or .csv file (model dependent). After exporting the file, open it in an .xml or csv editor and add or modify entries.

NOTE: When importing a .csv file, you can select whether the first line should be treated as a header and ignored for the import.

Importing a directory file adds the imported directory entries to existing entries. Therefore, it is possible to have duplicate entries after importing a directory file. If you are importing a "complete" directory file with the aim of replacing the entire current directory, use **Select All** and Delete Selected Entries to clear the directory before importing the file.

NOTE: Using the configuration file, you can set whether an imported directory file adds to or replaces existing entries. See next subchapter or "file" Module: Imported File Settings.

Directory files in .xml format have the following tags:

Local Directory WebUI field	**Directory file XML tag**
First Name	<DIR_ENTRY_NAME_FIRST>
Last Name	<DIR_ENTRY_NAME_LAST>
Home Number	<DIR_ENTRY_NUMBER_HOME>
Work Number	<DIR_ENTRY_NUMBER_WORK>
Mobile Number	<DIR_ENTRY_NUMBER_MOBILE>
Line	<DIR_ENTRY_LINE_NUMBER>
Call Block (not on WebUI)	<DIR_ENTRY_BLOCK>
Ringer Tone	<DIR_ENTRY_RINGER>

Directory Import using configuration files

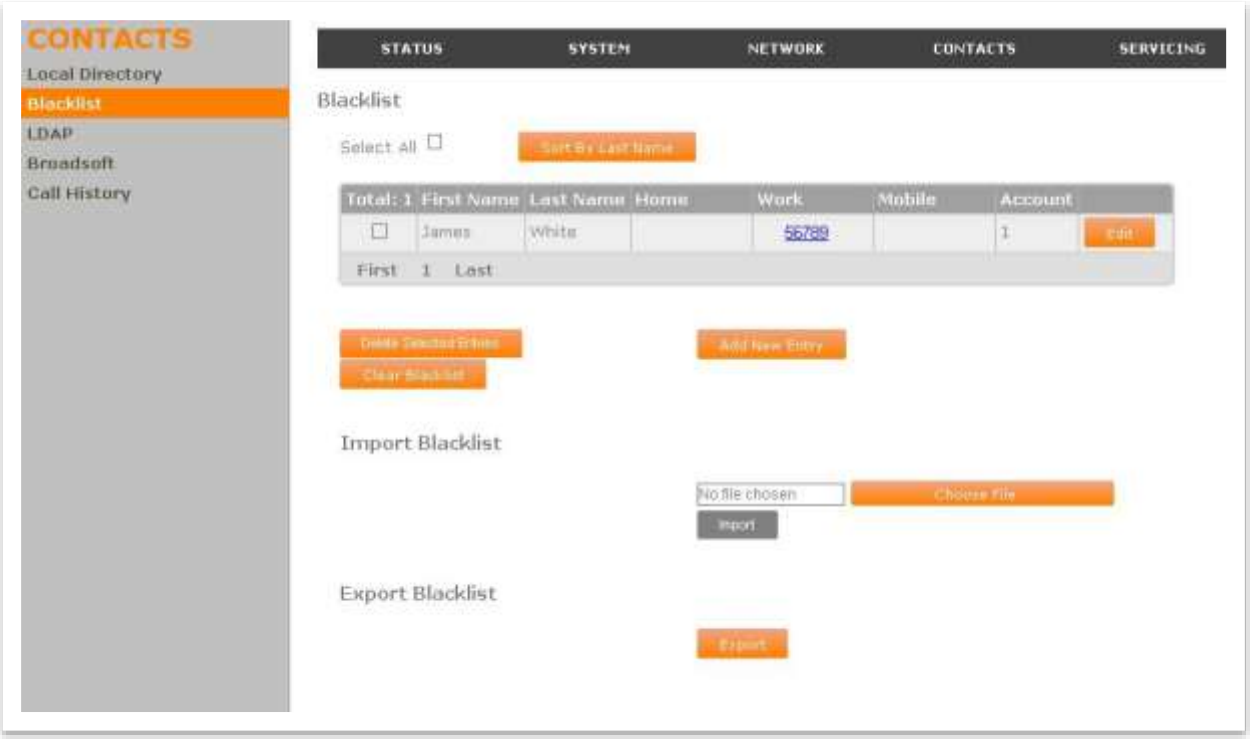
You can also upload your local directory via configuration files. Related parameters are as follows:

Setting	**Description**	**Range**	**Default**
Contact Import url (append mode, not in WUI) `file.contact.directory.append`	Sets the url from which the phone will try to fetch the directory file during provisioning process. The URL must point to an xml file formatted as described above. Contacts in the xml file will be appended to existing entries.	URI	blank

Contact Import url (overwrite mode, not in WUI) `file.contact.directory.overwrite`	Sets the url from which the phone will try to fetch the directory file during provisioning process. The URL must point to an xml file formatted as described above. Contacts in the xml file will overwrite existing entries.	URI	blank
Click-to-dial (Not in WUI) `provisioning.click_to_dial`	Enables or disables the capability to dial a contact entry by clicking on it in the WUI.	0: Disabled 1: Enabled	1

Black List

On the Black List page, you can manage those contacts whose incoming calls you would like to block.



You can sort, edit, dial, delete, and add blacklist entries. Maximum number is the same as for Contacts. In order to back up your blocked contacts or import others, the page also allows you to export and import your phone's black list.

The blacklist lists entries on multiple pages, with 20 entries per page. The interface and modus operandi are similar to Local Directory, so we will only repeat relevant aspects here.

Black List Import/Export

The best way to create a black list file for import is to first export the directory from the phone as an .xml or .csv file (model dependent). After exporting the file, open it in an .xml or .csv editor and add or modify entries.

You can import your modified directory file by clicking on "Import" after browsing and selecting it.

NOTE: When importing a .csv file, you can select whether the first line should be treated as a header and ignored for the import

Directory files in .xml format have the following tags:

Black List WebUI field	**Black List file XML tag**
First Name	<BLACKLIST_ENTRY_NAME_FIRST>
Last Name	<BLACKLIST_ENTRY_NAME_LAST>
Home Number	<BLACKLIST_ENTRY_NUMBER_HOME>
Work Number	<BLACKLIST_ENTRY_NUMBER_WORK>
Mobile Number	<BLACKLIST_ENTRY_NUMBER_MOBILE>
Line	<BLACKLIST_ENTRY_LINE_NUMBER>

NOTE: You can also use the phone menu to manage your Black List. For more information, see Quick User Guides.

Black List Import using configuration files

You can also upload your local black list via configuration files during provisioning. Related parameters are as follows:

Setting	**Description**	**Range**	**Default**
Black List Import url (append mode, not in WUI)	Sets the url from which the phone will try to fetch the black list file during provisioning process. The URL must point to an xml file formatted as described above.	URI	blank

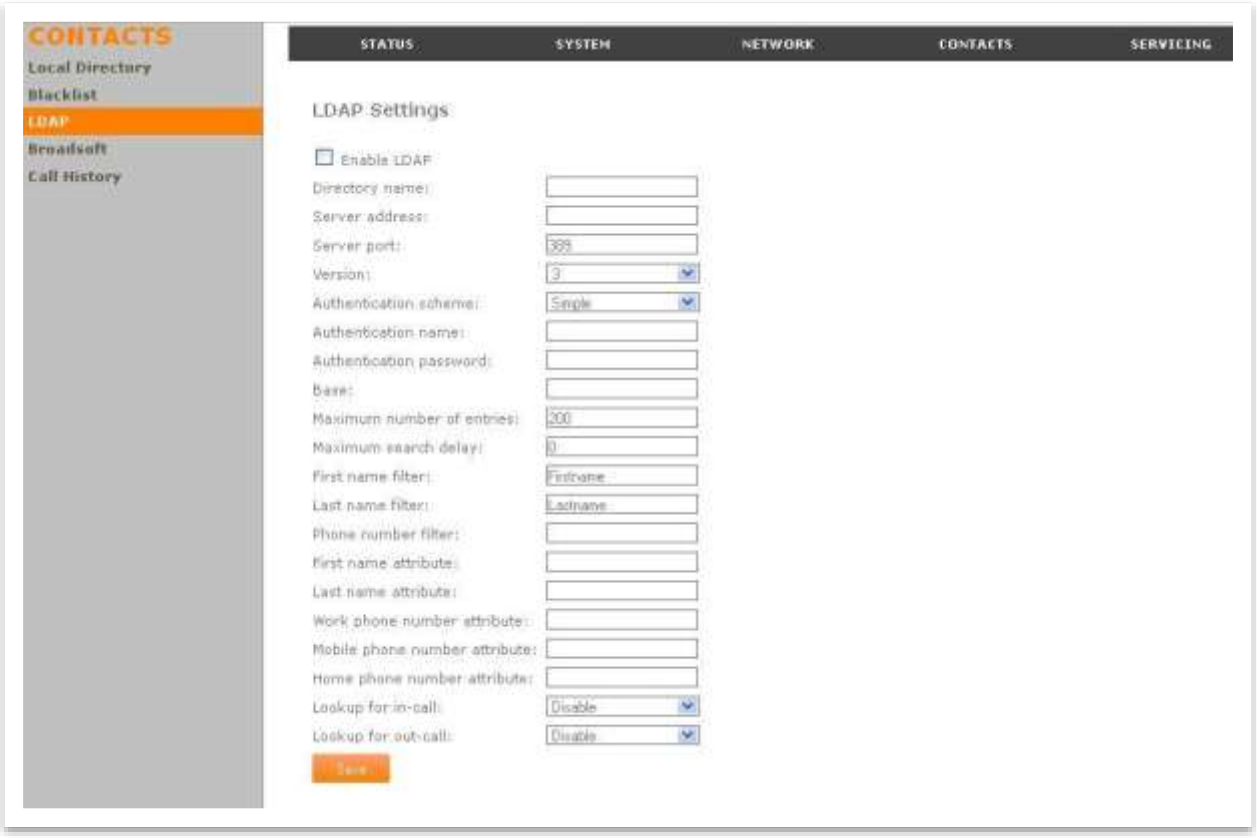
file.contact.blacklist.append	Contacts in the xml file will be appended to existing entries.		
Contact Import url (overwrite mode, not in WUI) file.contact.blacklist.overwrite	Sets the url from which the phone will try to fetch the black list file during provisioning process. The URL must point to an xml file formatted as described above. Contacts in the xml file will overwrite existing entries.	URI	blank

Note: you can also check "file" Module: Imported File Settings on page 230.

LDAP Directory

The phones support remote Lightweight Directory Access Protocol (LDAP) directories. An LDAP directory is hosted on a remote server and may be the central directory for a large organization spread across several cities, offices, and departments. You can configure the phone to access the directory and allow users to search the directory for names and telephone numbers.

On the LDAP page, you can configure your phone to use a remote LDAP directory server.



The LDAP settings are also available as parameters in the configuration file. See "remoteDir" Module: Remote Directory Settings on page 218.

LDAP Settings

Setting	Description	Range	Default
Enable LDAP `remoteDir.ldap_enable`	Select to enable or disable LDAP remote directory	0: Disabled 1: Enabled	0
Directory Name `remoteDir.ldap_directory_name`	Enter the name to be displayed to the user when accessing LDAP directory through phone menu or programmable key.	string	blank
Server address `remoteDir.ldap_server_address`	Enter LDAP server IP address or fqdn.	string	blank
Server Port `remoteDir.ldap_server_port`	Enter remote LDAP server port.	0-65535	389
LDAP version `remoteDir.ldap_protocol_version`	Select protocol version (v2 or v3) your LDAP server uses.	version_2, version_3	version_3
Authentication scheme `remoteDir.ldap_authentication_type`	Select scheme your LDAP server uses to authenticate users.	simple, ssl	simple
Authentication name `remoteDir.ldap_user_name`	Enter name used to authenticate your phone as a user in front of the LDAP server.	string	blank
Authentication password `remoteDir.ldap_password`	Enter password to authenticate your phone as a user in front of the LDAP server.	string	blank

Base remoteDir.ldap_base	Enter base directory (distinguished name of the search base object) for LDAP searches. This sets where the search begins in the directory tree structure. Enter one of more attribute definitions or LDAP field names, separated by commas (no spaces). Your directory may include attributes like "cn" (common name) or "ou" (organizational unit) or "dc" (domain component). For example: ou=sales,dc=alcatel-business,dc=com	string	blank
Maximum number of entries remoteDir.ldap_max_hits	Enter maximum number of search results to be displayed. Limiting the number of hits can conserve network bandwidth.	0-32000	200
Maximum search delay (seconds) remoteDir.ldap_search_delay	Enter timeout before displaying search results.	0-500	0
First name filter remoteDir.ldap_firstname_filter	Enter the first name attributes for LDAP searching. The format of the search filter is compliant to the standard string representations of LDAP search filters (RFC 2254).	string	blank
Last name filter remoteDir.ldap_lastname_filter	Enter the last name attributes for LDAP searching. The format of the search filter is compliant to the standard string representations of LDAP search filters (RFC 2254).	string	blank
Phone number filter remoteDir.ldap_number_filter	Enter the number attributes for LDAP searching. The format of the search filter is compliant to the standard string representations of LDAP search filters (RFC 2254).	string	blank
First name attribute remoteDir.ldap_firstname_attribute	Sets the attribute for first name. What you enter here should match the first name attribute for entries on the LDAP server (gn for givenName, for example). This helps ensure that the phone displays LDAP entries in the same format as the Local Directory..	string	blank
Last name attribute	Sets the attribute for last name. What you enter here should match	string	blank

remoteDir.ldap_lastname_attribute	the last name attribute for entries on the LDAP server (sn for surname, for example). This helps ensure that the phone displays LDAP entries in the same format as the Local Directory.		
Work phone number attribute remoteDir.ldap_work_number_attributes	Sets the attribute for the work number. What you enter here should match the work number attribute for entries on the LDAP server (telephoneNumber, for example). This helps ensure that the phone displays LDAP entries in the same format as the Local Directory.	string	blank
Mobile phone number attribute remoteDir.ldap_mobile_number_attributes	Sets the attribute for the mobile number. What you enter here should match the mobile number attribute for entries on the LDAP server (mobile, for example). This helps ensure that the phone displays LDAP entries in the same format as the Local Directory.	string	blank
Other phone number attribute remoteDir.ldap_other_number_attributes	Sets the attribute for the other number. What you enter here should match the other number attribute for entries on the LDAP server (otherPhone, for example). This helps ensure that the phone displays LDAP entries in the same format as the Local Directory.	string	blank
Lookup for in-call remoteDir.ldap_incall_lookup_enable	Enables or disables LDAP incoming call lookup. If enabled, the phone searches the LDAP directory for the incoming call number. If the number is found, the phone uses the LDAP entry for CallerID info.	0: disabled 1: enabled	0
Lookup for out-call remoteDir.ldap_outcall_lookup_enable	Select to enable or disable queries to the LDAP remote directory while dialing in order to dynamically suggest users matching dialled digits.	0: disabled 1: enabled	0

About LDAP Attribute filters

The LDAP filters on this page give you control over how directory entry search results are determined. For example, consider if gn is the firstname attribute and sn is the lastname attribute in the LDAP search base. The filter <attribute>=% returns records based on the

beginning of the user-entered string. If gn=% is used for a firstname filter, entering "da" returns records such as Daisy, Dale, David, etc.

The filter <attribute>=* returns records containing the user-entered string anywhere in that attribute. If gn=* is used for a firstname filter, entering "ar" returns records such as Karen, Arnold, Gary, etc.

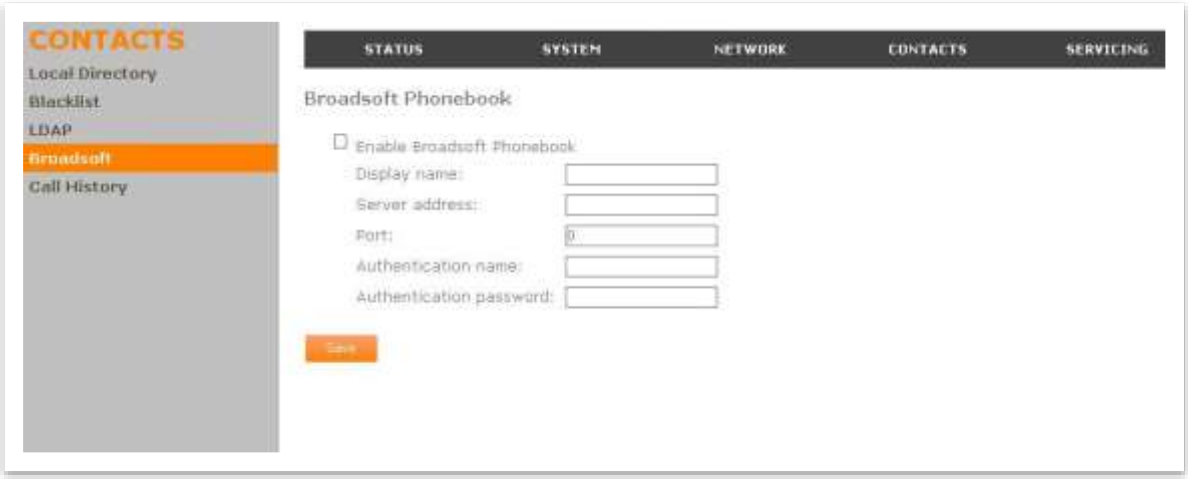
The filter (|(gn=%)(sn=%)) returns firstname and lastname records that start with the user-entered string.

LDAP number filters give you the same control over number searches and matches. If for example, you have defined the number attributes telephoneNumber, mobile and otherPhone for Work, Mobile and Other numbers respectively, then the filter (|(telephoneNumber=*)(mobile=*)(otherPhone=*)) will display the correct directory information if the number (from an incoming call, or a dialed number) matches a number in any three of those fields.

The filter telephoneNumber=* will display the correct directory information if the incoming call number matches a number in the "Work" field only.

Broadsoft Directory

The phone supports access to the Broadsoft Phonebook. Users can search for and call contacts that are hosted on the Broadsoft Phonebook. On the Broadsoft Phonebook Settings page, you must enter the path and credentials to enable the phone to access the Broadsoft Phonebook. Check with your service provider for more details.



Setting	Description	Range	Default
Enable Broadsoft Phonebook `remoteDir.broadsoft_enable`	Select to enable or disable Broadsoft remote directory	0: Disabled 1: Enabled	0

Broadsoft display name `remoteDir.broadsoft_display_name`	Enter the name to be displayed to the user when accessing Broadsoft directory through phone menu or programmable key.	string	Blank
Server address `remoteDir.broadsoft_server`	Enter Broadsoft directory server IP address or fqdn.	string	Blank
Server port `remoteDir.broadsoft_port`	Enter Broadsoft directory server port	0-65535	0
Broadsoft authentication name `remoteDir.broadsoft_user_name`	Enter user name for authentication in front of Broadsoft directory server.	string	Blank
Broadsoft authentication password `remoteDir.broadsoft_password`	Enter password for authentication in front of Broadsoft directory server.	string	blank

Remote XML Phonebook

This feature is applicable to models **Temporis IP151, IP251G, IP301G, IP701G and Alcatel 2115**. In those models it will be offered as one more option on the left side bar for Contacts WUI pages.

Up to three server-hosted Remote XML directories can be configured, with a total of 5000 entries supported. The 5000 entries can be shared across the three remote XML directories.

When the user selects a remote directory to view on his phone, the phone will sync with the directory server.

Sync failed will be displayed if any of the following failure conditions is encountered:

- Server not reachable
- Remote XML directory file is not available
- Invalid XML directory file

Remote XML Directory Settings

Setting	Description	Range	Default

Name
`remoteDir.xml.x.name`
`x=1,2 or 3`
	Sets the name of the directory as it will appear on the
	VSP736 Directory list.
	The following order applies to the Directory list when multiple server-based directories are enabled:
	1. Local
	2. Blacklist
	3. LDAP
	4. Broadsoft
	5. Remote XML directory 1
	6. Remote XML directory 2
	7. Remote XML directory 3
	Any Remote XML directories will move up the list if LDAP
	and/or Broadsoft directories are not enabled.
		string	Blank

Remote XML URI
`remoteDir.xml.x.uri`
`x=1,2 or 3`
	Enter the location of the XML directory file, from which the phone will sync and retrieve directory entries.	URI	Blank

Enable Incoming/ Outgoing Call Lookup
`remoteDir.xml.x.call_lookup_enable`
`x=1,2 or 3`
	Enables/disables the call lookup feature for incoming and outgoing calls.	0:disabled
		1: enabled
			0

Remote XML Directory Format

The following shows a sample single-entry file which can be used in a remote XML directory.

Note that the tags are configurable to match different syntax requirements; default tags are the same as those defined for the Local Directory.

```
<?xml version="1.0" encoding="utf-8"?>
<DIR_ENTRY>
<DIR_ENTRY_NAME_FIRST>John</DIR_ENTRY_NAME_FIRST>
<DIR_ENTRY_NAME_LAST>Smith</DIR_ENTRY_NAME_LAST>
<DIR_ENTRY_NUMBER_OTHER>3333</DIR_ENTRY_NUMBER_OTHER>
<DIR_ENTRY_NUMBER_WORK>1111</DIR_ENTRY_NUMBER_WORK>
<DIR_ENTRY_NUMBER_MOBILE>2222</DIR_ENTRY_NUMBER_MOBILE>
</DIR_ENTRY>
```

Should your pbx or service provider require different tag naming for their supported XML Phonebook, use the table below to see how to configure them.

Setting	**Description**	**Range**	**Default**

Entry tag
`remoteDir.xml.x.contact_entry_tag`
`x=1,2 or 3`
	Sets the name of the tag used to describe each directory entry	string	DIR_ENTRY

First Name tag
`remoteDir.xml.x.first_name_tag`
`x=1,2 or 3`
	Sets the name of the tag used to describe the first name within an entry	string	DIR_ENTRY_NAME_FIRST

Last Name tag
`remoteDir.xml.x.last_name_tag`
`x=1,2 or 3`
	Sets the name of the tag used to describe the last name within an entry	string	DIR_ENTRY_NAME_LAST

Work Number tag
`remoteDir.xml.x.work_number_tag`
`x=1,2 or 3`
	Sets the name of the tag used to describe Work number within an entry	string	DIR_ENTRY_NUMBER_WORK

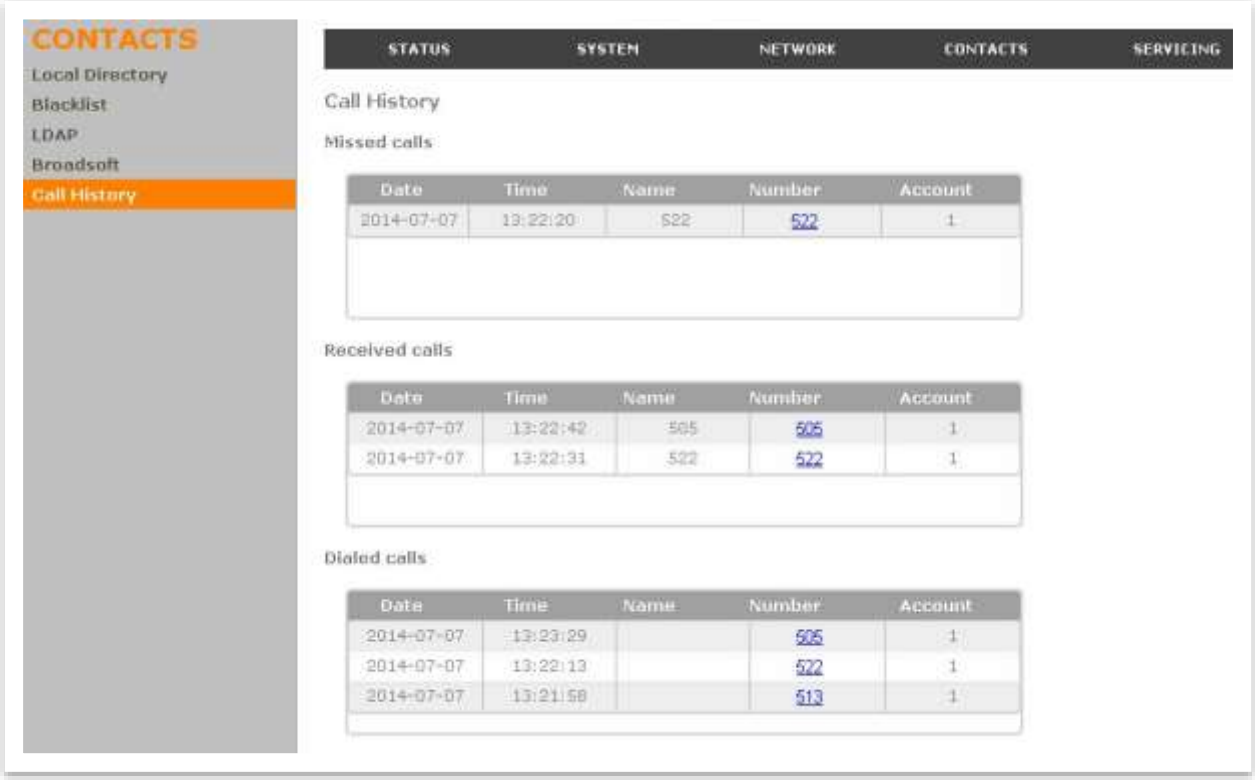
Mobile Number tag
`remoteDir.xml.x.mobile_number_tag`
`x=1,2 or 3`
	Sets the name of the tag used to describe Mobile phone number within an entry	string	DIR_ENTRY_NUMBER_MOBILE

Other Number tag
`remoteDir.xml.x.other_number_tag`
`x=1,2 or 3`
	Sets the name of the tag used to describe Other number within an entry	string	DIR_ENTRY_NUMBER_OTHER

Call History

On Call History page you can review your call log details. Missed, received and dialled calls are shown in separate tables.

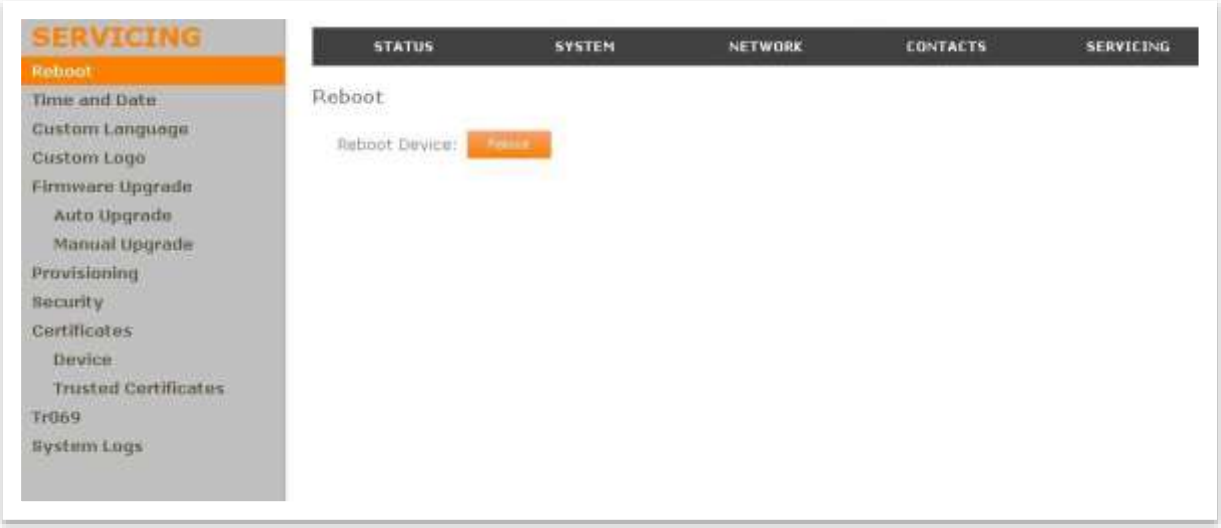
You can also click-to-call entries in these lists. You can disable click-to-dial using configuration file parameter `provisioning.click_to_dial` . See "provisioning" Module: Provisioning Settings on page 214.



Servicing

Reboot

Reboot page allows you to perform a remote restart of your phone by clicking on the "Reboot" button.



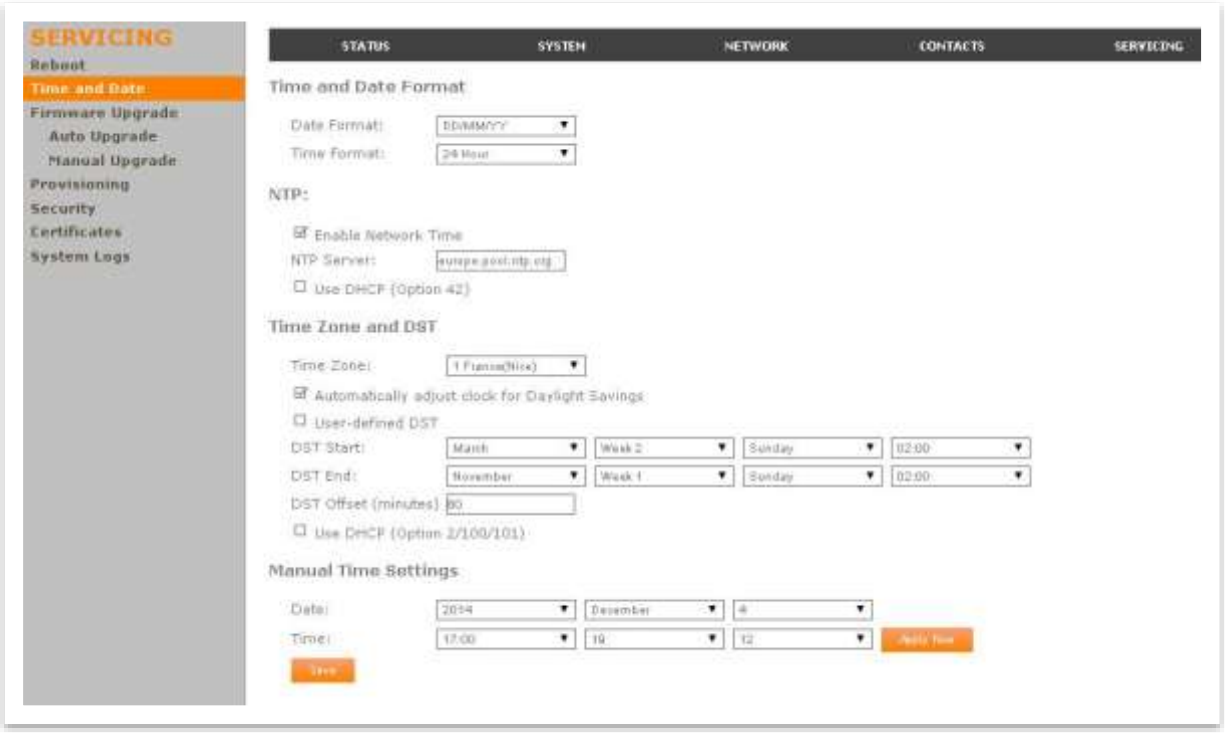
On all products (except IP2x15) restart can also be triggered via phone menu (Menu>>4.Admin settings>>5.Restart phone).

On Temporis IP150, IP151, IP300, IP301G, IP700G and IP701G you may also use the shortcut "Long press ⮌ key"

Time and Date

On the Time and Date menu, you can manually set the time and date, and the time and date formats. You can also set the system time to follow a Network Time Protocol (NTP) Server (recommended) or you can set the time and date manually.

After changing any settings on this page, click **Save** to save them.



Time and Date Settings

Setting	Description	Range	Default
Date Format `time_date.date_format`	Sets the date format.	DD/MM/YY, MM/DD/YY, YY/MM/DD	DD/MM/YY
Time Format `time_date.24hr_clock`	Sets the clock format.	1: 24 Hour 0: 12 Hour	1

Network Time Settings

Setting	Description	Range	Default
Enable Network Time `time_date.ntp_server`	Enables or disables getting time and date information for your phone from the Internet.	1: Enabled 0: Disabled	1
NTP Server `time_date.ntp_server_addr`	If Enable Network Time is selected, enter the URL of your preferred time server.	IPv4 or fqdn	europe.pool.ntp.org

Use DHCP (Option 42) time_date.ntp_dhcp_option	With Enable Network Time is selected, tick this option to use DHCP to locate the time server. Option 42 specifies the NTP server available to the phone. When enabled, the phone obtains the time in the following priority: 1. Option 42 2. NTP Server 3. Manual time.	1: Enabled 0: Disabled	0

Time Zone and Daylight Savings Settings

Setting	Description	Range	Default
Time Zone time_date.selected_timezone	Select your time zone.	See Appendix	Europe/Paris
Automatically adjust clock for Daylight Savings time_date.daylight_saving_auto_adjust	Select to adjust the clock for daylight savings time according to the NTP server and time zone setting. To disable daylight savings adjustment, leave this setting and User-defined Daylight Savings Time unchecked.	1: Enabled 0: Disabled	1
User-defined Daylight Savings Time time_date.daylight_saving_user_defined	Select to set your own start and end dates and offset for Daylight Savings time. To disable daylight savings adjustment, leave this setting and Automatically adjust clock for Daylight Savings unchecked.	1: Enabled 0: Disabled	0
Daylight Savings Start time_date.daylight_saving_start_month time_date.daylight_saving_start_week time_date.daylight_saving_start_day time_date.daylight_saving_start_hour	Set the start date and time for user-defined daylight savings: Month, week, day, and hour.		
Daylight Savings End time_date.daylight_saving_end_month time_date.daylight_saving_end_week time_date.daylight_saving_end_day time_date.daylight_saving_end_hour	Set the end date and time for user-defined daylight savings: Month, week, day, and hour.		

Daylight Savings Offset (minutes) `time_date.daylight_saving_amount`	Sets the daylight savings offset (in minutes) if you are in a region that observes daylight savings time. Selecting a setting other than Off immediately sets the clock ahead by the selected time.	0, 30, 60	60
Use DHCP (Option 2/100/101) `time_date.timezone_dhcp_option`	If Enable Network Time is selected, tick to use DHCP to determine the time zone offset. Options 2, 100 and 101 determine time zone information.	1: Enabled 0: Disabled	0
NTP server update interval (secs) (Not in WUI) `time_date.ntp_server_update_interval`	Enter interval in seconds to refresh time information with NTP server	0-4294967295	1000

Manual Time Settings

Setting	Description
Date	Select the current year, month, and day.
Time	Sets the current hour, minute, and second.

Click **Apply Now** to start the phone using the manual time settings.

Custom Language

This feature is applicable to models **Temporis IP151, IP251G, IP301G and IP701G**. In those models it will be offered as one more option on the left side bar for Servicing WUI pages.

On the Export Translation page, you can export WebUI and/or phone language strings. After exporting language strings, you can use the resulting file as the basis for a custom language translation file (.tpk file).

You can import one custom language for use on the device user interface and the WebUI. The custom language adds to the existing languages available with the firmware. Separate translation files are required for the device user interface and the WebUI.

Importing a custom language can only be done using the configuration file. See "file Module: Imported File Parameters". For details on creating and formatting a translation file, see the Custom Language document at our extranet

The available languages for export are identical to the WebUI and Phone Language lists described in "User Preferences".

The filenames of the exported language files will be:

- WebUI: <Model Number>-<Display Name>-webui.tpk
- Device MMI: <Model Number>-<Display Name>-phoneui.tpk

Custom Logo

This feature is applicable to models **Temporis IP151, IP251G, IP301G and IP701G**. In those models it will be offered as one more option on the left side bar for Servicing WUI pages.

You can use the WUI to upload a custom logo to be displayed on your phone's idle screen and during bootup. For more information about formatting a custom logo file, see "Adding a Custom Logo"
On this page, you can also reset the bootup and idle logos to factory defaults. The default logo for bootup and idle mode is the Alcatel logo.

NOTE: All desktop and Conference phones support Custom logo via provisioning file as previously described in "Adding a Custom Logo"

Setting	Description	Range	Default
Bootup logo `file.bootup_logo`	Import a custom logo shown during bootup. For logo specifications, see "Adding a Custom Logo"	URI	blank
Idle screen logo `file.idle_logo`	Import a custom logo shown on the idle screen or screensaver. For logo specifications, see "Adding a Custom Logo"	URI	blank

Firmware Upgrade

You can update the phone with new firmwares using the following methods:

Retrieving a firmware update file from a remote host computer and accessed via a URL. This central location may be arranged by you, an authorized distributor, or your SIP service provider. See **Firmware Server Settings**.
Using a file located on your computer or local network. No connection to the Internet is required. Consult your distributor for access to firmware update files. See **Manual Firmware Update Settings**.

For those models with an embedded DECT base, this is applicable to the desktop phone or base firmware and also to the cordless handsets IP15 firmware if you have any. Handset firmware will be stored in the desk set or base unit memory first, and then uploaded to the handset when requested. Note only one handset can be upgraded at a time.

Firmware Server Settings

Setting	Description	Range	Default

Firmware URL `provisioning.firmware_url`	The URL where the desk set or base firmware update file resides. This should be a full path, including the filename of the firmware file.	string	blank
Server authentication name `provisioning.fw_server_username`	Authentication username for the firmware server	string	blank
Server authentication password `provisioning.fw_server_password`	Authentication password for the firmware server	string	blank
Handset Firmware URL `provisioning.handset_firmware_url`	The URL where the cordless handset firmware update file resides. This should be a full path, including the filename of the firmware file.	string	blank

To update the deskset or base unit firmware from a remote host:

1. Enter the URL where the firmware update file resides. This should be a full path, including the filename of the firmware file.
2. Click **Upgrade firmware now**.

Note: This URL will be saved when you click **Save** on the Admin Settings page, and will be used next time. You can also configure the phone to check for firmware updates at regular intervals or at reboot. See the **Provisioning** page.

To update the cordless handset(s) firmware from a remote host:

1. Enter the URL where the IP15 handset firmware update file resides. This should be a full path, including the filename of the firmware file.
1. Click **Install Handset firmware now**.

Note: This URL will be saved when you click **Save** on the Admin Settings page. You can also configure the phone to check for firmware updates at regular intervals or at reboot. See the **Provisioning** page.

2. Launch the handset upgrade from the handset Admin Settings menu. **Menu**>**Admin Settings**>**Firmware update**.

   Note: Default password is the same as for the WUI. Use "*****" handset key to toggle text entry mode.

   The handset will first check whether there are updates available and will ask for your confirmation to proceed. Once confirmed, upgrade will take place over the air (SUOTA)

3. If you have more handsets to upgrade (IP2015), wait for the process to be completed and then repeat step 3 from the next handset, and so on.

Manual Firmware Update and Upload

On the Manual Firmware Update Settings page, you can prompt the phone to immediately download a new firmware file stored in your computer or local network.

For those models with an embedded DECT base, this is applicable to the desk set or base unit firmware and also to the cordless handsets IP15 firmware if you have any. Handset

firmware will be stored in the deskset or base memory first, and then uploaded to the handset when requested.

To update the deskset or base firmware using a file on your computer or local network:

1. On the Manual Firmware Update page, click **Choose File** to locate and open the firmware update file.
2. Click **Update from File**.

The device will update its firmware and restart.

To update the cordless handset IP15 firmware using a file on your computer or local network:

1. On the Manual Firmware Update page, click **Choose File** to locate and open the handset firmware update file.
2. Click **Install Handset File**.

The phone will load the handset firmware file into its memory.

4. Launch the handset upgrade from the handset Admin Settings menu. **Menu**>**Admin Settings**>**Firmware update**.

   Note: Default password is the same as for the WUI. Use "*****" handset key to toggle text entry mode.

   The handset will first check whether there are updates available and ask for your confirmation to proceed. Once confirmed, upgrade will take place over the air (SUOTA).

5. If you have more handsets to upgrade (IP2015), wait for the process to be completed and then repeat step 3 from the next handset, and so on.

Provisioning

Provisioning refers to the process of acquiring and applying new settings for the device using configuration files retrieved from a remote computer. After a phone or system is deployed, subsequent provisioning can update it with new settings; for example, if your service provider releases new features.

With automatic provisioning, you enable the device to get its settings automatically—the process occurs in the background as part of routine system operation. Automatic provisioning can apply to multiple phones simultaneously.

With manual provisioning, you update settings (configuration and/or firmware) yourself. Manual provisioning can only be performed on one device at a time.

On the **Provisioning** page, you can enter settings that will enable the device to receive automatic configuration and firmware updates. The Provisioning page also allows you to manually update configuration from a locally stored configuration file using an Import function. You can also export the device's configuration—either to back it up or to apply it to another device—to a file on your computer.

The provisioning process functions according to the **Resynchronization** settings and **Provisioning Server Settings**. The device checks for the provisioning URL from the following sources in the order listed below. If one of these sources is disabled, not available, or has not been configured, the phone proceeds to the next source until reaching the end of the list.

1. DHCP Options—this setting is set on the WebUI and/or the configuration file. Before enabling the DHCP options on the **Provisioning** page, ensure that DHCP is enabled on the **Network > Basic** settings page. Otherwise, enabling DHCP for provisioning will not work.

2. Preconfigured URL—this setting is set on the WebUI and/or the configuration file.

After changing any settings on this page, click **Save** to save them.

Provisioning Settings

Setting	Description	Range	Default
Provisioning server `provisioning.server_address`	URL of the provisioning file(s). The format of the URL must be RFC 1738 compliant, as follows: "<schema>://<user>:<password>@<host>:<port>/<url-path>" "<user>:<password>@" may be empty. "<port>" can be omitted if you do not need to specify the port number.	URL ftp, tftp, http, https	https:// art.atlinks .com
Server authentication name `provisioning.server_username`	User name for access to the provisioning server	n/a	n/a
Server authentication password `provisioning.server_password`	Password for access to the provisioning server	n/a	n/a

Plug-and-Play Settings

Setting	Description	Range	Default
Enable PnP Subscribe `provisioning.pnp_enable`	Enables the phone to use SIP SUBSCRIBE message for provisioning URL discovery. It takes the highest precedence among all provisioning options. pnp-->dhcp options-->fixed url.	1:Enabled 0:Disabled	1
Response timeout for PnP `pnp_response_timeout`	Time in seconds the device will be sending PnP SUBSCRIBE and waiting for a response before giving up.	1-60	10

DHCP Settings

Setting	Description	Range	Default
Use DHCP Options `provisioning.dhcp_option_enable`	Enables the phone to use DHCP options to locate and retrieve the configuration file, starting with the highest priority option. When selected, the phone automatically attempts to get a provisioning server address, and then the configuration file. If DHCP options do not locate a configuration file, then the server provisioning string is checked. Note: Ensure that DHCP is also enabled on the **Network > Basic** settings page.	1:Enabled 0:Disabled	1
DHCP Option Priority 1 `provisioning.dhcp_option_priority_1`	If DHCP is enabled, sets the DHCP Option priority. Select the highest priority option.	66, 159, 160	66
DHCP Option Priority 2 `provisioning.dhcp_option_priority_2`	If DHCP is enabled, sets the DHCP Option priority. Select the second highest priority option.	66, 159, 160	159
DHCP Option Priority 3 `provisioning.dhcp_option_priority_3`	If DHCP is enabled, sets the DHCP Option priority. Select the third highest priority option.	66, 159, 160	160
Vendor Class Id (DHCP 60) `network.vendor_class_id`	DHCP Option 60 is available to send vendor-specific information to the DHCP Server. This way the server can make decisions regarding DHCP options or network parameters to assign to the device.	string	Model dependent, see below
User Class Info (DHCP 77) `network.user_class`	DHCP Option 77 is available to send vendor-specific information to the DHCP Server.	string	Model dependent, see below

Product name	DHCP Option 60/77 default value
Temporis IP100	Alcatel Temporis IP100
Temporis IP150	Alcatel Temporis IP150
Temporis IP151	Alcatel Temporis IP151
Temporis IP251	Alcatel Temporis IP251G
Temporis IP300	Alcatel Temporis IP300
Temporis IP301G	Alcatel Temporis IP301G

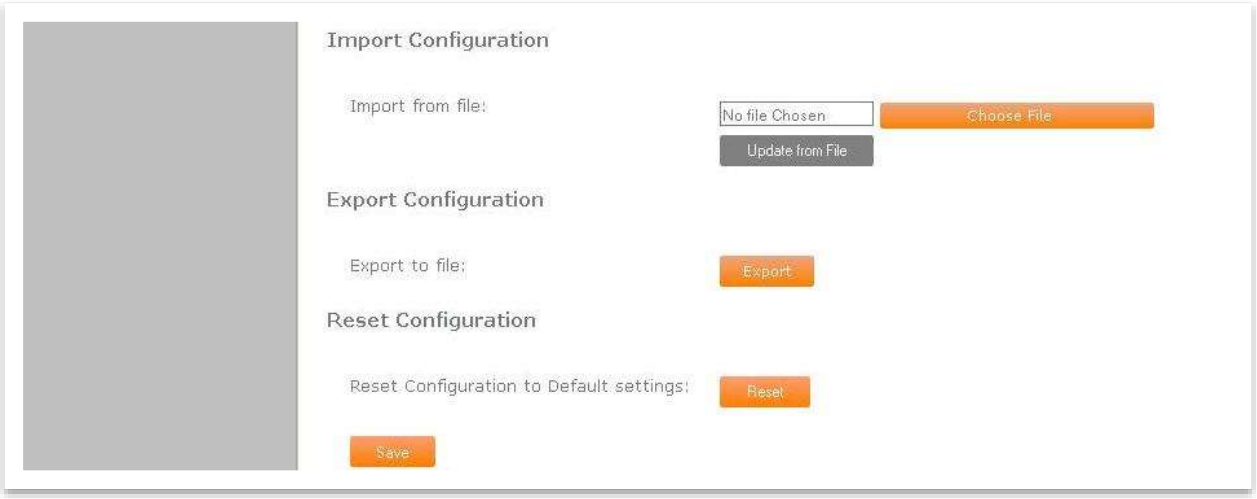
Temporis IP700G	Alcatel Temporis IP700G
Temporis IP701G	Alcatel Temporis IP701G
Alcatel IP2015	Alcatel IP2015
Alcatel IP2115	Alcatel IP2115
Conference IP1850	Alcatel IP1850

Resynchronization

Setting	Description	Range	Default
Mode `provisioning.resync_mode`	Sets which files the phone checks for at regular intervals. It can check for configuration files, firmware update files (from the URL entered on the Admin Settings page), or both. Note: When checking for both config and firmware files, the firmware URL can be within the config file. This firmware URL takes take precedence over the url on the admin settings page. It will also update the URL on the admin settings page. This allows you to change the firmware URL automatically.	config_only: Configuration firmware_only : Firmware config_and_firmware: Both	config_and_firmware

Bootup Check `provisioning.bootup_check_enable`	Sets the phone to check the provisioning URL for new configuration and/or firmware files upon boot up. The update is applied as part of the reboot process.	1: On 0: Off	1
Schedule check mode Disabled/Interval/ days of the week `provisioning.schedule_mode`	Toggles among the 3 possible schedule checking modes.	disable, interval, weekday	disable
Interval (minutes) `provisioning.resync_time`	Sets an interval, in minutes, for periodically checking for updates.	0-65535 0 means no periodic resync will happen	0
Scheduled Weekdays for provisioning `provisioning.weekdays`	Sets weekdays when checking should take place	List of comma delimited integers, 0 (Sun) to 6 (Sat)	blank
Start hour on the scheduled day(s) `provisioning.weekdays_start_hr`	Select the hour of the day on which the phone checks for updates.	0-23	0
End hour on the scheduled day(s) `provisioning.weekdays_end_hr`	Select the hour of the day on which the phones stops checking for updates.	0-23	0
Use encryption `provisioning.crypto_enable`	Enables an AES-encrypted configuration file to be decrypted before being applied to the phone. Select if the configuration file has been secured using AES encryption. See Securing Configuration Files with AES Encryption.	0: Disabled 1: Enabled	0

Passphrase `provisioning.crypto_passphrase`	If the configuration file has been secured using AES encryption, enter the 16-bit key. See Securing Configuration Files with AES Encryption.	String	Blank
Remote Check Sync (Not in WUI) `provisioning.remote_check_sync_enable`	If enabled, the phone will react to a NOTIFY (check-sync) in order to launch automatic provisioning.	0: Disabled 1: Enabled	1



Import Configuration

You can configure the phone by importing a configuration file from your computer or your local network. For more information about configuration file types and configuration file formatting, see Provisioning Using Configuration Files on page 193.

To import a configuration file:

1. Click Browse to locate and open the configuration file.
2. Click **Import**.

The phone will update its configuration. If any of the updated settings require the phone to restart, the phone will restart immediately, without waiting for one minute of activity.

Manually importing a configuration file differs from the auto-provisioning process in that the phone does not check whether the file has been loaded before. The configuration file is processed whether or not it is different from the current version.

Export Configuration

You can export all the settings you have configured on the WebUI and save them as a configuration file on your computer. You can then use this configuration file as a backup, or use it to update other phones.

To export the configuration file:

1. Click **Export**.

The format of the exported file is **<model name>_<mac address>.cfg**. For example, **Temporis_IP300_7465D1161234.cfg**.

Exporting a configuration file generates two header lines in the configuration file. These header lines provide the model number and software version in the following format:

```
#Model Number = xxxxxxx
#SW Version = xxxxxxx
```

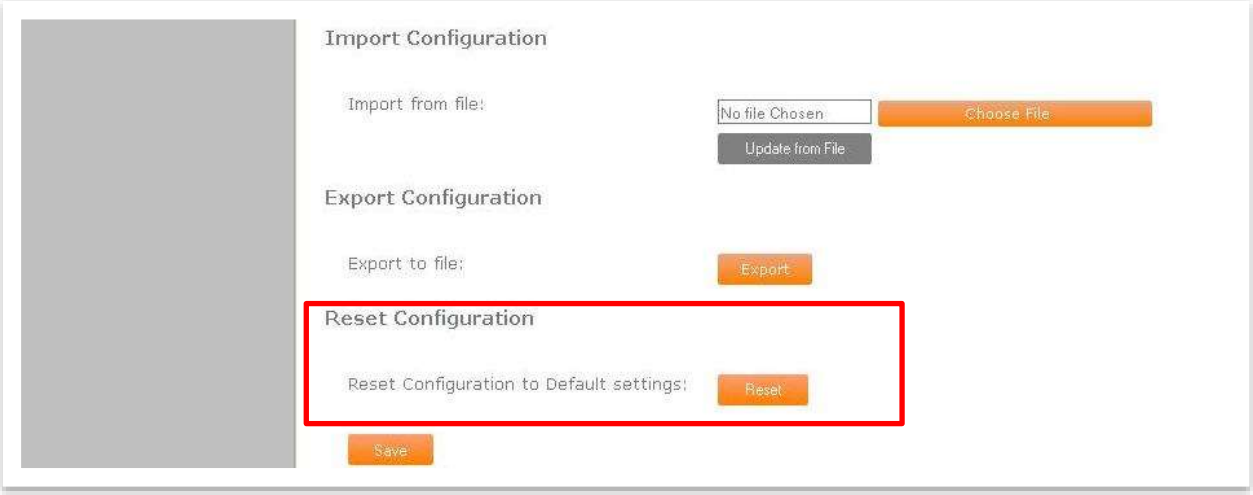
You can use the exported file as a general configuration file, and duplicate the settings across multiple units. However, ensure that you edit the file to remove any unit-specific SIP account settings before applying the file to other units.

Please note passwords are NOT exported, for security reasons. Namespaces will be shown on the exported file, but with an empty value. Make sure to populate them again if you wish to reuse to propagate the settings to other units.

Reset Configuration

To reset the phone to its default configuration:

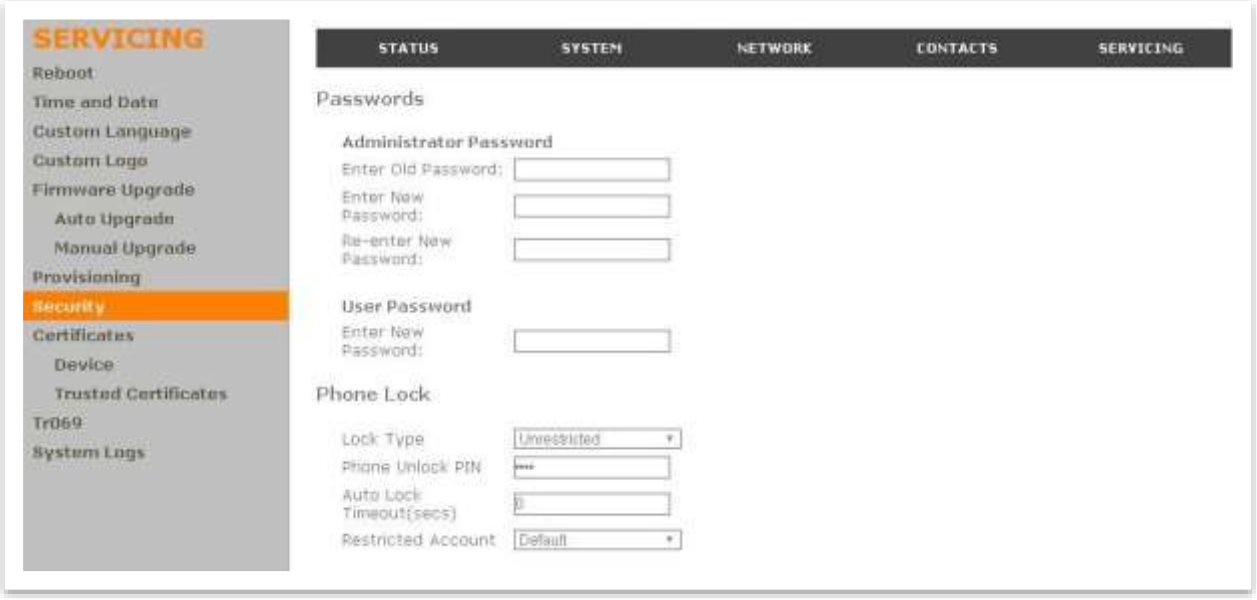
Under **Reset Configuration**, click **Reset**.



Security

On the Security page you can reset the admin password, reset the user password, enter web server settings, and configure other security features like phone lock of IP filtering.

After changing any settings on this page, press **Save** to save them.



Passwords

Administrator Password

Setting	Description	Range	Default
Admin password: Enter old password Admin password: Enter new password Admin password: Re-enter new password `profile.admin.password`	Enter admin password. The password is case sensitive and can consist of both numbers and letters.	String	admin

To change the admin password:

1. Enter the old password (for a new phone, the default password is admin).
2. Enter and re-enter a new password.
3. Click Save.

User Password

Setting	Description	Range	Default
User password: Enter old password User password: Enter new password User password: Re-enter new password `profile.user.password`	Enter user password. The password is case sensitive and can consist of both numbers and letters.	String	user

To change the User password:

1. Enter the old password (for a new phone, the default password is user).
2. Enter and re-enter a new password. The password is case sensitive and can consist of both numbers and letters.
3. Click Save.

Phone lock

This feature is applicable to **Temporis IP151, IP251G, IP301G and IP701G**.

The Phone Lock feature restricts certain hard keys and features unless the user enters a PIN code. For more information about the phone lock feature, see "Security Menu"

Setting	Description	Range	Default
Lock Type `phonelock.type`	Unrestricted, Restricted Config, Restricted Call, Emergency Call Only.	disabled, restricted_config, restricted_call, emergency_call_only	disabled
Phone Unlock PIN `phonelock.pin`	Enter the PIN that the user enters to unlock the phone.	4-15 digits	1234
Auto Lock Timeout (secs) `phonelock.autolock_timeout`	Enter a timeout period in seconds. When the phone becomes idle after being used in unlocked mode, the phone automatically locks after the timeout.	0-3600	0
Restricted Account		0…6	0

phone.lock.restricted_account	Select the account to be used when Phone Lock is active.	(0 stands for the default account)	

PIN masking

This feature is applicable to **Temporis IP151, IP251G, IP301G and IP701G**.

The PIN masking feature allows users to hide PIN numbers during call operation. The different types of PIN masking are:

- Hide DTMF digits—when Hide DTMF is enabled, PIN numbers entered during an Active Call are automatically masked.
- Password Dial—when Password Dial is enabled, PIN numbers entered as part of the dial string are hidden. For example, when entering numbers in Pre-Dial or Dial mode, PIN numbers are automatically masked.
- PIN numbers in a dial string are masked in Pre-Dial and Dial modes (including variants of these modes, such as Transfer Setup, Conference Setup, and Incoming Call Forward Setup).

NOTE: Masked PIN numbers are not saved in Redial entries. The masked numbers are stripped out of the dial string before being saved in the Call History

Setting	Description	Range	Default
Enable Hidden DTMF Digits security.hide_dtmf_enable	Enable to mask all DTMF digits entered during an Active Call. Note that unlike Password Dial, there is no prefix parameter and no length parameter, so any DTMF string of any length is masked.	0:disable 1:enable	0

Enable Delay for Hidden DTMF digits `security.hide_dtmf_delay_enable`	Enable to add a one-second delay before DTMF digits are masked. By default, the digits are masked immediately.	0:disable 1:enable	0
Enable Password Dial `security.pwd_dial_enable`	Enable to hide PIN numbers entered as part of the dial string.	0:disable 1:enable	0
Enable Delay for Password Dial `security.pwd_dial_delay_enable`	Enable to add a one-second delay before PIN numbers are masked. By default, the PIN number is masked immediately	0:disable 1:enable	0
Password Dial Prefix `security.pwd_dial_prefix`	Enter the prefix that serves as an indicator that the next x digits are masked (x being equal to the Password Dial Length). Only the first matched Prefix initiates PIN masking. If additional instances of the Password Dial Prefix appear elsewhere within the dial string, they are ignored.	string	blank
Password Dial Length `security.pwd_dial_length`	Enter the PIN number length. All digits within this length are masked. Any digits beyond this length are not masked. For example, if the Password Prefix is 99 and the Password Dial Length is 3, then 9912345 will be rendered as 99***45	1-32	1

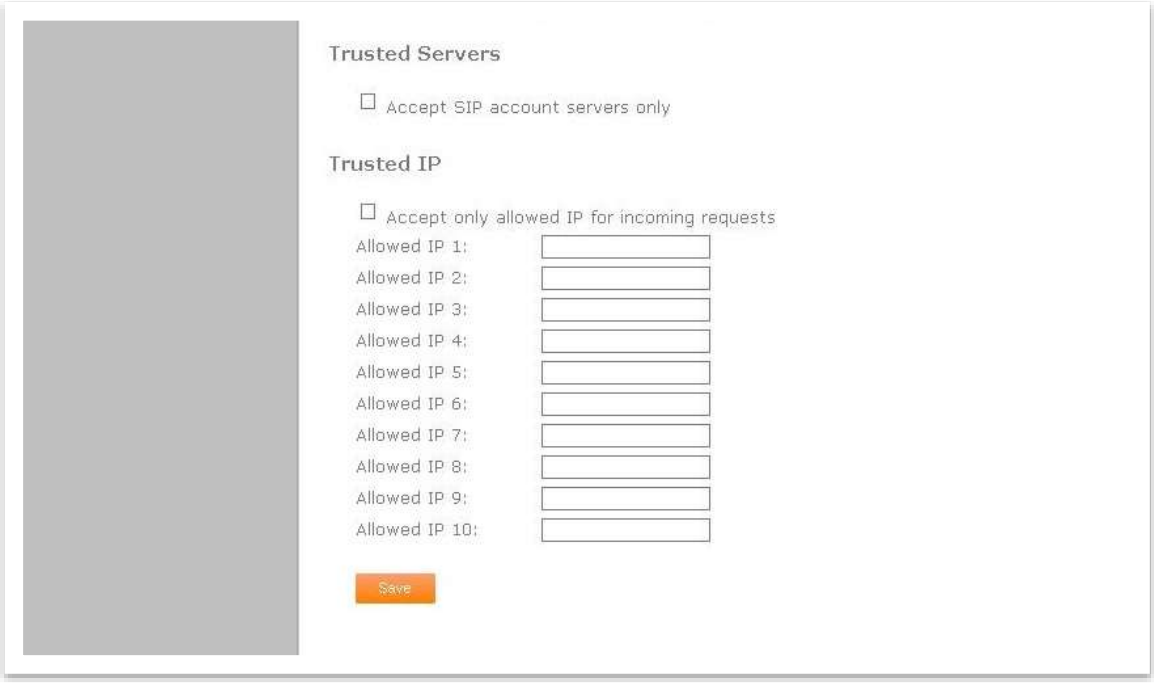
Web Server

Web Server Settings

Setting	Description	Range	Default
HTTP Server port `web.http_port`	Sets the port where the embedded HTTP server is accessible	0–65535	80
Enable Secure Browsing `web.https_enable`	Sets the server to use the HTTPS protocol.	1: Enabled 0: Disabled	0
HTTPS Server port `web.https_port`	Port used by the embedded HTTPS server.	0–65535	443

To configure Web Server Settings:

1. Enter the HTTP Server port number. The default setting is 80.
2. Enable or Disable Secure Browsing. When enabled, the HTTPS protocol is used, and you must select the HTTPS server port in the next step.
3. Enter the HTTPS server port number. The default setting is 443.



Trusted servers

This feature is applicable to **Temporis IP151, IP251G, IP301G and IP701G**.

The Trusted Servers setting provides a means of blocking unauthorized SIP traffic. When enabled, each account's Registration server, SIP server, Outbound Proxy server and Backup Outbound Proxy server will be used as sources for trusted SIP traffic. All unsolicited SIP traffic (for example, INVITE, NOTIFY, unsolicited MWI, OPTIONS) will be blocked unless it is from one of the trusted servers with the enabled accounts.

If additional trusted sources are required beyond what has been specified with the enabled accounts (for example, if IP dialing or other types of server traffic need to be secured), use the Trusted IP settings on the Security page.

Setting	Description	Range	Default
Accept SIP account servers only `trusted_ip.only_accept_sip_account_servers`	Enable or disable using the account servers as sources for trusted SIP traffic.	0:disable 1:enable	0

Trusted IP

This feature is applicable to **Temporis IP151, IP251G, IP301G and IP701G**.

In addition to the Trusted Servers setting, incoming IP traffic can be filtered using an "Allowed IP" list of IP addresses. When this means is enabled, all unsolicited IP traffic will be blocked unless it is from one of the trusted IP addresses on the "Allowed IP" list.

You can enter the "Allowed IP" list in the 10 fields on the "Trusted IP" section. Entries on the "Allowed IP" list must be specified as IP addresses (IPv4 or IPv6). Three formats are supported for entries on the "Allowed IP" list:

1. IP range specified using CIDR notation (defined in rfc4632). IPv4 or IPv6 address followed by a prefix; for example, 192.168.0.1/24.

2. IP range specified with a pair of starting and ending IPv4 or IPv6 addresses, separated by '-' (for example, 192.168.0.1-192.168.5.6).

- No space before or after '-'
- Both starting IP & ending IP have to be with the same IP version
- Starting IP has to be smaller than the ending IP; otherwise, all traffic will be dropped.

3. Single IP address in IPv4 or IPv6.

NOTE: To ensure WebUI access after configuring Trusted IP, you must include the IP of the Web Browser on the "Allowed IP" list

Setting	Description	Range	Default
Accept only allowed IP for incoming requests `trusted_ip.only_accept_allowed_ip`	Enable or disable using the "Allowed IP" list to filter all IP traffic.	0:disable 1:enable	0

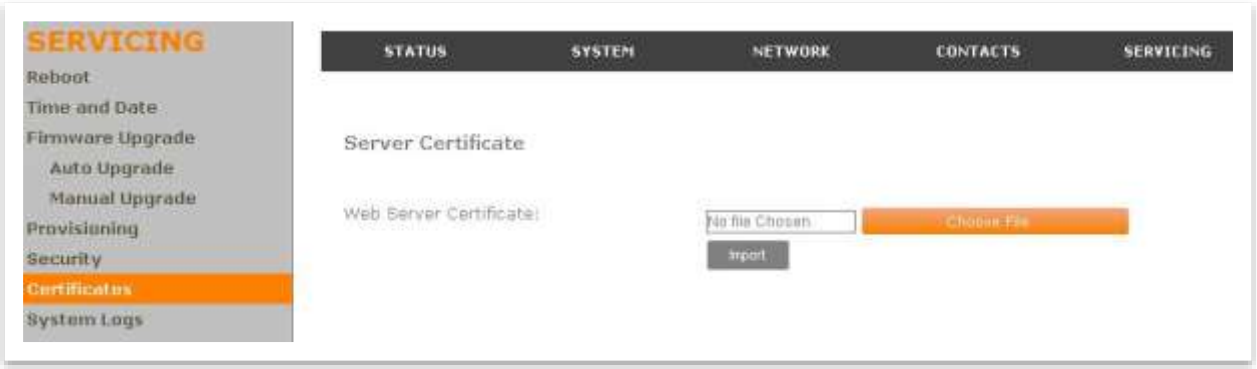
Allowed IP 1–10
`trusted_ip.x.allow_ip`
`x=1…10`
	Enter IP addresses or address ranges to be used as sources of authorized IP traffic.	IPv4 or IPv6, IP range in IPv4 or IPv6	blank

Certificates

This section applies to models **Temporis IP100, IP150, IP300, IP700G, Alcatel IP2015 and Conference IP1850.**

TLS (Transport Layer Security) transport requires security certificates to establish a secure connection between phone and server.

Your phone embeds a web server certificate for this purpose. You can also upload one using WUI and/or configuration files.



To upload a web server certificate:

1. Under Server Certificate, click **Choose File**.
2. Locate the certificate file and click **Open**.
3. On the Certificates page, click **Import**.

In the configuration file, the web certificate is specified by the `file.https_user.certificate` parameter.

You can also upload other certificates for different applications on the phone:

Setting	Description	Range	Default
Import Server Certificate `file.https_user.certificate`	Enter url to download Server Certificate from	URI	blank
Import Provisioning Certificate `file.provisioning.trusted.certificate`	Enter url to download Provisioning Certificate from	URI	blank
Only accept trusted Provisioning certificate `provisioning.check_trusted_certificate`	When enabled, only trusted servers can be used for https provisioning	0: Disabled 1: Enabled	0
Import TLS transport Certificate `file.sips.trusted.certificate.x`	Enter url to download TLS Certificate from	URI	blank
Only accept trusted TLS certificate `sip_account.x.check_trusted_certificate`	When enabled, account x using TLS will only accepted trusted servers	0: Disabled 1: Enabled	0

Use first TLS Certificate for all accounts `sip_account.use_first_trusted_certificate_for_all`	When enabled, different certificates for different accounts will not be required for TLS transport	0: Disabled 1: Enabled	0
Import LDAP Certificate `file.ldap.trusted.certificate`	Enter url to download LDAP certificate from	URI	blank
Only accept trusted LDAP certificate `remoteDir.ldap_check_certificate`	When enabled, only trusted servers can be used for LDAP	0: Disabled 1: Enabled	0
Import Broadsoft Certificate `file.broadsoft.trusted.certificate`	Enter url to download Broadsoft directory Certificate from	URI	blank
Only accept trusted Broadsoft certificate `remoteDir.broadsoft_check_certificate`	When enabled, only trusted servers can be used for Broadsoft directory	0: Disabled 1: Enabled	0

Enhanced Certificate Management

This section applies to models **Temporis IP151, IP251G, IP301G, IP701G and Alcatel IP2115**.

For these devices, you can add two types of certificates using the WebUI or the provisioning file:

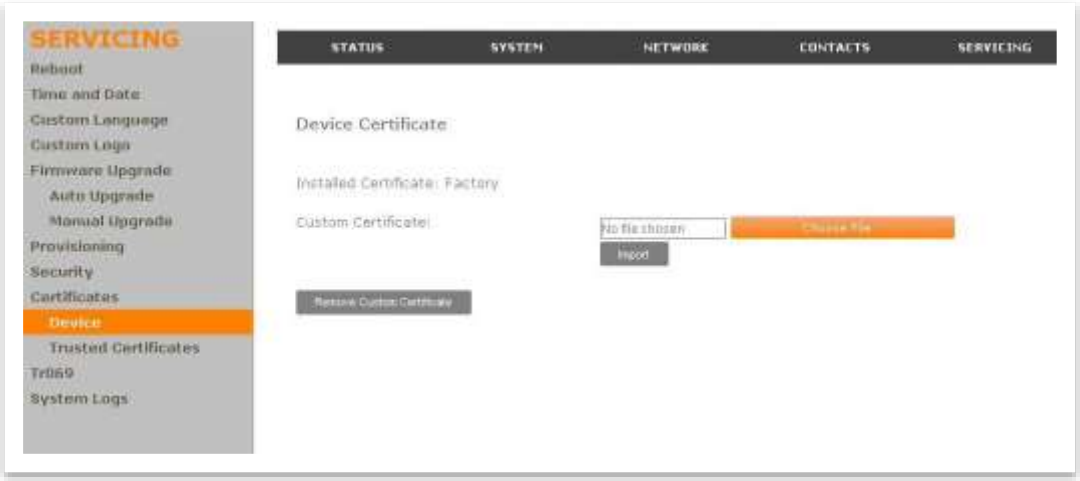
- Device—A single Device Certificate can be uploaded so that other parties can authenticate the phone in the following cases:
  - When the phone acts as a web server for the user to manage configurations.
  - When the phone acts as a client for applications where HTTP is supported.

- Trusted—Trusted Certificates are for server authentication with secured HTTP transaction in the following applications: SIP signaling, Provisioning, Firmware, LDAP directory service, and Broadsoft directory service. Up to 20 trusted certificates can be installed.

Device Certificate

Your phone has an embedded device certificate. Should you need to override it with a custom certificate, you can do so through the WUI or config file settings.

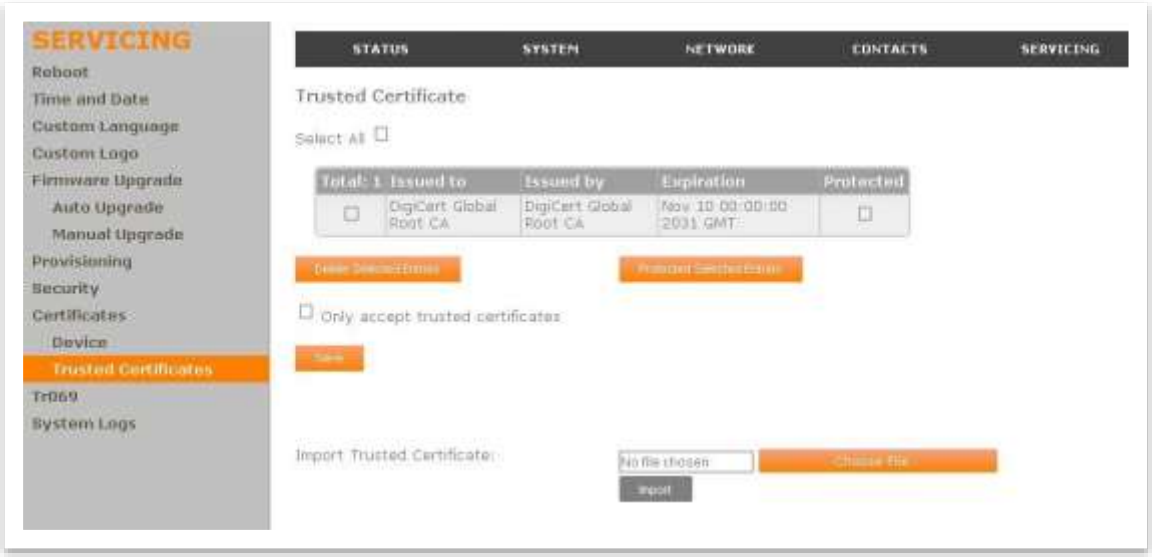
The WUI will indicate whether the certificate in use is the Factory default or your custom one. You can always return to the default Factory certificate.



To upload a device certificate:

1. On the Device Certificate page, click **Choose File**
2. Locate the certificate file and click **Open**
3. On the Device Certificate page, click **Import.**

Trusted Certificates



On the Trusted Certificate page, you can:

Import up to 20 trusted certificates.

Delete individual (or all) certificates.

Protect certificates by selecting them in the Protected column, and then clicking **Protect Selected Entries**. Protected certificates cannot be selected for deletion and are not removed during a reset to factory defaults.

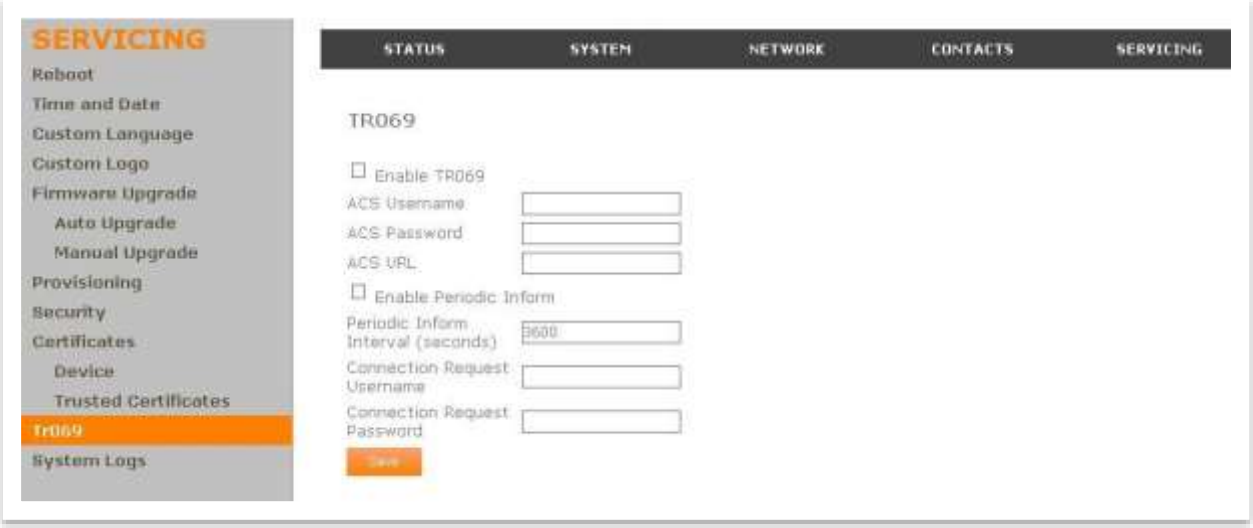
Select **Only accept trusted certificates** to enable server authentication. Deselecting this option disables server authentication.

Please check section "file" Module on page 230 for more details on other actions you can perform with certificates using configuration files.

TR069

This section applies to models **Temporis IP151, IP251G, IP301G, IP701G and Alcatel IP2115**.

The Broadband Forum's Technical Report 069 (TR-069) defines a protocol for remote management and secure auto-configuration of compatible devices. On the TR069 page, you can enable TR-069 and configure access to an auto-configuration server (ACS).



Setting	Description	Range	Def
Enable TR069 `tr069.enable`	Enable/Disable TR-069 subsystem.	1:Enabled 0:Disabled	0
ACS Username `tr069.acs.username`	User name used for ACS authentication	string	blank
ACS Password `tr069.acs.password`	Password used for ACS authentication.	string	blank
ACS URL `tr069.acs.url`	URL used to contact the ACS (for example, http://my.acs:9675/path/to/somewhere/).	URI	blank
Enable Period Inform `tr069.periodic_inform.enable`	Enable/Disable periodic inform method calls.	1:Enabled 0:Disabled	0

Periodic Inform Interval (seconds) `tr069.periodic_inform.interval`	Periodic inform method calls interval.	1-65535	3600
Connection Request Username `tr069.connection_request.username`	If the ACS wants to communicate with the device, it must offer the matching Connection Request user name. When the device sends the report to ACS for the first time, it contains information for this.	string	blank
Connection Request Password `tr069.connection_request.access_password`	If the ACS wants to communicate with the device, it must offer the matching Connection Request password. When the device sends the report to ACS for the first time, it contains information for this.	string	blank

System Logs

On the System Logs page, you can enter settings related to system logging activities. You can also generate and download network traces.

Syslog Settings

Setting	Description	Range	Default
Enable Syslog `log.syslog_enable`	Enable log output to syslog server.	1: Enabled 0: Disabled	0
Server Address `log.syslog_server_address`	Syslog server IP address.	IPv4	blank
Server port `log.syslog_server_port`	Syslog server port.	0–65535	514
Log Level `log.syslog_level`	Sets the level of logging. The higher the level, the larger the debug output.	5: ALL 4: DEBUG 3: INFO 2: WARNING 1: ERROR 0: CRITICAL	2

After entering the Syslog Settings, click **Save**.

The logging levels are:

CRITICAL: Operating conditions to be reported or corrected immediately (for example, an internal component failure or file system error).
ERROR: Non-urgent failures—unexpected conditions that won't cause the device to malfunction.
WARNING: An indication that an error or critical condition can occur if action is not taken.
INFO: Normal operational messages.

DEBUG: Developer messages for troubleshooting/debugging purposes.

Network Capture

To generate a pcap trace press "Start Capture"

To stop tracing, press "Stop Capture"

To download your capture press "Save to file"

Download Log

To download a copy of the system logs press "Save log to file"

Provisioning Using Configuration Files

Provisioning using configuration files is the quickest way to configure multiple phones. You can place configuration files on a provisioning server, where the phones can retrieve them and update their configuration automatically.

Configuration files have the extension **.cfg** and contain parameters that define various phone settings. To edit a configuration file, open it with a text editor such as Notepad.

Configuration files consist of settings that are grouped into modules. Most of the modules group their settings in the same way that settings are grouped on the WebUI. For example, the "time_date" module contains the same settings that are on the Time and Date WebUI page.

Using the WebUI, you can also import a configuration file and apply the configuration file settings to that phone. For more information, see Provisioning.

An alternative method to configure your phones supported on models IP151, IP251G, IP301G and IP701G is using xml config objects. For more information refer to the XML Framework document.

Resynchronization—Configuration File Checking

You can select a number of options to set when the phone checks for new configuration files. This process of checking for configuration files is called Resynchronization. Resynchronization options are available on the WebUI **Provisioning** page, but you can also include them in a configuration file.

The resynchronization options are:

Mode—sets the phone to check for a configuration file only, a firmware update file only, or both types of file.
Bootup: configuration file checking at reboot is enabled or not
Remote check-sync—enables you to start a resynchronization remotely using your hosted server's web portal. If the update includes settings that require the phone to reboot, the phone will reboot after one minute of inactivity. The Remote check-sync settings are available only in the configuration file, not the WebUI.
Repeatedly, at a defined interval from 0 (disabled) to 65535 minutes (45 days).

The Provisioning Process

The phone's automatic provisioning process is as follows:

1. Find configuration server location. The phone will try to fetch its configuration information from a PNP-fetched url, or from the URLs indicated in the DHCP options (if enabled), following the priority set for opts 66, 159, 160. If the download is not successful, then it will try the fixed url set at "Provisioning server string"
2. Download the configuration files.

   The phone fetches the following two files:

General file: **<model>.cfg**
MAC-specific file: <model>_<MAC Address>.cfg

, where <model> values are as shown in the table below:

Product name	<model>
Temporis IP100	Temporis_IP100
Temporis IP150	Temporis_IP150
Temporis IP300	Temporis_IP300
Temporis IP700G	Temporis_IP700G
Alcatel IP2015	IP2015
Conference IP1850	IP1850

Thus, for example for Temporis IP300 the files would be Temporis_IP300.cfg and Temporis_IP300_<MACAddress>.cfg

Note: if the url the phone obtains for provisioning file location is a full path including file name, then only this one file download will be attempted.

3. Check updates. The phone maintains a list of the last loaded provisioning files and their digital signature. The phone compares its current configuration against the files it finds on the provisioning server.

4. If any of the changed settings require the phone to restart, the phone restarts.

During provisioning, the phone reads the configuration file and validates each module and setting are validated. The phone considers a setting valid if it is:

a valid data type
formatted as a valid setting
within a valid data range
part of a module that passes an integrity check. That is, the module's settings are consistent and logical. For example, in the "network" module, if DHCP is disabled, but no static IP address is specified, the module will fail the integrity check and none of the settings will apply.

Invalid modules or invalid settings are skipped and logged as ERRORs in the system log, but will not interrupt the provisioning process. The system log will include the module parameters that have not been applied. A recognized module with unrecognized settings will cause all other settings in that module to be skipped.

A successful configuration or firmware update is reported as an INFO message in the system log.

See Appendix A: Configuration File Settings for the options and value ranges available for each configuration file setting.

Phone Restart

If the phone needs to restart after an auto-update, the restart happens only after the phone has been idle for one minute.

To prevent users from delaying the update process, or to avoid phone restarts that might interfere with incoming calls, either set the "repeatedly" resynchronization interval to a suitable period, or upload any new configuration file(s) to your provisioning server after

work hours so that the phones will download the file(s) when there is little or no call activity.

When you update the phone by importing a configuration file using the WebUI, the phone restarts immediately after applying any new settings that require a restart, regardless of whether the phone is idle.

Configuration File Types

The phone is able to retrieve and download two types of configuration file. Depending on your requirements, you may want to make both types of configuration file available on your provisioning server.

The two configuration file types are a general configuration file and a MAC-specific configuration file. The types differ in name only. The formatting of the files' content is identical.

The general configuration file contains settings that are required by all phones in the system.

The MAC-specific configuration file is a file that only a single phone can retrieve. The MAC-specific configuration file name contains a phone's MAC address and can only be retrieved by the phone with a matching MAC address.

The filename formats for both files are:

General file: **<model>.cfg** , e.g. "Temporis_IP150.cfg"
MAC-specific file: <model>_<MAC Address>.cfg

Both the general and MAC-specific files can contain any of the available configuration settings. A setting can appear in the general configuration file or the unit configuration file, or both files, or neither file. If a setting appears in both files, the setting that is read last is the one that applies.

When the phone fetches both a general and a MAC-specific configuration file, the general file is processed first. You can configure a setting for most of your phones in the general file, and then overwrite that setting for just a few phones using the MAC-specific file.

Data Files

The configuration file can also include links to data files other than firmware for product customization.

Link to firmware file is included in the "provisioning" module, and described in Firmware Upgrade section.

Other allowed data types include the following:

Directory (contacts, blacklist) in xml format
Certificates (server, provisioning, LDAP, Broadsoft) in pem format
Audio profile in xml format
Customized boot up and idle screen logo files in .bmp format

Links to data files are in the configuration file's "file" module. This is where you enter any URLs to the data files you require.

NOTE: The audio profile file is already in place and should only be customized for localization purposes, according to internationally accepted guidelines.

None of these settings are exported when you export a configuration file from the phone. However, you can export a Directory or Blacklist .xml file using the WebUI. After modifying the .xml file, you can use the configuration file "file" module to have the phone import the new file. For a complete list of data file parameters, see chapter

"audio" Module: Audio Settings

The audio settings include jitter buffer parameters and RTP port settings. These configuration items affect only models in Group C, and each account is configured independently

Setting	Description	Applic.	Range	Default
audio.x.jitter_mode	Select the desired mode for the jitter buffer: fixed (static) or adaptive. This setting depends on your network environment and conditions.	Group C	fixed, adaptive	adaptive
audio.x.fixed_jitter.delay	Name associated to this memory key. When in fixed jitter buffer mode, set the delay (in ms) desirable to provide good audio quality with the minimal possible delay	Group C	30-500	70
audio.x.adaptive_jitter.min_delay	When in adaptive jitter buffer mode, set the minimum delay (in ms) desirable to maintain data packet capture and audio quality.	Group C	20-250	60
audio.x.adaptive_jitter.target_delay	When in adaptive jitter buffer mode, set the target delay (in ms) desirable to provide good audio quality with the minimal possible delay.	Group C	20-500	80
audio.x.adaptive_jitter.max_delay	When in adaptive jitter buffer mode, set the maximum delay (in ms) desirable to maintain data packet capture and audio quality.	Group C	180-500	240
audio.x.rtp.port_start	Sets the Local RTP port range start.	Group C	1-65535	18000
audio.x.rtp.port_end	Sets the Local RTP port range end.	Group C	1-65535	19000

audio.x.rtcp_xr.enable	Enables or disables reporting of RTCP XR via SIP to a collector server. RTP Control Protocol Extended Reports (RTCP XR) are used for voice quality assessment and diagnostics.	Group C	0:disabled 1:enabled	0

"file" Module: Imported File Settings on page 230.

Configuration File Guide

All configuration settings are initially stored in a configuration template file. Copy, rename, and edit the template file to create a general configuration file and the MAC-specific configuration files you will need. You can store the general configuration file and the MAC-specific files on your provisioning server.

Do not modify the header line that includes the model and firmware version.

Note empty parameters will not overwrite values stored in the phone. To delete the content of a parameter use the value %NULL.

To save yourself time and effort, consider which settings will be common to all (or the majority of) phones. Such settings might include Call settings, language, and programmable feature key settings. You can then edit those settings in the configuration template and save it as the general configuration file. The remaining settings will make up the MAC-specific configuration file, which you will have to copy and edit for each phone.

Guidelines for the MAC-Specific Configuration File

The phone downloads the MAC-specific configuration file after the Main configuration file. You must create a unit-specific configuration file for each phone in your system. The file name must contain the phone's MAC address, which is printed on a label on the back of the phone, or available on the **MENU > Status > Product Info** screen. For example, an IP2015 DECT base with the MAC address of 74:65:D1:16:12:34 would download the **IP2015_7465D1161234.cfg** file.

The MAC-specific configuration file contains settings intended exclusively for that phone. Such settings will include SIP account settings such as display name, user ID, authentication ID, and voicemail mailbox ID.

Securing Configuration Files with AES Encryption

You can encrypt your configuration files to prevent unauthorized users modifying the configuration files. The system encrypts files using the AES 256 algorithm. After encrypting a file and placing it on your provisioning server, you can enable the phone to decrypt the file after fetching it from the server.

To decrypt a configuration file you will need a 16-character AES key that you specified when you encrypted the file. The key (or passphrase) is limited to 16 characters and supports special characters **~^`%!&-_+=|.@*:;,?()[]{}<>/\#** as well as spaces.

Note: The encryption of configuration files is supported only for the auto provisioning process. Encrypt files only if you intend to store them on a provisioning server. Do not encrypt files that you intend to manually import to the phone. You cannot enable decryption for manually imported configuration files.

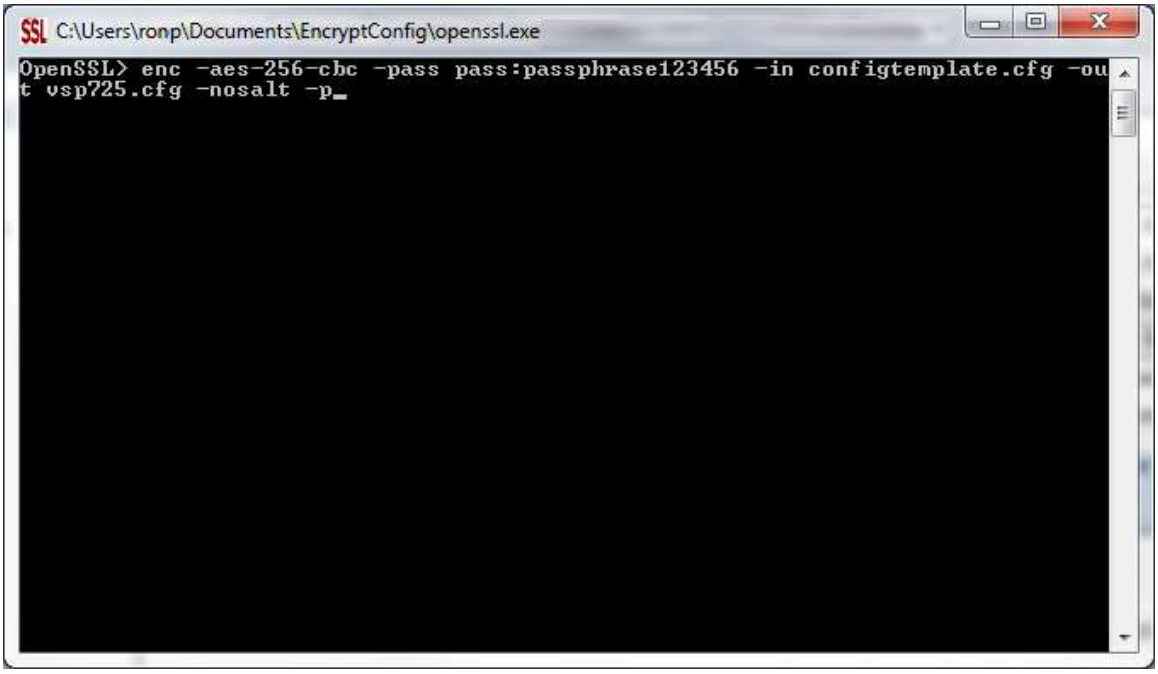
To encrypt a configuration file:

You can use for example an open source tool such as Openssl, which can be downloaded from the Openssl project site. If this is the case, proceed as follows.

1. (Optional) Place your configuration file in the same folder as the openssl.exe file. If the configuration file is not in the same folder as the openssl.exe file, you can enter a relative pathname for the [infile] in the next step.
2. On the openssl command line, type:

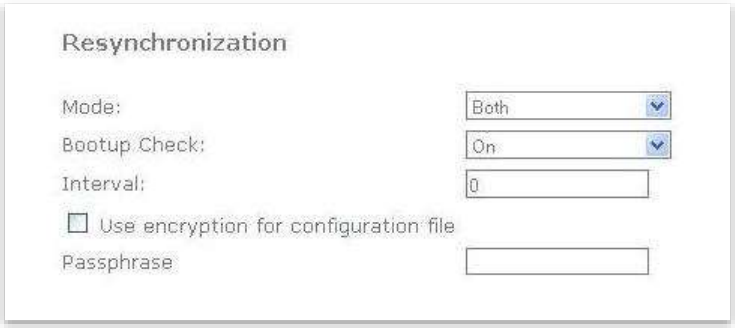
   enc -aes-256-cbc -pass pass:[passphrase123456] -in [infile] -out [outfile] -nosalt -p

Elements in brackets are examples—do not enter the brackets. Enter a 16-character passphrase and the unencrypted configuration file filename (the "infile") and a name for the encrypted file ("outfile") that will result.



To enable configuration file decryption via WUI:

1. On the WebUI, click **Servicing > Provisioning**.
2. On the Provisioning page under **Resynchronization**, select **Use Encryption for configuration file**.



3. Enter the 16-character passphrase that you created when you encrypted the configuration file.
4. Click **Save**.

Note: You must ensure that configuration files are encrypted when enabling AES Encryption. Decrypting an unencrypted file will result in a garbage file that is not processed. This will also be logged as an error in the system log.

Setting Up Provisioning

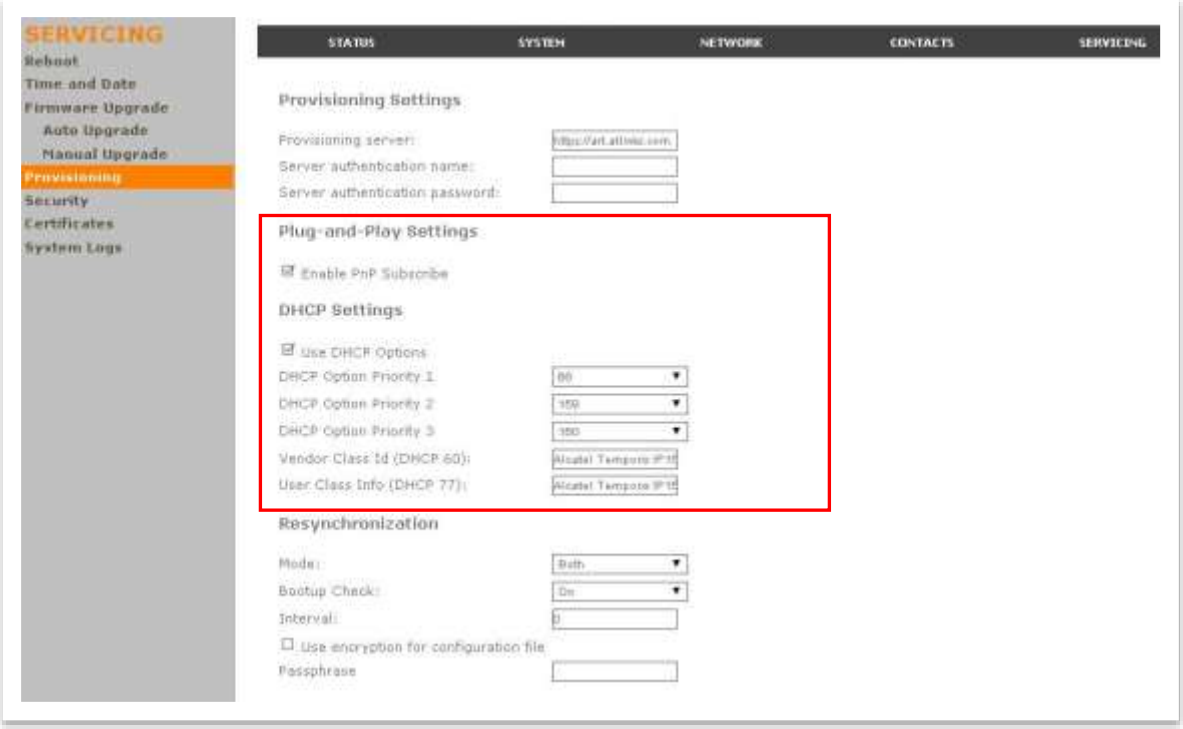
Set up your provisioning server and folders for provisioning files. The general and unit configuration files should be in the same folder. Note the IP address, username and password for access to the folder on the provisioning server.

The Provisioning Server Settings will enable the phone to find the general configuration file. In most cases, default settings will make automatic provisioning possible out of the box without any further action on the phone.

The phone will try first to use PnP SUBSCRIBE to fetch configuration file location information. This mechanism is used by several PBXs in the market.

Secondly it will try to retrieve configuration files location from the different DHCP options, according to their priority. Options 66, 159 and 160 are supported, and either http, https or tftp urls are accepted here.

If the phone does not succeed to find its configuration files in the urls provided in those options, then the Server provisioning string will be used. The default value for this server again allows plug and play automatic provisioning. Check with your distributor to find out how to benefit from APRT service.



If none of these default settings suit your environment, you may have to fill in the server type and address (including a full path to the general configuration file), port, username and password.

Note you can modify Provisioning Server Settings via configuration files; so you could use default settings to perform a first provisioning which rewrites these values to suit your production needs.

Please note also you can decide which of these methods will be used or not in next provisioning sequences and customize them. PnP and DHCP options can be disabled, and DHCP options priority can be changed, both using the WUI and configuration files. Check the appendix for more details.

Soft Keys

Desktop phone soft keys

The table below provides an alphabetical list of the labels that appear above the desktop phones soft keys.

Label	Description
abc/ABC/123 αβγ/ΑΒΓ абг/АБГ	Selects the format for text input
Add	Displays the new directory group editor
AddCall	Add a call to a network conference
Add dot	Enters dot in IP editing field
Answer	Answers an incoming call
Back	Shows the previous screen
Backspc	Moves cursor back to correct entries in text editing fields
Blind	Starts the blind transfer process for the active call
Bridge	Joins the two active calls in a conference and returns to idle screen
Call Log	Displays Call History menu
Callback	Dials the last missed caller
CallFwd	Displays Call forward menu
Cancel	Quits the current page without saving any settings
CFNA	Displays Call Forward on No answer menu for the default account
cfwdB	Displays Call Forward on Busy menu for the default account
Clear	Delete
Conf.	Opens the live dialing editor to enter or insert digits for the conference target. Also finally sets up the conference.
ConfCall	Displays a list of held calls as a target for conferencing with the active call. Once selected remember to press Conf. again to set up the conference
Del. All	Deletes all records in a list

Delete	1) Deletes current entry 2) Deletes assignment 3) Deletes Directory group
Dial	Sends and dials currently displayed/highlighted digits
Dir	Changes the speed dial directory source
Directory	Opens the list of available directories
DirPickup	Launches a directed pickup on the default account
DND	Displays DND menu
Done	Confirm
Edit	Go to entry/group editor
EditDial	Edits a number stored in a list before dialing
End	1) Closes the current page 2) Ends the current call
Exit	Exits the current screen and returns to the previous menu
Filter	Sorts the directory by all entries, blocked, or non-blocked numbers
FirstNme	Sorts the directory by first name
Forward	Opens the predial editor to begin forwarding a call
FwdAll	Displays Call Forward All menu for the default account
Insert	Inserts a number from the directory/call history to a live dialing screen
Intercom	Launch an intercom call to a target extension
LastNme	Sorts the directory by last name
Line	Switches between registered lines
MultiPage	Launches a Multicast page
New	Press to predial a new call during a call currently put on hold
No	Returns to the previous screen
OK	Confirm
Page	Launch an intercom call to a target extension
Paging	Launches a Multicast page
Park	Park an active call
PC SPK	For Conference IP1850, switch to PC audio device mode. Requires USB connection.

Priv Hold	For Broadsoft environments, put a call on a shared line in private hold mode
Redial	Access the dialed calls list
Reject	Rejects an incoming call
Resume	Resumes a call put on hold
Save	1) Saves current setting 2) Begins save process
Search	Opens the Directory search editor
Select	Selects a highlighted option
Settings	Opens the User settings menu
Silence	1) Silences ringer 2) Stops current call screening 3) Silences chime tone
Split	Breaks a conference or call transfer in progress into multiple calls
Status	Access the status submenu
Transfer	Opens the live dialing editor to enter or insert digits of the transfer target.
Transf	Completes a transfer.
Type	Switches between the Directory number types within an entry
View	Displays a database/list
XferCall	Displays a list of held calls as a transfer target for the active call. Once a call selected, remember to press Transf to complete the transfer
Yes	Confirm

IP15 cordless handset soft keys

The table below provides an alphabetical list of the labels that appear above IP15 cordless handset soft keys.

Label	Description
ADD	Add an entry
ANSWER	Answers an incoming call
BACK	Shows the previous screen
BACKSP	Backspace in text editing fields
BASE	Selects IP2015 as the target for a handset registration (vs DESKSET)
BLIND	Starts the blind transfer process for the active call
CANCEL	Quits the current page without saving any settings
CLEAR	Delete
CONF.	Confirms a conference should be set up with the two active calls
DEL	1) Deletes current entry 2) Deletes assignment
DEL ALL	Deletes all records in a list
DELETE	1) Deletes current entry 2) Deletes assignment
DESKSET	Selects a desk set as the target for a handset registration (vs BASE)
DIAL	Sends and dials currently displayed/highlighted digits via a new call
EDIT	Modify content
END	Finalize a call, hang up
ENTER	Access a submenu
INSERT	Chain dialing of a directory number during a call
INT	Intercom
LINE	Enters into the line submenu
MENU	Enters into main menu
NEXT	Toggles to the next call or step in a sequential process
NO	Previous screen

OFF	Turns ringer vol. bar empty
OK	Returns to previous screen
OPTION	Enters into the action list of a directory folder
REJECT	Rejects an incoming call
RESUME	Resumes a SIP session put on hold
REVIEW	Enters into a database/list
SAVE	Save a setting or a directory entry
SEARCH	Begins Dir searching
SELECT	Selects an option
SET	Save a setting
SILENCE	Silence ringer
STOP	Stop paging of the BS to HS
TRANS.	Confirms a call transfer.
TYPE	Toggles among the Directory number types within an entry
UNLOCK	Shows the keypad unlock prompt
VIEW	See content
YES	Confirm

ALCATEL
home & business phones

Appendix A: Configuration File Settings

This section lists the available options for all the settings within the configuration file. Most settings in the configuration file have an equivalent in the WebUI (see the settings tables in Using the WebUI on page 86). Some parameters are not available on the WUI, and in others the syntax is different as already documented in previous sections.

The settings are divided into modules. Each module loosely corresponds to a page on the WebUI. You may wish to reorganize the modules within the configuration file itself. The configuration file settings can be listed in any order, and the configuration file will still be valid.

The modules included in the configuration file are:

"sip_account Module: SIP Account Settings" on page 207

"hs_settings Module: Handset Settings" on page 240

"network Module: Network Settings" on page 212

"provisioning Module: Provisioning Settings" on page 214

"time_date Module: Time and Date Settings" on page 216

"remoteDir Module: Remote Directory Settings" on page 218

"web Module: Web Settings" on page 219

"trusted_ip Module: Trusted Server and Trusted IP Settings" on page 220

"call_settings Module: Call Settings" on page 223

"pfk Module: Programmable Feature Key Settings" on page 225

"speed_dial Module: Speed Dial Settings" on page 228

"audio Module: Audio Settings" on page 229

"ringersetting Module: Distinctive Ringer Settings" on page 237

"file Module: Imported File Settings" on page 230

"xml_app Module: XML App Settings" on page 232

"system_event Module: Action URI Settings" on page 233

"tr069 Module: TR-069 Settings" on page 234

"softkey Module: Custom Soft Key Settings" on page 239.

Parameters may not be applicable to all models. Use "Applicability" column to check if a parameter is valid for your phone.

All: applicable to all models

Group B: Temporis IP100, IP150, IP300, IP700G; Alcatel IP2015; Conference IP1850

Group C: Temporis IP151, IP251G, IP301G, IP701G; Alcatel IP2115

Group D: Temporis IP151, IP251G, IP301G, IP701G

"sip_account" Module: SIP Account Settings

The SIP Account settings enable you to set up individual accounts for each user. You can add up to three accounts for each phone. Each account requires you to configure the same settings. The SIP account settings for each account would be identified by their own account number, from 1 to 2.

For example, for account 1 you would set:

```
sip_account.1.sip_account_enable = 1
sip_account.1.display_name = 1001
sip_account.1.user_id = 2325551001
```

and so on.

For account 2, you would set:

```
sip_account.2.sip_account_enable = 1
sip_account.2.display_name = 1002
sip_account.2.user_id = 2325551002
```

and so on.

The SIP account settings follow the format: sip_account.x.[element], where x is an account number ranging from 1 to 2.

All these settings are exported when you manually export the configuration from the phone, although password content will not; just the name space.

Setting	Description	Applicab.	Range	Default
sip_account.x.sip_account_enable		All	0, 1	0
sip_account.x.label		All	Text string	Blank
sip_account.x.display_name		All	Text string	Blank
sip_account.x.user_id		All	Text string	Blank
sip_account.x.authentication_name		All	Text string	Blank
sip_account.x.authentication_access_password		All Note 1	Text string	Blank
sip_account.x.dial_plan	See Dial Plan section	All	Text string	x+P
sip_account.x.call_restrict_dial_plan		Group C	Text string	Blank
sip_account.x.emergency_dial_plan		Group C	Text string	Blank
sip_account.x.inter_digit_timeout		All	1-10	3
sip_account.x.maximum_call_number		All	1-10	6

			(model dep)	
sip_account.x.shared_line_enable		All	0, 1	0
sip_account.x.barge_in_enable		All	0, 1	0
sip_account.x.auto_answer_enable		All	0, 1	0
sip_account.x.auto_answer_during_active_call		All	0, 1	0
sip_account.x.cid_src_priority.1		Group C	pai, rpid, from	pai
sip_account.x.cid_src_priority.2		Group C	pai, rpid, from	rpid
sip_account.x.cid_src_priority.3		Group C	pai, rpid, from	from
sip_account.x.feature_sync_enable		All	0, 1	0
sip_account.x.server_side_ctrl_variant		Group C	default, comverse	default
sip_account.x.music_on_hold_enable		All	0, 1	1
sip_account.x.mwi_enable		All	0, 1	0
sip_account.x.mwi_ignore_unsolicited		All	0, 1	0
sip_account.x.mwi_uri		All	sip uri	Blank
sip_account.x.mwi_subscription_expires		All	0-65535	3600
sip_account.x.stutter_dial_tone_enable		All	0, 1	1
sip_account.x.voice_encryption_enable		All	0, 1	0
sip_account.x.primary_sip_server_port		All	0-65535	5060
sip_account.x.primary_sip_server_address		All	IPv4 or fqdn	Blank
sip_account.x.primary_outbound_proxy_server_port		All	0-65535	5060
sip_account.x.primary_outbound_proxy_server_address		All	Ipv4 or fqdn	Blank
sip_account.x.primary_registration_server_port		All	0-65535	5060
sip_account.x.primary_registration_server_address		All	Ipv4 or fqdn	Blank
sip_account.x.primary_registration_expires		All	0-65535	3600
sip_account.x.use_register_route_header		Group C	0, 1	1

sip_account.x.access_code_page		All	Text string	Blank
sip_account.x.access_code_park_call		All	Text string	Blank
sip_account.x.access_code_retrieve_parked_call		All	Text string	Blank
sip_account.x.access_code_retrieve_voicemail		All	Text string	Blank
sip_account.x.access_code_dnd_on		All	Text string	Blank
sip_account.x.access_code_dnd_off		All	Text string	Blank
sip_account.x.access_code_cfa_on		All	Text string	Blank
sip_account.x.access_code_cfa_off		All	Text string	Blank
sip_account.x.access_code_cfna_on		All	Text string	Blank
sip_account.x.access_code_cfna_off		All	Text string	Blank
sip_account.x.access_code_cfb_on		All	Text string	Blank
sip_account.x.access_code_cfb_off		All	Text string	Blank
sip_account.x.access_code_anonymous_call_block_on		All	Text string	Blank
sip_account.x.access_code_anonymous_call_block_off		All	Text string	Blank
sip_account.x.access_code_outgoing_call_anonymous_on		All	Text string	Blank
sip_account.x.access_code_outgoing_call_anonymous_off		All	Text string	Blank
sip_account.x.access_code_call_waiting_on		All	Text string	Blank
sip_account.x.access_code_call_waiting_off		All	Text string	Blank
sip_account.x.access_code_group_call_pickup		All	Text string	Blank
sip_account.x.access_code_direct_call_pickup		All	Text string	Blank
sip_account.x.access_code_hg_on		Group D	Text string	Blank

sip_account.x.access_code_hg_off		Group D	Text string	Blank
sip_account.x.access_code_sf_on		Group D	Text string	Blank
sip_account.x.access_code_sf_off		Group D	Text string	Blank
sip_account.x.blf_list_uri		All	Sip uri	Blank
sip_account.x.blf_remote_pickup_code		All	Text string	Blank
sip_account.x.blf_subscription_expires		All	15-65535	3600
sip_account.x.nat_traversal_stun_enable		All	0, 1	0
sip_account.x.nat_traversal_stun_server_port		All	0-65535	3478
sip_account.x.nat_traversal_stun_server_address		All	Ipv4 or fqdn	Blank
sip_account.x.nat_traversal_stun_keep_alive_enable		Group C	0, 1	1
sip_account.x.nat_traversal_stun_keep_alive_interval		Group C	0-65535	30
sip_account.x.nat_traversal_udp_keep_alive_enable		Group B	0, 1	0
sip_account.x.nat_traversal_udp_keep_alive_interval		Group B	0-65535	30
sip_account.x.keep_alive_enable		Group C	0, 1	0
sip_account.x.keep_alive_interval		Group C	1-3600	15
sip_account.x.keep_alive_ignore_failure		Group C	0, 1	1
sip_account.x.network_conference_enable		All	0, 1	0
sip_account.x.network_bridge_uri		All	sip uri	Blank
sip_account.x.sip_session_timer_enable		All	0, 1	0
sip_account.x.sip_session_timer_min		All	90-65535	90
sip_account.x.sip_session_timer_max		All	0-65535	1800
sip_account.x.dtmf_transport_method	Sets the transport method for DTMF signalling.	All	Auto, rfc2832, in-band, info-method	auto
sip_account.x.dtmf_payload_type		Group C	96-127	101
sip_account.x.codec_priority.y y = 1 to 5 for Group B		All	G.711a, G.711u, G.729, G.726, G.722,	

y = 1 to 7 for Group C			ilbc (Group C)	
sip_account.x.blf_variant		All	default, avaya, extended_blf, metaswitch, freeswitch	default
sip_account.x.unregister_after_reboot_enable	Unregister after reboot enable	All	0, 1	0
sip_account.x.transport_mode	Signalling Transport Mode	All	''udp'', ''tcp'', ''tls''	''udp''
sip_account.x.backup_outbound_proxy_server_port		All	0-65535	5060
sip_account.x.backup_outbound_proxy_server_address		All	IPv4 or fqdn	Blank
sip_account.x.registration_retry_time		All	1-1800	10
sip_account.x.local_sip_port	Local SIP port	All	0-65535	Line 1: 5060 Line 2: 5070 etc
sip_account.x.dscp	Voice Quality of Service Layer 3 - DSCP	All	6-bit value	46
sip_account.x.sip_dscp	Signalling Quality of Service Layer 3 - DSCP	All	6-bit value	26
sip_account.x.check_trusted_certificate	See Certificates section	All	0,1	0
sip_account.use_first_trusted_certificate_for_all	See Certificates section		0,1	0
sip_account.x.normal_jitter		Group B	0-255	80
sip_account.x.g729_annexb_enable		All	0, 1	0
sip_account.x.park_variant		All	broadsoft, asterisk	broadsoft
sip_account.x.preferred_ptime		All	10, 20, 30, 40, 50, 60	20
sip_account.x.call_rejection_response_code		All	480, 486, 603	486

"network" Module: Network Settings

The network settings follow the format: network.[element].

These settings can be exported when you manually export the configuration from the phone, except for the settings shaded in gray in the table.

Setting	Description	Applicab.	Range	Default
network.ip.dhcp_enable	Indicates whether DHCP is enabled	Group B	0, 1	1
network.ip.mode	ipv4 mode	Group C	disable, dhcp, static, pppoe	dhcp
network.ip.dns1	Primary DNS server address	All	IPv4	blank
network.ip.dns2	Secondary DNS server address	All	Ipv4	blank
network.ip.static_ip_addr	Static IP address	All	Ipv4	blank
network.ip.subnet_mask	Subnet mask	All	Ipv4	blank
network.ip.gateway_addr	Gateway IP address	All	Ipv4	blank
network.ip.manually_configure_DNS		Group C	0, 1	0
network.ip.pppoe.username		Group C	String	blank
network.ip.pppoe.access_password		Group C	String	blank
network.ip.pppoe.service_name		Group C	String	blank
network.ip6.mode		Group C	disable, static, auto	disable
network.ip6.prefix		Group C	0-128	64
network.ip6.gateway_addr		Group C	ipv6	blank
network.ip6.manually_configure_dns		Group C	0, 1	0
network.ip6.dns1		Group C	ipv6	blank
network.ip6.dns2		Group C	ipv6	blank
network.ip.dns_cache_clear_timeout	Time in minutes to refresh dns lookup table for the sip application. '0' to remove all caching and perform a dns lookup for every outgoing request and response (ttl=0 emulation)	Group B	0-1440	60
network.nat.masquerading_enable	Enable IP masquerading	Group B	0, 1	0

network.nat.public_ip_addr	Public IP address	Group B	Ipv4	blank
network.nat.public_sip_port	Public SIP port	Group B	0-65535	5060
network.nat.public_rtp_port_start	Public RTP port start	Group B	0-65535	18000
network.nat.public_rtp_port_end	Public RTP port end	Group B	0-65535	19000
network.vlan.wan.enable	Enable vlan on WAN port	All	0, 1	0
network.vlan.wan.id	WAN port VID	All	0-4095	0
network.vlan.wan.priority	WAN vlan port priority	All	0-7	0
network.vlan.pc.enable	Enable vlan on PC port	All	0, 1	0
network.vlan.pc.id	PC port VID	All	0-4095	0
network.vlan.pc.priority	PC vlan port priority	All	0-7	0
network.rtp.port_start	Local RTP port range start	Group B	0-65535	18000
network.rtp.port_end	Local RTP port range end	Group B	0-65535	19000
network.lldp_med.enable	LLDP-MED enable	All	0, 1	1
network.lldp_med.interval	LLDP-MED packet interval (seconds)	All	1-30	30
network.eapol.enable	802-1x EAPOL enable	All	0, 1	0
network.eapol.identity	802-1x EAPOL identity	All	string	blank
network.eapol.access_password	802-1x EAPOL MD5 password	All	string	blank
network.vendor_class_id	Vendor Class ID (DHCP option 60)	All	string	Model dependent
network.user_class	User Class (DHCP option 77)	All	string	Model dependent
network.pc_port.enable		Group D	0, 1	1
network.pc_port.mirroring.enable		Group D	0, 1	0
network.vpn.enable		Group C	0, 1	0

"profile" Module: security settings

The profile settings follow the format: profile.[element].

These settings are not exported when you manually export the configuration from the phone; only their namespaces are.

Setting	Description	Range	Default
profile.admin.access_password	Password for admin	string	admin
profile.user.access_password	Password for user	string	user

"provisioning" Module: Provisioning Settings

The provisioning settings follow the format: provisioning.[element].

All these settings are exported when you manually export the configuration from the phone.

Setting	Description	Applic.	Range	Default
provisioning.bootup_check_enable	Enable bootup check	All	0, 1	1
provisioning.crypto_enable	Enable cryptography	All	0, 1	0
provisioning.crypto_passphrase	Passphrase to decode encrypted config file	All	string	Blank
provisioning.dhcp_option_enable	Enable DHCP option	All	0, 1	1
provisioning.dhcp_option_priority_1	DHCP option priority 1	All	0, 66, 159, 160	66
provisioning.dhcp_option_priority_2	DHCP option priority 2	All	0, 66, 159, 160	159
provisioning.dhcp_option_priority_3	DHCP option priority 3	All	0, 66, 159, 160	160
provisioning.firmware_url	Firmware URL	All	string	Blank
provisioning.handset_firmware_url	URL for DECT handset Firmware	All DECT enabled	string	Blank
provisioning.fw_server_username	Authentication username for firmware download	All	String	Blank
provisioning.fw_server_access_password	Authentication password for firmware download. Value not exported	All	string	Blank
provisioning.resync_mode	Resync mode	All	config_only, firmware_only,	config_and_firmware

			config_and_firmware	
provisioning.resync_time	Minutes between checks for new firmware and/or configuration file	All	0-65535	0
provisioning.schedule_mode		All	disable, interval, weekday	disable
provisioning.weekdays	Days for which provisioning should take place.	All	List of comma delimited integers, 0 to 6	blank
provisioning.weekdays_start_hr		All	0-23	0
provisioning.weekdays_end_hr		All	0-23	0
provisioning.server_address	Server address for configuration download	All	string	https://art.atlinks.com
provisioning.server_username	Authentication username for configuration download	All	string	blank
provisioning.server_access_password	Authentication password for configuration download Value not exported	All	string	blank
provisioning.check_trusted_certificate	Require trusted certificate for https provisioning	All	0,1	0
provisioning.click_to_dial	Enable click-to-dial from WUI contacts page	All	0,1	1
provisioning.remote_check_sync_enable	Enable provisioning start via NOTIFY check-sync	All	0,1	1
provisioning.pnp_enable	Enable pnp discovery mechanism for configuration file fetch url	All	0, 1	1
provisioninp.pnp_response_timeout	Time in seconds PnP subscription will be attempted before giving up	All	1-60	10

"time_date" Module: Time and Date Settings

The time and date settings follow the format: time_date.[element].

All these settings are exported when you manually export the configuration from the phone.

Setting	Description	Applicab.	Range	Default
time_date.date_format	Format for displaying the date	All	DD/MM/YY, MM/DD/YY, YY/MM/DD	DD/MM/YY
time_date.24hr_clock	Enable 24-hour clock format	All	0, 1	1
time_date.ntp_dhcp_option	Enable NTP server DHCP option (opt 42)	All	0, 1	0
time_date.ntp_server	Enable NTP server	All	0, 1	1
time_date.ntp_server_addr	Address of NTP server	All	IPv4 or fqdn	europe.pool.ntp.org
time_date.ntp_server_update_interval	Delay between NTP server updates, in seconds	All	0 - 4294967295	1000
time_date.timezone_dhcp_option	Enable time zone DHCP option (2/100/101)	All	0, 1	0
time_date.selected_timezone	Set time zone	All	Please see Appendix B	Europe/Paris
time_date.daylight_saving_auto_adjust		All	0,1	1
time_date.daylight_saving_user_defined		All	0, 1	0
time_date.daylight_saving_start_month		All	January - December	March
time_date.daylight_saving_start_week		All	1-5	2
time_date.daylight_saving_start_day		All	"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"	Sunday

time_date.daylight_saving_start_hour		All	00:00 - 23:00	02:00
time_date.daylight_saving_end_month		All	"January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December"	November
time_date.daylight_saving_end_week		All	1-5	1
time_date.daylight_saving_end_day		All	"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"	Sunday
time_date.daylight_saving_end_hour		All	00:00 - 23:00	02:00
time_date.daylight_saving_amount	DST offset in minutes	All	0-255	60

"log" Module: Log Settings

The log settings control system logging activities.

The log settings follow the format: log.element.

These settings can be exported when you manually export the configuration from the phone.

Setting	Description	Applicab.	Range	Default
log.syslog_enable	Enable log output to syslog server	All	0, 1	0
log.syslog_level	Log level. The higher the level, the larger the debug output. 5-all 4-debug 3-info 2-warning	All	0-5	2

	1-error 0-critical			
log.syslog_server_address	Syslog server IP address	All	IPv4	blank
log.syslog_server_port	Syslog server port	All	0-65535	514

"remoteDir" Module: Remote Directory Settings

The remote directory settings follow the format: remoteDir.element.

All these settings are exported when you manually export the configuration from the phone.

Setting	Description	Applic.	Range	Default
remoteDir.ldap_enable	Enable/disable LDAP	All	0,1	0
remoteDir.ldap_directory_name	LDAP directory name	All	String	Blank
remoteDir.ldap_number_filter	LDAP number filter	All	String	Blank
remoteDir.ldap_firstname_filter	LDAP first name filter	All	String	Blank
remoteDir.ldap_lastname_filter	LDAP last name filter	All	String	Blank
remoteDir.ldap_server_address	LDAP server address	All	IPv4 or fqdn	blank
remoteDir.ldap_port	LDAP server port	All	0-65535	389
remoteDir.ldap_authentication_type	LDAP authentication type	All	simple, ssl	simple
remoteDir.ldap_base	LDAP base	All	String	Blank
remoteDir.ldap_user_name	LDAP user name	All	String	Blank
remoteDir.ldap_access_password	LDAP password	All	String	Blank
remoteDir.ldap_max_hits	LDAP maximum hits	All	0-65535	200
remoteDir.ldap_firstname_attribute	LDAP first name attribute	All	String	Blank
remoteDir.ldap_lastname_attribute	LDAP last name attribute	All	String	Blank

remoteDir.ldap_work_number_attributes	LDAP work number attributes	All	String	Blank
remoteDir.ldap_mobile_number_attributes	LDAP mobile number attributes	All	String	Blank
remoteDir.ldap_other_number_attributes	LDAP home number attributes	All	String	Blank
remoteDir.ldap_protocol_version	LDAP protocol version	All	version_2, version_3	version_3
remoteDir.ldap_search_delay	LDAP search delay	All	0-500	0
remoteDir.ldap_incall_lookup_enable	LDAP incoming call lookup	All	0,1	0
remoteDir.ldap_outcall_lookup_enable	LDAP outgoing call lookup	All	0,1	0
remoteDir.ldap_check_certificate	Require certificate for ssl LDAP	All	0,1	0
remoteDir.broadsoft_enable	Enable/disable Broadsoft directory	All	0,1	0
remoteDir.broadsoft_display_name	Broadsoft display name	All	String	Blank
remoteDir.broadsoft_server	Broadsoft server	All	IPv4 or fqdn	Blank
remoteDir.broadsoft_port	Broadsoft server port	All	0-65535	0
remoteDir.broadsoft_user_name	Broadsoft user name	All	String	Blank
remoteDir.broadsoft_access_password	Broadsoft password	All	String	Blank
remoteDir.broadsoft_dir_type		All	Group, GroupCommon, Enterprise, EnterpriseCommon, Personal	Group
remoteDir.broadsoft_check_certificate	Require certificate for ssl Broadsoft	All	0,1	0

"web" Module: Web Settings

The web settings control the web server IP, port, and security settings.

The web settings follow the format: web.element.

These settings can be exported when you manually export the configuration from the phone, except for the settings shaded in gray in the table.

Setting	Description	Applicab	Range	Default
web.http_port	Sets the http port for the embedded web server	All	0-65535	80
web.https_port	Sets the https port when https is enabled	All	0-65535	443
web.https_enable	Sets embedded web server to use the https protocol.	All	0, 1	0
web.server_enable	Enables or disables the embedded web server	Group C	0, 1	1
web.activeuri_enable	Enables or disable the phone’s capability to respond to CTI commands through active uris. For more information check with your customer support team.	Group D	0, 1	0

“trusted_ip” Module: Trusted Server and Trusted IP Settings

The trusted_ip settings provide enhanced security for your phone. When enabled, these settings can filter network traffic and reject any traffic from unauthorized sources.

The trusted_ip settings follow the format: trusted_servers.[element].These settings can be exported when you manually export the configuration from the phone.

Setting	Description	Applic.	Range	Default
trusted_ip.only_accept_sip_account_servers	Enables or disables using each enabled account's Registration server, SIP server, Outbound Proxy server and Backup Outbound Proxy server as sources for trusted SIP traffic.	Group C	0:disabled 1:enabled	0
trusted_ip.only_accept_allowed_ip	Enables or disables using the Allowed IP list to filter network traffic. When enabled, all unsolicited IP traffic will be blocked unless it is from one of the trusted IP addresses on the "Allowed IP" list.	Group C	0:disabled 1:enabled	0
trusted_ip.x.allow_ip	Enter an IP address or address range for one instance of the ‘‘Allowed IP’’ list. x ranges from 1 to 10. See ‘‘Trusted IP’’	Group C	Text string (IPv4 or IPv6, IP range in IPv4 or IPv6)	Blank

	on page 185 for more information.			

"user_pref" Module: User Preference Settings

The user settings are accessible to the phone user. These settings are useful for initial setup. You may wish to remove these settings from auto-provisioning update files so that users do not have their own settings overwritten.

The user preference settings follow the format: user_pref.element.

All these settings are exported when you manually export the configuration from the phone.

Setting	Description	Applic.	Range	Default
user_pref.language	Phone User Interface language	All	en, es, fr, de, it, pt, nl, ru, el, tk, pl	en
user_pref.web_language	WUI language	All	en, es, fr, de, it, pt, nl, ru, el, tk, pl	en
user_pref.lcd_contrast	LCD contrast	All	1-7	4
user_pref.backlight	Backlight level in non idle mode	All	off, low, medium, high off/on for IP15x	on or high
user_pref.idle_backlight	Idle backlight level	All	off, low, medium, high off/on for IP15x	off
user_pref.backlight_timeout	Backlight timeout in seconds	All	10-60	30
user_pref.idle_to_logo_timeout	Sets the delay (in seconds) before the logo replaces the idle screen	All	0 (disabled)-300	30
user_pref.logo_to_idle_timeout	Sets the delay (in seconds) before the idle screen replaces the logo. This parameter enablees the LCD to cycle between the idle screen and the logo	All	1-300	60
user_pref.absent_timeout	Timeout(sec.) after which live dial will return to idle	All	10-60	30

	without additional dialing digits			
user_pref.text_input_option	Specify the order & available language input option in user edit mode	All	number, uc_western, lc_western, uc_ru, lc_ru, uc_el, lc_el	number, uc_western, lc_western
user_pref.account.x.ringer	Ringer tone for account x, where x is model dependent	All	1-10	1
user_pref.account.x.diversion_display	Enables or disables the display of diversion <name-addr> info (if available) for calls forwarded to account x.	Group C	0, 1	1
user_pref.blf_indication_option	Configures the BLF LED behavior for different service providers. Two options are available, main difference is IDLE (off vs. steady green) and error	All	1, 2	1
user_pref.ringer_volume	Ringer volume	All	0-9 (0 is off)	5
user_pref.speaker_volume	Speaker volume	All	0-9 (0 is off)	5
user_pref.headset_volume	Cordless headset volume	All	0-9 (0 is off)	5
user_pref.handset_volume	Corded handset volume	All	0-9 (0 is off)	5
user_pref.audio_mode	Default audio mode	All	speaker,headset	speaker
user_pref.key_beep_enable	Enable/disable key beeps	All	0, 1	1
user_pref.hold_reminder.enable	Enable/disable hold reminder	All	0, 1	1
user_pref.hold_reminder.interval	Hold reminder interval in seconds	All	10-300	30
user_pref.call_waiting.mode	Call waiting mode	All	enable, reject	enable
user_pref.call_waiting.tone_enable	Enable/disable call waiting tone	All	0, 1	1
user_pref.call_waiting.tone_interval	Call waiting tone interval in seconds	All	10-60	30
user_pref.call_terminated.busy_tone_enable	Enable/disable playing busy tone	All	0, 1	1

	when remote party terminates a call			
user_pref.notify.led.missed_call.enable	Sets how the Message Waiting LED operates. When enabled, the LED turns on for missed calls and new messages. When disabled, the LED turns on for new messages only. Note: This setting is not available on the phone menu or WebUI.	All	0, 1	1
user_pref.quick_transfer	Sets how Quick Dial and BLF Programmable keys shall behave during an active call	Group D	new_call, blind, attended	new_call

"call_settings" Module: Call Settings

The call settings configure data related to a user's call preferences.

All the call settings (except one) follow the format: call_settings.account.x.[element] where x is an account number ranging from 1 to 2.

Setting	Description	Applic.	Range	Default
call_settings.account.x.block_anonymous_enable	Enable/disable anonymous call blocking	All	0, 1	0
call_settings.account.x.outgoing_anonymous_enable	Enable/disable outgoing anonymous calls	All	0, 1	0
call_settings.account.x.dnd_enable	Enable/disable Do Not Disturb	All	0, 1	0
call_settings.account.x.dnd_incoming_calls	Show or reject incoming calls if DND is on	All	show, reject	reject
call_settings.account.x.call_fwd_always_enable	Enable/disable call forward always	All	0, 1	0
call_settings.account.x.call_fwd_always_target	Target number for call forward always	All	String	Blank
call_settings.account.x.call_fwd_busy_enable	Enable/disable call forward busy	All	0, 1	0
call_settings.account.x.call_fwd_busy_target	Target number for call forward busy	All	String	Blank
call_settings.account.x.cfna_enable	Enable/disable call forward no answer	All	0, 1	0
call_settings.account.x.cfna_target	Target number for call forward no answer	All	String	Blank

call_settings.account.x.cfna_delay	Delay (in # of rings) before call is forwarded	All	1-10	6
call_settings.missed_call_alert_enable	Enable/disable missed call alert	All	0, 1	1
call_settings.hotline_enable	Enables or disables the hotline feature.	All	0, 1	1
call_settings.hotline_account	Sets the account used for dialing the hotline number.	All	0 to max accounts	0 (def account)
call_settings.hotline_number	Sets the number dialed by the hotline feature.	All	string	blank
call_settings.hotline_delay	Sets the delay (in seconds) between the phone going off hook and the hotline number being dialed.	All	0-10	0
call_settings.account.x.call_completion_enable	Enables or disables the Call Completion for Busy Subscribers (CCBS) feature. The feature notifies users when a previously busy number is available and asks them whether they wish to call the number back.	Group C	0, 1	0
call_settings.account.x.call_completion_alert_enable	Enables or disables an audible alert (similar to a hold reminder alert tone) if the user is on another call when the auto redial interval expires.	Group C	0, 1	1
call_settings.account.x.auto_redial_repeat	Sets how many auto redial attempts are made.	Group C	1-30	10
call_settings.account.x.auto_redial_interval	Sets the countdown timer (in seconds) until the user is prompted for the next dialing attempt.	Group C	1-300	30
call_settings.account.x.unconditional-auto_answer_enable	Enables or disables unconditional Auto Answer. Auto Answer allows a deskset or conference phone to automatically answer incoming calls to that account without user intervention. An auto answer tone will sound.	Group C	0, 1	0
call_settings.account.x.unconditional-auto_answer_delay	Sets the delay before the phone auto answers a call.	Group C	0-30	2
call_settings.account.x.unconditional-auto_answer_mute_on_ans	Enables or disables muting the mic upon auto answering	Group C	0, 1	0

"pfk" Module: Programmable Feature Key Settings

The programmable feature key (PFK) settings store the data associated with each programmable feature key.

The programmable feature key settings follow the format: pfk.x.[element], where x is the programmable feature key ID, ranging from 1 to 32.

Setting	Description	Applic.	Range	Default
pfk.x.feature	Assigns a feature to the PFK	Group B	unassigned, line, dir, call log, redial, messages, dnd, dnd all, cfwd all, cfwd busy, cfwd no answer, quick dial, busy lamp field, acd, page, multicast page, park call, retrieve parked call, in call dtmf, callback, group call pickup, direct call pickup, prefix_dial Note: Temporis IP100 and IP150 pfks 6 to 10 and 16 to 20 have no LEDs, hence some functions are not allowed. For more details contact your technical support.	Model dependent. See each model's quick reference guide in Getting Started chapter, on page 8
pfk.x.feature	Assigns a feature to the PFK	Group C	unassigned, line, dir, call log, redial, messages, dnd, dnd all, cfwd all, cfwd busy, cfwd	

			no answer, quick dial, busy lamp field, acd, page, multicast page, park call, retrieve parked call, in call dtmf, callback, group call pickup, direct call pickup, prefix_dial, chp, hg, sf, lock_key, flash, xml app Note: Temporis IP151 pfks 6 to 10 and 16 to 20 have no LEDs, hence some functions are not allowed. For more details contact your technical support.	
pfk.[hardkey].feature	The programmable hard key settings follow the format: pfk.[hardkey].[element]. The values for <hardkey> depend on the model. For example, for IP701G these are: up, down, cancel, mute, select, hold, flash, transfer, conf	Group D	unassigned, dir, call log, redial, messages, dnd, dnd all, cfwd all, cfwd busy, cfwd no answer, retrieve parked call, quick dial, page, multicast page, callback, group call pickup, direct call pickup, prefix dial, lock_key, xml app, network status	

pfk.x.account	SIP account used for the assigned feature (if applicable)	All	1-max accounts (model dependent)	1
pfk.[hardkey].account		Group C		
pfk.x.quick_dial	Quick dial string to use if quick dial is assigned to PFK	All	string	Blank
pfk.[hardkey].quickdial		Group D		
pfk.x.blf	BLF string to use if Busy Lamp Field is assigned to PFK	All	string	Blank
pfk.x.incall_dtmf	DTMF string if in-call dtmf is assigned to pfk.	All	DTMF digits	Blank
pfk.x.page_destination	If required by your service provider, enter a page destination number. The target number for the outgoing page will be formed by concatenating Paging feature access code of the selected account and the PFK page destination value.	All	string	Blank
pfk.[hardkey].page_destination	Same as above	Group C	string	Blank
pfk.x.park_destination	If required by your service provider and sip_account.x.park_variant setting, enter a value for the park ''orbit'' or extension.	All	string	Blank
pfk.x.park_retrieval_source	Description: If required by your service provider and sip_account.x.park_variant setting, enter a value for the park ''orbit'' or extension.	All	string	Blank
pfk.[hardkey].park_retrieval_source	same as above	Group D	string	Blank
pfk.x.prefix	Enter a prefix to be dialed (hidden from the user) when the key is pressed. The prefix is added to any user-entered digits. %N can be used for substitution of user-entered digits. For example, *71%N# uses	All	String	blank

	[*71] + [user-entered digits] + [#] as the outgoing dialing string.			
pfk.[hardkey].prefix	Same as above	Group D	String	blank
pfk.x.multicast_zone	Sets the multicast paging zone if multicast page is assigned to PFK x.	All	1-10	Bank
pfk.[hardkey].multicast_zone	Same as above	Group D	1-10	blank
pfk.x.call_handling_profile	If pfk.x.feature is chp, enter the string of the call handling profile that the pfk LED will indicate.	Group D	string	Blank
pfk.x. call_handling_profile_set_code	If pfk.x.feature is chp, enter the call handling profile FAC and profile index number to activate the profile.	Group D	string	Blank
pfk.x.direct_pickup	If pfk.x.feature is direct call pickup, enter the Direct Call Pickup feature access code (FAC).	Group D	string	Blank
pfk.[hardkey].direct_pickup	Same as above	Group D	string	Blank
pfk.x.hunt_group	If pfk.x.feature value is hg, enter the hunt group extension number assigned for this pfk.	Group D	string	Blank
pfk.x.secretarial_filtering	If pfk.x.feature value is sf, enter the manager's extension number assigned for this pfk	Group D	string	Blank
pfk.x.xml_uri	If pfk.x.feature is xml app, enter the URI to fetch the XML application to be executed.	Group D	URI	Blank
pfk.[hardkey].xml_uri	Same as above	Group D	URI	Blank

"speed_dial" Module: Speed Dial Settings

The memory key settings configure the dial pad keys for speed dialing pre-programmed phone numbers. When configured, the phone user can press and hold a dial pad key to dial a programmed phone number.

The memory key settings follow the format speed_dial.x.[element], where x is the dial pad key, ranging from 1 to 0 (with 0 being the "0" key in your dial pad).

Setting	Description	Applic.	Range	Default
speed_dial.x.number	Phone number that the memory key will dial when pressed and held.	All	String	blank
speed_dial.x.name	Name associated to this memory key.	All	String	blank
speed_dial.x.account	SIP account (line) used for dialing when memory key x is pressed and held.	All	1-2	1

"audio" Module: Audio Settings

The audio settings include jitter buffer parameters and RTP port settings. These configuration items affect only models in Group C, and each account is configured independently

Setting	Description	Applic.	Range	Default
audio.x.jitter_mode	Select the desired mode for the jitter buffer: fixed (static) or adaptive. This setting depends on your network environment and conditions.	Group C	fixed, adaptive	adaptive
audio.x.fixed_jitter.delay	Name associated to this memory key. When in fixed jitter buffer mode, set the delay (in ms) desirable to provide good audio quality with the minimal possible delay	Group C	30-500	70
audio.x.adaptive_jitter.min_delay	When in adaptive jitter buffer mode, set the minimum delay (in ms) desirable to maintain data packet capture and audio quality.	Group C	20-250	60
audio.x.adaptive_jitter.target_delay	When in adaptive jitter buffer mode, set the target delay (in ms) desirable to provide good audio quality with the minimal possible delay.	Group C	20-500	80

audio.x.adaptive_jitter.max_delay	When in adaptive jitter buffer mode, set the maximum delay (in ms) desirable to maintain data packet capture and audio quality.	Group C	180-500	240
audio.x.rtp.port_start	Sets the Local RTP port range start.	Group C	1-65535	18000
audio.x.rtp.port_end	Sets the Local RTP port range end.	Group C	1-65535	19000
audio.x.rtcp_xr.enable	Enables or disables reporting of RTCP XR via SIP to a collector server. RTP Control Protocol Extended Reports (RTCP XR) are used for voice quality assessment and diagnostics.	Group C	0:disabled 1:enabled	0

"file" Module: Imported File Settings

The "file" parameters enable the provisioning file to import additional configuration files of various types, including:

Audio profile
Contact lists
Security certificates
And others

File parameter values are URLs that direct the phone to the location of the file to be imported.

None of these settings are exported when you manually export the configuration from the phone. Default value is blank for all of them.

Setting	Applic.	Description
file.audio_profile	All	URL of Audio Profile to be imported.
file.contact.directory.append	All	URL of xml contact directory to be appended to existing contacts.
file.contact.directory.overwrite	All	URL of xml contact directory to be imported which will overwrite any existing contacts.
file.contact.blacklist.append	All	URL of xml contact blacklist to be appended to existing black list.

file.contact.blacklist.overwrite	All	URL of xml contact blacklist to be imported and will overwrite existing black list.
file.bootup_logo	All	URL of custom logo shown during bootup. For logo specifications, see Logo specifications on page 43
file.idle_logo	All	URL of custom logo shown on the idle screen. For logo specifications see Logo specifications on page 43
file.sips.trusted.certificate.x	Group B	URL of SIPS certificate to be imported for TLS transport on account x.
file.https_user.certificate	Group B	URL of HTTPS certificate to be imported.
file.provisioning.trusted.certificate	Group B	URL of certificate to be imported for secure provisioning
file.ldap.trusted.certificate	Group B	URL of certificate to be imported for secure LDAP
file.broadsoft.trusted.certificate	Group B	URL of certificate to be imported for secure Broadsoft directory
file.certificate.x.url	Group C	URL to upload a trusted certificate file in pem or crt. It will be given index x and marked as unprotected. x ranges from 1 to 20.
file.protected_certificate.x.url	Group C	URL to upload a trusted certificate file in pem or crt. It will be given index x and marked as protected. x ranges from 1 to 20.
file.certificate.trusted.url	Group C	URL to upload a trusted certificate file in pem or crt. It will be given the first available index and marked as unprotected.
file.protected_certificate.trusted.url	Group C	URL to upload a trusted certificate file in pem or crt. It will be given the first available index and marked as protected.
file.protected_certificate.custom_device.url	Group C	URL to upload a custom device certificate to override the factory installed device certificate.
file.action	Group C	Enables you to delete certain certificates. removecertificate_customdevice: remove the custom device certificate and resume the use of the factory installed device certificate

		removecertificate_allnonprotected: remove all non-protected trusted certificates removecertificate_all: remove the custom device certificate and all protected or non-protected trusted certificates Enables you to delete a custom language from the WebUI, the deskset screens, or both. Values: removecertificate_ customdevice, removecertificate_ allnonprotected, removecertificate_all removecustomlanguage_all, removecustomlanguage_webui, removecustomlanguage_desksetui
file.language.deskset.url	Group D	URL of the Deskset UI Custom Language file to be imported
file.language.webui.url	Group D	URL of Web UI Custom Language file to be imported.
file.vpn.advanced_config	Group C	URL of OpenVPN client configuration file. For more information, see ''VPN'' on page 149.
file.custom_ringer	Group D	Enter URI to WAV file for a custom ringer. The custom ringer replaces Ringtone 10 on Ringer tone menu. For more information about file format, see ''Custom Ringer'' on page 113.

"xml_app" Module: XML App Settings

Phones in model Group C (**Temporis IP151, IP251G, IP301G and IP701G**) support both push and pull server applications. The XML app settings allow you to enable "push" events and how they interact with the phone during calls.

Setting	Description	Applic.	Range	Default
xml_app.http_push_enable	Enable or disable HTTP push, which enables the phone to display XML objects that are ''pushed'' to the phone from the server via http/https POST or SIP NOTIFY.	Group D	0:disabled 1:enabled	0

xml_app.push_during_call_enable	Enable or disable the phone to display pushed XML objects during a call. Otherwise, the XML application is displayed after the call is over.	Group D	0:disabled 1:enabled	0

For more information about the XML Browser interface please check with your customer support.

"system_event" Module: Action URI Settings

Phones in model Group D (**Temporis IP151, IP251G, IP301G and IP701G**) support interaction with a server application by using an HTTP GET request. The action URI triggers a GET request when a specified event occurs. Action URIs allow an external application to take control of the display when an event occurs. For more information, see "Server Application" on page 132

Setting	Description	Applic.	Range	Default
system_event.startup.action_uri	Enter URI for GET request triggered at end of phone bootup.	Group D	String	Blank
system_event.registered.action_uri	Enter URI for GET request triggered at end of line registration.	Group D	String	Blank
system_event.on_hook.action_uri	Enter URI for GET request triggered when phone goes from active to idle	Group D	String	Blank
system_event.off_hook.action_uri	Enter URI for GET request triggered when phone goes into dial mode.	Group D	String	Blank
system_event.incoming_call.action_uri	Enter URI for GET request triggered for incoming calls or call waiting events.	Group D	String	Blank
system_event.outgoing_call.action_uri	Enter URI for GET request triggered when phone sends SIP INVITE message.	Group D	String	Blank

system_event.poll.action_uri	Enter URI for periodical GET request	Group D	String	Blank
system_event.poll.interval	Enter interval (in seconds) between poll.action_uri requests	Group D	1-65535	3600
system_event.connected.action_uri	Enter URI for GET request triggered when phone has active call or is paging.	Group D	String	Blank
system_event.registration_event.action_uri	Enter URI for GET request triggered when the registration state changes.	Group D	String	Blank

For more information about the XML Browser interface please check with your technical support.

"tr069" Module: TR-069 Settings

Phones in model Group C (**Temporis IP151, IP251G, IP301G, IP701G and Alcatel IP2115**) support TR-069.

The Broadband Forum's Technical Report 069 (TR-069) defines a protocol for remote management and secure auto-configuration of compatible devices. The TR-069 settings allow you to enable TR-069 and configure access to an auto-configuration server (ACS).

Setting	Description	Applic.	Range	Default
tr069.enable	Enable/disable the TR-069 subsystem.	Group C	0:disabled 1:enabled	0
tr069.acs.url	Enter the URL to the auto configuration server (ACS).	Group C	string	blank
tr069.acs.username	Enter user name for ACS authentication	Group C	string	blank
tr069.acs.access_password	Enter password for ACS authentication.	Group C	string	blank
tr069.periodic_inform.enable	Enable/disable the phone sending Inform messages to the server	Group C	0:disabled 1:enabled	0
tr069.periodic_inform.interval	Set the interval (in seconds) between	Group C	1-65535	3600

	sending Inform messages.			

"tone" Module: Tone Definition Settings

The Tone Definition settings configure data for various tones for the purpose of localization. The Audio Manager component uses the data from this model to populate the mcu on bootup.

The tone definition settings follow the format: tone.element.x, where x is the index of the elements, ranging from 1 to 5.

Each definition (or tone element) must be a string of 12 elements separated by a space:

"<num of freq> <freq1> <amp1> <freq2> <amp2> <freq3> <amp3> <freq4> <amp4> <on duration> <off duration> <repeat count>"

Where:

<num of freq>: 0-4

<freq1>: 0-65535

<amp1>: -32768-32767 /-30-6

<freq2>: 0-65535

<amp2>: -32768-32767 /-30-6

<freq3>: 0-65535

<amp3>: -32768-32767 /-30-6

<freq4>: 0-65535

<amp4>: -32768-32767 /-30-6

<on duration>: 0-2^32

<off duration>: 0-2^32

<repeat count>: 0-65535

All these settings are exported when you manually export the configuration from the phone.

Setting	Applicability	Default
tone.call_waiting_tone.num_of_elements	All	1
tone.call_waiting_tone.element.1	Group B	1 440 -120 0 0 0 0 0 0 500 0 1
tone.call_waiting_tone.element.1	Group C	1 440 -22 0 0 0 0 0 0 500 0 1
tone.call_waiting_tone.element.[2-5]	All	blank
tone.call_waiting_tone.num_of_repeat_all	Group C	0
tone.hold_reminder.num_of_elements	All	1
tone.hold_reminder.element.1	Group B	1 770 -120 0 0 0 0 0 0 300 0 1
tone.hold_reminder.element.1	Group C	1 770 -22 0 0 0 0 0 0 300 0 1
tone.hold_reminder.element.[2-5]	All	blank

tone.hold_reminder.num_of_repeat_all	Group C	0
tone.inside_dial_tone.num_of_elements	All	1
tone.inside_dial_tone.element.1	Group B	2 440 -180 350 -180 0 0 0 0 4294967295 0 65535
tone.inside_dial_tone.element.1	Group C	2 440 -22 350 -22 0 0 0 0 65535 0 65535
tone.inside_dial_tone.element.[2-5]	All	blank
tone.inside_dial_tone.num_of_repeat_all	Group C	0
tone.stutter_dial_tone.num_of_elements	All	2
tone.stutter_dial_tone.element.1	Group B	2 440 -180 350 -180 0 0 0 0 100 100 10
tone.stutter_dial_tone.element.2	Group B	2 440 -180 350 -180 0 0 0 0 4294967295 0 65535
tone.stutter_dial_tone.element.1	Group C	2 440 -22 350 -22 0 0 0 0 100 100 10
tone.stutter_dial_tone.element.2	Group C	2 440 -22 350 -22 0 0 0 0 65535 0 65535
tone.stutter_dial_tone.element.[3-5]	All	blank
tone.stutter_dial_tone.num_of_repeat_all	Group C	0
tone.busy_tone.num_of_elements	All	1
tone.busy_tone.element.1	Group B	2 480 -180 620 -180 0 0 0 0 500 500 65535
tone.busy_tone.element.1	Group C	2 480 -22 620 -22 0 0 0 0 500 500 65535
tone.busy_tone.element.[2-5]	All	blank
tone.busy_tone.num_of_repeat_all	Group C	0
tone.ring_back_tone.num_of_elements	All	1
tone.ring_back_tone.element.1	Group B	2 440 -180 480 -180 0 0 0 0 2000 4000 65535
tone.ring_back_tone.element.1	Group C	2 440 -22 480 -22 0 0 0 0 2000 4000 65535
tone.ring_back_tone.element.[2-5]	All	blank
tone.ring_back_tone.num_of_repeat_all	Group C	0
tone.congestion_tone.num_of_elements	Group C	3
tone.congestion_tone.element.1	Group C	1 950 -22 0 0 0 0 0 0 330 0 1

tone.congestion_tone.element.2	Group C	1 1400 -22 0 0 0 0 0 0 330 0 1
tone.congestion_tone.element.3	Group C	1 1800 -22 0 0 0 0 0 0 330 1000
tone.congestion_tone.element.[4-5]	Group C	blank
tone.congestion_tone.num_of_repeat_all	Group C	65535
tone.ring_back_tone.element.[2-5]		blank
tone.dial_tone.num_of_elements	Group C	1
tone.dial_tone.element.1	Group C	2 440 -22 350 -22 0 0 0 0 65535 0 65535
tone.dial_tone.element.[2-5]	Group C	blank
tone.dial_tone.num_of_repeat_all	Group C	0
tone.auto_answer_tone.num_of_elements	Group C	1
tone.auto_answer_tone.element.1	Group C	2 500 -22 800 -22 0 0 0 0 1000 0 1
tone.auto_answer tone.element.[2-5]	Group C	blank
tone.auto_answer_tone.num_of_repeat_all	Group C	0

"ringersetting" Module: distinctive ringing settings

The distinctive ringing settings follow the format: ringersetting.[element].

All these settings are exported when you manually export the configuration from the phone.

Setting	Description	Range	Default
ringersetting.x.ringer_text	Content of the ''info'' field in the Alert-info header to match for distinctive ringing for element ''x''. See Ringer Settings section	Text string	blank
ringersetting.x.ringer_type	Ringer tone to use when there is a match with ringer_text	1-10	1

"page_zone" Module: Paging Zone Settings

The paging zone settings allow you to define a maximum of 10 paging zones that the deskset can use for multicast paging.

The paging zone parameters (except for page_zone.call_priority_threshold) follow the format page_zone.x.[element], where x is the paging zone ID number, ranging from 1 to 10.

Setting	Description	Applic.	Range	Default
page_zone.x.name	Sets the paging zone name, which appears on deskset LCD for outgoing and incoming multicast pages. A maximum of 15 characters is allowed.	All	Text string	blank
page_zone.x.multicast_address	Enter the multicast IP address that the deskset will monitor. The range of valid IP addresses is.	All	IPv4, 224.0.0.0 to 239.255.255. 255	blank
page_zone.x.multicast_port	Enter the multicast port associated with the multicast IP. The range of valid ports is 1 to 65535.	All	1-65535	blank
page_zone.x.accept_incoming_page	Enables or disables the deskset from receiving incoming multicast pages for that paging zone. If disabled, the deskset can make outgoing multicast pages only.	All	0 (disabled), 1 (enabled)	1
page_zone.x.priority	Set the paging zone priority from 1 to 10. Zones with a priority higher than another zone can interrupt the lower-priority zone's active page.	All	1-10	5
page_zone.call_priority_threshold	Set the call_priority_threshold. If the paging zone priority (page_zone.x.priority) is higher or equal to the call priority, then a multicast page can interrupt an active, dialing, or incoming call.	All	1-10	2

"softkey" Module: Custom Soft Key Settings

The custom soft key settings allow you to select which soft keys can appear on the Idle screen, the Call Active screen, the Call Held screen and the Live Dial screen. You can also specify the position of each soft key.

Softkeys appear on the phone screen in the same order as the softkey values you enter. Enter soft key values separated by commas.

You can specify a maximum of nine soft keys (three levels) for each parameter.

The soft key parameters follow the format softkey.[element].

For more information, see Customizing Softkeys on page 45.

Setting	Description	App	Values	Default
softkey.idle	Specifies the soft keys visible on the idle screen.	All (see remarks)	Group B: blank, dir , call_log, redial, message, dnd, cfwd, cfna, cfwd_all, cfwd_busy, intercom, retrieve, callback, grp_pickup, dir_pickup, line, settings, pgm_dial_1, pgm_dial_2, pgm_dial_3 Group C: blank, dir , call_log, redial, message, dnd, cfwd, cfna, cfwd_all, cfwd_busy, intercom, retrieve, callback, grp_pickup, dir_pickup, line, settings	Model dependent.
softkey.call_active	Specifies the soft keys visible on the active call screen.	All (see remarks)	Group B: blank, new, park_call, end, hold, transfer, conf, xferline, confline, pgm_dial_1, pgm_dial_2, pgm_dial_3 Group C: blank, new, park_call, end, hold, pri_hold, transfer, conf, flash,hs_pick	Model dependent.
softkey.call_held	Specifies the soft keys visible on the held call screen.	All (see remarks)	Group B: blank, new, park_call, retrieve, grp_pickup, dir_pickup, end, resume, transfer, conf, xferline, confline, pgm_dial_1, pgm_dial_2, pgm_dial_3 Group C: blank, new, retrieve, grp_pickup, dir_pickup,	Model dependent.

			end, resume, transfer, conf,,hs_pick	
softkey.live_dial	Specifies the soft keys visible on the live dial screen.	All (see remarks)	Group B: blank, dir, call_log, redial, message, end, dial, input, cancel, backspc, pgm_dial_1, pgm_dial_2, pgm_dial_3 Group C: blank, dir, call_log, redial, message, end, dial, input, cancel, backspc	Model dependent.
softkey. program_dial.x.label	Sets the label that will be shown on the pgm_dial_x softkey	Group B	string	blank
softkey.program_dial.x.number	Sets the number that will be dialed when the pgm_dial_x softkey is pressed	Group B	string	blank
softkey.program_dial.x.account	Account that will be used to dial out pgm_dial_x	Group B	1 to max accounts	1

"hs_settings" Module: Handset management Settings

Handset management settings allow you to select which accounts are assigned to each handset to make and receive calls, default account that will be used to dial out for a particular handset, or handset name.

For more information, see Handset settings on page 138

Setting	Description	Values	Default
hs_settings.x.assigned_account	Lists accounts assigned to a handset.	Comma separated account index list	1,2,3,4,5,6
hs_settings.x.default_account	Account which will be used to dial out. Exceptions are pre-assignment cases (call log, contacts, speed dial) or user manually selecting a different account.	1 to 6	1
hs_settings.x.handset_name	Name the handset will show on its idle screen	String, up to 12 chars	HANDSET

Appendix B: Time Zones

	Time Zone	String in config file
-11	Samoa	Pacific/Pago_Pago
-10	United States-Hawaii-Aleutian	Pacific/Honolulu
-10	United States-Alaska-Aleutian	America/Adak
-9	United States-Alaska Time	America/Anchorage
-8	Canada(Vancouver,Whitehorse)	America/Vancouver
-8	Mexico(Tijuana,Mexicali)	America/Tijuana
-8	United States-Pacific Time	America/Los_Angeles
-7	Canada(Edmonton,Calgary)	America/Edmonton
-7	Mexico(Mazatlan,Chihuahua)	America/Chihuahua
-7	United States-Mountain Time	America/Denver
-7	United States-MST no DST	America/Phoenix
-6	Canada-Manitoba(Winnipeg)	America/Winnipeg
-6	Chile(Easter Islands)	Pacific/Easter
-6	Mexico(Mexico City,Acapulco)	America/Mexico_City
-6	United States-Central Time	America/Chicago
-5	Bahamas(Nassau)	America/Nassau
-5	Canada(Montreal,Ottawa,Quebec)	America/Montreal
-5	Caicos	America/Grand_Turk
-5	Cuba(Havana)	America/Havana
-5	United States-Eastern Time	America/New_York
-4:30	Venezuela(Caracas)	America/Caracas
-4	Canada(Halifax,Saint John)	America/Halifax
-4	Chile(Santiago)	America/Santiago
-4	Paraguay(Asuncion)	America/Asuncion
-4	United Kingdom-Bermuda(Bermuda)	Atlantic/Bermuda
-4	United Kingdom(Falkland Islands)	Atlantic/Stanley
-4	Trinidad&Tobago	America/Port_of_Spain
-3:30	Canada-New Foundland(St.Johns)	America/St_Johns
-3	Denmark-Greenland(Nuuk)	America/Godthab
-3	Argentina(Buenos Aires)	America/Argentina/Buenos_Aires
-3	Brazil(no DST)	America/Fortaleza
-3	Brazil(DST)	America/Sao_Paulo
-2	Brazil(no DST)	America/Noronha
-1	Portugal(Azores)	Atlantic/Azores
0	GMT	GMT
0	Greenland	America/Danmarkshavn
0	Denmark-Faroe Islands(Torshaven)	Atlantic/Faroe
0	Ireland(Dublin)	Europe/Dublin
0	Portugal(Lisboa,Porto,Funchal)	Europe/Lisbon
0	Spain-Canary Islands(Las Palmas)	Atlantic/Canary
0	United Kingdom(London)	Europe/London
0	Morocco	Africa/Casablanca
1	Albania(Tirane)	Europe/Tirane
1	Austria(Vienna)	Europe/Vienna

1	Belgium(Brussels)	Europe/Brussels
1	Croatia(Zagreb)	Europe/Zagreb
1	Czech Republic(Prague)	Europe/Prague
1	Denmark(Kopenhaven)	Europe/Copenhagen
1	France(Nice)	Europe/Paris
1	Germany(Berlin)	Europe/Berlin
1	Hungary(Budapest)	Europe/Budapest
1	Italy(Rome)	Europe/Rome
1	Luxembourg(Luxembourg)	Europe/Luxembourg
1	Makedonia(Skopje)	Europe/Skopje
1	Netherlands(Amsterdam)	Europe/Amsterdam
1	Namibia(Windhoek)	Africa/Windhoek
2	Estonia(Tallinn)	Europe/Tallinn
2	Finland(Helsinki)	Europe/Helsinki
2	Gaza Strip(Gaza)	Asia/Gaza
2	Greece(Athens)	Europe/Athens
2	Israel(Tel Aviv)	Asia/Jerusalem
2	Jordan(Amman)	Asia/Amman
2	Latvia(Riga)	Europe/Riga
2	Lebanon(Beirut)	Asia/Beirut
2	Moldova(Kishinev)	Europe/Chisinau
2	Russia(Kaliningrad)	Europe/Kaliningrad
2	Romania(Bucharest)	Europe/Bucharest
2	Syria(Damascus)	Asia/Damascus
2	Turkey(Ankara)	Europe/Istanbul
2	Ukraine(Kyiv,Odessa)	Europe/Kiev
3	East Africa Time	Africa/Djibouti
3	Iraq(Baghdad)	Asia/Baghdad
3	Russia(Moscow)	Europe/Moscow
+3:30	Iran(Teheran)	Asia/Tehran
4	Armenia(Yerevan)	Asia/Yerevan
4	Azerbaijan(Baku)	Asia/Baku
4	Georgia(Tbilisi)	Asia/Tbilisi
4	Kazakstan(Aqtau)	Asia/Aqtau
4	Russia(Samara)	Europe/Samara
5	Kazakstan(Aqtobe)	Asia/Aqtobe
5	Kyrgyzstan(Bishkek)	Asia/Bishkek
5	Pakistan(Islamabad)	Asia/Karachi
5	Russia(Chelyabinsk)	Asia/Yekaterinburg
+5:30	India(Calcutta)	Asia/Kolkata
6	Kazakstan(Astana,Almaty)	Asia/Almaty
6	Russia(Novosibirsk,Omsk)	Asia/Novosibirsk
7	Russia(Krasnoyarsk)	Asia/Krasnoyarsk
7	Thailand(Bangkok)	Asia/Bangkok
8	China(Beijing)	Asia/Shanghai
8	Singapore(Singapore)	Asia/Singapore
8	Australia(Perth)	Australia/Perth
9	Korea(Seoul)	Asia/Seoul
9	Japan(Tokyo)	Asia/Tokyo

+9:30	Australia(Adelaide)	Australia/Adelaide
+9:30	Australia(Darwin)	Australia/Darwin
10	Australia(Sydney,Melbourne,Canberra)	Australia/Sydney
10	Australia(Brisbane)	Australia/Brisbane
10	Australia(Hobart)	Australia/Hobart
10	Russia(Vladivostok)	Asia/Vladivostok
+10:30	Australia(Lord Howe Islands)	Australia/Lord_Howe
11	New Caledonia(Noumea)	Pacific/Noumea
12	New Zeland(Wellington,Auckland)	Pacific/Auckland
+12:45	New Zeland(Chatham Islands)	Pacific/Chatham
13	Tonga(Nukualofa)	Pacific/Tongatapu

Maintenance

Taking care of your telephone

Your telephone contains sophisticated electronic parts, so you must treat it with care.
Avoid rough treatment.
Place the corded handset down gently.
Save the original packing materials to protect your telephone base if you ever need to ship it.

Avoid water

You can damage your telephone if it gets wet. Do not use the corded handset in the rain, or handle it with wet hands. Do not install the telephone near a sink, bathtub or shower.

Electrical storms

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electric appliances during storms.

Cleaning your telephone

Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap.
Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If the telephone should fall into water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND NETWORK CABLE FROM THE WALL, then pull the unit out by the unplugged cords.

ALCATEL
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Important Safety Information

This symbol is to alert you to important operating or servicing instructions that may appear in this user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electric shock.

Read and understand all instructions in the user's manual. Observe all markings on the product.
Avoid using a telephone during a thunderstorm. There may be a slight chance of electric shock from lightning.
Do not use the telephone to report a gas leak in the vicinity of the leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the handset is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, and should not put a charged handset into the cradle, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
Do not use this product near water, or when you are wet. For example, do not use it in a wet basement or shower, or next to a swimming pool, bathtub, kitchen sink, or laundry tub. Do not use liquids or aerosol sprays for cleaning. If the product comes in contact with any liquid, unplug any line or power cord immediately. Do not plug the product back in until it has dried thoroughly.
Install this product in a protected location where no one can trip over any line or power cords. Protect cords from damage or abrasion.
If this product does not operate normally, see the Troubleshooting section in your product's manual. If you cannot solve the problem, or if the product is damaged, refer to the Limited warranty. Do not open this product except as directed in your user's manual. Opening the product or reassembling it incorrectly may expose you to hazardous voltages or other risks.
This power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, an under-the-table or cabinet outlet.

Caution: Use only the original power adapter for this product. To obtain it, check with your authorized distributor or reseller.

SAVE THESE INSTRUCTIONS

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CE Declaration of conformity

CE

Hereby, it's declared that this phone is in conformity with the essential requirements and other relevant provisions of the CE. You can download full declaration from www.alcatel-business.com

CE Mark Warnings

Temporis IP100/IP150/IP151/IP251G

This is a Class B device, in a domestic environment; this product may cause radio interference, in which case the user may be required to take adequate measures.

Temporis IP300/IP301G/IP700G/IP701G, Alcatel IP2015/IP2115, Conference IP1850

This is a Class A device, in a domestic environment; this product may cause radio interference, in which case the user may be required to take adequate measures.

WEEE Warning

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

GPL License Information

Portions of the software associated with this product are open source, and fall within the scope of the GNU General Public License (GPL).