Smart IP Phones
Administrator Guide

Version 5.42.1.6.0

May. 2023

Notices Information

Safety cautions

- To use the Phone follow the instructions in this manual.
- To use the power adapter that delivered with the phone. Other power adapters may damage the phone.
- The phone is only for indoor use. And also avoid in high humidity, water and some other liquids.
- Do not use the phone during thunderstorms.
- CE
- FCC

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.

Cleaning

To clean the device, use an anti-static cloth. Please avoid cleaning liquids as they might damage the surface or internal electronics of the phone.

About This Guide

The guide is intended for administrators who need to properly configure, customize, manage, and troubleshoot the IP phone system rather than the end-users. It provides details on the functionality and configuration of Smart IP phones. Many of the features described in this guide involve network settings, which could affect the IP phone's performance in the network. So an understanding of the IP networking and prior knowledge of IP telephony concepts are necessary.

Documentations

The following related documents for Smart phones are available:

- Quick Reference, which describe how to assemble IP phones and describe the most basic features available on IP phones.

- User Manual, which describe basic and advanced features available on IP phones.
- Auto Provisioning Guide, which describes how to provision IP phones using the configuration files.
- AutoProvision_cfg.xml_UserManual, which describes how to upgrade the cfg.xml and how to configure the cfgmac.xml with AES Key.
- Configuration Tool User Guide, which describes how to convert and encrypt the configuration files using the HPT.

Table of Content

Revision History

Version Number	Revision Date	Revision Description
V5.42.1.3.1	2023.2.1	1. Update some configuration parameters
V5.42.1.6.0	2023.5.28	1. Update Power saving 2. Update screen time out

Product Overview

This chapter contains the following information about Smart IP phones

- VoIP Principle
- SIP Components
- SIP IP Phone Models

VoIP Principle

VoIP (Voice over Internet Protocol) is a technology using the Internet Protocol instead of traditional Public Switch Telephone Network (PSTN) technology for voice communications.

It is a family of technologies, methodologies, communication protocols, and transmission techniques for the delivery of voice communications and multimedia sessions over IP networks. The H.323 and Session Initiation Protocol (SIP) are two popular VoIP protocols that are found in widespread implementation.

SIP

SIP (Session Initiation Protocol) is the Internet Engineering Task Force's (IETF's) standard for multimedia conferencing over IP. It is an ASCII-based, application-layer control protocol (defined in RFC 3261) that can be used to establish, maintain, and terminate calls between two or more endpoints. Like other VoIP protocols, SIP is designed to address the functions of signaling and session management within a packet telephony network. Signaling allows call information to be carried across network boundaries. Session management provides the ability to control the attributes of an end-to-end call.

SIP provides capabilities to:

- Determine the location of the target endpoint --SIP supports address resolution, name mapping, and call redirection.
- Determine the media capabilities of the target endpoint --Via Session Description Protocol (SDP), SIP determines the "lowest level" of common services between endpoints. Conferences are established using only the media capabilities that can be supported by all endpoints.
- Determine the availability of the target endpoint--A call cannot be completed because the target endpoint is unavailable. SIP determines whether the called party is already on the IP phone or does not answer in the allotted number of rings. It then returns a message indicating why the target endpoint is unavailable.
- Establish a session between the origin and target endpoint--The call can be completed, SIP establishes a session between endpoints. SIP also supports mid-call changes, such as the addition of another endpoint to the conference or the change of a media characteristic or codec.

- Handle the transfer and termination of calls--SIP supports the transfer of calls from one endpoint to another. During a call transfer, SIP simply establishes a session between the transferee and a new endpoint (specified by the transferring party) and terminates the session between the transferee and the transferring party. At the end of a call, SIP terminates the sessions between all parties

SIP Components

SIP is a peer-to-peer protocol. The peers in a session are called User Agents (UAs). A user agent can function as one of the following roles:

- User Agent Client (UAC) --A client application that initiates the SIP request.
- User Agent Server (UAS) --A server application that contacts the user when a SIP request is received and that returns a response on behalf of the user.

User Agent Client (UAC)

The UAC is an application that initiates up to six feasible SIP requests to the UAS. The six requests issued by the UAC are: INVITE, ACK, OPTIONS, BYE, CANCEL and REGISTER. When the SIP session is being initiated by the UAC SIP component, the UAC determines the information essential for the request, which is the protocol, the port and the IP address of the UAS to which the request is being sent. This information can be dynamic and will make it challenging to put through a firewall. For this reason, it may be recommended to open the specific application type on the firewall. The UAC is also capable of using the information in the request URI to establish the course of the SIP request to its destination, as the request URI always specifies the host which is essential. The port and protocol are not always specified by the request URI. Thus if the request does not specify a port or protocol, a default port or protocol is contacted. It may be preferential to use this method when not using an application layer firewall. Application layer firewalls like to know what applications are flowing though which ports and it is possible to use content types of other applications other than the one you are trying to let through what has been denied.

User agent server (UAS)

UAS is a server that hosts the application responsible for receiving the SIP requests from a UAC, and on reception it returns a response to the request back to the UAC. The UAS may issue multiple responses to the UAC, not necessarily a single response. Communication between UAC and UAS is client/server and peer-to–peer. Typically, a SIP endpoint is capable of functioning as both a UAC and a UAS, but it functions only as one or the other per transaction. Whether the endpoint functions as a UAC or a UAS depends on the UA that initiates the request.

SIP IP Phone Models

This section introduces the Smart IP phone family. Smart IP phones are endpoints in the overall network topology, which are designed to interoperate with other compatible

equipments including application servers, media servers, internet-working gateways, voice bridges, and other endpoints. Smart IP phones are characterized by a large number of functions, which simplify business communication with a high standard of security and can work seamlessly with a large number of SIP PBXs. Smart IP phones provide a powerful and flexible IP communication solution for Ethernet TCP/IP networks, delivering excellent voice quality. The high-resolution graphic display supplies content in multiple languages for system status, call log and directory access. Smart IP phones also support advanced functionalities, including LDAP, Busy Lamp Field, Sever Redundancy and Network Conference.

The following IP phone models are described:

UCV50 Enterprise Smart IP Phone

UCV52 Enterprise Smart IP Phone

UCV53 Enterprise Smart IP Phone

UCV10 Enterprise Smart IP Phone

UCV20 Enterprise Smart IP Phone

Smart IP phones comply with the SIP standard (RFC 3261), and they can only be used within a network that supports this type of phone.

In order to operate as SIP endpoints in your network successfully, Smart IP phones must meet the following requirements:

- A working IP network is established
- Routers are configured for VoIP.
- VoIP gateways are configured for SIP.
- The latest (or compatible) firmware of Smart IP phones is available.
- A call server is active and configured to receive and send SIP messages

Initialization Process Overview

The initialization process of IP phones is responsible for network connectivity and operation of IP phones in your local network

Once you connect your IP phone to the network and to an electrical supply, the IP phone begins its initialization process

During the initialization process, the following events proceed:

Loading the ROM file

The ROM file resides in the flash memory of IP phones. IP phones come from the factory with a ROM file preloaded. During initialization, IP phones run a bootstrap loader that loads and executes the ROM file.

Configuring the VLAN

If IP phones are connected to a switch, the switch notifies IP phones of the VLAN information defined on the switch (if using LLDP/CDP). IP phones can then proceed with the DHCP request for its network settings (if using DHCP).

Querying the DHCP (Dynamic Host Configuration Protocol) Server

IP phones are capable of querying a DHCP server. DHCP is enabled on IP phones by default. The following network parameters can be obtained from the DHCP server during initialization:

- IP Address
- Subnet Mask
- Gateway
- Primary DNS(Domain Name Server)
- Secondary DNS

You need to configure the network parameters of IP phones manually if any of them is not supplied by the DHCP server. For more information on configuring network parameters manually, refer to Configuring Network Parameters.

Contacting the auto provisioning server

Smart IP phones support the FTP, TFTP, HTTP, and HTTPS protocols for auto provisioning and are configured by default to use HTTP protocol. If IP phones are configured to obtain configurations from the HTTP server, they will connect to the HTTP server and download the configuration file(s) during startup. IP phones will be able to resolve and apply the configurations written in the configuration file(s). If IP phones do not obtain the configurations from the HTTP server, IP phones will use the configurations stored in the flash memory.

Updating firmware

If the access URL of the firmware is defined in the configuration file, the IP phone will download the firmware from the provisioning server. If the MD5 value of the downloaded firmware file differs from that of the image stored in the flash memory, the IP phone will perform a firmware update.

Verifying Startup

After connected to the power and network, the IP phone begins the initializing process by cycling through the following steps:

1. The power indicator LED illuminates.
2. The message “Initializing...”, “Check firmware, Please wait” appears on the LCD screen when the IP phone starts up.
3. The main LCD screen displays the following:
    - Time and date
    - Soft key labels
4. Press the OK key to check the IP phone status, the LCD screen displays the valid IP address, MAC address, firmware version, etc.

If the IP phone has successfully passed through these steps, it starts up properly and is ready for use.

Configuration Methods

You can use the following methods to setup and configure IP phones:

- LCD Interface
- Web Interface
- Configuration Files

The following sections describe how to configure IP phones using each method above.

LCD Interface

An administrator or a user can configure and use IP phones via LCD Interface .Specific features access is restricted to the administrator. These specific features are password protected by default. The default password is “admin“(case-sensitive).Not all features are available on LCD Interface.

Web Interface

An administrator or a user can configure IP phones via web interface. The default user name and password for the administrator to log into the web interface are both “admin” (case-sensitive). Almost all features are available for configuring via web interface. IP phones support both HTTP and HTTPS protocols for accessing the web interface. For more information, refer to Web Server Type.

Configuration Files

You can deploy IP phones using configuration files. There are three CFG template files, cfg00xx.xml, cfg*$mac* and cfgmac.xml. The cfg00xx.xml is a common configuration file which doesn't include the account information. The "mac" only takes effect for specific phone. The file name is the 12-digit mac address of phone. For example, if the phone's mac address is 001fc11a0012, the cfg*$mac* file name must be cfg001fc11a0012; The cfgmac.xml file name must be cfg001fc11a0012.xml.
The phone will try to download these CFG files from the server during provisioning.
In order to deploy IP phones using configuration files(cfg00xx.xml , cfg*$mac* and cfg*mac*.xml), you need to use a text-based editing application to edit the configuration files, and store configuration files to a provisioning server. IP phones support downloading configuration files using any of the following protocols: FTP, TFTP, HTTP and HTTPS.
IP phones can obtain the address of the provisioning server during startup through one of the following processes: PnP, DHCP Options and Phone Flash. Then IP phones download configuration files from the provisioning server, resolve and update the configurations written in the configuration files. This entire process is called auto provisioning.

Configuring Basic Network parameters

This section describes how to configure basic network parameters for the IP phone.

Internet Port

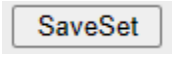
You can set the phone's Internet Port is ipv4 or ipv6 or ipv4 & ipv6.

Procedure

Internet Port can be configured using the configuration files, web or phone.

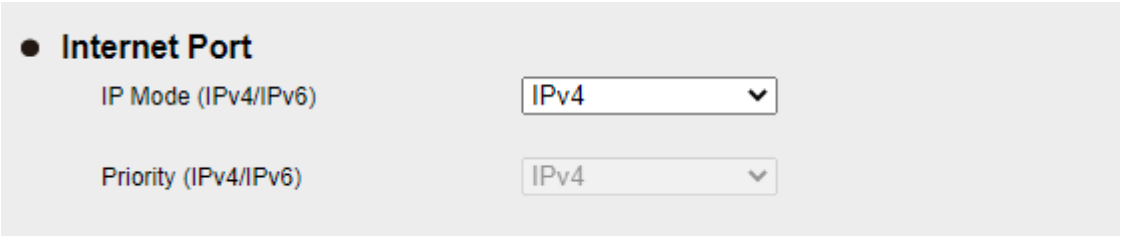
Configuration file	Cfgmac.xml	Configure Internet Port on the IP phone. For more information, refer to Internet Port
Web Interface		Configure Internet Port on the Web Interface.
Phone Interface		Configure Internet Port on the IP phone.

To configure Internet Port via web interface:

1. Login webpage->Network->Basic->Internet Port
2. Click the 

button to accept the change.

   A dialog box pops up to prompt that settings will take effect after reboot.
3. Click the "OK" button to restart the IP Phone.



DHCP

DHCP (Dynamic Host Configuration Protocol) is a network protocol used to dynamically allocate network parameters to network hosts. The automatic allocation of network parameters to hosts eases the administrative burden of maintaining an IP network. IP phones comply with the DHCP specifications documented in RFC 2131.If DHCP is used, IP phones connected to the network become operational without having to be manually assigned IP addresses and additional network parameters. Static DNS address (es) can be configured and used when DHCP is:
http://en.wikipedia.org/wiki/Dynamic_Host_Configuration_Protocol

DHCP Option

DHCP provides a framework for passing information to TCP/IP network devices. Network and other control information are carried in tagged data items that are stored in the options field of the DHCP message. The data items themselves are also called options. DHCP can be initiated by simply connecting the IP phone with the network. IP phones broadcast DISCOVER messages to request the network information carried in DHCP options, and the DHCP server responds with the specific values in the corresponding options.
The following table lists the common DHCP options supported by IP phones.

Parameter	DHCP Option	Description
Subnet Mask	1	Specify the client's subnet mask.
Time Offset	2	Specify the offset of the client's subnet in seconds from Coordinated Universal Time (UTC).
Router	3	Specify a list of IP addresses for routers on the client's subnet.
Time Server	4	Specify a list of time servers available to the client.
Domain Name Server	6	Specify a list of domain name servers available to the client.
Log Server	7	Specify a list of MIT-LCS UDP servers available to the client.
Host Name	12	Specify the name of the client.

Domain Server	15	Specify the domain name that client should use when resolving hostnames via DNS.
Broadcast Address	28	Specify the broadcast address in use on the client's subnet.
Network Time Protocol Servers	42	Specify a list of the NTP servers available to the client by IP address.
Vendor-Specific Information	43	Identify the vendor-specific information.
Vendor Class Identifier	60	Identify the vendor type.
TFTP Server Name	66	Identify a TFTP server when the 'name' field in the DHCP header has been used for DHCP options.
Boot file Name	67	Identify a boot file when the 'file' field in the DHCP header has been used for DHCP options.

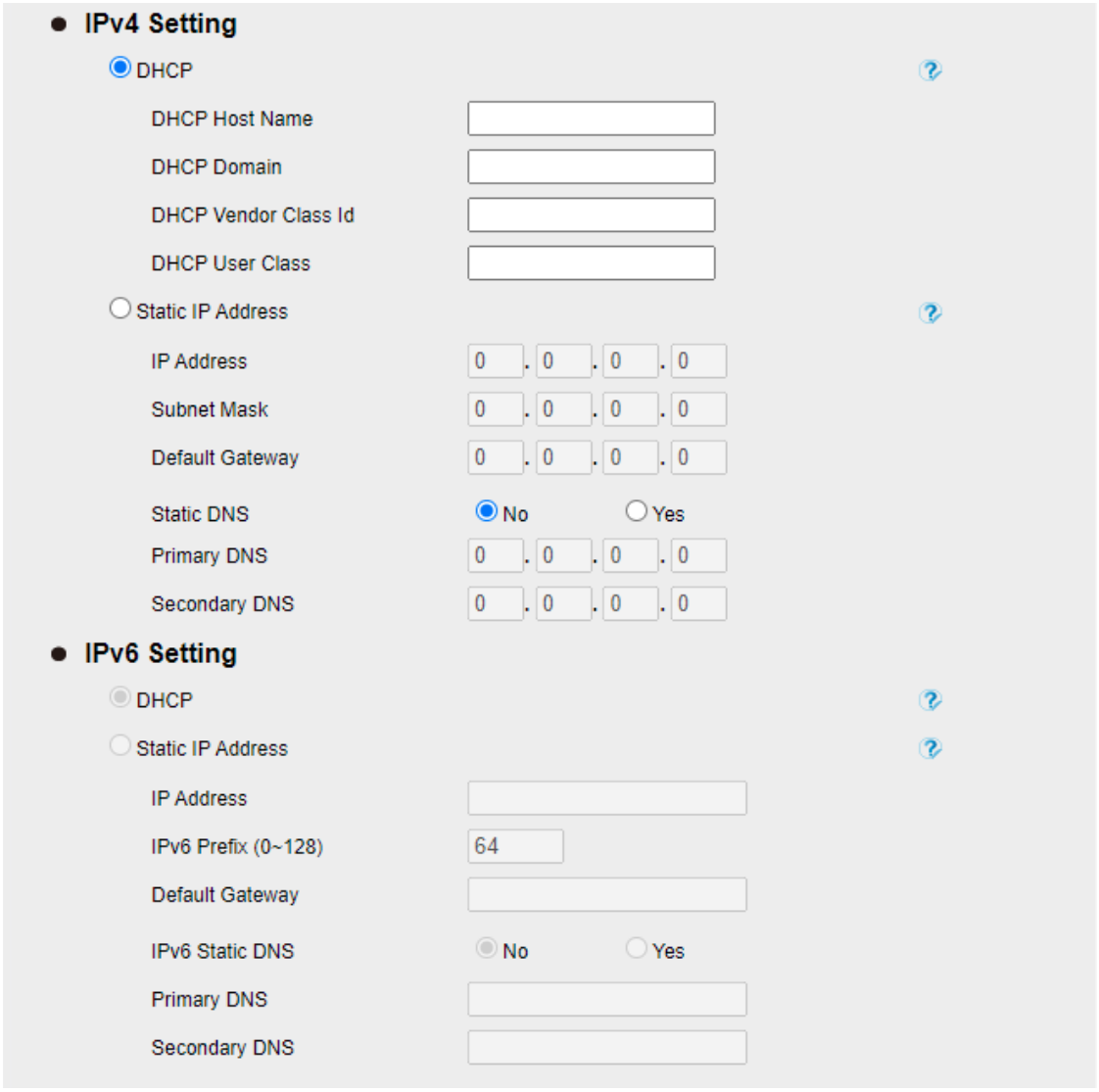
Procedure

DHCP can be configured using the configuration files, web or phone.

Configuration file	Cfgmac.xml	Configure DHCP on the IP phone. Enable static DNS and configure DNS when DHCP is used.
Web Interface		Configure DHCP on the IP phone. Configure static DNS address when DHCP is used
Phone Interface		Configure DHCP on the IP phone.

To configure DHCP via web interface:

1. Login webpage->Network->Basic:



2. Click the SaveSet button to accept the change.

A dialog box pops up to prompt that settings will take effect after reboot.

3. Click the “OK” button to restart the IP Phone.

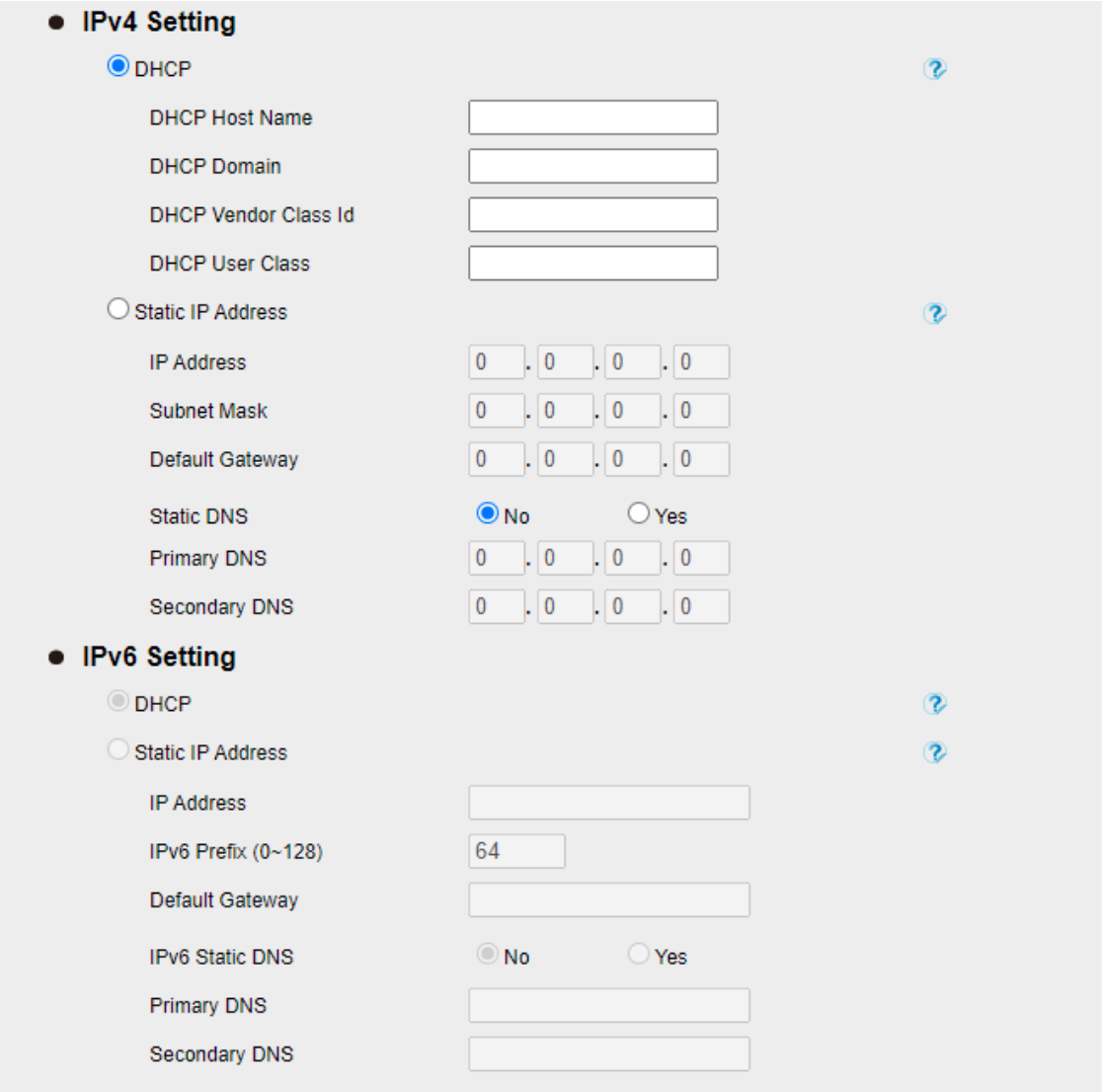
Static IP Address

Procedure

Static IP Address can be configured using the configuration files, web or phone.

To configure a static IP address via Web interface:

1. Login webpage->Network->Basic:
2. Enter the parameters: IP, Subnet mask, Default Gateway in the corresponding fields.



3. Click the SaveSet button to accept the change.

A dialog box pops up to prompt that settings will take effect after reboot.

4. Click the “OK” button to restart the IP Phone.

Configuring Advanced Network parameters

This section describes how to configure advanced network parameters for the IP phone.

- LLDP
- CDP
- VLAN
- Quality of Service(Qos)
- VPN

- Network Address Translation (NAT)
- 802.1X Authentication
- Port Link
- Web server type

LLDP

Introduction

LLDP (Link Layer Discovery Protocol) allows Ethernet network devices to receive and/or transmit device-related information to directly connected devices on the network that are also using the protocol, and store the information that is learned about other devices. Information gathered with LLDP is stored in the device as a management information database (MIB) and can be queried with the Simple Network Management Protocol (SNMP) as specified in RFC 2922. LLDP transmits information as packets called LLDP Data Units (LLDPDUs). An LLDPDU consists of a set of Type-Length- Value (TLV) elements, each of which contains a particular type of information about the device or port transmitting it.

LLDP -MED

LLDP -MED (Media Endpoint Discovery) is published by the Telecommunications Industry Association (TIA). It is an extension to LLDP that operates between endpoint devices and network connectivity devices. LLDP -MED specifically provides support for voice over
IP (VoIP) applications and provides the following capabilities:

- Capabilities Discovery—allows LLDP -MED endpoints to determine the capabilities that the connected device supports and has enabled. It can be used to indicate whether the connected device is a phone, a switch, a repeater, etc.
- Voice VLAN Configuration—provides a mechanism for a switch to notify a device which VLAN to use, which enables —plug and playǁ networking.
- Power Management—provides information related to how the device is powered, power priority, and how much power the device needs.
- Inventory Management—provides a means to manage device and the attributes of the device such as model number, serial number, software revision, etc.
- Location Identification Discovery—provides location information from the switch to the device when making an emergency call.

LLDP Feature on IP Phones

IP phones support LLDP. LLDP provides exceptional interoperability benefits, IP telephony troubleshooting, automatic deployment of policies and advanced PoE (Power over Ethernet). When LLDP feature is enabled on IP phones, the IP phones periodically advertise their own information to the directly connected LLDP -enabled switch. The IP phones can also receive LLDP packets from the connected switch. When the application type is “voice”, IP phones decide whether to update the VLAN configurations obtained from the LLDP packets. When the VLAN configurations on the IP phones are different from the ones sent by the switch, the IP phones perform an update and reboot. This allows IP phones to be plugged into any switch, obtain their VLAN IDs, and then start

communications with the call control.

Supported TLVS of IP Phones

TLVs supported by IP phones are summarized in the following table:

TLV Name	TLV Type	Description
Mandatory TLVs	Chassis ID	Specifies the IP address of the sending port.
	Port ID	Specifies the MAC address of the IP phone.
	Time To Live	Specifies the life of the transmitted information on the IP phone. The default value is 180sec.
	End of LLDPDU	Marks the end of the TLV sequence in the LLDPDU. No further processing of TLVs after this is necessary. This is a mandatory TLV and therefore must be present at the end of the data stream.
Optional TLVs	System Name	Specifies the administratively-assigned name for the IP phone The default value is “UCVxx”
	System Description	Specifies the description of the IP phone. The default value is IP Phone
	System Capabilities	Specifies the supported and enabled capabilities of the IP phone. The supported capabilities are Bridge, Router and Telephone. The enabled capabilities are Bridge and Telephone by default.
	Port Description	Specifies the description of the sending port. The default value is “WAN PORT”
IEEE Std 802.3 Organizationally Specific TLV	MAC/PHY Configuration/Status	Specifies duplex and bit rate settings of the IP phone. The Auto Negotiation is supported and enabled by default. The advertised capabilities of PMD Auto-Negotiation are: 100BASE-TX (full duplex mode) 100BASE-TX (half duplex mode) 10BASE- T (full duplex mode) 10BASE- T (half duplex mode)
LLDP -MED TLVs	Media Capabilities	Specifies the MED device type of the IP phone and the supported LLDP -MED TLV type can be encapsulated in LLDPDU. The supported LLDP -MED TLV types are: ● LLDP -MED Capabilities ● Network Policy ● Extended Power via MDI-PD ● Inventory

	Network Policy	Specifies the port VLAN ID, application type, L2 priority and DSCP value.
	Extended Power-via-MDI	Specifies power type, source, priority and value.
	Inventory – Firmware Revision	Specifies the firmware revision of IP phone.
	Inventory – Serial Number	Specifies the serial number of IP phone.
	Inventory – Manufacturer Name	Manufacturer name of IP phone.
	Inventory – Model Name	Specifies the model name of IP phone.
	Asset ID	Specifies the asset identifier of IP phone. The default value is “asset”.

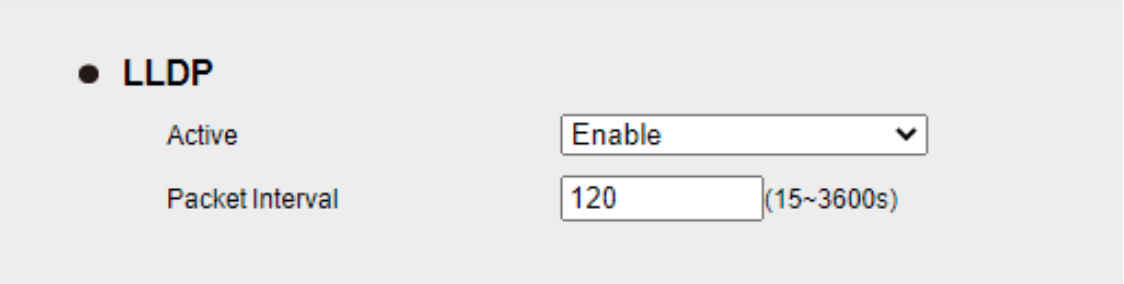
Procedure

LLDP can be configured using the configuration file or web

Configuration file		Configure LLDP feature
Web Interface		Configure LLDP feature via web interface

To configure LLDP via web interface:

1. Click on Network->Advanced.
2. In the LLDP block, select the desired value from the pull-down list of Active.
3. Enter the desired time interval in the Packet Interval(15~3600s)field
4. Click SaveSet to accept the change.
5. Reboot the IP phone that the setting will take effect.



CDP

Introduction

CDP (Cisco Discovery Protocol) allows IP phones to receive and/or transmit device-related information from/to directly connected devices on the network that are also using the protocol, and store the information about other devices.

If the CDP feature is enabled on IP phones, the IP phones will periodically advertise their own information to the directly connected CDP-enabled switch. The IP phones can also receive CDP packets from the connected switch. If the VLAN configurations on the IP phones are different from the ones sent by the switch, the IP phones will perform an update and reboot. This allows you to plug the IP phones into any switch, obtain their

VLAN IDs, and then start communications with the call control.

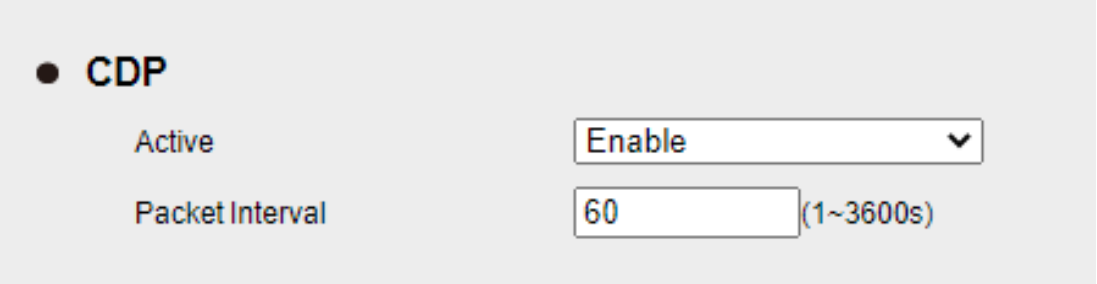
Procedure

CDP can be configured using the configuration file or web.

Configuration file		Configure CDP feature
Web Interface		Configure CDP feature via web interface

To configure CDP via web interface:

1. Click on Network->Advanced.
2. In the CDP block, select the desired value from the pull-down list of Active.
3. Enter the desired time interval in the Packet Interval(1~3600s)field
4. Click SaveSet to accept the change.
5. Reboot the IP phone that the setting will take effect.



VLAN

VLAN [1](Virtual Local Area Network) is used to logically divide a physical network into several broadcast domains. VLAN membership can be configured through software instead of physically relocating devices or connections. VLANs address issues such as scalability, security, and network management. Routers in VLAN topologies provide broadcast filtering, security, address summarization, and traffic-flow management. By using VLANs, one can control traffic patterns and react quickly to relocations. VLANs provide the flexibility to adapt to changes in network requirements and allow for simplified administration.

The purpose of VLAN configurations on the IP phone is to insert tag with VLAN information to the packets generated by the IP phone. When VLAN is properly configured for the ports (internet port and PC port)on the IP phone, the IP phone will tag all packets from these ports with the VLAN ID. The switch receives and forwards the tagged packets to the corresponding VLAN according to the VLAN ID in the tag as described in IEEE Std 802.3.

The VLAN feature on IP phones allows simultaneous access for a regular PC. This feature allows a PC to be daisy chained to an IP phone and the connection for both PC and IP phone to be trunked through the same physical Ethernet cable.

In addition to manual configuration, the IP phone also supports automatic discovery of VLAN via LLDP/CDP or DHCP. The assignment takes place in this order: assignment via LLDP/CDP, manual configuration, then assignment via DHCP.

WAN Port

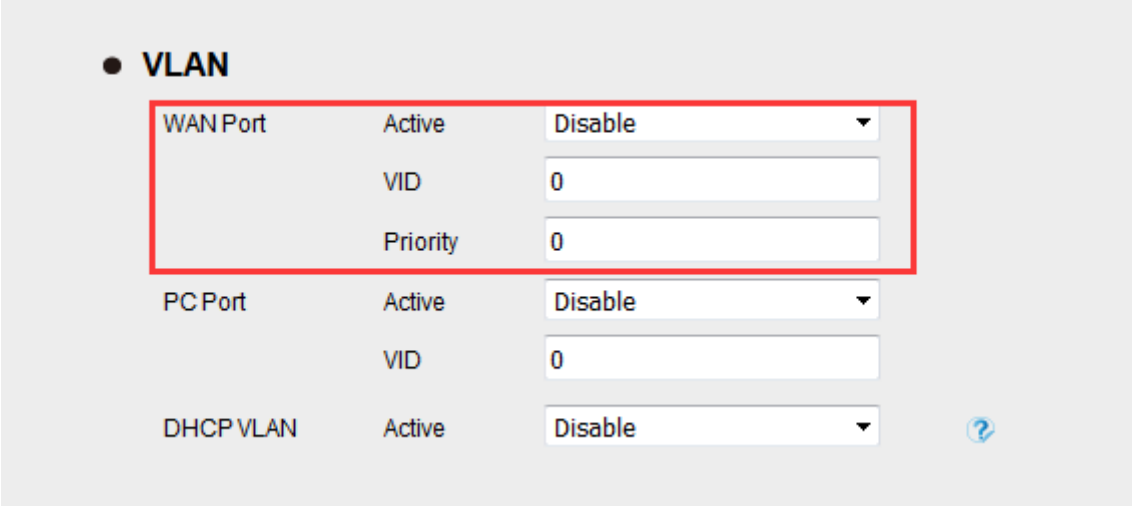
Procedure

WAN Port can be configured using the configuration file or web or the phone

Configuration file		Configure WAN port
Web Interface		Configure WAN Port discovery feature via web
Phone Interface		Configure WAN Port discovery feature via phone

To configure VLAN for WAN port via web interface:

1. Log into the web interface.
   The default user name and password are both “admin”
2. Click on Network->Advanced.
3. In the WAN port block, select the desired value from the pull-down list of Active.
4. Enter the desired VID in the VID(0-4095) field.
5. Enter the desired priority in the priority(0-7) field.



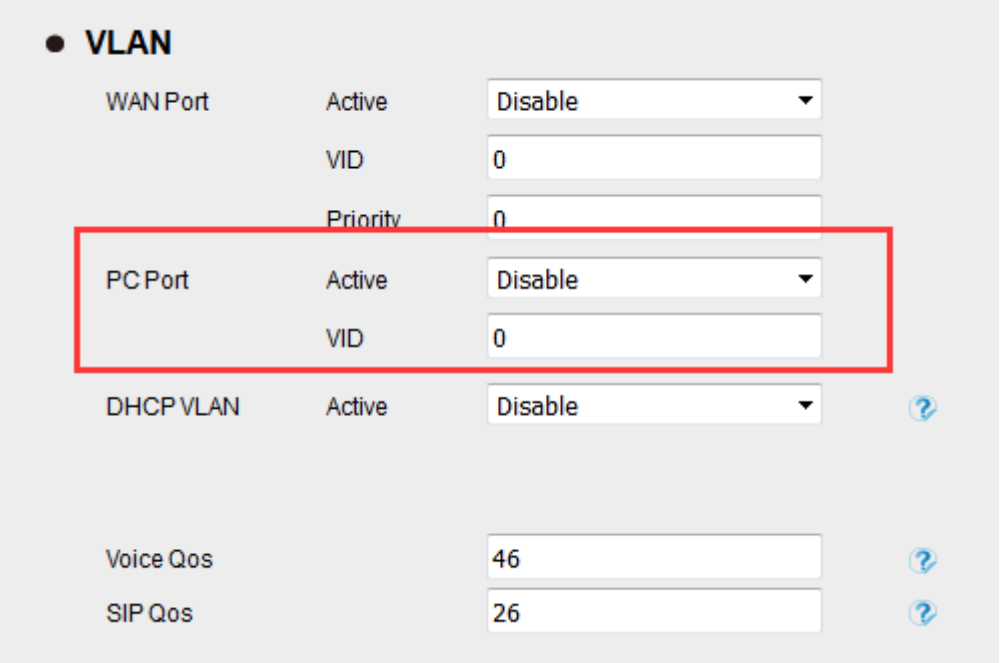
PC Port

Procedure

Configuration file		Configure PC port
Web Interface		Configure PC Port discovery feature via web
Phone Interface		Configure PC Port discovery feature via phone

To configure VLAN for PC port via web interface:

1. Log into the web interface. The default user name and password are both “admin”
2. Click on Network->Advanced.
3. In the PC port block, select the desired value from the pull-down list of Active.
4. Enter the desired VID in the VID field.



DHCP VLAN

IP phones support VLAN discovery via DHCP. When the VLAN Discovery method is set to DHCP, the IP phone will detect DHCP option for a valid VLAN ID. The predefined option 132 is used to supply the VLAN ID by default. You can customize the DHCP option used to detect the VLAN ID.

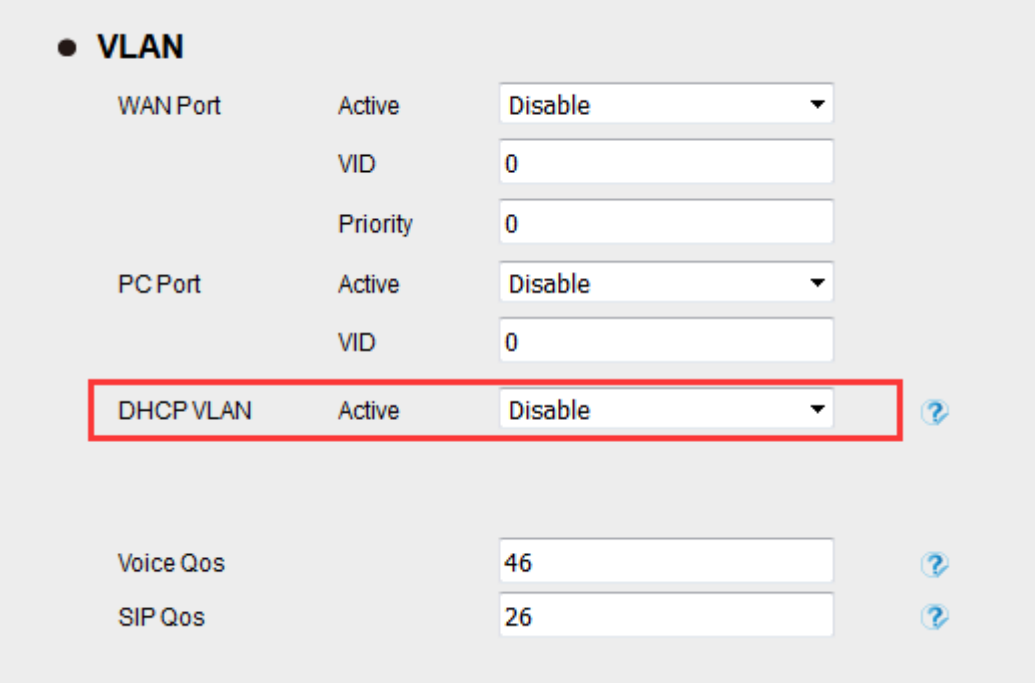
Procedure

DHCP VLAN can be configured using the configuration file or web.

Configuration file		Configure DHCP VLAN discovery feature
Web Interface		Configure DHCP VLAN discovery feature via web
Phone Interface		Configure DHCP VLAN discovery feature via phone

To configure VLAN for DHCP VLAN via web interface:

1. Log into the web interface. The default user name and password are both “admin”
2. Click on Network->Advanced.
3. In the DHCP VLAN port block, select the desired value from the pull-down list of Active.
4. Click SaveSet to save the configuration.



Open the DHCP VLAN on the IP Phones

DHCP VLAN is No on IP phones by default. You can open DHCP VLAN via web interface. The DHCP option is 132.

QOS

Quality of service (QoS) is the overall performance of a telephony or computer network, particularly the performance seen by the users of the network.

Quality of service is particularly important for the transport of traffic with special requirements. QoS guarantees are important for applications that require fixed bit rate and are delay sensitive when the network capacity is insufficient.

To quantitatively measure quality of service, several related aspects of the network service are often considered, such as error rates, bandwidth, throughput, transmission delay, availability, jitter, etc.

The Best-Effort service is the default QoS model in the IP networks. It provides no guarantees for data delivering, which means delay, jitter, packet loss and bandwidth allocation are unpredictable. Differentiated Services (DiffServor DS)is the most widely used QoS model. It provides a simple and scalable mechanism for classifying and managing network traffic and providing QoS on modern IP networks. Differentiated Services Code Point(DSCP)is used to define DiffServ classes and stored in the first six bits of the ToS (Type of Service) field. Each router on the network can provide QoS simply based on the DiffServ class. The DSCP value ranges from 0 to 63with each DSCP specifying a particular per-hop behavior (PHB) applicable to a packet. A PHB refers to the packet scheduling, queuing, policing, or shaping behavior of a node on any given packet.

Voice and SIP Qos

Voice QoS

In order to make VoIP transmissions intelligible to receivers, voice packets should not be dropped, excessively delayed, made to suffer varying delay. DiffServ model can guarantee high-quality voice transmission when the voice packets are configured to a higher DSCP value.

SIP Qos

SIP protocol is used for creating, modifying and teminating two-party or multi-party sessions.

To ensure good voice qulity, SIP packets emanated from IP phones should be configured with

a high transmission priority.

DSCPs for voice and SIP packets can be specified respectively.

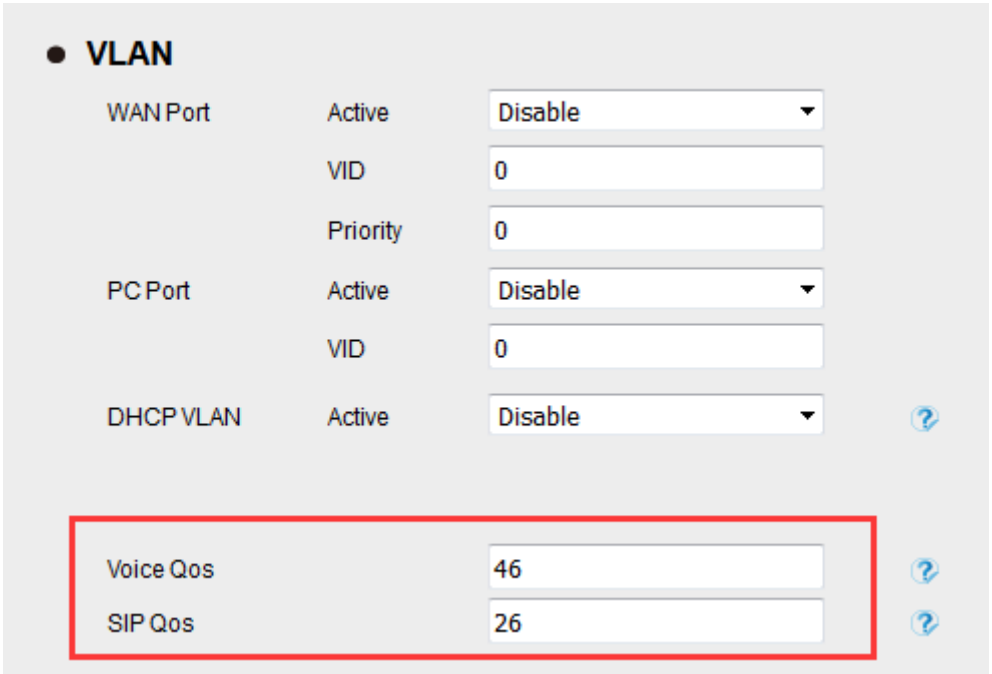
Procedure

VLAN can be configured using the configuration file or web.

Configuration file		Configure Voice and SIP Qos discovery feature
Web Interface		Configure Voice and SIP Qos discovery feature via web
Phone Interface		Configure Voice and SIP Qos discovery feature via phone

To configure VLAN for Voice and SIP Qos via web interface:

1. Log into the web interface. The default user name and password are both “admin”.
2. Click on Network->Advanced.
3. Enter the desired ID in the Voice Qos(0-63) field.
4. Enter the desired ID in the SIP QOs(0-63) field.
5. Click SaveSet to accept the change.



VPN

Open VPN is an open source software application that implements virtual private network (VPN) techniques for creating secure point-to-point or site-to-site connections in routed or bridged configurations and remote access facilities. It uses a custom security protocol that utilizes SSL/TLS for key exchange. It is capable of traversing network address translators (NATs) and firewalls. If Open the VPN for the phone, the phone can access to the company's internal network, and register the accounts and make calls. For the server configuration please consult the server vendors.

For example: branch, dealers, partners and customers, town on business personnel request register to internal sip server to more convenient access to network resources of enterprises, the Open VPN meet with it.

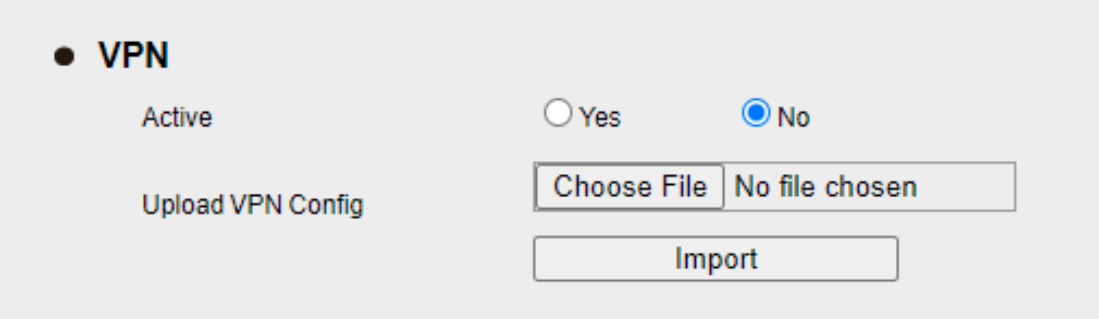
Procedure

VPN can be configured using the configuration file, web or phone.

Configuration file		Enable VPN feature
Web Interface		Enable VPN feature and upload a tar package to the IP phone via web interface
Phone Interface		Enable VPN feature via phone interface

To load the tar file and enable the VPN feature via web interface

1. Click network->Advanced
2. In the VPN block, select the Yes in the Active field
3. Click SaveSet to save the configuration.



NAT

Network Address Translation (NAT), also known as IP Network masking or masking (IP masquerading), is a IP packets through a router or a firewall to rewrite the source IP Address or the destination IP Address. This technique is widely used in multiple hosts but only through a public IP address to access the Internet in the private network.

The NAT feature ensures security since each outgoing or incoming request must first go through a translation process. But in the VoIP environment, NAT break send-to-end connectivity

NAT Traversal

NAT traversal (sometimes abbreviated as NAT-T) is a general term for techniques that establish and maintain Internet protocol connections traversing network address translation (NAT) gateways, which break end-to-end connectivity. NAT traversal techniques are typically required for client-to-client networking applications. STUN is one of the NAT traversal techniques supported by IP phones.

STUN

STUN (Session Traversal Utilities for NAT) is a standardized set of methods and a network protocol to allow an end host to discover its public IP address if it is located behind a NAT. It is used to permit NAT traversal for applications of real-time voice, video, messaging, and other interactive IP communications.

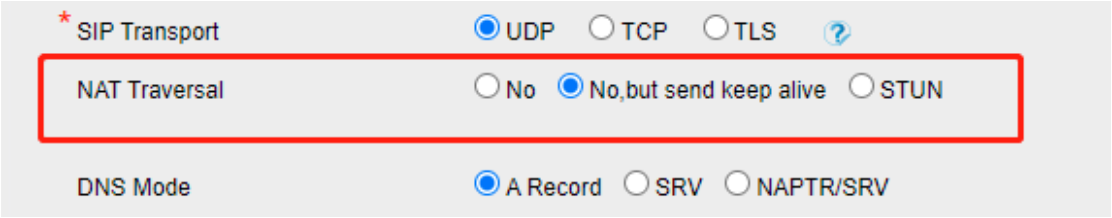
The STUN protocol allows applications operating behind a network address translator (NAT) to discover the presence of the network address translator and to obtain the mapped (public) IP address (NAT address) and port number that the NAT has allocated for the application's User Datagram Protocol (UDP) connections to remote hosts.

The NAT traversal and STUN server are configurable on a per-account.

Procedure

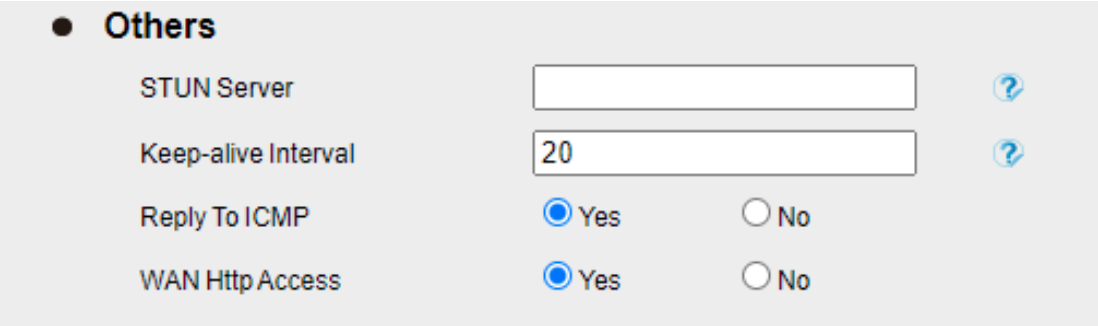
NAT traversal and STUN server can be configured using the configuration file or web.

Configuration file		Configure NAT traversal and STUN server
Web Interface		Configure NAT traversal and STUN server via web interface



To configure STUN server via web interface:

1. Click on Network->Advanced.
2. In the others block, Enter the IP address or the domain name in the STUN Server field.
3. Enter the desired value in the Keep-alive Interval field.
4. Click SaveSet to save the configuration.



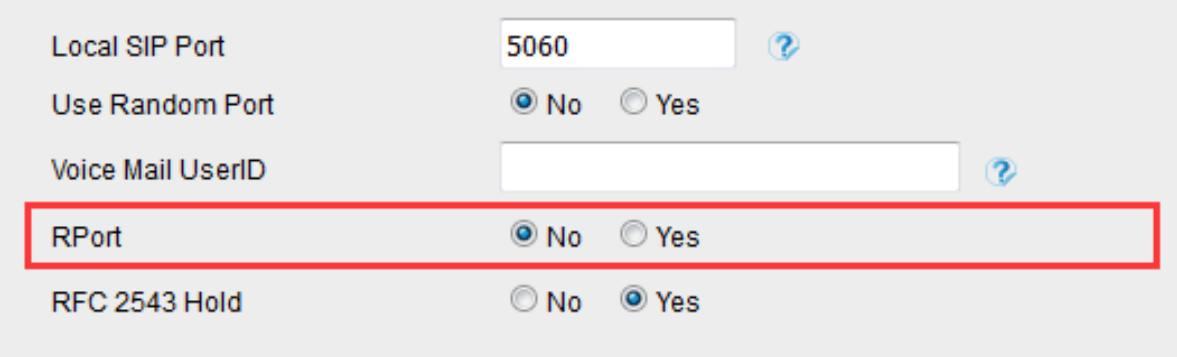
RPort

The Session Initiation Protocol (SIP) operates over UDP and TCP. When used with UDP, responses to requests are returned to the source address the request came from, and returned to the port written into the topmost “Via” header of the request message. However, this behavior is not desirable when the client is behind a Network Address Translation (NAT) or firewall. So a new parameter “Rport” for the “Via” header field is required. Rport feature depends on support from a SIP server.

Procedure

Rport can be configured using the configuration file or web.

Configuration file		Configure Rport
Web Interface		Configure Rport via web interface



802.1 x

IEEE 802.1X is an IEEE Standard for Port-based Network Access Control (PNAC). It is part of the IEEE 802.1 group of networking protocols. It provides an authentication mechanism to devices wishing to attach to a LAN or WLAN.
802.1X authentication involves three parties: a supplicant, an authenticator, and an authentication server. The supplicant is a client device (such as a laptop) that wishes to attach to the LAN/WLAN - though the term 'supplicant' is also used interchangeably to refer to the software running on the client that provides credentials to the authenticator. The authenticator is a network device, such as an Ethernet switch or wireless access point; and the authentication server is typically a host running software supporting the RADIUS and EAP protocols. If the authentication server determines the credentials are valid, the supplicant (client device) is allowed to access resources located on the

protected side of the network

IP phones support protocols EAP-MD5,EAP-TLS,EAP-PEAP/MSCHAPV2,EAP-TTLS/ EAP- MSCHAPV2, EAP-PEAP/GTC, EAP-TTLS/EAP-GTC,EAP-FAST for 802.1X authentication.

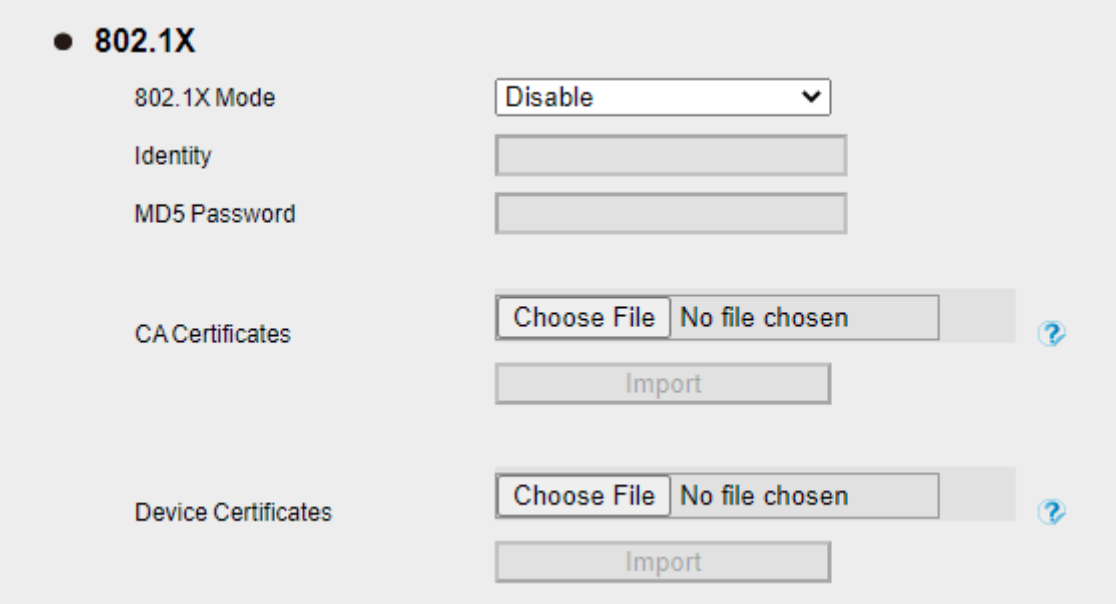
Procedure

802.1X authentication can be configured using the configuration file, web or phone.

Configuration file		Configure 802.1X authentication
Web Interface		Configure 802.1X authentication via web interface
Phone Interface		Configure 802.1X authentication via phone interface

To configure 802.1X authentication via web Interface:

1. Click on Network->Advanced.
2. In the Others block, Select the desired protocol from the pull-down list of 802.1X Mode
3. Enter the username for authentication in the Identity field.
4. Enter the password for authentication in the MD5 Password field.
5. Click SaveSet to save the configuration.



Port Link

Procedure

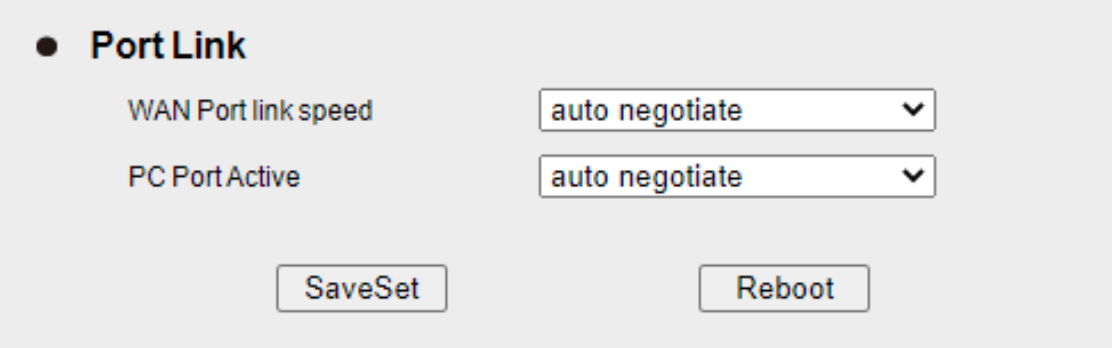
Port Link can be configured using the configuration file, web or phone.

Configuration file		Configure Port Link
Web Interface		Configure Port Link via web interface

To configure Port Link via web Interface:

1. Click on Network->Advanced.
2. In the Others block, Select the desired speed from the pull-down list of WAN Port link speed

3. Select the desired PC Port Active from the pull-down list of PC Port Active
4. Click SaveSet to save the configuration.



Web server type

Web server type determines access permission of the IP phone's web interface. IP phones support both HTTP and HTTPS protocols for accessing the web interface. HTTP is an application protocol that runs on top of the TCP/IP suite of protocols. HTTPS is a web protocol that encrypts and decrypts user page requests as well as the pages returned by the web server. Both the HTTP and HTTPS port numbers are configurable.

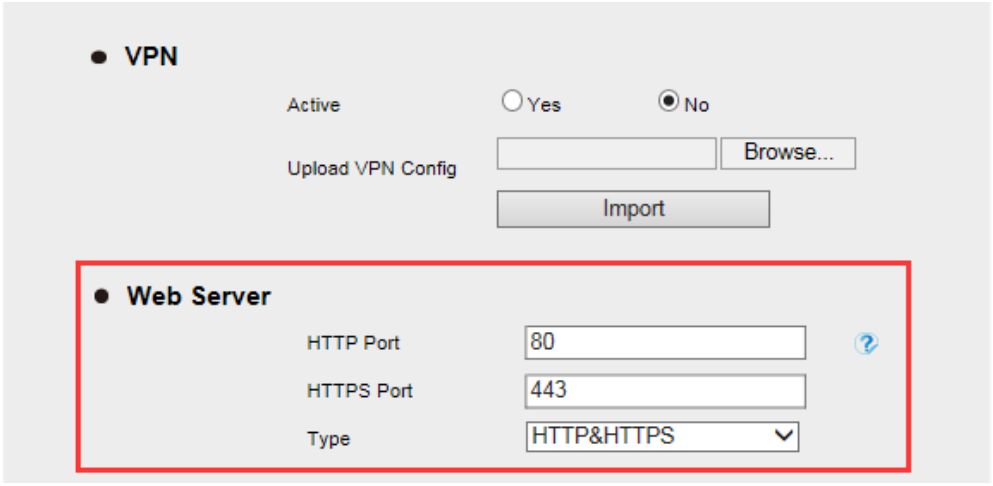
Procedure

Web server type can be configured using the configuration file or web.

Configuration file		Specify the web access type, HTTP port and HTTPS port. Please refer to Web server type
Web Interface		Specify the web access type, HTTP port and HTTPS port.
Phone interface		Specify the web access type

To specify the web access type via web interface

1. Click on the Network→Advanced
2. Enter the HTTP port and HTTPS port in the HTTP port and HTTPS port field
   The default HTTP port is 80
   The default HTTPS port is 443
3. Select the desired value from the pull-down list of type
4. Click SaveSet to save the configuration.



Dial Plan

Regular expression, often called a pattern, is an expression that specifies a set of strings. A regular expression provides a concise and flexible means to “match”(specify and recognize) strings of text, such as particular characters, words, or patterns of characters. Regular expression is used by many text editors, utilities, and programming languages to search and manipulate text based on patterns.

Regular expression can be used to define IP phone dial plan. Dial plan is a string of characters that governs the way for IP phones to process the inputs received from the IP phone’s keypads. This phone supports dial plan with following accept digits: 1,2,3,4,5,6,7,8,9,0,*,#

You need to know the following basic regular expression syntax when creating dial plan:

Grammar	Description
x	any digit from 0-9;
xx+	at least 2 digit number;
^	exclude;
,	hear dial tone;
[3-5]	any digit of 3, 4, or 5;
[147]	any digit 1, 4, or 7;
<2=011>	replace digit 2 with 011 when dialing.

Dial-now

Dial-now is a string used to match the numbers entered by the user. When entered numbers match the predefined dial plan, IP phones will automatically dial out the numbers without pressing the send key.

- **Dial-now Time-out**

IP phones will automatically dial out the entered number, which matches the dial plan, after a specified period of time.

- **No key Time-out**

IP phones will automatically dial out the entered number after a specified period of time.

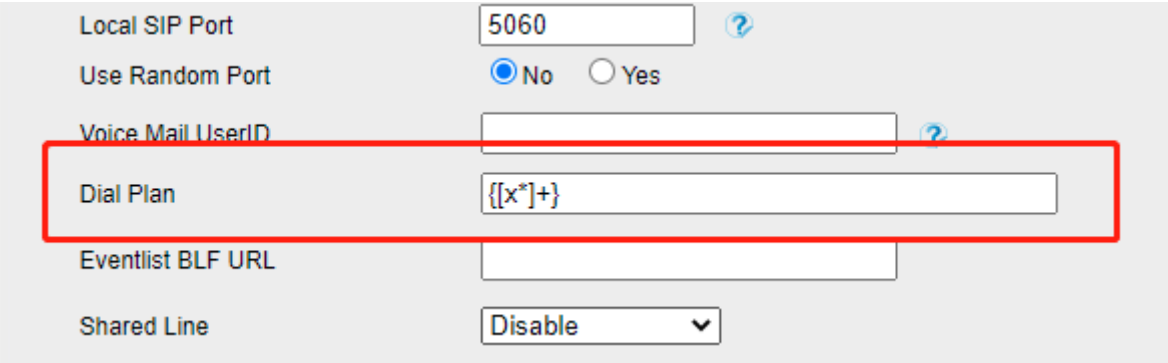
Procedure

Dial plan can be created using the configuration files web or phone.

Configuration file	Cfgmac.xml	Configure Dial plan on the IP phone. For more information, refer to Dial plan on page248.
Web Interface		Configure Dial plan via web interface.

To create a dial plan rule via web interface:

1. Click Account→Basic→Dial Plan.
2. Filled the value in dial plan field.
3. Click SaveSet to save the configuration.



Note:

Illegal input will fall back to default: {[x*]+}.

To configure the time-out for the Dial plan rule via web interface:

1. Click the Setting->Preference:
2. Set the time:

3. Click SaveSet to save the configuration.

If you create a dial plan, you set the No Key Entry Time-out:5, Dial-now Time-out:0, then when you enter the number, the number will dial out after 5 seconds

If you create a dial plan, you set the Dial-now Time-out:2, then when you enter the number, which matches the dial-now rule, after 2 seconds

SpeedDial Detect Digitmap

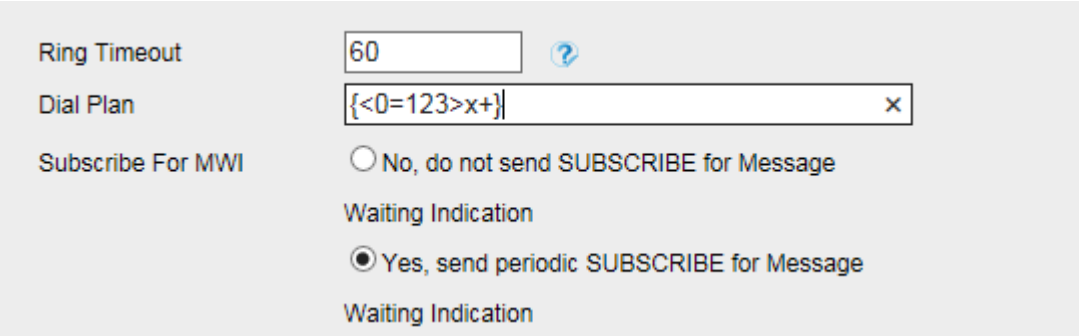
When the called number we dialed meets one of the dial plans defined by DigitMap, then this number will correctly dial out. If the calling number dialed by the calling party does not meet any of the dial plans defined by DigitMap, the MG will release the call directly and send an empty tone to the calling party. If set to Enable, Speed Dial/BLF will match to the digit map.

Procedure

SpeedDial Detect Digitmap can be created using the configuration files or web.

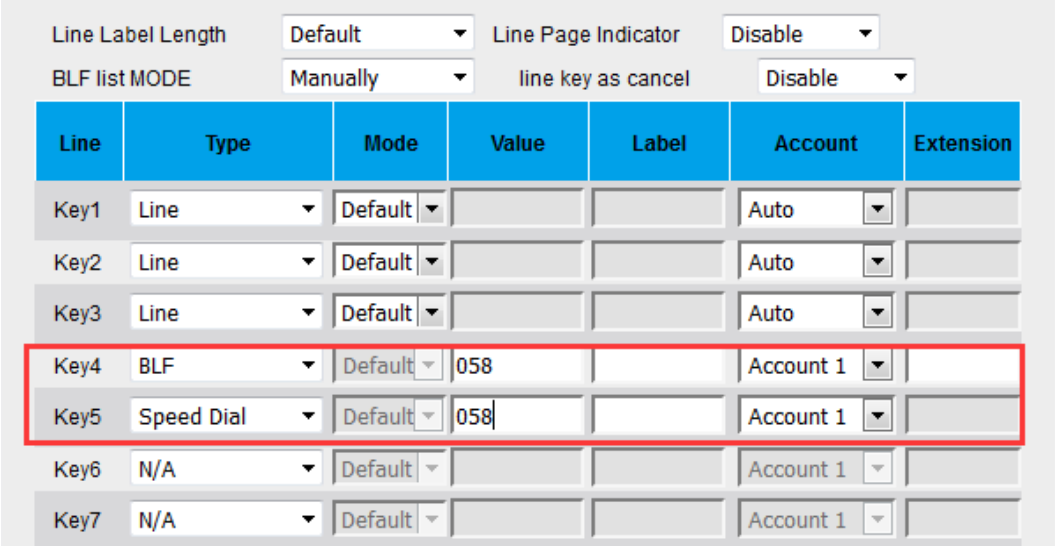
Configuration file	Cfgmac.xml	Configure SpeedDial Detect Digitmap on the IP phone. For more information, refer to SpeedDial Detect Digitmap
Web Interface		Configure SpeedDial Detect Digitmap on the IP phone.

To configure the SpeedDial Detect Digitmap via web interface:



1. Click the Setting->Preference->SpeedDial Detect Digitma(Enable)

2. Click Function Keys → Line key.
3. Select the desired Line key and select SpeedDial in the Type.
4. Enter the corresponding code in the value field.
5. Select the desired corresponding account from the pull-down list of Account.
6. Click SaveSet to save the configuration.



Configuring Basic Features

This chapter provides information for making configuration changes for the following basic features:

- LED Instruction
- Wallpaper
- Backlight
- User Password
- Administrator Password
- Phone Lock
- Time and Date
- Language
- Logo Customization
- Softkey Layout
- Key as Send and as %23
- Hotline
- Call Log
- Missed Call Log
- Local Directory
- Call Waiting
- Auto Redial
- Remote Control
- Call Completion
- Auto Answer
- Anonymous Call
- Anonymous Call Rejection
- Do Not Disturb
- Busy Tone Delay
- Return Code When Refuse
- Early Media
- 180 Ring Workaround
- Use Outbound Proxy in Dialog
- SIP Session Timer
- Session Timer
- Call Hold
- Call Forward
- Call Transfer
- Network
- Conference
- Transfer on Conference Hang Up
- Directed Call Pickup
- Group Call Pickup
- Dialog-Info Call Pickup

- Call Return
- Call Park
- Call Back
- Web Server Type
- Calling Line Identification
- Presentation
- Connected Line Identification
- Presentation
- DTMF
- Suppress
- DTMF
- Display
- Transfer via DTMF
- Intercom
- Sip Send Mac
- Detect IP Conflict

LED Instruction

Power indicator LED indicates power status and phone status. There are six configuration options for power indicator LED:

Power Status

Power Status allows the power indicator LED to be turned on.

Ringing Status

Ringing Status allows the power indicator LED to flash when the IP phone receives an incoming call. If this option is NO, the status of the power indicator LED is determined by the option “Power Status”.

MissCalls Status

MissCalls Status allows the power indicator LED to flash when the IP Phone have a missed call. If this option is NO, the status of the power indicator LED is determined by the option “Power Light On”.

Voice Message Status

Voice Message Status allows the power indicator LED to flash when the IP Phone have a Voice Message. If this option is NO, the status of the power indicator LED is determined by the option “Power Light On”.

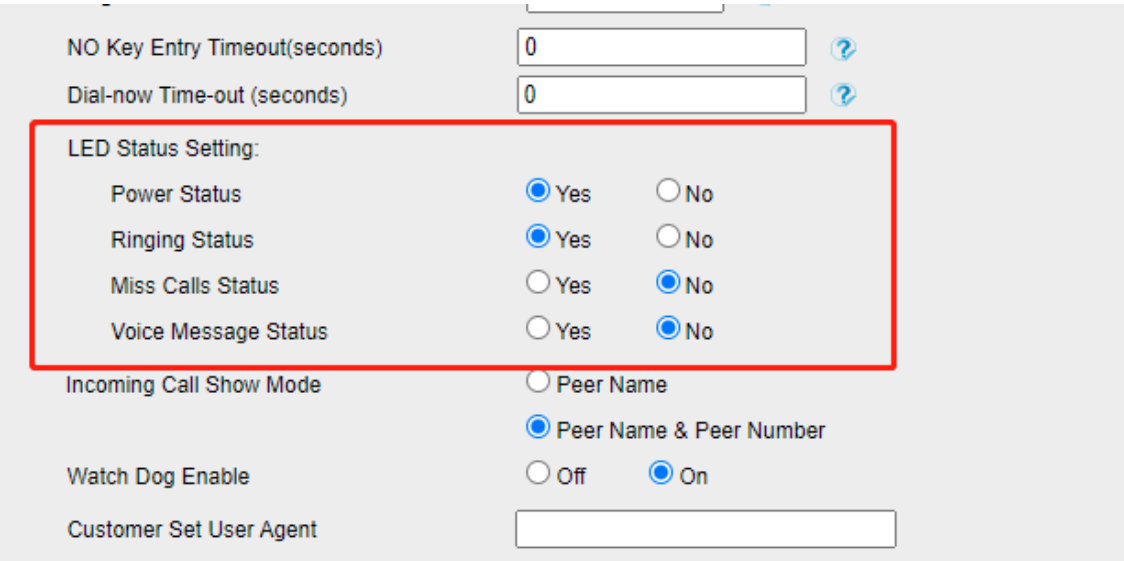
Procedure

LED Instruction can be created using the configuration files or web.

Configuration file	Cfgmac.xml	Configure LED Instruction on the IP phone. For more information, refer to LED Instruction.
Web Interface		Configure LED Instruction on the IP phone.

To configure the LED Status via web interface:

1. Click the Setting->Preference-> LED Status Setting:



2. Set the LED status you want to set, then click the 

button to accept the change.

Wallpaper

Wallpaper is an image used as the background of the phone idle screen. Users can select an image from IP phone's built-in background or upload wallpaper from web.

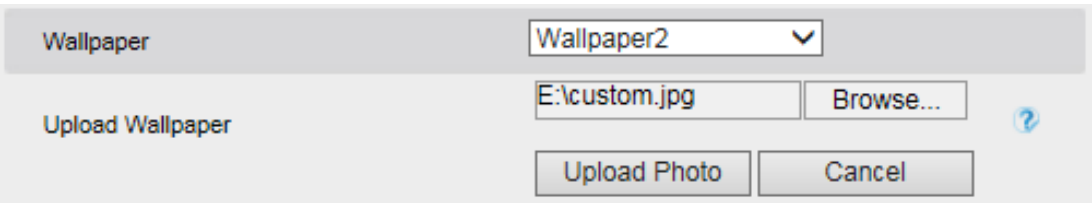
Procedure

Wallpaper can be created using the configuration files or web.

Configuration file	Cfgmac.xml	Specify the access URL of the custom wallpaper. Specify the wallpaper for the phone interface and the web interface. For more information, refer to access URL of the custom wallpaper.
Web Interface		Upload/Change/Delete the wallpaper via web interface
Phone interface		Change the wallpaper via phone interface.

To upload wallpaper via web interface:

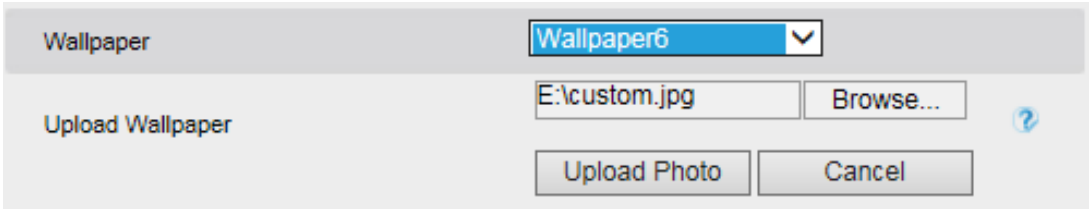
1. Click the Setting->Preference:
2. In the Upload Wallpaper (480*320) field, click Browse to locate the wallpaper image from your local system.
3. Click Upload Photo to upload the file.



4. Click Confirm to accept the change. The custom wallpaper appears in the pull-down list of Wallpaper.

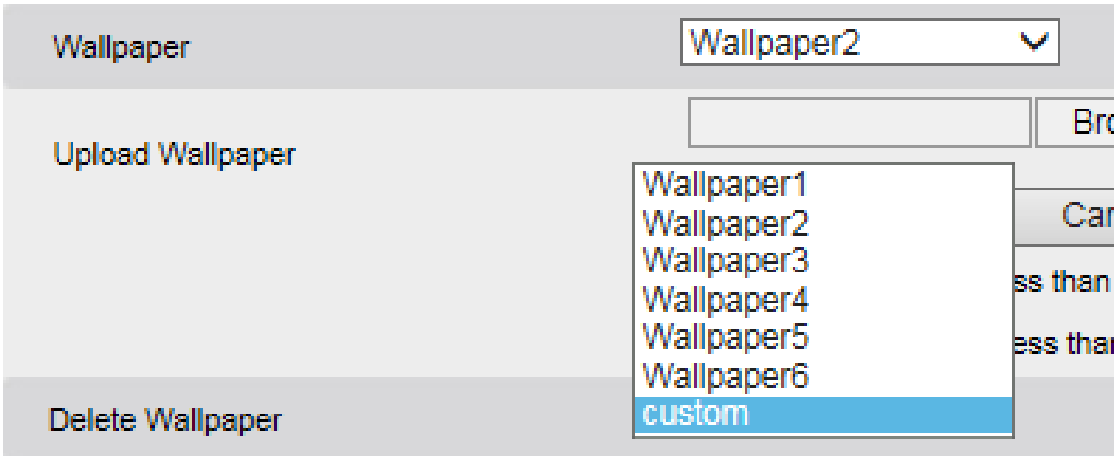
To change the wallpaper via web interface:

1. Click on Setting->Preference.
2. Select the desired wallpaper from the pull-down list of Wallpaper.



To delete the wallpaper via web interface:

1. Click on Setting->Preference.
2. Select the wallpaper from the pull-down list of Delete Wallpaper.



Note: Only can delete the wallpaper you uploaded.Wallpaper1-Wallpaper6 is built-in.

3. Click SaveSet button to accept the change.

Screensaver

Screensaver is an image used as when the IP Phone no operation for a long time, the IP Phone will enter the screen saver. Users can select an image from IP phone's built-in screensaver or upload screensaver from web

Procedure

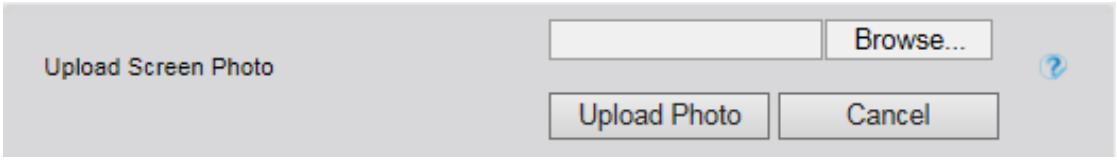
Screensaver can be created using the configuration files or web.

Configuration file	Cfgmac.xml	Specify the access URL of the custom Screensaver. Specify the screensaver for the phone interface and the web interface. For more information, refer to access URL of the custom Screensaver .
Web Interface		Upload/Change/Delete the Screensaver via web interface

Phone interface		Change the Screensaver via phone interface.

To upload Screensaver via web interface:

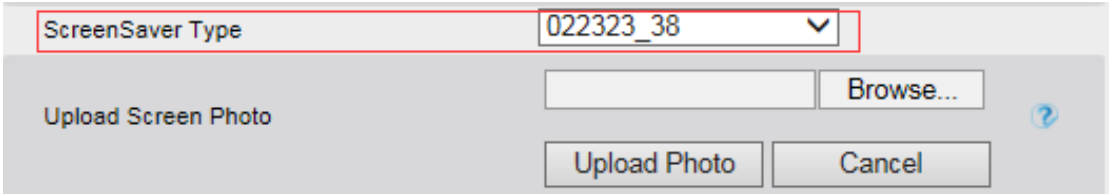
1. Click the Setting->Preference:
2. In the Upload Screensaver (480*320) field, click Browse to locate the Screensaver image from your local system.
3. Click Upload Photo to upload the file.



4. Click Confirm to accept the change. The custom Screensaver appears in the pull-down list of Screensaver

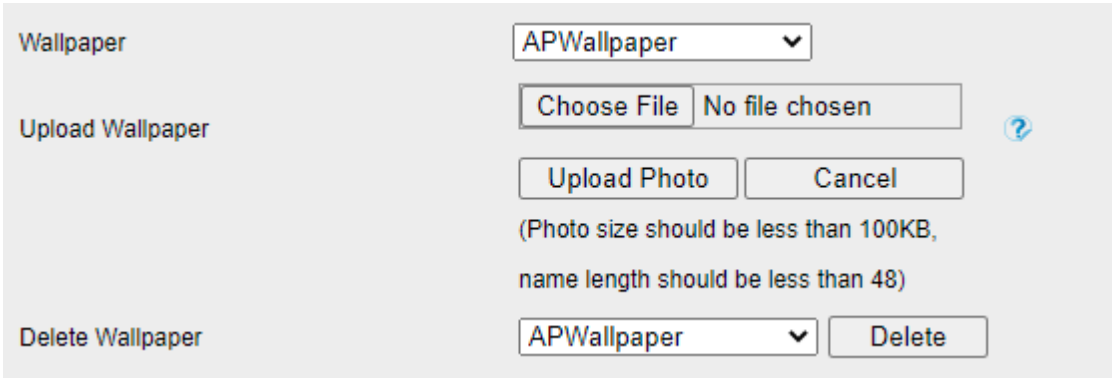
To change the Screensaver via web interface:

1. Click on Setting->Preference.
2. Select the desired Screensaver from the pull-down list of Screensaver.



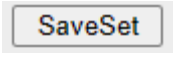
To delete the Screensaver via web interface:

1. Click on Setting->Preference.
2. Select the Screensaver from the pull-down list of Delete Screensaver.



Note:

Only can delete the Screensaver you uploaded. ScreenSaver photo1- ScreenSaver photo3 are built-in.

3. Click 

button to accept the change.

Screen Time Out

Screen Time Out specifies the time when the screen enters the screensaver.

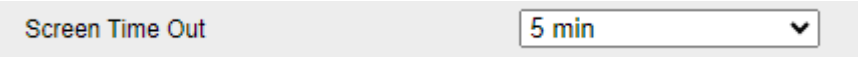
Procedure

Screen Time Out can be set using the configuration files or web.

Configuration file	Cfgmac.xml	Configure Backlight on the IP phone. For more information, refer to Screensaver.
Web Interface		Configure Screen Time Out via web interface

To set Screen Time Out via Web interface

1. **Setting→ Preference→ Screen Time Out**
2. Select desired Screen Time Out.
3. Press SaveSet to save the configuration.



Power Saving

The power saving feature is used to turn off the backlight to conserve energy. The phone enters power saving mode after it has been idle for a certain period of time.

If Power Saving is enabled and not within the office hour, the Off Hour Idle TimeOut takes effect.

If Power Saving is enabled but within the office hour or Power Saving is disabled, the Screen Time out takes effect.

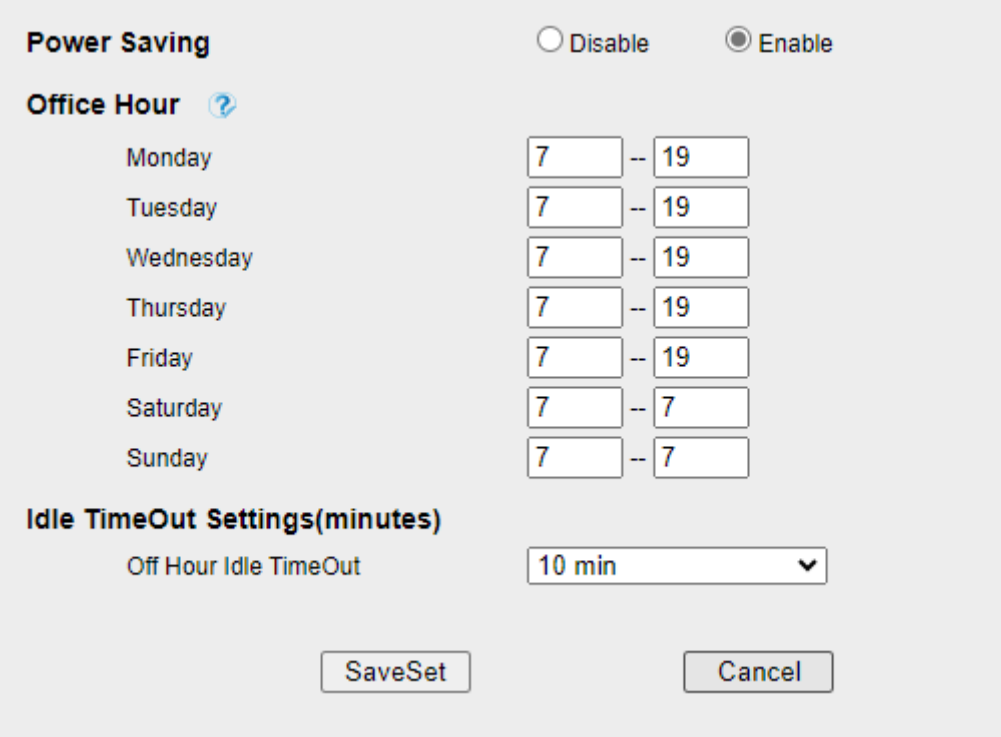
Procedure

Power Saving can be set using the configuration files or web.

Configuration file	Cfgmac.xml	Configure Backlight on the IP phone. For more information, refer to Settng Others
Web Interface		Configure Power Saving via web interface

To set power saving via Web interface

1. **Setting→ Power Saving**
2. Select **Power Saving** as Enable.
3. Choose Office Hour.
4. Select desired Off Hour Idle TimeOut.
5. Press SaveSet to save the configuration.



User Password

Some menu options are protected by two privilege levels, user and administrator, each with its own password. When logging into the web user interface, you need to enter the username and password to access various menu options. A user or an administrator can change the user password. The default user password is “1234”. For security reasons, the user or the administrator should change the default user password as soon as possible.

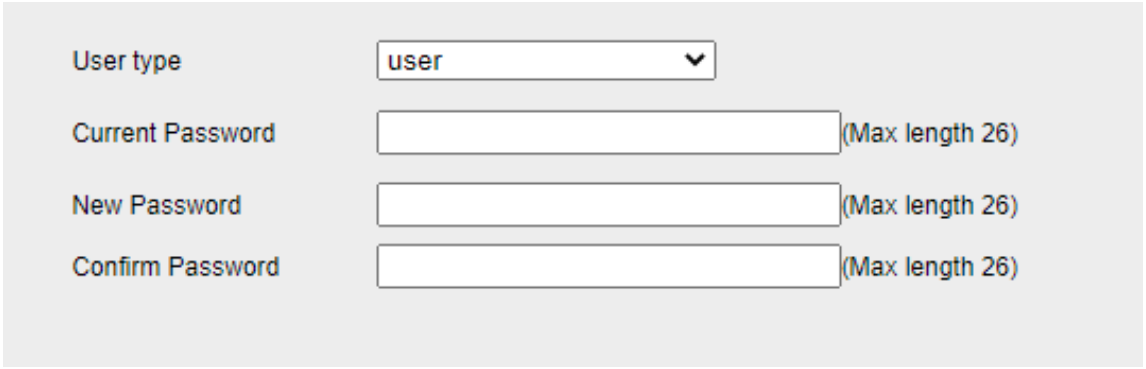
Procedure

User Password can be changed using the web.

Configuration file	Cfgmac.xml	Configure user password on the IP phone. For more information, refer to user password.
Web Interface		Configure user password via web

To change the user password via web interface:

1. Management → Password
2. Enter the current user password in the Old Password field.
3. Enter a new user password and Confirm password in the new Password and Confirm password field.
4. Click SaveSet to save the configuration.



Administrator Password

The password is mainly used for login the web interface or set the advanced settings through phone interface. The administrator password can only be changed by an administrator.

The default administrator password is “admin”. For security reasons, the administrator should change the default administrator password as soon as possible.

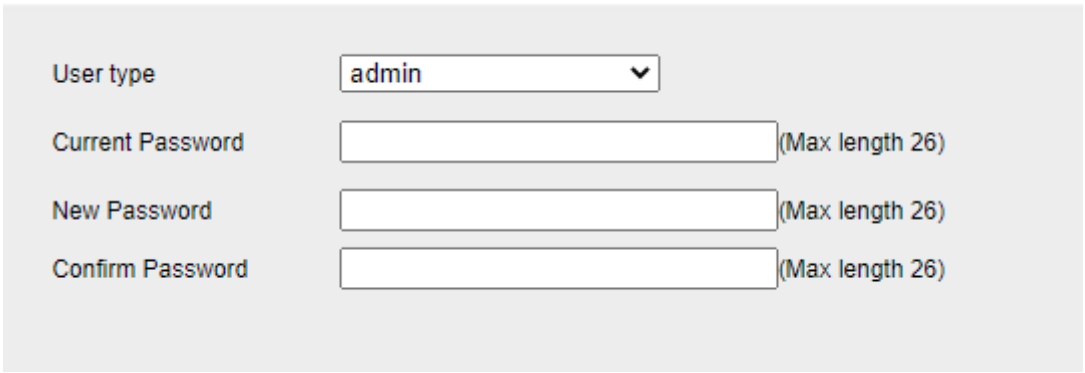
Procedure

Administrator Password can be changed using the configuration file, web or phone.

Configuration file	Cfgmac.xml	Configure administrator password on the IP phone. For more information, refer to administrator password.
Web Interface		Change administrator password via web interface
Phone Interface		Change administrator password via phone interface

To change the administrator password via web interface:

1. Management → Password
2. Enter the current administrator password in the Old Password field.
3. Enter a new administrator password in the New Password and Confirm Password fields.
4. Click SaveSet to save the configuration.



Phone lock

Phone lock is used to lock the IP phone to prevent it from unauthorized use. Once the IP phone is locked, a user must enter the password to unlock it. IP phones offer four types of phone lock: Menu Key, Function Keys, All Keys and Answer all only.

Procedure

Phone lock can be set using the configuration file, web or phone.

Configuration file	Cfgmac.xml	Configure phone lock on the IP phone. For more information, refer to phone lock
Web Interface		Configure phone lock via web interface
Phone Interface		Configure phone lock via phone interface

To configure phone lock via web interface:

1. Click Setting→Features→Phone Lock
2. Select the desired type from the pull-down list of Keypad Lock Type
3. Enter unlock password (numeric characters) in the Phone Unlock PIN (0~15 Digit) field.
4. Enter the desired time in the Auto Lock Time-Out (15~3600s) field.
5. Enter the emergency services number in the Emergency field
6. Click SaveSet to save the configuration.

Time and Date

IP phones maintain a local clock and calendar. Time and date are displayed on the idle screen of the IP phone. Time and date are synced automatically from the NTP server by default. The NTP server can be obtained by DHCP or configured manually. If IP phones cannot obtain the time and date from the NTP server, you need to manually configure them. The time and date display can use one of several different formats.

DHCP Option 100

DHCP Option 100 is the highest priority higher than DHCP Time and Time Zone.

Procedure

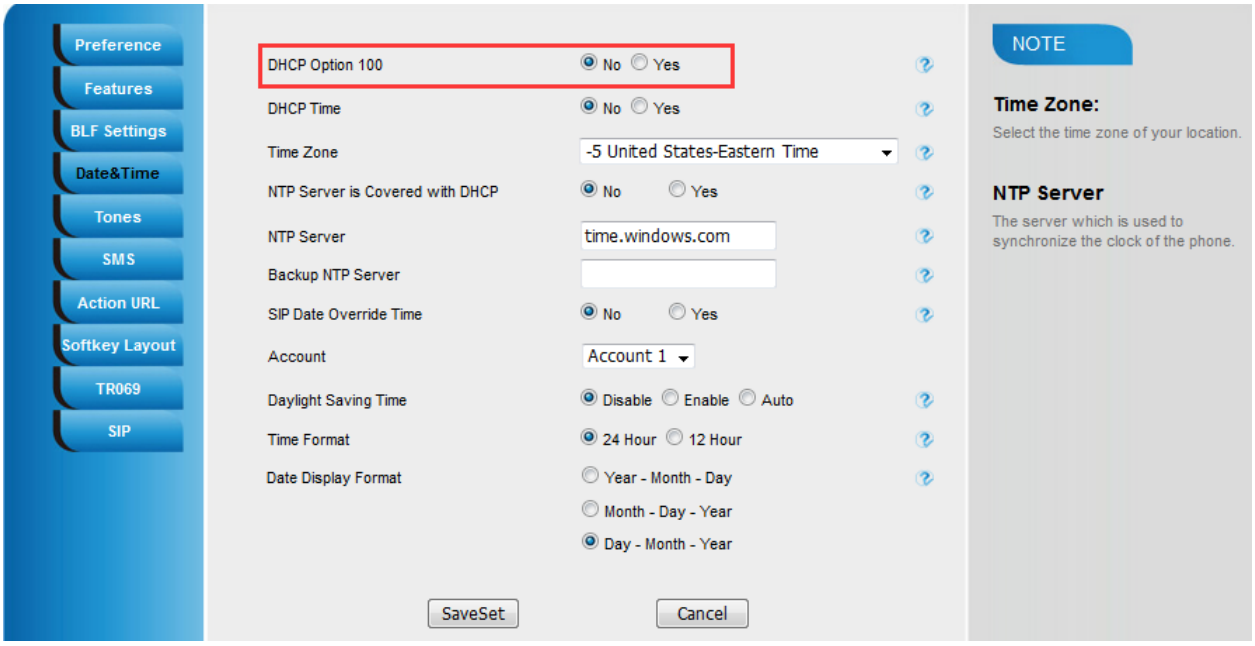
DHCP Option 100 can be set using the configuration file, web

Configuration file	Cfgmac.xml	Configure DHCP Option 100 on the IP

		phone. For more information, refer to DHCP Option 100
Web Interface		Configure DHCP Option 100 via web interface

To configure phone lock via web interface:

1. Click on Setting->Date & Time.
2. Select the No/Yes in DHCP Option 100 field.
3. Click SaveSet to save the configuration



SIP Date Override Time

If this function is enabled, the phone time will be obtained from the sip server where the account is located. Allow DHCP Option 42 To Override NTP Server.

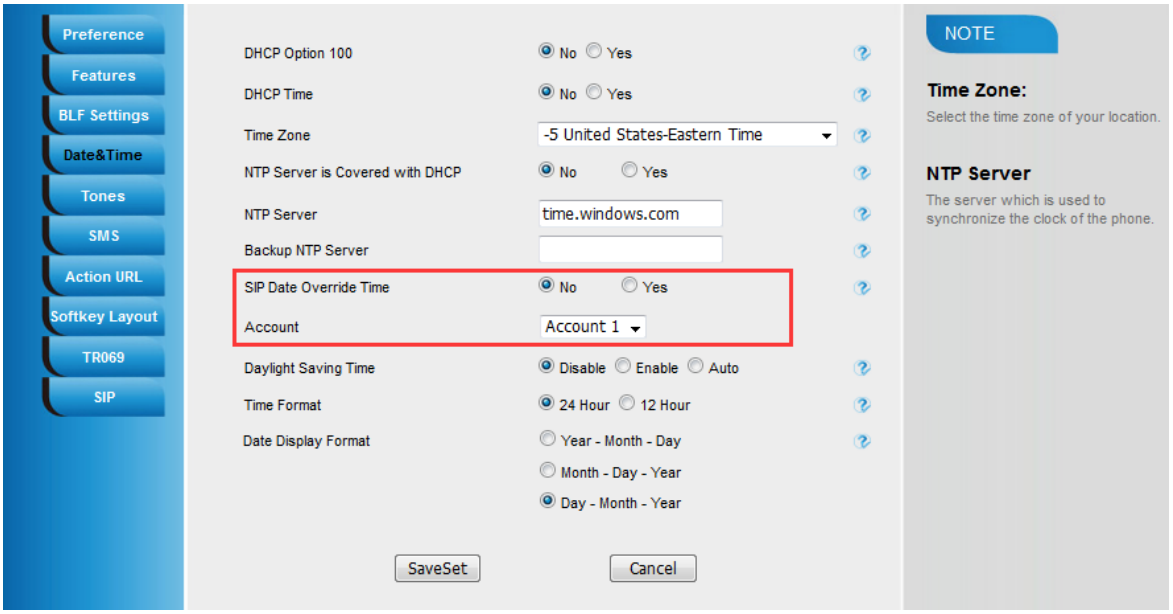
Procedure

SIP Date Override Time(SDOT) can be set using the configuration file or web

Configuration file	Cfgmac.xml	Configure SDOT on the IP phone. For more information, refer to SDOT
Web Interface		Configure SDOT via web interface

To configure phone lock via web interface:

1. Click on Setting->Date & Time.
2. Select the No/Yes in SIP Date Override Time field.
3. Select the desired account from the pull-down list of Account
4. Click SaveSet to save the configuration



Time Zone

A time zone is a region on Earth that has a uniform standard time. It is convenient for areas in close commercial or other communication to keep the same time. When configuring IP phones to obtain the time and date from the NTP server, you must set the time zone.

Daylight Saving Time

Daylight Saving Time (DST) is the practice of temporary advancing clocks during the summertime so that evenings have more daylight and mornings have less. Typically, clocks are adjusted forward one hour at the start of spring and backward in autumn. Many countries have used the DST at various times, details vary by location. The DST can be adjusted automatically from the time zone configuration. Typically, there is no need to change this setting.

The following table lists available methods for configuring time and date:

Option	Methods of Configuration
Time Zone	Configuration Files Web Interface Phone Interface
Time	Web Interface Phone Interface
Time Format	Configuration Files Web Interface Phone Interface
Date	Web Interface Phone Interface
Date Format	Configuration Files Web Interface Phone Interface
Daylight Saving Time	Web Interface Phone Interface

Procedure

Configuration changes can be performed using the configuration file, web or phone.

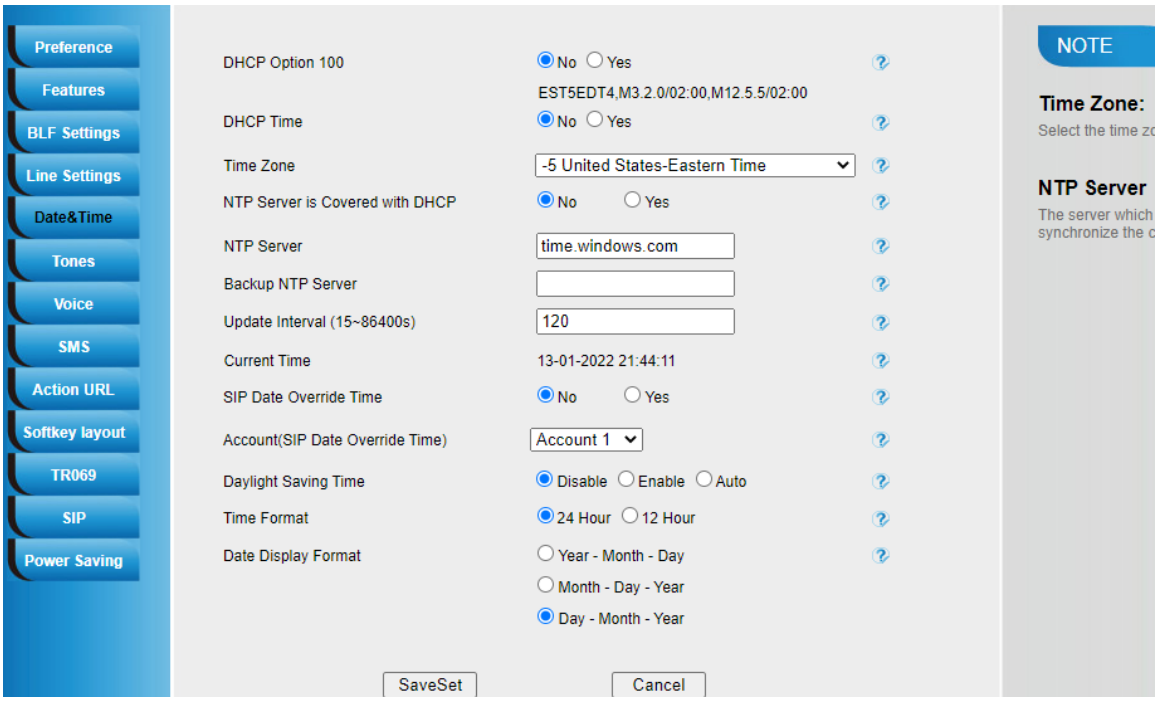
Configuration file	Cfgmac.xml	Configure the time zone, NTP server and DST. For more information, please refer to time zone, NTP server and DST Configure the time and date formats. For more information, please refer to time and date formats
Web Interface		Configure the time zone, NTP server and DST. Configure the time and date manually. Configure the time and date formats.
Phone Interface		Configure the time zone and NTP server. Configure the time and date manually. Configure the time and date formats.

To configure time zone, NTP server and DST via web interface:

1. Click on Setting->Date & Time.
2. Select the desired time zone from the pull-down list of Time Zone.
3. Select desired value in the NTP Server is covered with DHCP field.
4. Enter the domain names or IP addresses in the NTP Server and Backup NTP Server fields respectively.
5. Select the desired value from the pull-down list of Daylight Saving Time.

If you select Enabled, do one of the following:

1) Mark the DST By Date radio box in the Fixed Type field.
2) Enter the start time in the Start Date field.
3) Enter the end time in the End Date field.

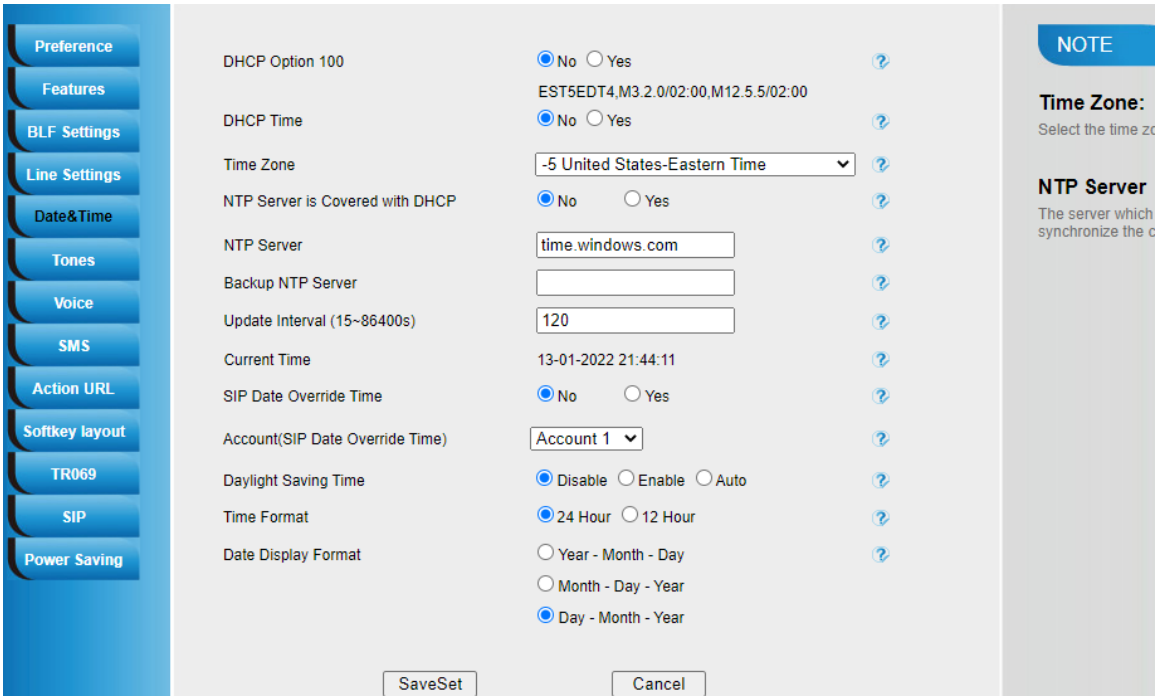


6. Click SaveSet to save the configuration.

To configure the time and date format via web user interface:

1. Click on Setting->Date & Time.

2. Select the desired format in the Time Format field.
3. Select the desired format in the Date Display Format field.
4. Select the desired value from the pull-down list of Daylight Saving Time.
5. Click SaveSet to save the configuration.



Language

IP Phone supports multiple languages, if you want to modify the language and add a new language to the phone's. You can contact us. The following table lists the languages supported by the phone interface and the web interface respectively.

Phone interface	Web interface
English French German Spanish Portuguese Russian Italian Polish Turkish Serbian ChineseSimplified ChineseTraditional Slovenian Persian Hebrew Slovak Czech JapaneseSimplified Dutch	English French German Spanish Portuguese Russian Italian Polish Turkish ChineseSimplified ChineseTraditional Dutch

Specifying the Language to use

English is the default language, you can specify the languages for the phone interface and web interface.

Procedure

Specify the language for the web interface or the phone interface using the configuration file, web or phone.

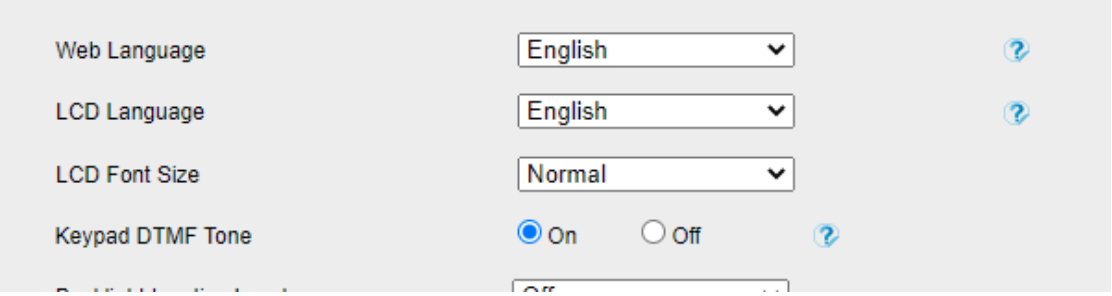
Configuration file	Cfgmac.xml	Specify the language for the phone interface and the web interface. For more information, please refer to Language.
Web Interface		Specify the languages for web interface
Phone Interface		Specify the languages for phone interface

To specify the language for the web interface via web interface:

1. Setting → Preference →Web Language
2. Select the desired language from the pull-down list of Web Language.
3. Press SaveSet to save the configuration.

To change the language for the LCD interface via web interface

1. Setting → Preference →LCD Language
2. Select the desired language from the pull-down list of LCD Language.
3. Press SaveSet to save the configuration.



Softkey Layout

Softkey layout is used to customize the soft keys at the bottom of the LCD screen to best meet users' requirements. It can be configured based on call states. In addition to specifying which soft keys to display, you can determine their display order. You can create a template bout the softkey layout for the different call states.
The following table lists the soft keys available for IP phones in different states:

Call states		Selected Soft keys	Unselected Soft keys
Dialing		Send IME Delete Cancel	Empty History Call Switch Directory DPickup Pool Line GPickup
Connecting	Connecting	Empty Empty Empty Cancel	Empty Call Switch
	SemiAttendTrans	Transfer Empty Empty Cancel	Empty Call Switch
Ring Back	Ring Back	Empty Empty Empty Cancel	Empty Call Switch
	SemiAttendTransBack	Transfer Empty Empty Cancel	Empty Call Switch
Call Failed		Empty Empty Empty Cancel	Empty Call Switch
Call In		Answer Forward Slience Reject	Empty Call Switch

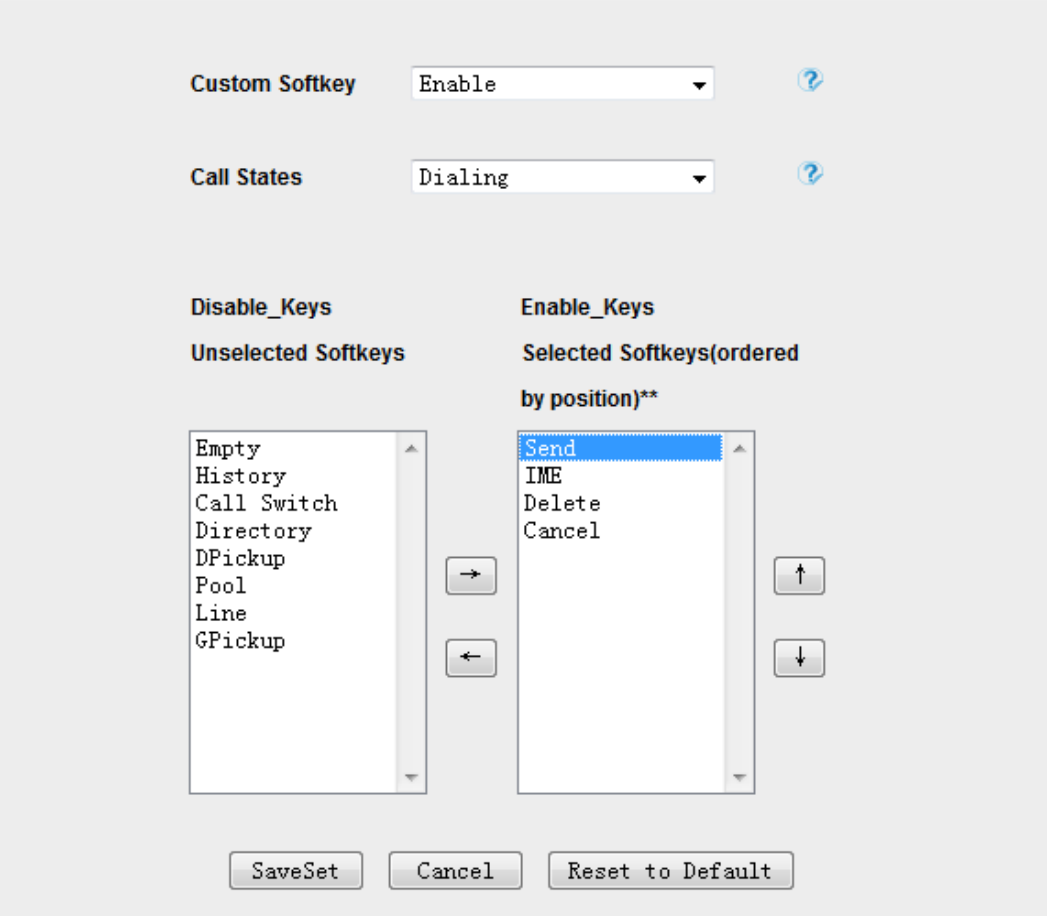
Talking	Talk	Transfer Hold Conference Cancel	Empty SWAP Reject Answer Mute Call Switch
	Hold	Transfer Resume Conference Cancel	Empty Call Switch Answer Reject
	Held	Empty Empty Empty Cancel	Empty Call Switch Answer Reject
	Pretrans	Transfer Send Delete Cancel	Empty Call Switch IME Directory
	Conferenced	Empty Hold Split Cancel	Empty Call Switch Answer Reject Mute

To configure softkey layout via web interface:

1. Click Setting→Softkey Layout
2. Select Enable for Custom Softkey
3. Select call States.
4. Select the feature form the disable key to enable key field by →

→ Disable to enable field. ← Delete the Enable, and it will back to disable field.

5. Click ↑ or ↓ to change to position or each feature.
6. Click SaveSet to save the configuration.



Note:

When there more than 5 items in the Enable field, the last softkey will display More, and last two item will show in the next page softkey, you can check by press more.

Lable Scroll

When you set the label too long, when this function is turned on, the label will scroll, which is convenient for viewing the content of the label.

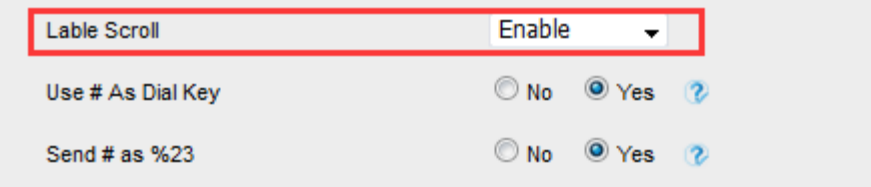
Procedure

Key as send can be configured using the configuration file, web.

Configuration file	Cfgmac.xml	Configure Lable Scroll.
Web Interface		Configure Lable Scroll.

To configure a send key via web interface:

1. Click Setting→Preference
2. Select the Disable/Enable in Lable Scroll field.
3. Click SaveSet to save the configuration.



Key as send and as %23

Key as send allows assigning the pound key as a send key. Send sound allows the IP phone to play a key tone when a user presses the send key. Key tone allows the IP phone to play a key tone when a user presses any key. Send sound works only if Key tone is enabled. Key as %23 allows assigning the pound key as %23.Add t key before the number to send the equivalent of %23 plus the number

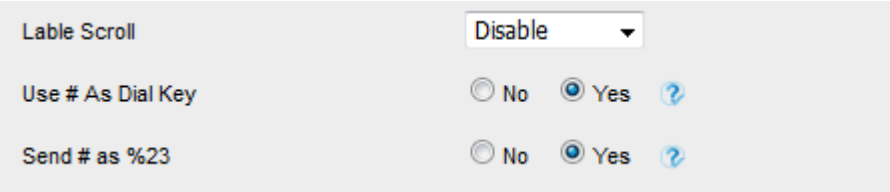
Procedure

Key as send and as send can be configured using the configuration file, web or phone.

Configuration file	Cfgmac.xml	Configure a send key.
Web Interface		Configure a send key.
Phone Interface		Configure a key as send.

To configure a send key via web interface:

1. Click Setting→Preference
2. Select the desired value in use # as dial key field.
3. Select the desired value in send # as %23 field



4. Click SaveSet to save the configuration.

Hotline

A hotline is a point-to-point communication link in which a call is automatically directed to the preset hotline number. The IP phone automatically dials out the hotline number using the first available line after a time interval when off-hook. IP phones only support one hotline number.

Procedure

Hotline can be configured using the configuration files, web or phone.

Configuration file	Cfgmac.xml	Configure the hotline number. Specify the time (in seconds) the IP phone waits to automatically dial out the hotline number. For more information, please refer to Hotline.
Web Interface		Configure the hotline number.

		Specify the time (in seconds) the IP phone waits to automatically dial out the hotline number.
Phone Interface		Configure the hotline number. Specify the time (in seconds) the IP phone waits to automatically dial out the hotline number.

To configure hotline via web interface:

1. Setting → Features.
2. Fill the number in the Hotline Number and Hotline Time-out.
3. Click SaveSet to save the configuration.

Call waiting

Call waiting allows IP phones to receive a new call when there is already an active call. The new call is presented to the user visually on the LCD screen. Call waiting tone allows the phone to play a short tone, to remind the user audibly of anew incoming call during conversation. Call waiting tone works only if call waiting is enabled, you can change the call waiting tone time.

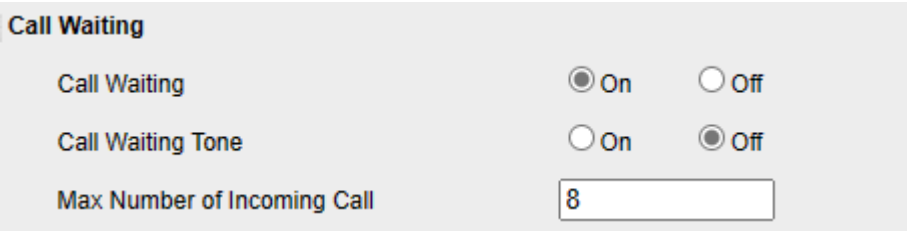
Procedure

Call waiting and call waiting tone using the web or phone.

Configuration file		Configure call waiting and call waiting tone For more information, please refer to call waiting.
Web Interface		Configure call waiting and call waiting tone via web

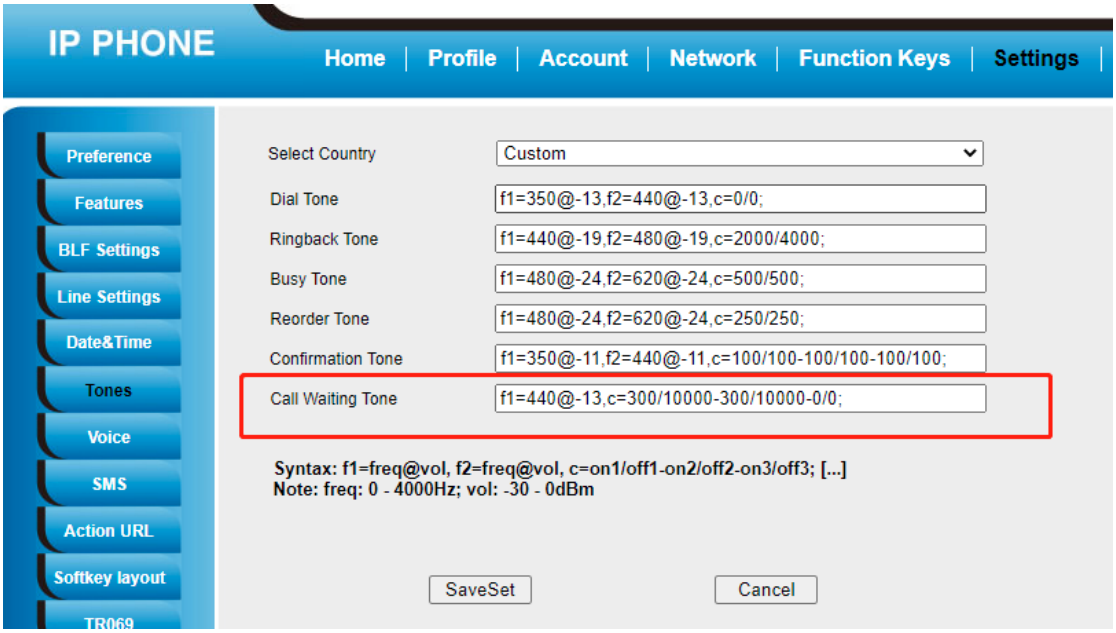
To configure call waiting via web interface:

1. Click Setting → Features
2. Select Call Waiting: On and Call Waiting Tone: On

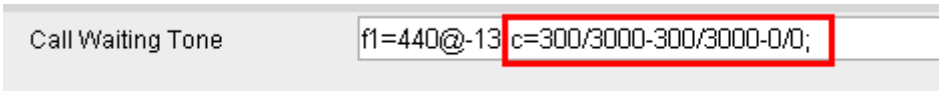


To Change the Call Waiting Tone time via Web interface

1. Click Setting → Tone



2. Change the Tone Time as you want (for example 3s)



Auto Redial

Auto redial allows IP phone store dial a busy number after the first attempt. Both the number of attempts and waiting time between redials are configurable.

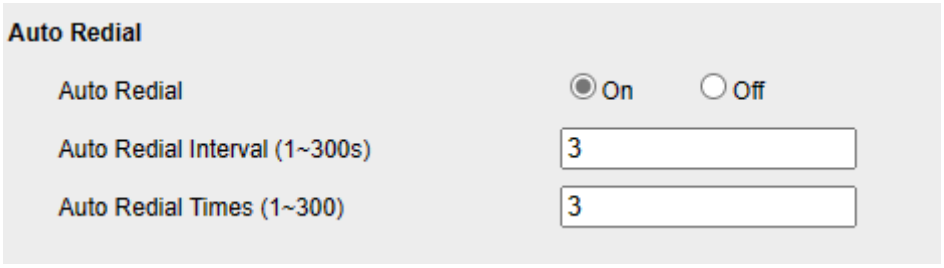
Procedure

Auto redial can be configured using the web or phone.

Configuration file		Configure Auto Redial For more information, please refer to Auto Redial
Web Interface		Configure Auto Redial via web

To configure Auto Redial via Web Interface

1. Click Setting →Features
2. Select the Auto Redial: On
3. Enter the desired time interval (in seconds) in the Auto Redial Interval (1~300s) field. The default time interval is 3s.
4. Enter the desired times in the Auto Redial Times (1~300) field. The default times are 3.
5. Click the SaveSet button to save the configuration.



Remote Control

Procedure

Remote control can only be configured using the web.

Configuration file		Configure Remote Control For more information, please refer to Remote Control
Web Interface		Configure Remote control via web

Action URI Allow IP List

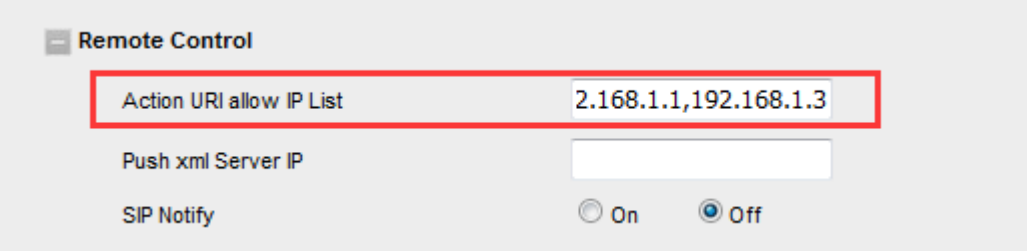
For security reasons, IP phones do not handle HTTP/HTTPS GET requests by default. You need to specify the trusted IP address for action URI. You can specify one or more trusted IP addresses on the IP phone, or configure the IP phone to receive and handle the URI from any IP address.

Remote control can only be configured using the web.

Configuration file		Configure Remote Control For more information, please refer to Remote Control
Web Interface		Configure Remote control via web

To configure Action URI Allow IP List via Web Interface

1. Click Setting →Features→Remote Control.
2. Enter the IP address or any in the Action URI Allow IP List.



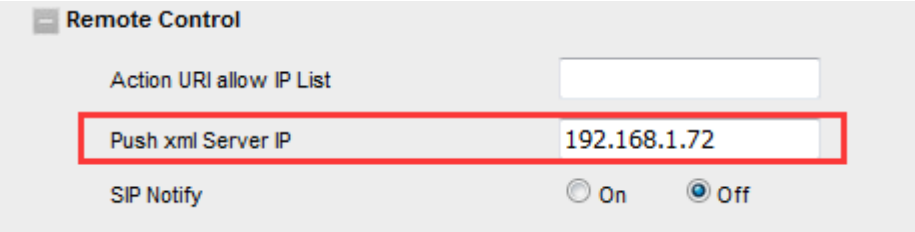
3. Multiple IP addresses are separated by commas. If you enter “any” in this field, the IP phone can receive and handle GET requests from any IP address. If you leave the field blank, the IP phone cannot receive or handle any HTTP GET request.
4. Click the SaveSet button to save the configuration

Push xml Server IP

If the IP phone performs the auto provision when receiving a test.php file, the IP phone will display the prompt message no matter whether the configuration is updated.

To configure Push xml Server IP via Web Interface

1. Click Setting →Features→Remote Control
2. Enter the push xml server ip in the Push xml Server IP field.



3. Click the  button to save the configuration

4. When you access http://serverIP:port/test.php(eg:http://192.168.0.18:8088/test.php), the phone screen displays the xml data the contents of the test.php file.

The following is the file test.php file template content:

```
<?php
#
function push2phone($server,$phone,$data)
{
$xml = "xml=".$data;
$post = "POST / HTTP/1.1\r\n";
$post .= "Host: $phone\r\n";
$post .= "Referer: $server\r\n";
$post .= "Connection: Keep-Alive\r\n";
$post .= "Content-Type: text/xml\r\n";
$post .= "Content-Length: ".strlen($xml)."\r\n\r\n";
$fp = @fsockopen ( $phone, 80, $errno, $errstr, 5);
if($fp)
{
fputs($fp, $post.$xml);
flush();
fclose($fp);
} }
##############################
$xml = "<HtekIPPhoneTextScreen Beep=\"yes\">\n";
$xml .= "<Title>Push test</Title>\n";
$xml .= "<Text>This is a test for pushing text to a phone.</Text>\n";
$xml .= "</HtekIPPhoneTextScreen>\n";
push2phone("192.168.1.72","192.168.1.116",$xml);
?>
```

Note: Push xml server ip is the HTTP server address stored by test.php file.

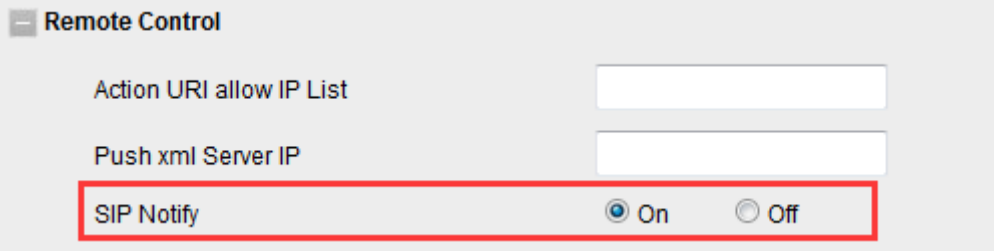
SIP Notify

If the IP phone performs the auto provision when receiving a SIP NOTIFY message, the IP phone will display the prompt message no matter whether the configuration is updated.

To configure SIP Notify via Web Interface

1. Click Setting →Features →Remote Control
2. Enter the push xml server ip in the Push xml Server IP field.

3. Select the SIP Notify: On.
4. Click the SaveSet button to save the configuration.
5. When the server that is filled in the Push xml Server IP field sends a sip notify packet, the phone screen displays the XML data inside it.



Call Completion

Call completion allows users to monitor the busy party and establish a call when the busy party becomes available to receive a call. Two factors commonly prevent a call from connecting successfully:

- Callee does not answer
- Callee actively rejects the incoming call before answering

IP phones support call completion using the SUBSCRIBE/NOTIFY method, to subscribe to the busy party and receive notifications of their status changes. The caller subscribes for update notifications of the dialog event from the busy party

Call completion using the web or phone.

Configuration file		Configure call completion .For more information, please refer to call completion
Web Interface		Configure call completion via web

To configure call completion via web interface:

1. Click Setting →Features
2. Select the Enable Call Completion: On.
3. Click the SaveSet button to save the configuration.

Auto Answer

Auto answer allows IP phones to automatically answer an incoming call. *When there is an active call and then incoming a call, Old call will be Hold and Answer new call directly* if Intercom Barge is enabled.

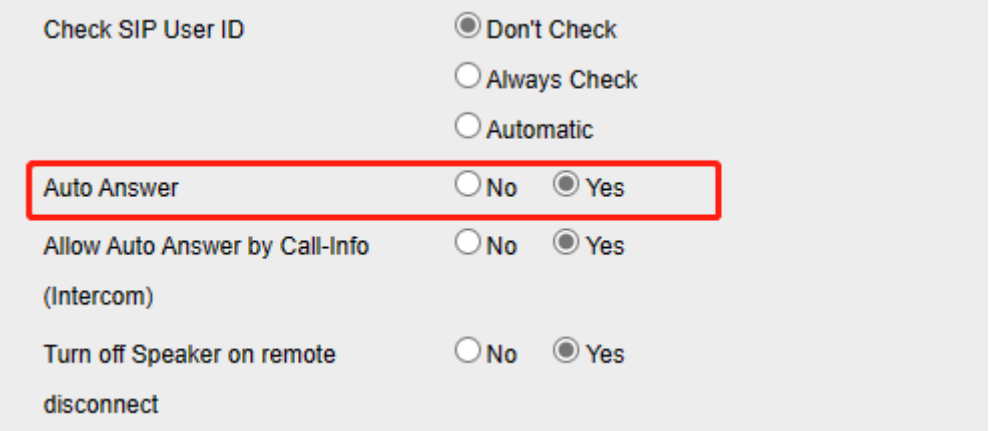
Procedure

Auto answer and Intercom Barge can be configured using the web or phone.

Configuration file		Configure Auto answer and Intercom Barge For more information, please refer to Auto answer.
Web Interface		Configure Auto answer and Intercom Barge via web interface

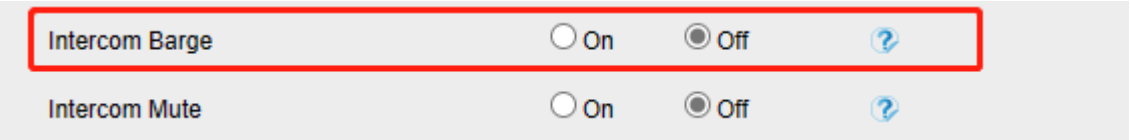
To enable Auto Answer via Web interface

1. To Click Profile → Advanced
2. To choose Yes for the Auto Answer.
3. To click SaveSet to save the configuration.



To enable Intercom Barge via Web interface

1. Click Setting → Preference
2. Configure the Intercom Barge: On.
3. Click SaveSet to save the configuration.



Anonymous call

Anonymous call allows the caller to conceal the identity information displayed on the callee' s screen. The callee phone's LCD screen prompts an incoming call from anonymity.

Procedure

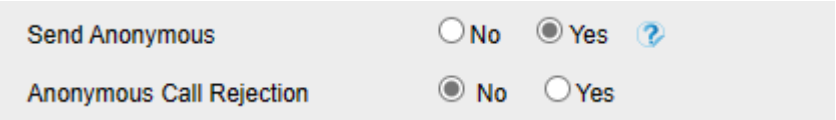
Anonymous call can be configured using the configuration file, web or phone.

Configuration file		Configure Anonymous call Please refer to Anonymous call
Web Interface		Configure Anonymous call via web interface
Phone Interface		Configure Anonymous call via phone

		interface

Reject Anonymous

If you do not want to be disturb by anonymous calls, you can set the reject anonymous call features, so you will not hear the unknown calls



DND (Do Not Disturb)

DND (Do Not Disturb) allows IP phones to ignore incoming calls. DND can be configured on a phone DND feature is effective for all accounts on the IP phone.

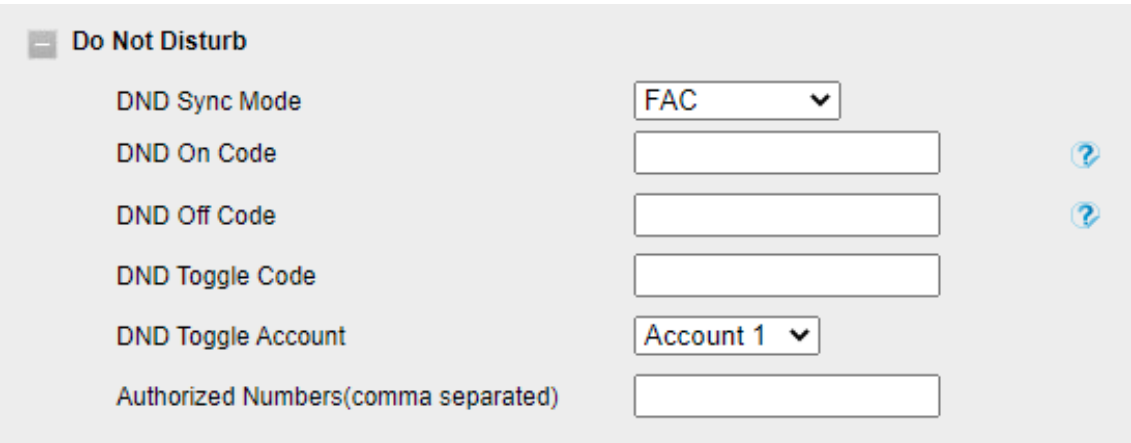
Procedure

DND can be configured using the configuration file, web or phone.

Configuration file		Configure DND Please refer to DND
Web Interface		Configure DND via web interface
Phone Interface		Configure DND via phone interface

To configure a DND key via web interface:

1. Click the Setting->Features->Do Not Disturb
2. Enter the DND on code in the DND On Code field(Optional)
3. Enter the DND off code in the DND off Code field(Optional)
4. Input the Authorized Numbers(comma separated)
5. Click  to save the configuration



Call Hold

Call hold provides a service of placing an active call on hold. The purpose of call hold is to pause activity on the existing call so that you can use the phone for another task (for example, to place or receive another call).
Call Hold Tone/Call Held Tone feature allows IP phone to play a call hold/call held tone at specified intervals when there is a call on hold/held. The call hold/call held tone is played through the speakerphone.

Play Hold Tone and Delay

Enables or disables the IP phone to play the call hold tone when you place a call on hold.

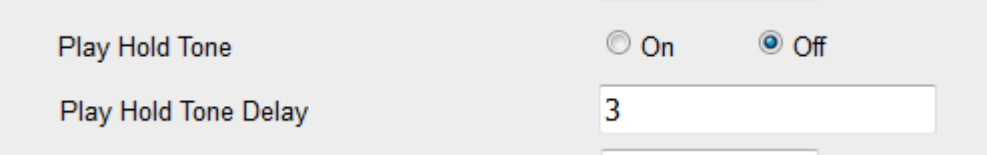
Procedure

Play Hold Tone can be configured using the configuration file or web.

Configuration file		Configure Play Hold Tone and delay Please refer to Play Hold Tone and delay
Web Interface		Configure Play Hold Tone and delay via web interface

To configure Play Hold Tone via web interface:

1. Click the Setting->Preference
2. Select the desired option of Play Hold Tone
3. Enter the desired value of Play Hold Tone Delay
4. Click SaveSet to save the configuration



Busy Tone Timer

After user hanging up, the system allowed by the busy time, but the busy tone timer will work only when the “Turn off Speaker on remote disconnect” is enabled.

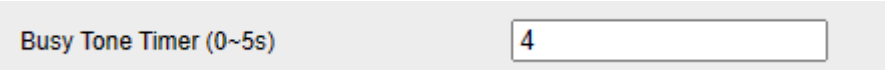
Procedure

Busy tone timer can be configured using the configuration file or web.

Configuration file		Configure Busy tone timer Please refer to Busy tone timer
Web Interface		Configure Busy tone timer

To configure the busy tone timer via web interface

1. Click the Setting->Preference
2. Fill the value in the busy tone timer (0-5s) field.
   The default is 4s.



Call Forward

Call forward allows users to redirect an incoming call to a third party. IP phones redirect an incoming INVITE message by responding with a 302Moved Temporarily message, which contains a Contact header with a new URI that should be tried.

Three types of call forward:

- Always Forward--Forward the incoming calls immediately.
- Busy Forward--Forward the incoming call when the callee is busy.
- No Answer Forward--Forward the incoming call after a period of ring time.

Call forward feature is effective for all accounts on the IP phone.

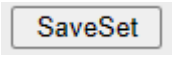
The call forward on code and call forward off code configured on IP phones are used to activate/deactivate the server-side call forward feature. They may vary on different servers.

Procedure

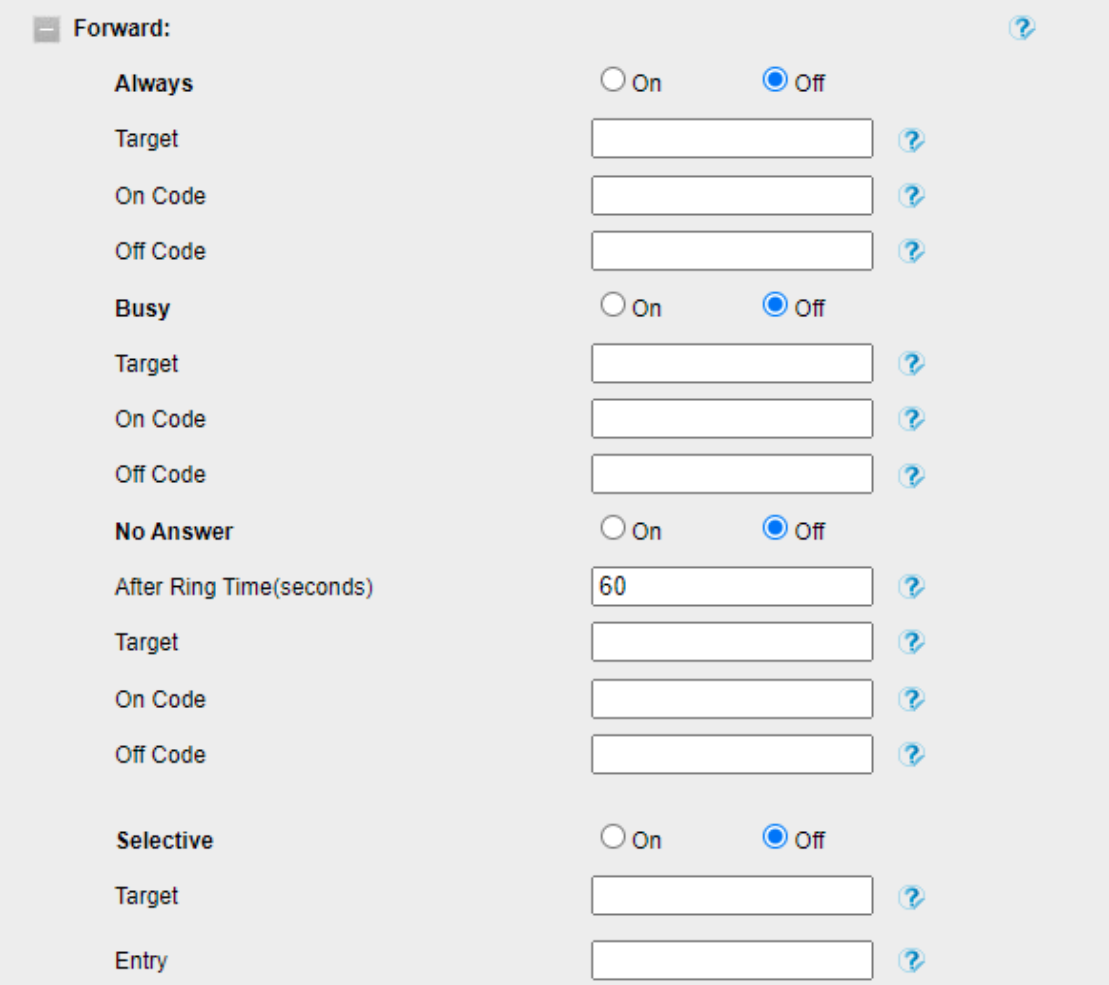
Call forward can be configured using the configuration file, web or phone.

Configuration file		Configure Call forward Please refer to Call forward
Web Interface		Configure Call forward via web
Phone Interface		Configure Call forward via phone

To configure Forward via Web Interface

1. Setting → Features
2. Click On for the Always/Busy/No Answer
3. Select the on/off
4. Fill the Forward to Number
5. (Optional) fill the on/off code
6. Click 

to save the configuration



Call transfer

Call transfer enables IP phones to transfer an existing call to another party.
IP phones support three types of transfer:

- Blind transfer--- Transfer a call directly to another party without consulting
- Attend transfer--- Transfer a call with prior consulting
- Semi-attend transfer--- Transfer a call after hearing the ring-back tone.

Normally, call transfer is completed by pressing the transfer key. The blind transfer on-hook and attended transfer on-hook features allow the IP phone to complete the transfer through on-hook.Transfer Mode via DSSkey Configures the function of the transfer key of line key.

Procedure

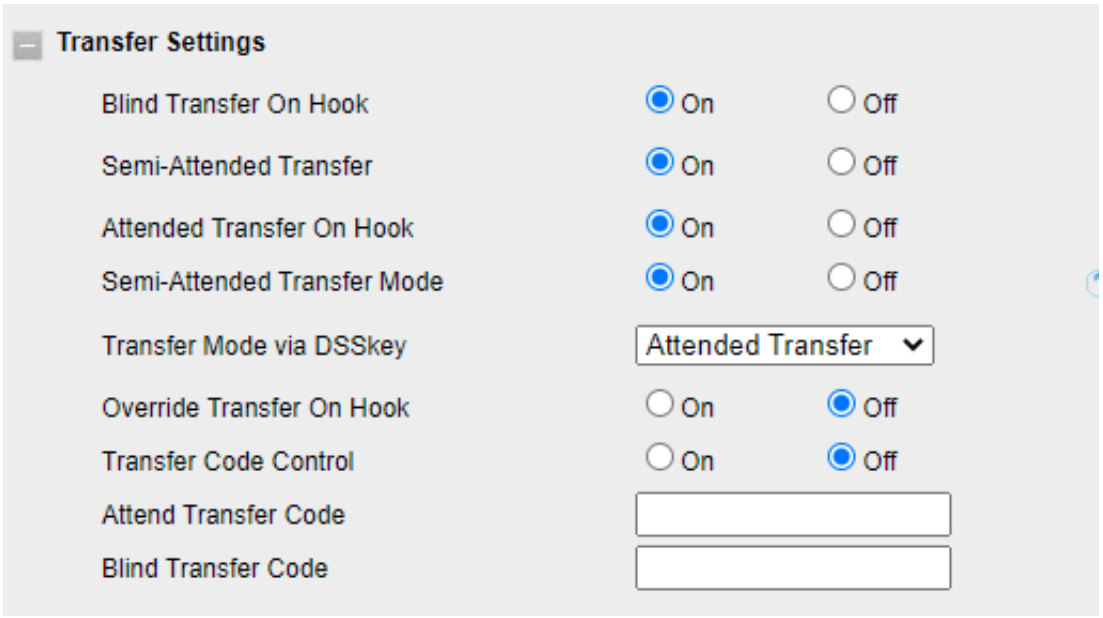
Call transfer can be configured using the configuration file or web.

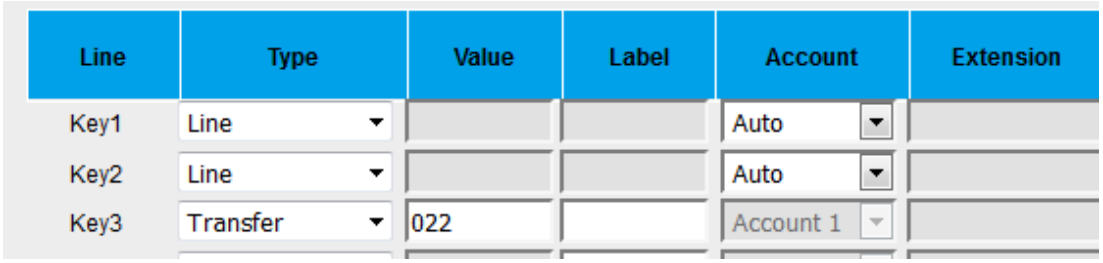
Configuration file		Configure call transfer Specify whether to complete the transfer through on-hook Please refer to call transfer
Web Interface		Configure call transfer via web

To configure call transfer via web interface

1. Click on the Setting->Features->Transfer Settings

2. Select the on/off in the Blind Transfer On Hook, Semi-Attended Transfer, Attended Transfer On Hook and Hold Transfer On Hook field.
3. Select the desired value from the pull-down lists of Transfer Mode via DSSkey field.
4. Click Function keys → Line key.
5. Select the desired Line key and select Transfer in the Type.
6. Enter the transfer phone number in the Value field.
7. Click SaveSet to save the configuration

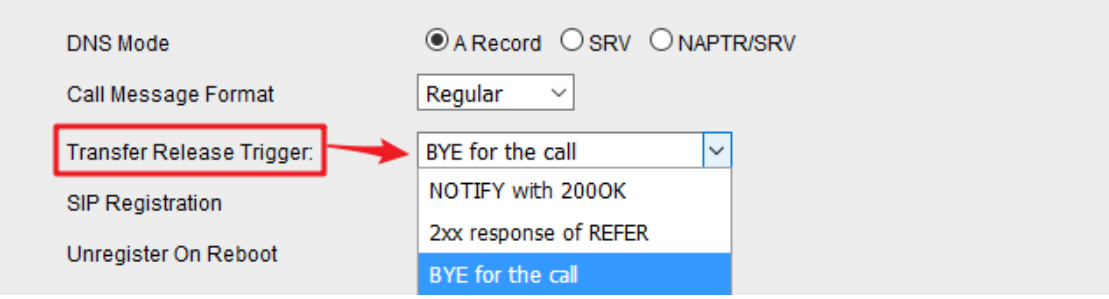




Transfer Release Trigger

This option defines when the phone sends BYE to the server to release the transferred call.

1. **NOTIFY with 200OK**
   After receiving REFER request sended by the phone, server will send NOTIFY to the phone, and the phone response 200OK, this is the trigger for the phone to release the call.
2. **2xx response of REFER**
   The phone will not release the call until it receives a 2xx response from the server to the phone's REFER request.
3. **BYE for the call**
   The phone will not release the call until receiving BYE from the server.



Directed call pickup

Directed call pickup is used for picking up an incoming call on a specific extension. A user can pick up the incoming call using a directed pickup key or the DPickup soft key. This feature depends on support from a SIP server. For many SIP servers, directed call pickup requires a directed pickup code, which can be configured on a phone or per-account

Note: It is recommended not to configure the directed call pickup key and the DPickup soft key simultaneously. If you do, the directed call pickup key will not be used correctly.

Procedure

Directed call pickup can be configured using the configuration file or web.

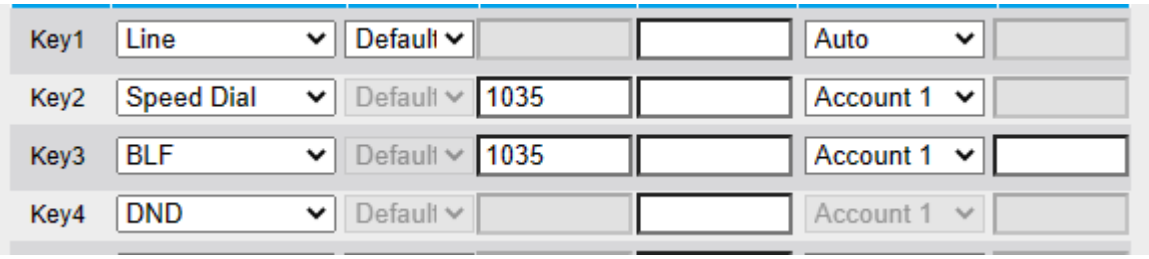
Configuration file		Configure Directed call pickup on the phone Configure Directed call pickup code on per-account, please refer to Directed call pickup
Web Interface		Configure Directed call pickup on the phone Configure Directed call pickup code on per-account

Configure pickup in setting

Configure pickup in setting fills in the pickup code is applied to all accounts.

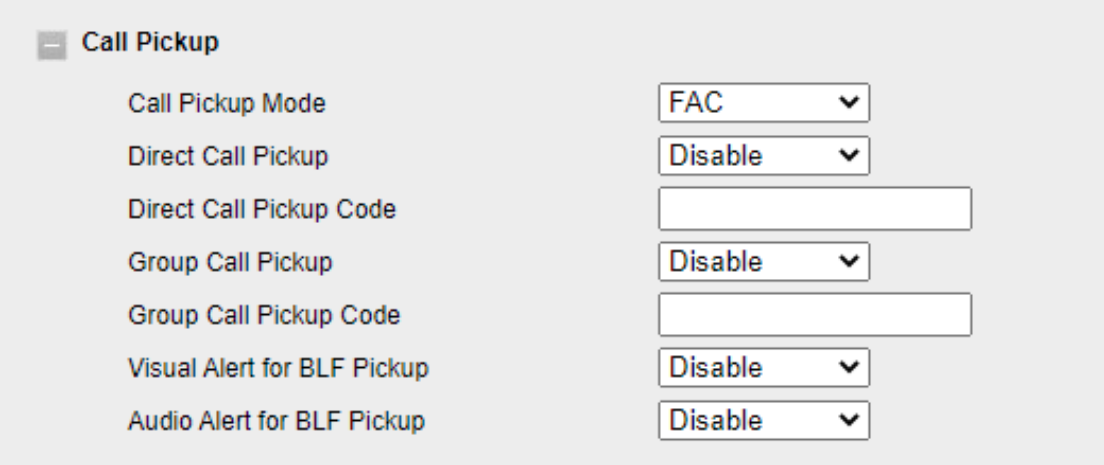
To configure a directed call pickup key via web interface

1. Click Function keys → Line key.
2. Select the wanted Line key and set as Direct Pickup.
3. Enter the pickup code and followed the desired phone number in the Value field.
4. Select the Account ID
5. Click SaveSet to save the configuration.



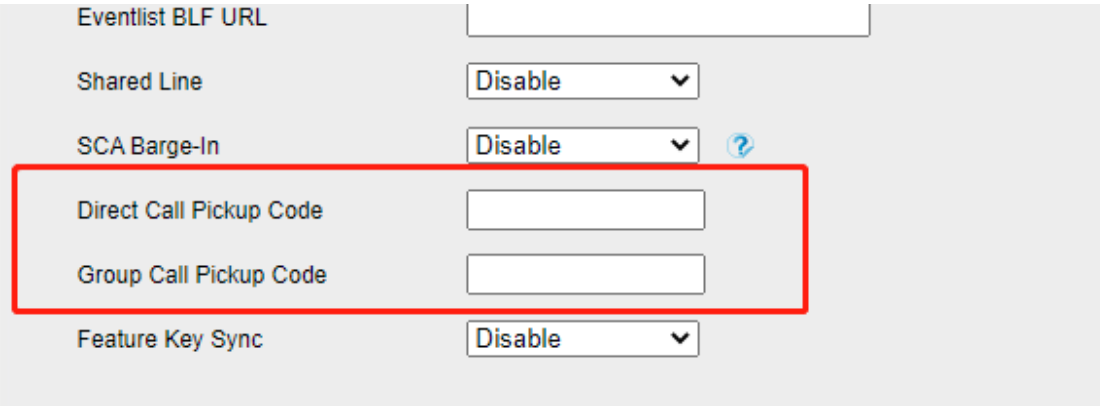
To configure the directed call pickup feature on a phone via web interface:

1. Click on Setting-> Features->Call Pickup.
2. Select the Disable/Enable in Directed Call Pickup field.
3. Enter the directed call pickup code in the Directed Call Pickup Code field.
4. Click SaveSet to save the configuration.



Configure pickup in account

Configure pickup in account fills in the pickup code is applied to select account.



Group call pickup

Group call pickup is used for picking up incoming calls within a pre-defined group. If the

group receives many incoming calls at once, the user will pick up the first incoming call, using a group pickup key or the GPickup soft key. This feature depends on support from a SIP server. For many SIP servers, group call pickup requires a group pickup code, which can be configured on a phone.

Procedure

Group call pickup can be configured using the configuration file or web.

Configuration file		Configure Group call pickup Configure Group call pickup code Please refer to Group call pickup
Web Interface		Configure Group call pickup via web interface

Configure pickup in setting

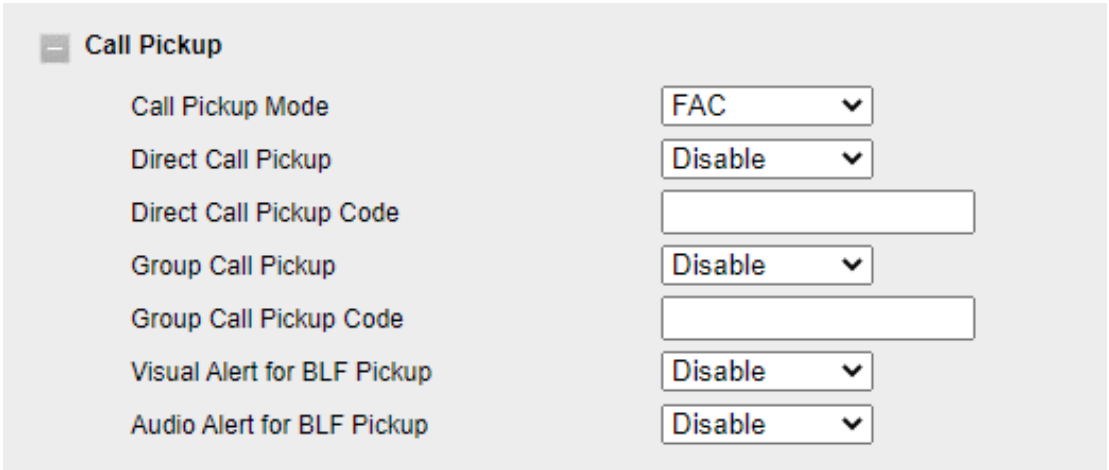
Configure pickup in setting fills in the pickup code is applied to all accounts.

To configure the Group Pickup key via Web interface

1. Click Function keys → Line key.
2. Select the desired Line key and select Group Pickup in the Type.
3. Enter the pickup code and followed the desired Group number in the Value field.
4. Click SaveSet to save the configuration.

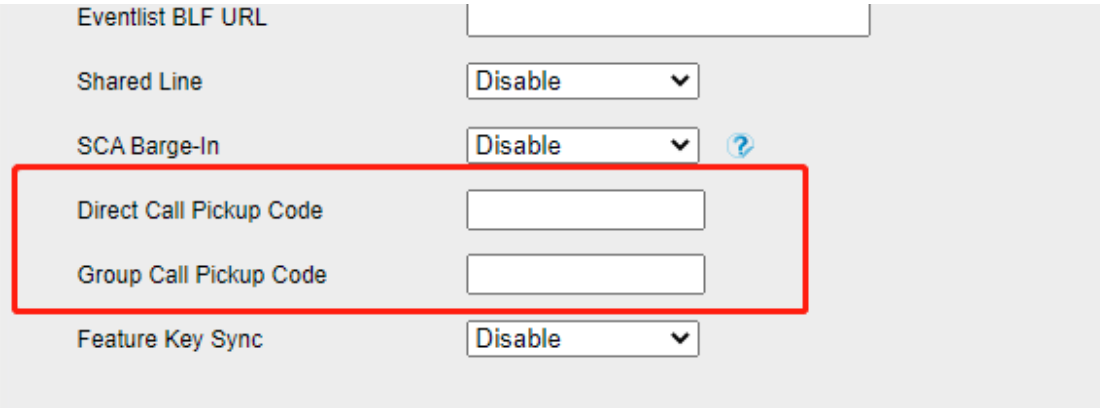
To configure the Group call pickup feature on a phone via web interface:

1. Click on Setting-> Features->Call Pickup.
2. Select the Disable/Enable in Group Call Pickup field.
3. Enter the Group call pickup code in the Group Call Pickup Code field.
4. Click SaveSet to save the configuration.



Configure pickup in account

Configure pickup in account fills in the pickup code is applied to select account.



Call Return

Call return allows you to dial the last phone call you received.

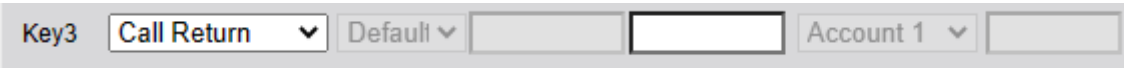
Procedure

Call return can be configured using the configuration file ,web or phone.

Configuration file		Configure Call return key Please refer to Call return key
Web Interface		Configure Call return key via web interface
Phone interface		Configure Call return key via phone interface

To configure the Call Return via Web interface

1. Click Function keys → Line key.
2. Select the desired Line key and select Call Return in the Type.
3. Click SaveSet to save the configuration.



Call Park

With this feature, you can put a call on hold and continue the conversation from another phone or conference room. This feature depends on support from a SIP server.
Users can park calls on the extension, known as call park orbit, by pressing a call park DSS key. You need to configure the call park code for the call park DSS key. Call park code configured will apply to the call park DSS key. If the call is parked successfully, users will hear a voice prompt confirming that the call was parked. The current call is placed on hold and can be retrieved on another IP phone. To retrieve a parked call, dial the park retrieve code or press the retrieve park DSS key. If the parked call is not retrieved within a period of time assigned by the system, the phone performing call park will receive call back.

Call Park Key

The three line keys associated with Call Park are Call park, Group call park, Call park retrieve.

Procedure

Call Park can be configured using the configuration file ,web or phone.

Configuration file		Configure Call Park key Please refer to Call Park key
Web Interface		Configure Call Park key via web interface
Phone interface		Configure Call Park key via phone interface

To configure the Call Park via Web interface

1. Click Function key → Line key.
2. Select the desired Line key and select Call Park in the Type.
3. Select the desired Line key and select Group call park in the Type.
4. Select the desired Line key and select Call park retrieve in the Type.
5. Enter the corresponding code in the value field.
6. Select the desired corresponding account from the pull-down list of Account.
7. Click SaveSet to save the configuration.

Directed call park

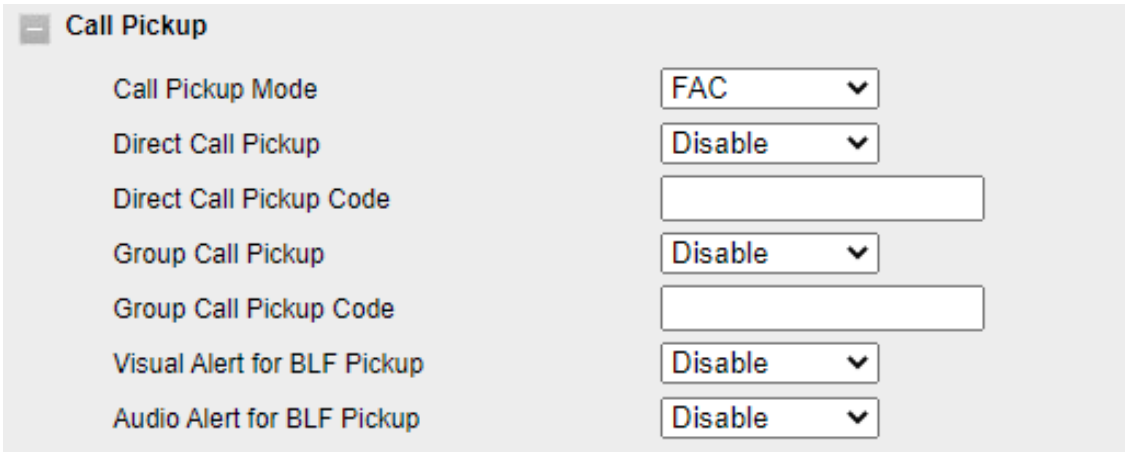
Procedure

Directed call park can be configured using the configuration file or web.

Configuration file		Configure Directed call park on the phone Configure Directed call park code on per-account, please refer to Directed call park
Web Interface		Configure Directed call park on the phone Configure Directed call park code on per-account

To configure the directed call pickup feature on a phone via web interface:

1. Click on Setting-> Features->Call Park
2. Select the FAC/XSI in Call Park Mode field.
3. Select the Disable/Enable in Directed Call Park field.
4. Enter the directed call park code in the Show Directed Call Park Code field.
5. Click SaveSet to save the configuration.



Group call park

Procedure

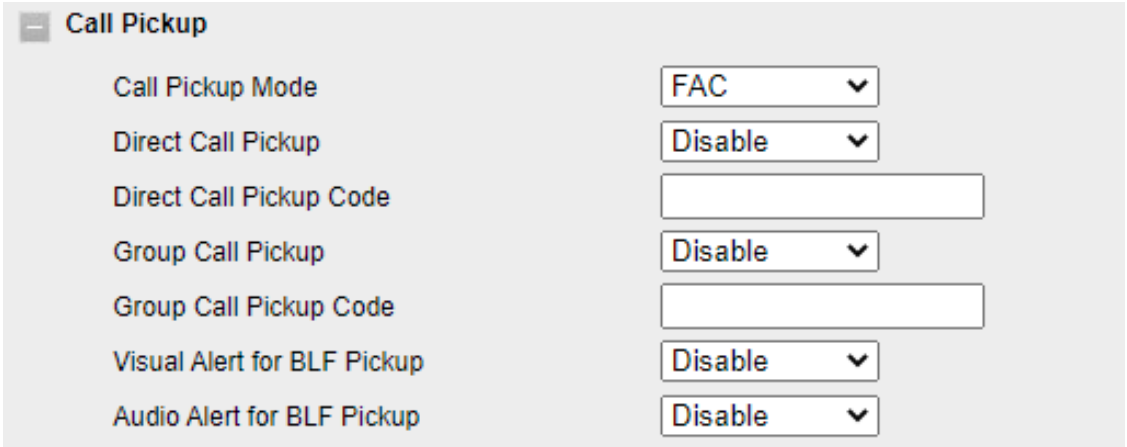
Group call park can be configured using the configuration file or web.

Configuration file		Configure Group call park on the phone Configure Group call park code on per-account, please refer to Group call park
Web Interface		Configure Group call park on the phone Configure Group call park code on per-account

To configure the directed call pickup feature on a phone via web interface:

1. Click on Setting-> Features->Call Park.
2. Select the Disable/Enable in Show Group Call Park field.
3. Enter the group call park code in the Group Call Park Code field.
4. Click 

to save the configuration.



Call Back

Call back allows servers to monitor the busy party and establish a call when the busy party becomes available to receive a call. Two factors commonly prevent a call from

connecting successfully:

- Callee does not answer
- Callee actively rejects the incoming call before answering

IP phones support call back using the INVITE method to send call back code to the server.

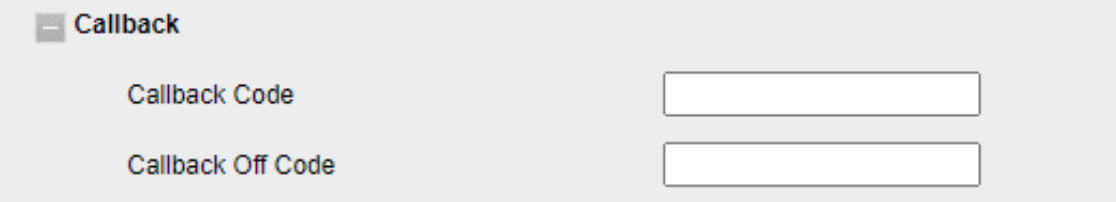
Then, the server monitors to the busy party and receive notifications of their status changes. Once the busy party becomes idle, the server sends an invite message to the caller and callee.

Call completion using the web or phone.

Configuration file		Configure call back.For more information, please refer to call back
Web Interface		Configure call back via web

To configure call back via web interface:

1. Click Setting →Features
2. Enter the server's call back code in the callback code field
3. Click the SaveSet button to save the configuration.



Caller display resource

Caller display resource allows IP phones to display the caller identity, derived from a SIP header contained in the INVITE message when receiving an incoming call. IP phones support deriving caller identity from four types of SIP header: From only, PAI_FROM, PAI_RPID_FROM, RPID_PAI_FROM and RPID_FROM.

If the caller has existed in the local directory, the local name assigned to the caller should be preferentially displayed.

Procedure

Caller display can be configured using the configuration file or web.

Configuration file		Configure Caller display Please refer to Caller display resource
Web Interface		Configure Caller display

DTMF

Dual-tone multi-frequency signaling (DTMF) is used for telecommunication signaling over analog telephone lines in the voice-frequency band between telephone handsets and other communications devices and the switching center. DTMF is known as Touch-Tone. DTMF is the signal sent from the IP phone to the network, which is generated when pressing the IP phone’s keypad during a call. Each key pressed on the IP phone

generates one sinusoidal tone of two frequencies. One is generated from a high frequency group and the other from a low frequency group.

The DTMF keypad is laid out in a 4×4 matrix in which each row represents a low frequency and each column represents a high frequency. Pressing a single key sends a sinusoidal tone for each of the two frequencies. For example, the key 1 produces a superimposition of tones of 697 and 1209 hertz (Hz).

DTMF keypad frequencies:

	1209 Hz	1336 Hz	1477 Hz	1633 Hz
697 Hz	1	2	3	A
770 Hz	4	5	6	B
852 Hz	7	8	9	C
941 Hz	*	0	#	D

Three methods of transmitting DTMF digits on SIP calls:

- RFC 2833--DTMF digits are transmitted by RTP Events compliant to RFC2833.
- IN Audio--DTMF digits are transmitted in the voice audio.
- SIP INFO--DTMF digits are transmitted by the SIP INFO messages.

The method of transmitting DTMF digits is configurable on a per-account.

RFC 2833

DTMF digits are transmitted using the RTP Event packets that are sent along with the voice path. These packets use RFC 2833 format and must have a payload type that matches what the other end is listening for. The payload type for the RTP Event packets is configurable. IP phones default to 101 for the payload type, which use the definition to negotiate with the other end during call establishment.

The RTP Event packet contains 4 bytes. The 4 bytes are distributed over several fields denoted as Event, End bit, R-bit, Volume and Duration. If the End bit is set to 1, the packet contains the end of the DTMF event. You can configure the sending times of the end RTP Event packet.

In Audio

DTMF digits are transmitted within the audio of the IP phone conversation. It uses the same VoIP codec as your voice and is audible to the conversation partners.

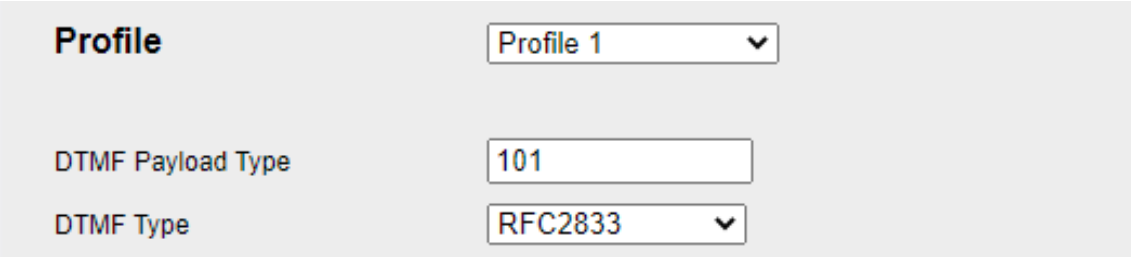
SIP INFO

DTMF digits are transmitted by the SIP INFO messages when the voice stream is established after a successful SIP 200 OK-ACK message sequence. The SIP INFO message is sent along the signaling path of the call.

Procedure

Configuration changes can be performed using the configuration file or web.

Configuration file		Configure the method of Transmitting DTMF digit and the payload type. Please refer to DTMF
Web Interface		Configure the method of Transmitting DTMF digit and the payload type.



Suppress DTMF display

Suppress DTMF display allows IP phones to suppress the display of DTMF digits. The DTMF digits are displayed as "*"on the LCD screen. Suppress DTMF display delay defines whether to display the DTMF digits for a short period of time before displaying as "*".

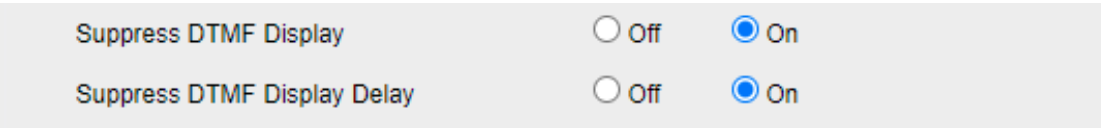
Procedure

Configuration changes can be performed using the configuration file or web.

Configuration file		Configure suppress DTMF display and suppress DTMF display delay
Web Interface		Configure suppress DTMF display and suppress DTMF display delay

To configure suppress DTMF display and suppress DTMF display delay via web interface:

1. Click on Setting→Preference
2. Select the desired value in the suppress DTMF display field
3. Select the desired value in the suppress DTMF display delay field
4. Click  to save the configuration.



Intercom

Intercom allows establishing an audio conversation directly. The IP phone can answer intercom calls automatically. This feature depends on support from a SIP server.

Outgoing Intercom Calls

Intercom is a useful feature in office environments to quickly connect with an operator or secretary. Users can press an intercom key to automatically initiate an outgoing intercom call with a remote extension.

Procedure

Intercom key can be configured using the configuration file, web or phone.

Configuration file		Configure Intercom key Please refer to Intercom key
Web Interface		Configure Intercom key via web interface
Phone Interface		Configure Intercom key via phone interface

Incoming Intercom Calls

The IP phone can process incoming calls by Intercom Barge.

Intercom Barge

If the option is enable, when there is an active call and then incoming an intercom call, Old call will be Hold and Answer new call directly.

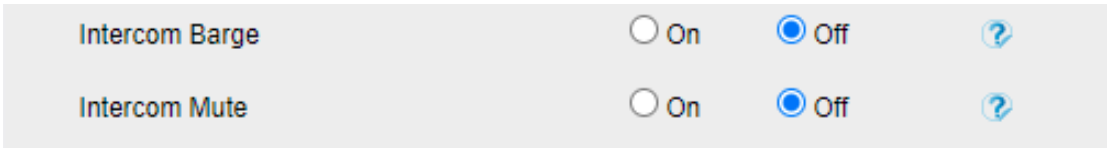
Procedure

Incoming Intercom call can be configured using the configuration file or web.

Configuration file		Configure Incoming Intercom call feature
Web Interface		Configure Incoming Intercom call feature via web interface

To configure Intercom key via Web Interface

1. Click Setting → Preference.
2. Select the on/off.
3. Click the SaveSet to save the configuration



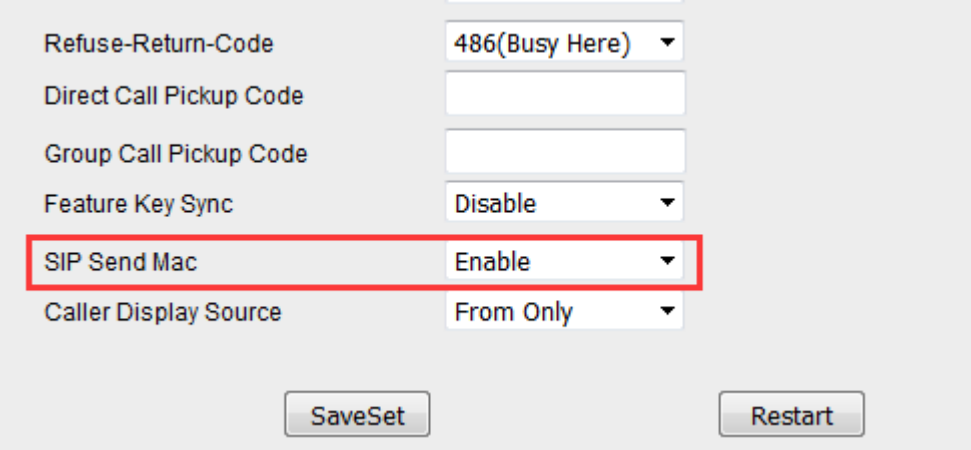
Sip Send Mac

The IP phone can send the MAC address in the REGISTER message. SIP send MAC allow adding “Mac:<PhoneMACAddress>” (for example, Mac: 00:15:65:74:b1:50) to the SIP header of the REGISTER message.

Procedure

Sip Send Mac call can be configured using the configuration file or web.

Configuration file	Cfgmac/cfgmac.xml	Configure Sip Send Mac
Web Interface		Configure Sip Send Mac



Detect IP Conflict

When the phone with another phone IP conflict, it will pop-up window to alert user.

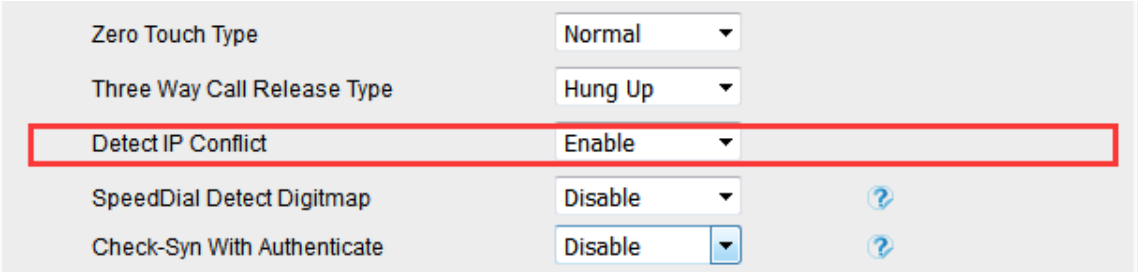
Procedure

Detect IP Conflict call can be configured using the configuration file or web

Configuration file	Cfgmac/cfgmac.xml	Configure Detect IP Conflict.
Web Interface		Configure Detect IP Conflict.

To configure Detect IP Conflict via web interface:

1. Click Setting→Preference
2. Select the desired value from the pull-down list of Detect IP Conflict.
3. Click SaveSet to save the configuration.



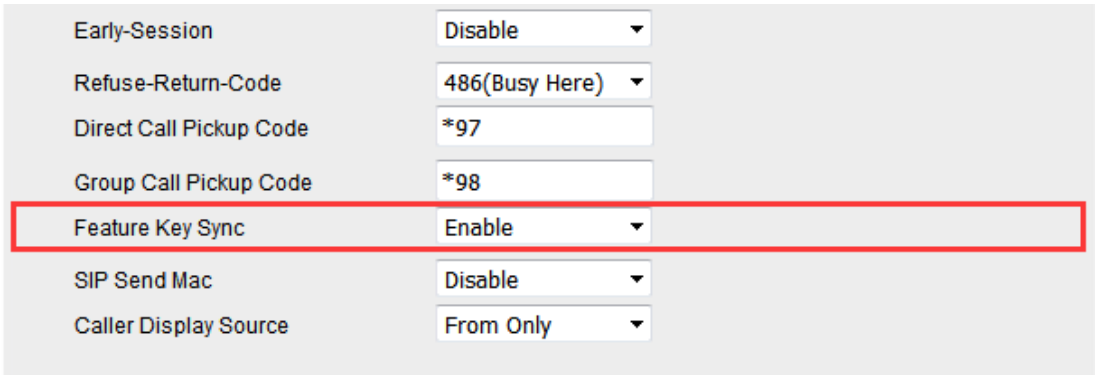
Feature Key Sync

This feature is used for call feature synchronization. When it's enabled, DND, Call Forward features and Call Center Agent status can be synchronized between PBX and phone. The default setting is "Disabled"

Procedure

Feature Key Sync call can be configured using the configuration file or web

Configuration file	Cfgmac/cfgmac.xml	Configure Feature Key Sync .
Web Interface		Configure Feature Key Sync.



Bluetooth

IP Phone supports the Bluetooth feature.

IP Phone connects to a wide range of Bluetooth Headset, compatible with Bluetooth specification V4.0 and backwards compatible with 1.1, 1.2, 2.0 and 3.0. The IP phone starts searching for Bluetooth headsets within the working range of 10 meters (32 feet). You can personalize the Bluetooth device name for the IP phone. The pre-configured Bluetooth device name will display in scanning list of other devices. It is helpful for the other Bluetooth devices to identify and pair with your IP phone. You can receive mobile calls on IP phone.

Procedure

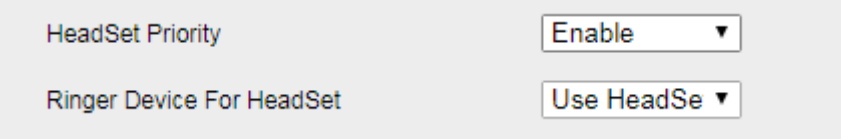
Bluetooth can be configured using the configuration file, web or phone.

Configuration file		Configure Bluetooth. Please refer to Bluetooth
Web Interface		Configure Bluetooth via web interface
Phone Interface		Configure Bluetooth via phone interface

Enable headset mode

To configure the headset mode via web interface:

1. Login the phone's webpage (**Username**: admin, **Password**: admin)
2. Click Setting->Preference. Select the Enable choice from the pull-down list of Headset priority. Select the Use HeadSet or Speaker&Headset choice from the pull-down list of Ringer Device For Headset.



3. Click  to save the configuration.

WI-FI

IP Phone supports the Wi-Fi feature which allows users to experience the flexible

deployment. Wi-Fi feature enables users to connect their phones to the organization's wireless network. The wireless network is more convenient and cost-effective than wired network.

When the Wi-Fi feature is enabled, the IP phone will automatically scan the available wireless networks. All the available wireless networks will display in scanning list on the LCD screen. The Wi-Fi feature can be configured in two different ways: Manual and Provision.

Manual

Wi-Fi can be manually configured by phone, so that users can add Wi-Fi according to their own situation.

Procedure

Manual can be configured using the phone.

Phone Interface		Configure Manual via phone interface

Provision

Provision can be assigned to the phone in batches, which can be used in provisioning a large number of IP Phones to access the same Wi-Fi.

Procedure

Provision can be configured using the configuration file or phone.

Configuration file	Cfgmac.xml, cfgmac	Configure Provision Wi-Fi on the IP phone. For more information, refer to Provision Wi-Fi.
Phone Interface		Configure Provision via phone interface

Note:

When you connect the Ethernet cable, you can enable the Wi-Fi feature. But you have to disable the Wi-Fi feature if you want to use the wired network. Wi-Fi that is designated by the server will override the user-defined Wi-Fi.

Configuring advanced Features

- Alert Ring
- Tones
- Directories
- Busy Lamp Field (BLF)
- Busy Lamp Field (BLF) List
- line key as cancel
- share line
- Music on Hold
- Message Waiting Indicator (MWI)

- Multicast Paging
- Call Recording
- Action URL
- Action URI
- Server Redundancy
- Enable Call Features
- Proxy Require
- Check SIP User ID
- Special Feature
- 100 reliable retransmission

Alert Ring

Using this feature, you can be to customize different ring tones for different group (for example: sales, production, development department) or internal/external incoming call

Procedure

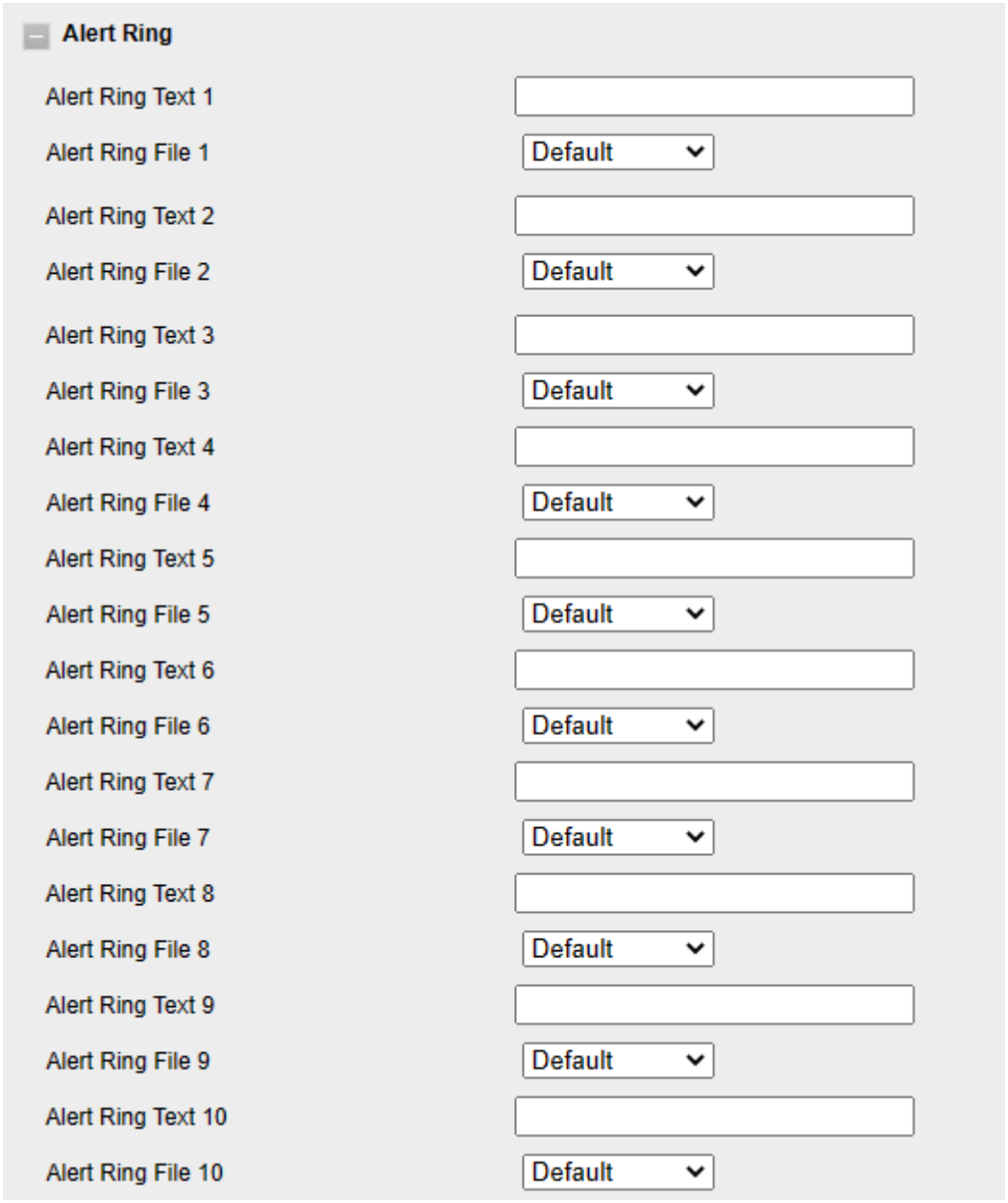
Alert Ring can be configured using the configuration file or web.

Configuration file		Configure alert ring feature
Web Interface		Configure alert ring feature via web interface

To configure the alert ringer text and alert ringer file via web interface:

1. Click on Setting→Features→Alert Ring
2. Enter the desired group or internal/external name in the Alert Ring text (1-10) field
3. Select the desired Ring file from the pull-down list of Alert Ring file (1-10) field
4. Click 

to save the configuration



Tones

When dial a call, the IP phone will play a dial tone. You can customize tones or select specialized tone sets (vary from country to country) to indicate different conditions of the IP phone. Available tone sets for IP phones:

- Australia
- Austria
- Brazil
- Belgium
- China
- Chile
- Czech
- Denmark

- Finland
- France
- Germany
- Great Britain
- Greece
- Hungary
- Lithuania
- India
- Italy
- Japan
- Mexico
- New Zealand
- Netherlands
- Norway
- Portugal
- Spain
- Switzerland
- Sweden
- Russia
- United States

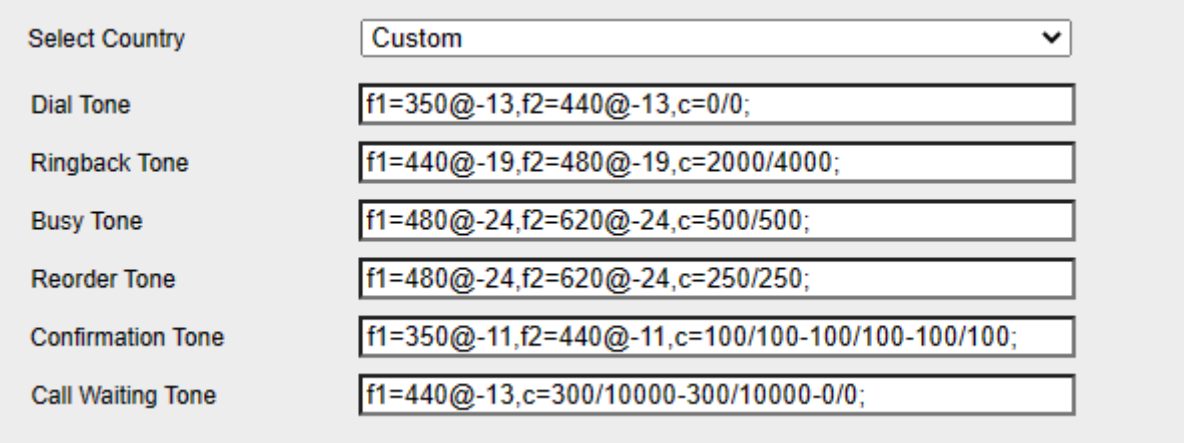
Procedure

Tones can be configured using the configuration file or web.

Configuration file		Configure tones for IP Phone
Web Interface		Configure tones for IP Phone via web

To configure tones via web interface:

1. Click on Setting->Tones
2. Select the desired type from the pull-down list of Select Country
   If you select Custom, you can write the tones manually for indicating each condition of the IP phone in this format.
3. Click SaveSet to save the configuration



Directories

Users can access frequently used directory lists by pressing the Directory/Dir soft key when the IP phone is idle. The lists can be All Contacts, Local Directory, Remote Phone Book ,Auto Provision(AP) Phonebook and LDAP.

Local Directory

The IP phone maintains a local directory. The local directory can store up to 1000 contacts and 32 groups(including the default groups: Company, Family and Friend).When adding a contact to the local directory, in addition to name and phone numbers, you can also specify the account, ring tone and group for the contact. Contacts and groups can be added either one by one or in batch using a contact file.
In the directory, you can add or delete your friends, business partner or anyone others' phone No. so you will not forget their number. Or put some anonymous phone No. in the blacklist to prevent from being disturbed.

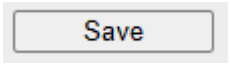
Procedure

Configuration changes can be performed using the web or phone.

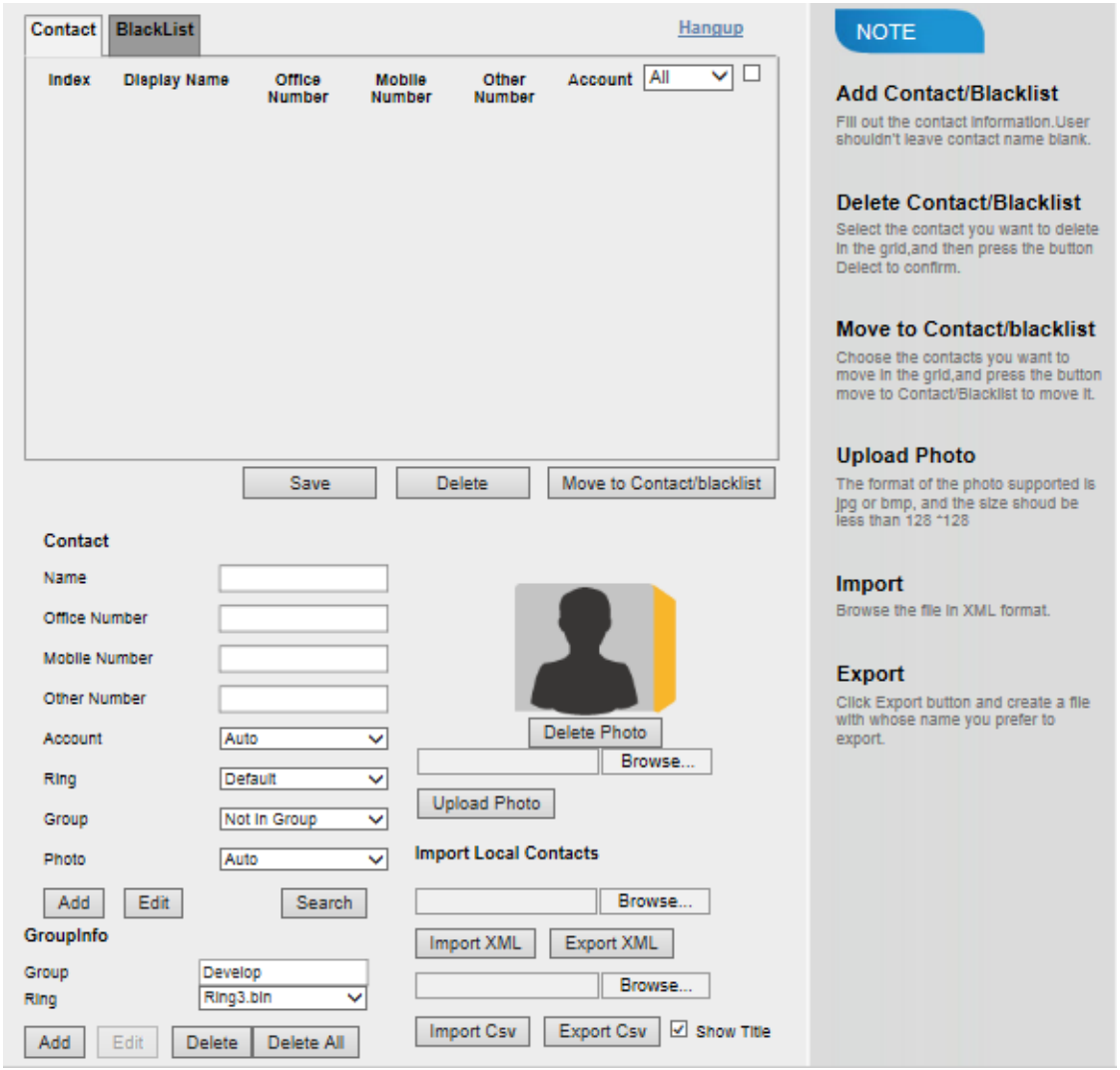
Web Interface		Add a new group and a contact to the local directory
Phone Interface		Add a new group and a contact to the local directory

To add a new group to the local directory via web interface:

1. Click Directory->Directory
2. Enter the new group name in the Group Info field.
3. Select the desired group ring tone from the pull-down list of Ring.
4. Press 

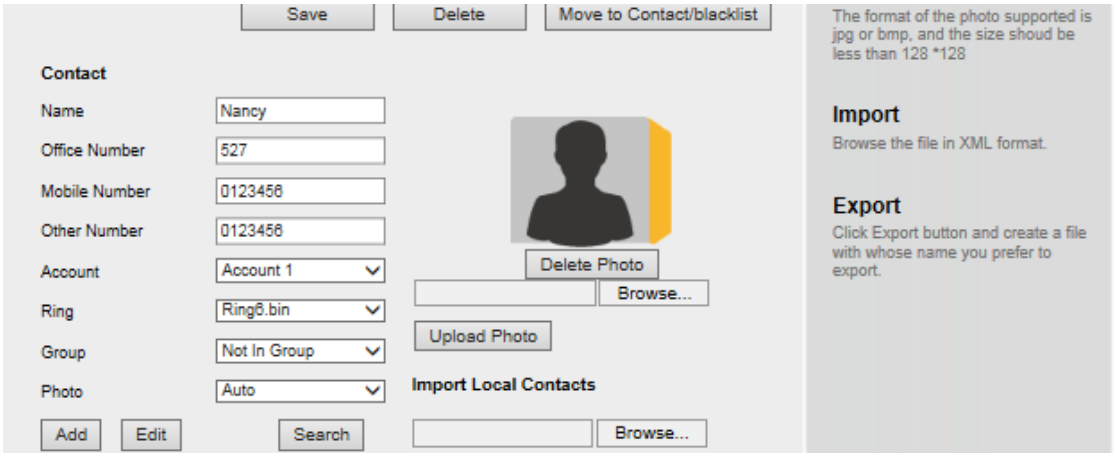
to add the new group and then press 

button.



To add a contact to the local directory via web interface:

1. Click Directory->Directory
2. Enter the new contact name, number and some other information... in the Contact field.
3. Press Add to add the new group and then press Save button.



To import or export the contact list to Local Directory

You can manage your phone's local directory via phone or web interface. But you can only import or export the contact list via web interface.

To import an XML file of contact list via web interface:

1. Click on Directory->Directory
2. Click Browse to select a contact list file (file format must be .xml) from your local system.
3. Click Import XML to import the contact list.

To export an XML file of contact list via web interface:

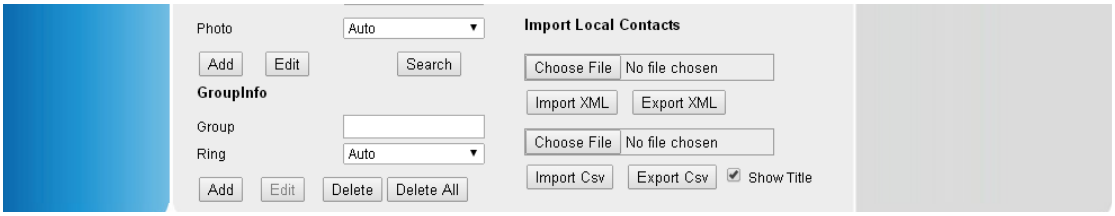
1. Click on Directory->Directory
2. Click Export XML to import the contact list.

To import a CSV file of contact list via web interface:

1. Click on Directory->Directory
2. Click Browse to select a contact list file (file format must be .csv) from your local system.
3. Click Import Csv to import the contact list.

To export a CSV file of contact list via web interface:

1. Click on Directory->Directory
2. Click Export Csv to import the contact list.



AP Phonebook

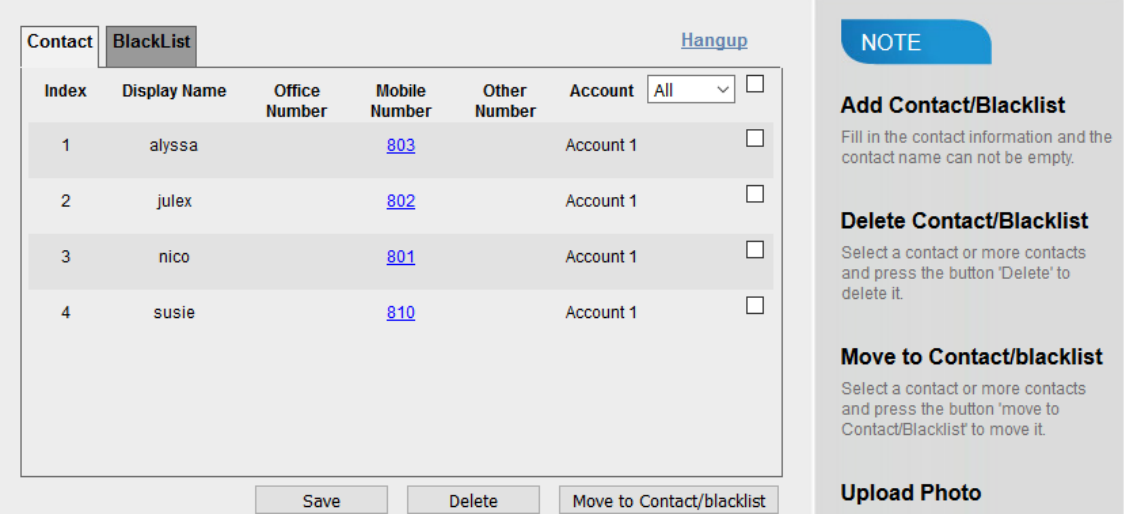
Procedure

AP phonebook can be configured using the configuration file or web.

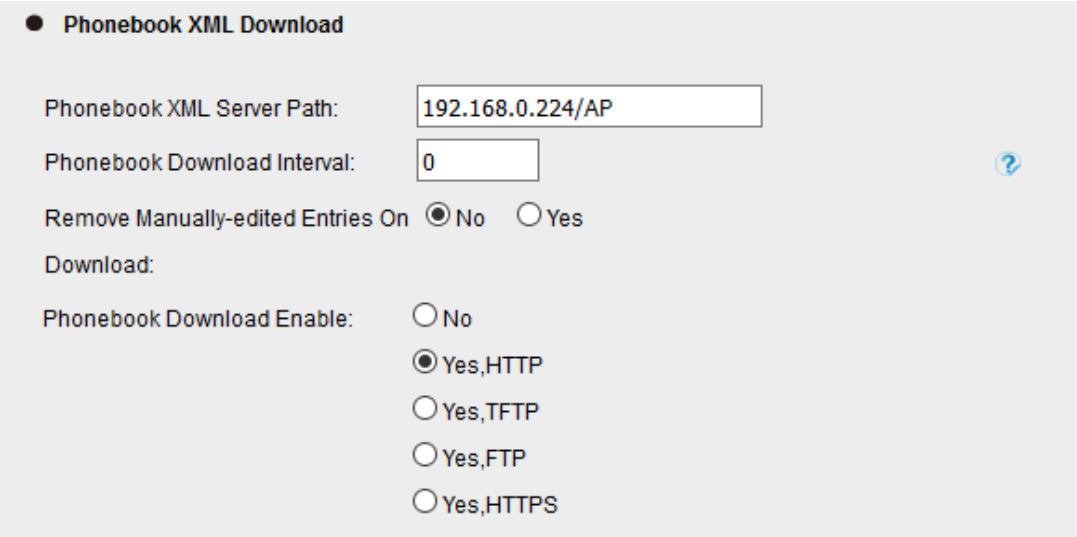
Configuration file		Configure AP Phonebook
Web Interface		Configure AP phonebook via web interface

To configure AP phonebook via web interface:

1. Click on Directory->Directory, add some contacts in this web
2. Save your contacts, then press "Export XML" button, download the phonebook.xml and put the phonebook.xml to your phonebook.xml server path.



3. Click on Management->Auto Provision->Phonebook XML Download->Configurate the Phonebook XML Server Path(e.g:192.168.0.224/AP) and select the type.



Note:

1) If server have username and password ,you need to set like this: Username:password@ip address/file path(eg:user:123456@192.168.0.224/AP)

2) Phonebook.xml:

you can use your own file, but it must be named phonebook.xml

Remote phonebook

Remote phonebook is a centrally maintained phone book, stored on the remote server. Users only need the access URL of the remote phonebook. The IP phone can establish a connection with the remote server and download the entries by HTTP/HTTPS protocol, and then display the remote phone book entries on the phone user interface. IP phones support up to 5 remote phonebooks and every remote contact only support 1000 contacts. Remote phonebook is customizable. For more information, refer to Remote XML Phone Book

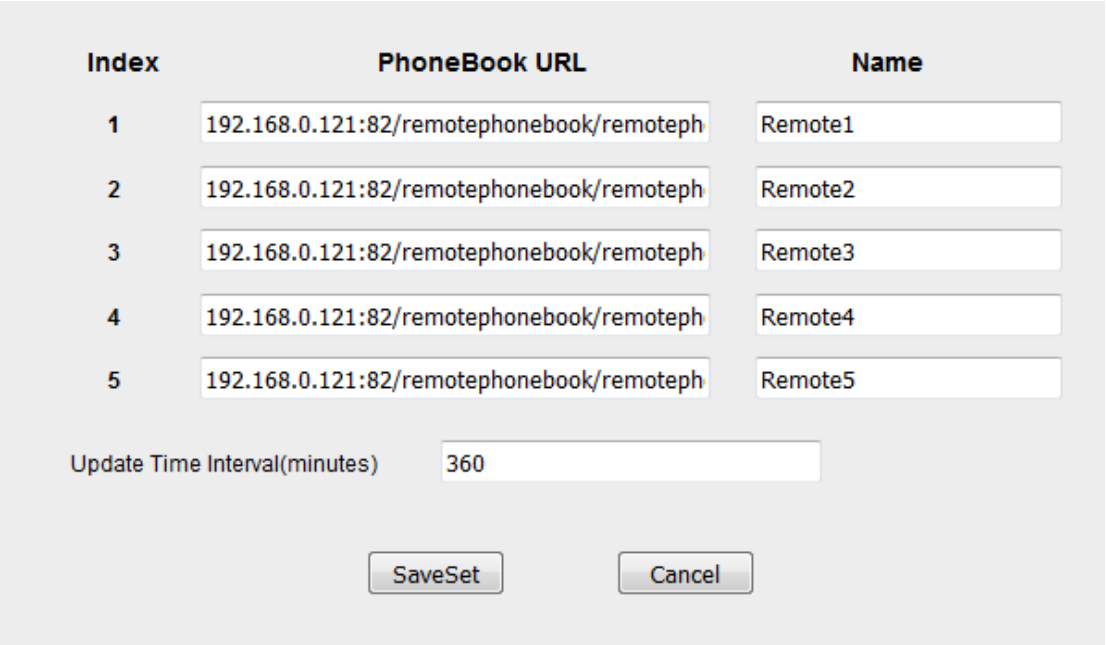
Procedure

Remote phonebook can be configured using the configuration file or web.

Configuration file		Configure Remote phonebook
Web Interface		Configure Remote phonebook via web interface

To configure Remote phonebook via web interface:

1. Click on Directory→Remote Phone Book
2. Enter the access URL in the Phone Book URL field.
3. Enter the name in the Name field
4. Click SaveSet to save the configuration



LDAP

LDAP (Lightweight Directory Access Protocol) is an application protocol for accessing and maintaining information services for the distributed directory over an IP network. IP phones can be configured to interface with a corporate directory server that supports LDAP version 2 or 3.

The biggest plus for LDAP is that users can access the central LDAP directory of the corporation using IP phones, so they do not have to maintain the local directory. Users can search and dial out from the LDAP directory and save LDAP entries to the local directory. LDAP entries displayed on the IP phone are read only, which cannot be added, edited or deleted by users. When an LDAP server is properly configured, the IP phone can look up entries from the LDAP server in a wide variety of ways. The LDAP server indexes all the data in its entries, and "filters" may be used to select the desired contactor group, and return the desired information.

The configurations on the IP phone limit the amount of displayed entries when querying from the LDAP server, and decide how the attributes are displayed and sorted. You can

assign a DSS key to bean LDAP key, and press the LDAP key to enter the LDAP search screen when the IP phone is idle.

LDAP Attributes:

Abbreviation	Name	Description
gn	Given name	First name
cn	Common name	LDAP attribute being made up from given name joined to surname
sn	surname	Last name or family name
dn	Distinguished name	Unique identifier for each entry
dc	Dc	Domain component
-	Company	Company or organization name
-	Telephone number	Office phone number
mobile	Mobile phone number	Mobile or cellular phone number
Ip Phone	IP Phone number	Home phone number

Procedure

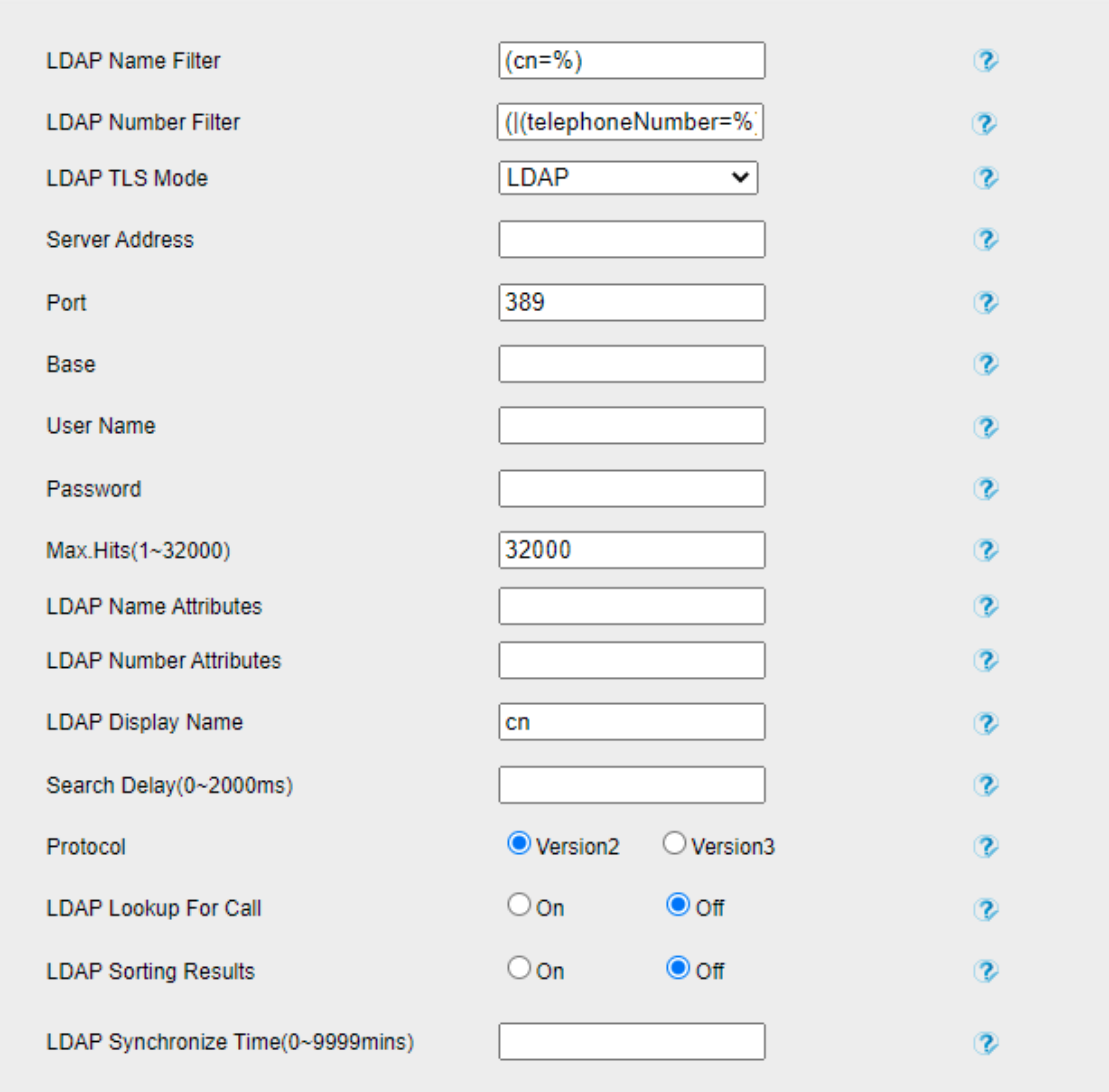
LDAP can be configured using the configuration file or web.

Configuration file		Configure LDAP
Web Interface		Configure LDAP via web

To configure the LDAP via Web interface

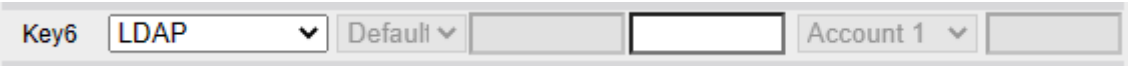
1. Click Directory → LDAP.
2. Enter the values in the corresponding fields.
3. Click 

to save the configuration.



To configure the LDAP key via Web interface

1. Click Function keys → Line Key.
2. Select the desired Key and select LDAP in the Type.
3. Click SaveSet to save the configuration.



Directory Search

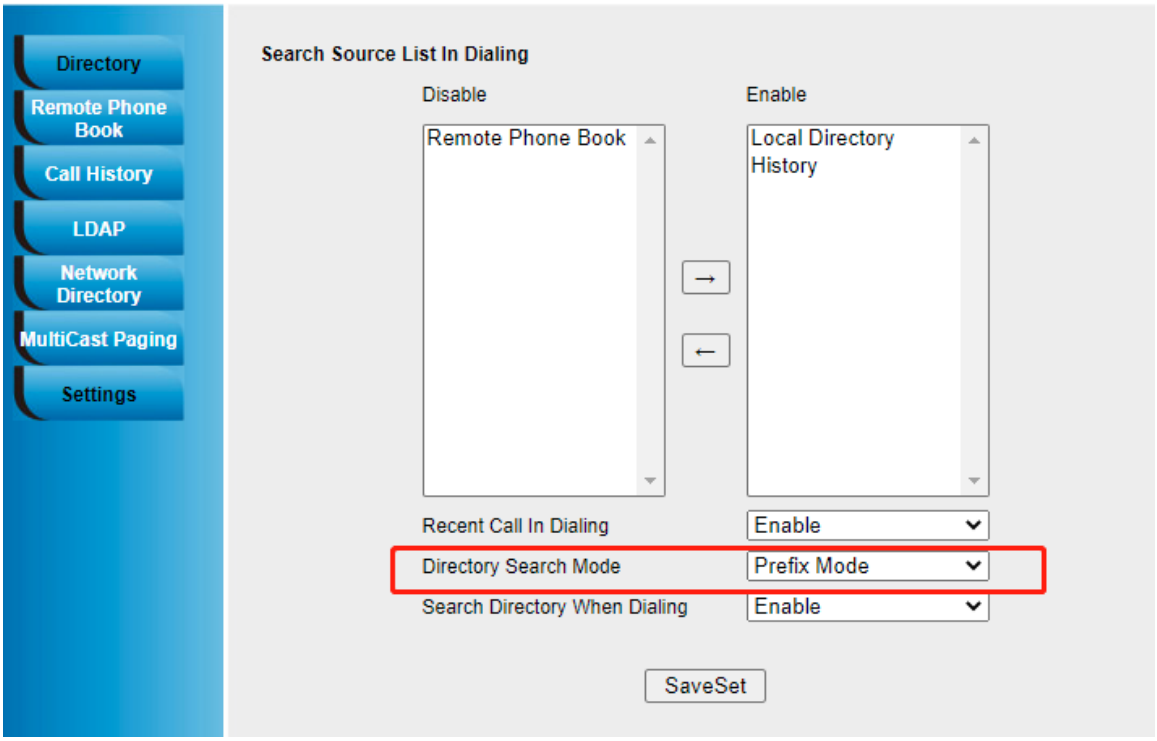
Directory Search Mode

Directory Search Mode supports two mode: Prefix and Fuzzy.
Select Prefix mode, all contacts at the beginning of the Directory containing the search will be displayed. Select fuzzy mode, all contacts in the phone book will be displayed as long as they contain the search.

Procedure

Directory Search Mode can be configured using the configuration file or web.

Configuration file		Configure Directory Search Mode
Web Interface		Configure Directory Search Mode via web interface



Busy Lamp Field(BLF)

Busy Lamp Field (BLF) is used to monitor a specific user for status changes on IP phones. For example, you can configure a BLF key on a supervisor's phone to monitor the phone user status (busy or idle). Then when the user places a call, a busy indicator on the supervisor's phone indicates that the user's phone is in use. When the monitored user is idle, the supervisor can press the BLF key to dial out the phone number. When the monitored user receives an incoming call, the supervisor can press the BLF key to pick up the call directly. When the monitored user is on a call, the supervisor can press the BLF key to interrupt and set up a conference call.

BLF LED Mode

IP Phone can customize the BLF key LED status.

The default BLF Setting list:

Current Call Status	BLF Status Text	BLF Led Mode	Description
Idle	terminated	Solid Green	The monitored user is idle
Incoming Call	early	Flashing Red 0.1s	The monitored user receives an incoming call.
Dialing	confirmed	Solid Red	The monitored user is busy
Taking	confirmed	Solid Red	The monitored user is

			busy
Hold	confirmed	Solid Red	The monitored user is busy
Parked	confirmed	Solid Red	The monitored user is busy
Off line	unknown	Led off	The monitored user does not exist

For more information, please refer to <<How does the BLF Settings Custom option work>>

Procedure

BLF can be configured using the configuration file, web or phone.

Configuration file		Configure BLF key, BLF Type
Web Interface		Configure BLF key ,BLF Type via web interface
Phone Interface		Configure BLF key via phone interface

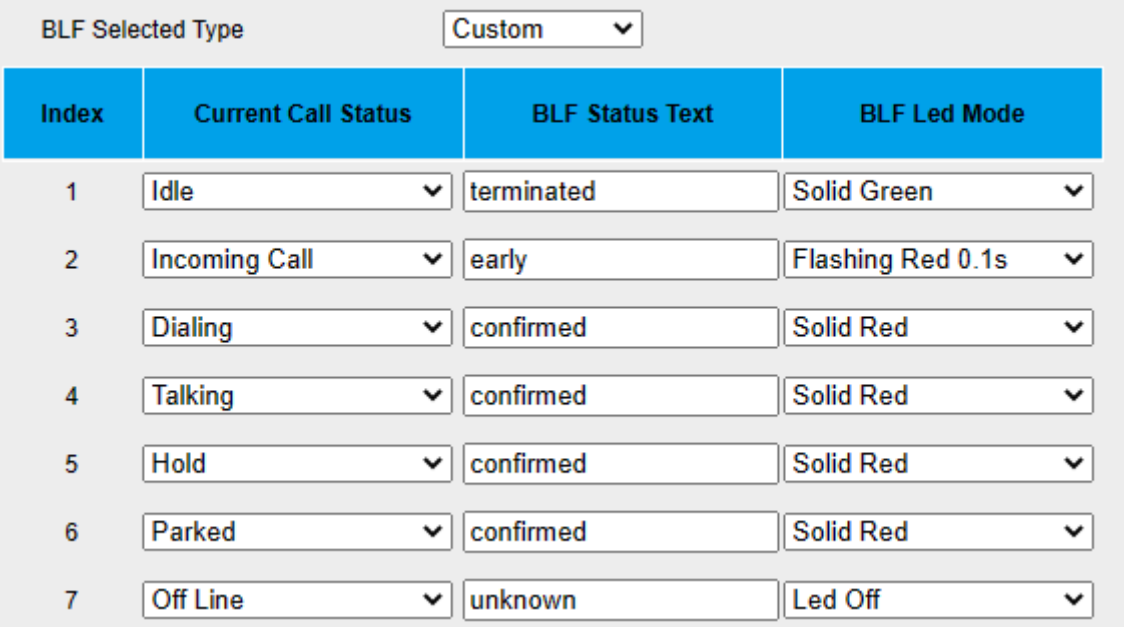
To configure a BLF key by web

1. Click Function keys → Line key.
2. Select the desired Line key and select BLF in the Type.
3. Enter the monitored phone number in the Value field.
4. Select the Account ID
5. Filled the Pickup code.
6. Click SaveSet to save the configuration.

To configure the BLF Type via web

1. Click on Setting→BLF Settings
2. Select the desired value from the pull-down list of BLF select Type field

If you select the custom type, you can customize the BLF setting



BLF blink: Turn this option on to make the BLF icon blink when the monitored extension

is talking.

Busy Lamp Field(BLF) List

BLF List allows a list of specific extensions to be monitored for status changes. It enables the
monitoring phone to subscribe to a list of users, and receive status notifications of the monitored users. Different indicators on the monitoring phone show the status of monitored users. The monitoring user can also be notified about calls being parked/no longer parked against any monitored user. IP phones support BLF list using a SUBSCRIBE/NOTIFY mechanism as specified in RFC 3265. This feature depends on support from a SIP server. You can customize BLF LED status when the supervisor's phone and the monitored phone are in different statuses.

Procedure

BLF List can be configured using the configuration file, web or phone.

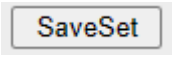
Configuration file		Configure BLF List key,BLF List Mode
Web Interface		Configure BLF List key,BLF List Mode e via web interface
Phone Interface		Configure BLF List key,BLF List Mode via phone interface

To configure a BLF list key by web:

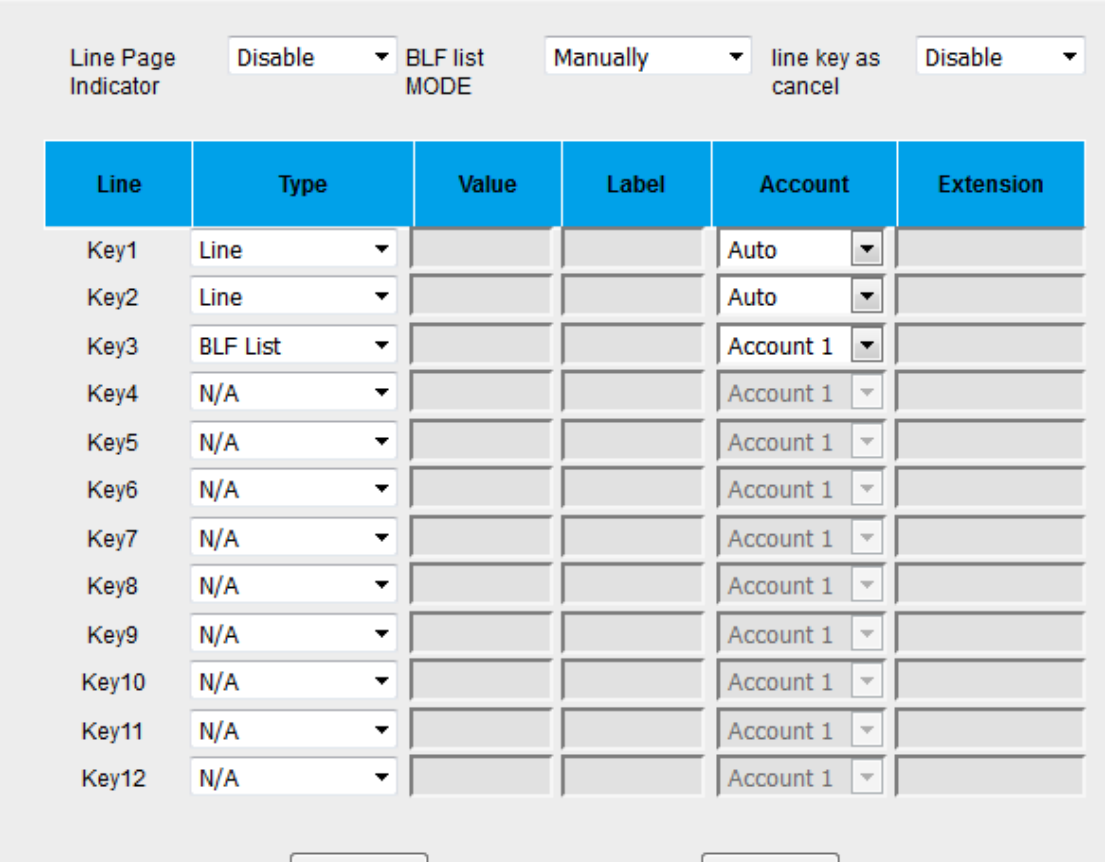
1. Click Function keys → Line key.
2. Select the desired Line key and select BLF list in the Type.
3. Select the Account ID
4. Click 

to save the configuration

To configure a BLF list mode by web:

1. Log into the web interface. The default user name and password are both "admin"
2. Click on Function Keys ->Line Key.
3. In the BLF List Mode, select the desired value from the pull-down list of Mode.
4. Click 

to save the configuration



Share line

Shared Call Appearance (SCA)

The Shared Call Appearance feature allows a line that is an address-of-record, to place and receive calls on multiple IP Phones. Although the IP Phones each register with the BroadWorks server with different unique URIs, the call appears to the other party to be originating from or terminating at the same line, no matter which of the IP Phones sharing the line is used.

In SCA function, one account can be registered in several devices, allow dialing out different calls or answering different incoming calls at the same time. This function combined with brp server, you need to add the Shared Call Appearance line in advance. SCA and BLA are similar signaling methods that enable more than one phone to share a SIP line. The method you use varies with the SIP server you are using. In the configuration files, the relevant configuration parameters of SCA and BLA are different. The barge-in is not available with BLA; but they are available with SCA.

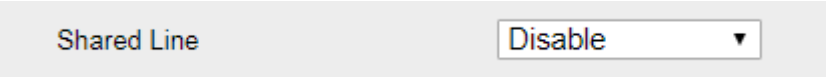
Procedure

SCA can be configured using the configuration file or web.

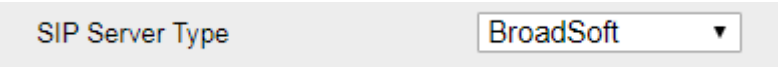
Configuration file		Configure SCA
Web Interface		Configure SCA via web interface

To enable share line via Web interface

1. Click Account→ Basic
2. Select the desired account from the pull-down list of Account in the Account field.
3. Select SCA for the Shared Line.



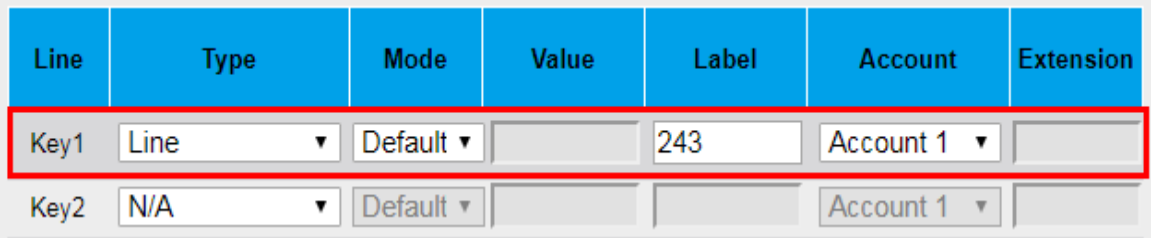
4. Click Profile→ Advanced
5. Select the desired profile from the pull-down list of Profile in the Profile field.
6. Select the SIP Server Type.



7. Click SaveSet to save the configuration.

To configure Line key via Web interface

1. Click Function Keys→ Line Key.
2. Select the wanted Line Key and set as Line.
3. Select the Account.
4. Click the SaveSet button to save the configuration.



Message Waiting Indicator (MWI)

Message Waiting Indicator (MWI) informs users of the number of messages waiting in their mailbox without calling the mailbox. IP phones support audio MWI when receiving new voice messages.

IP phones support both solicited and unsolicited MWI. Unsolicited MWI is a server related feature.

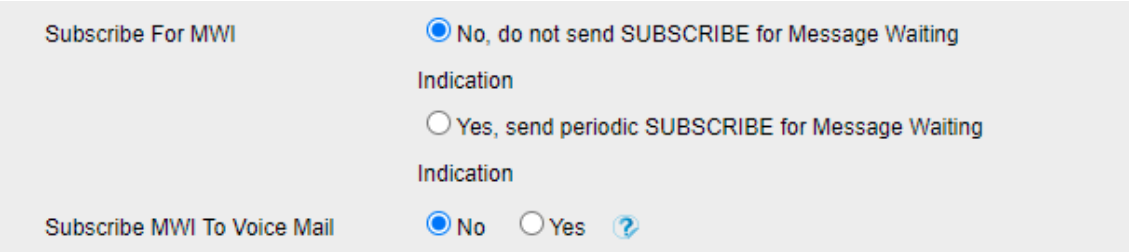
IP phone sends a SUBSCRIBE message to the server for message-summary updates. The server sends a message-summary NOTIFY within the subscription dialog each time the MWI status changes. For solicited MWI, you must enable the MWI subscription feature on IP phones. IP phones can subscribe the MWI messages to the account or the voice mail number.

Procedure

WMI can be configured using the configuration file, web or phone.

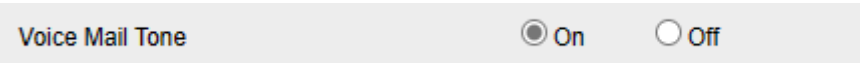
Configuration file		Configure subscribe for MWI
Web Interface		Configure subscribe for WMI and Voice Mail Tone via web interface

To configure subscribe for MWI via web interface:



To configure Voice Mail Tone via web user interface:

1. Click on Setting→Preference
2. Select the desired value(On/Off) in the Voice Mail Tone field
3. Click SaveSet to save the configuration.



Multicast paging

Multicast paging allows IP phones to send/receive Real-time Transport Protocol (RTP) streams to/from the pre-configured multicast address (es) without involving SIP signaling. Up to 10 listening multicast addresses can be specified on the IP phone.

Sending RTP Stream

Users can send an RTP stream without involving SIP signaling by pressing a configured multicast paging key. A multicast address (IP: Port) should be assigned to the multicast paging key, which is defined to transmit RTP stream to a group of designated IP phones. When the IP phone sends the RTP stream to a pre-configured multicast address, each IP phone that pre configured to listen to the multicast address can receive the RTP stream. When the originator stops sending the RTP stream, the subscribers stop receiving it.

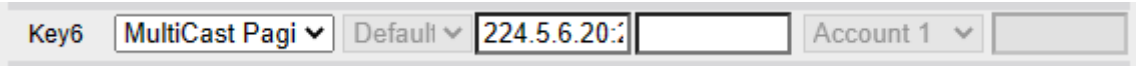
Procedure

Configuration changes can be performed using the configuration file, web or phone.

Configuration file		Configure a multicast paging key Specify a multicast codec for the IP phone to use for multicast RTP
Web Interface		Configure a multicast paging key Specify a multicast codec for the IP phone to use for multicast RTP via web interface
Phone Interface		Configure a multicast paging key

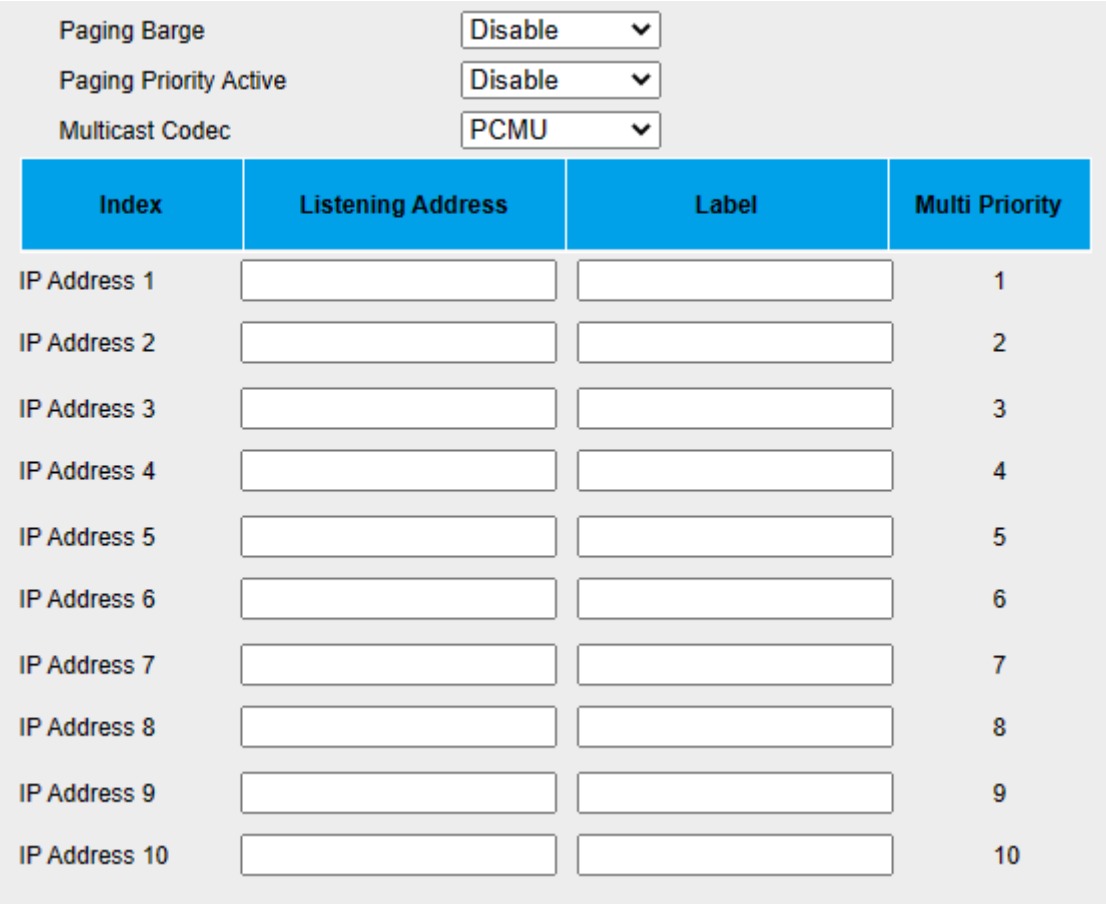
To configure a multicast paging key via web interface:

1. Click Function keys → Line key.
2. Select the desired Line key and select multicast paging in the Type.
3. Enter the multicast IP address and port number in the Value field.
   The valid multicast IP addresses range from 224.0.0.0 to 239.255.255.255
4. Click SaveSet to save the configuration.



To configure multicast paging codec via web interface:

1. Click Directory→ Multicast paging.
2. Select the desired codec from the pull-down list of multicast Codec field
3. Click SaveSet to save the configuration.



Receive RTP Stream

IP phones can receive an RTP stream from the pre-configured multicast address(es) without involving SIP signaling, and can handle the incoming multicast paging calls differently depending on the configurations of Paging Barge and Paging Priority Active.

Paging Barge

This parameter defines the priority of the voice call in progress, and decides show the IP phone handles the incoming multicast paging calls when there is already a voice call in progress. If the parameter is configured as disabled, all incoming multicast paging calls will be automatically ignored. If the parameter is the priority value, the incoming multicast paging calls with higher priority are automatically answered and the ones with lower priority are ignored.

Paging Priority Active

This parameter decides how the IP phone handles the incoming multicast paging calls when there is already a multicast paging call in progress. If the parameter is configured as disabled, the IP phone will automatically ignore all incoming multicast paging calls. If the parameter is configured as enabled, an incoming multicast paging call with higher priority is automatically answered, and the one with lower priority is ignored.

Procedure

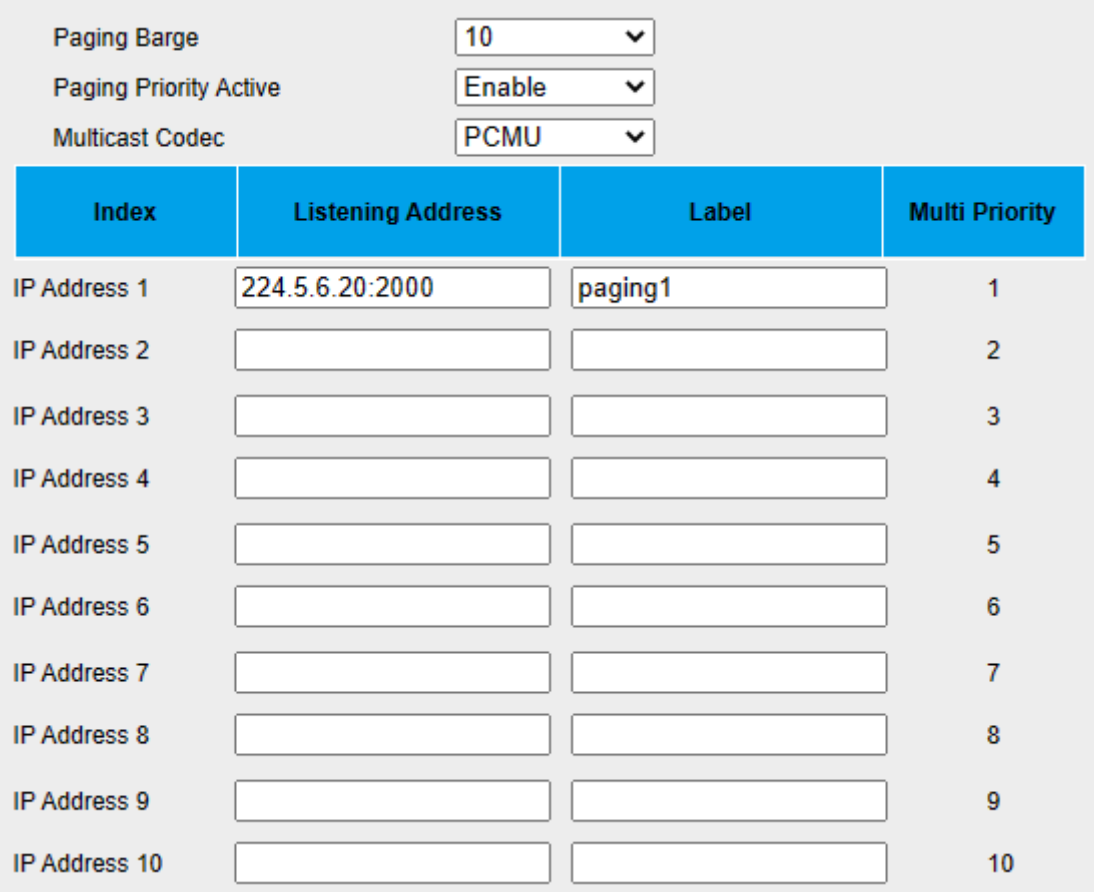
Configuration changes can be performed using the configuration file or web.

Configuration file		Configure the listening multicast address. Configure the Paging Barge and Paging Priority Active features
Web Interface		Configure the listening multicast address. Configure the Paging Barge and Paging Priority Active features

To configure a listening multicast address via web interface:

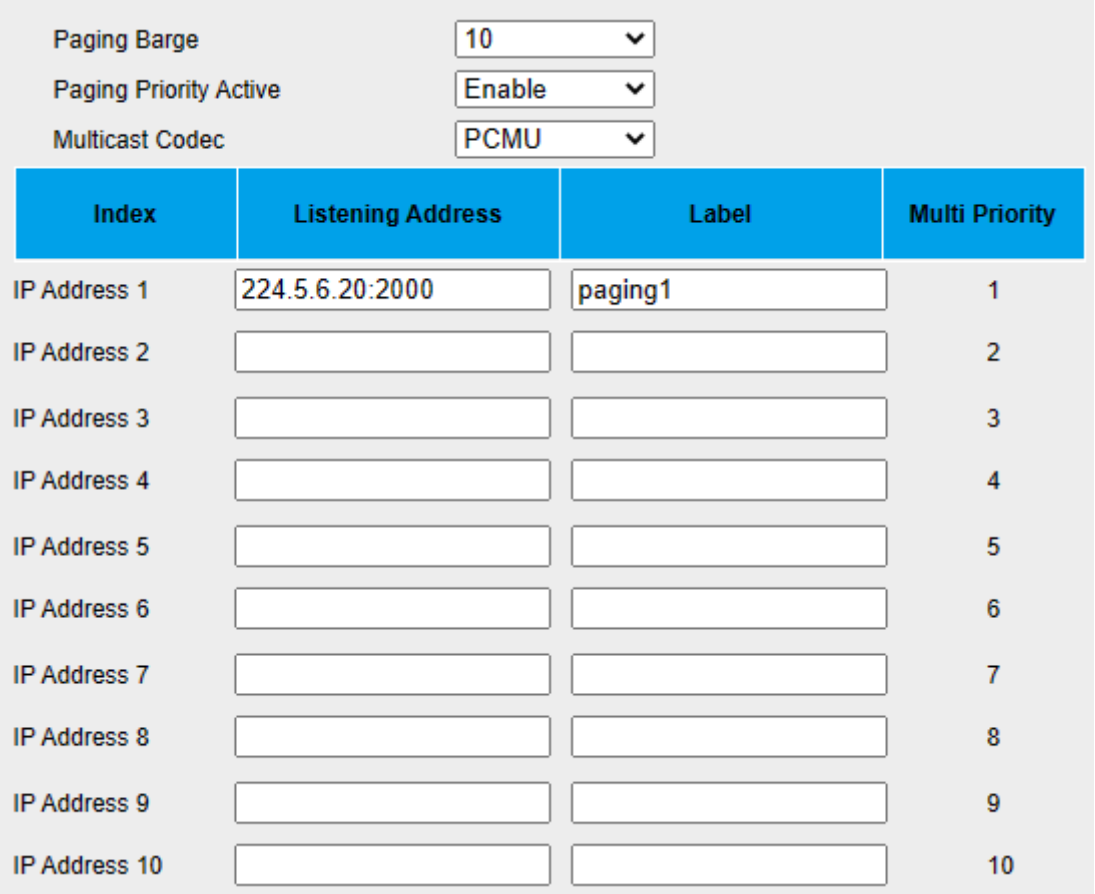
1. Click on Directory->Multicast Paging
2. Enter the listening multicast address and port number in the Listening Address field. 1 is the highest priority and 10 is the lowest priority.
3. Enter the label in the Label field. The label will appear on the LCD screen when receiving the RTP multicast.
4. Click 

to save the configuration.



To configure the paging barge and paging priority active features via web user interface:

1. Click on Directory->Multicast Paging
2. Select the desired value from the pull-down list of Paging Barge
3. Select the desired value from the pull-down list of Paging Priority Active
4. Click SaveSet to save the configuration.



Call recording

Call recording enables users to record calls. It depends on support from a SIP server. When the user presses the call record key, the IP phone sends a record request to the server. IP phones themselves do not have memory to store the recording, what they can do is to trigger the recording and indicate the recording status.

When a user presses a record key for the first time during a call, the IP phone sends a SIP INFO message to the server with the specific header “Record: on”, and then the recording starts.

When the user presses the record key for the second time, the IP phone sends a SIP INFO message to the server with the specific header “Record: off”, and then the recording stops.

Procedure

Call recording key can be configured using the configuration file ,web or phone.

Configuration file		Configure Call recording key
Web Interface		Configure Call recording key via web interface
Phone Interface		Configure Call recording key via phone interface

To configure the record key via Web Interface

1. Click Function keys → Line key.
2. Select the desired Line key and select Record in the Type.

3. Click SaveSet to save the configuration.

Action URL

Action URL allows IP phones to interact with web server applications by sending an HTTP or HTTPS GET request. You can specify a URL that triggers a GET request when a specified event occurs. Action URL can only be triggered by the pre-defined events (e.g. log on).The valid URL format is: http://admin:password@IP_Address/ help.xml

Event	Description
Setup Completed	When the IP phone completes startup.
Registered	When the IP phone successfully registers an account.
Unregistered	When the IP phone logs off the registered account.
Register Failed	When the IP phone fails to register an account.
Off Hook	When the IP phone is off hook.
On Hook	When the IP phone is on hook.
Incoming Call	When the IP phone receives an incoming call.
Outgoing Call	When the IP phone places a call.
Established	When the IP phone establishes a call.
Terminated	When the IP phone terminates a call.
Open DND	When the IP phone enables the DND mode.
Close DND	When the IP phone disables the DND mode.
Open Always Forward	When the IP phone enables the always forward.
Close Always Forward	When the IP phone disables the always forward.
Open Busy Forward	When the IP phone enables the busy forward.
Close Busy Forward	When the IP phone disables the busy forward.
Open No Answer Forward	When the IP phone enables the no answer forward.
Close No Answer Forward	When the IP phone disables the no answer forward
Transfer Call	When the IP phone transfers a call.
Blind Transfer	When the IP phone blind transfers a call.
Attended Transfer	When the IP phone performs the attended transfer.
Hold	When the IP phone places a call on hold.
UnHold	When the IP phone retrieves a hold call.
Mute	When the IP phone mutes a call.
UnMute	When the IP phone unmutes a call.
Missed Call	When the IP phone misses a call.
IP Changed	When the IP address of the IP phone changes.
Forward Incoming Call	When the IP phone forwards an incoming call.
Reject Incoming Call	When the IP phone rejects an incoming call.
Answer New-InCall	When the IP phone answers a new call.
Transfer Finished	When the IP phone completes to transfer a call.
Transfer Failed	When the IP phone fails to transfer a call.
Idle to Busy	When the state of the IP phone changes from idle to busy.
Busy to Idle	When the state of phone changes from busy to idle

An HTTP or HTTPS GET request may contain variable name and variable value, separated by “=”. Each variable value starts with$ in the query part of the URL. The valid URL format is:http(s)://IP address of server/help.xml?variable name=$variable value. Variable name can be customized by users, while the variable value is pre-defined. For

example, a URL http://192.168.0.251/help.xml?mac=$mac is specified for the event Mute, $mac will be dynamically replaced with the MAC address of the IP phone when the IP phone mutes a call.

The following table lists the pre-defined variable values:

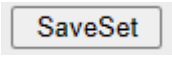
Variable Value	Description
$mac	MAC address of the IP phone
$ip	The current IP address of the IP phone
$model	Phone model
$firmware	Phone firmware version
$active_url	The SIP URI of the current account when the IP phone places a call, receives an incoming call or establishes a call.
$active_user	The user part of the SIP URI for the current account when the IP phone places a call,receives an incoming call or establishes a call.
$active_host	The host part of the SIP URI for the current account when the IP phone places a call, receives an incoming call or establishes a call.
$local	The SIP URI of the caller when the IP phone places a call. The SIP URI of the callee when the IP phone receives an incoming call.
$remote	The SIP URI of the callee when the IP phone places a call. The SIP URI of the caller when the IP phone receives an incoming call.
$display_local	The display name of the caller when the IP phone places a call. The display name of the callee when the IP phone receives an incoming call.
$display_remote	The display name of the callee when the IP phone places a call. The display name of the caller when the IP phone receives an incoming call.
$call_id	The call-id of the active call.

Procedure

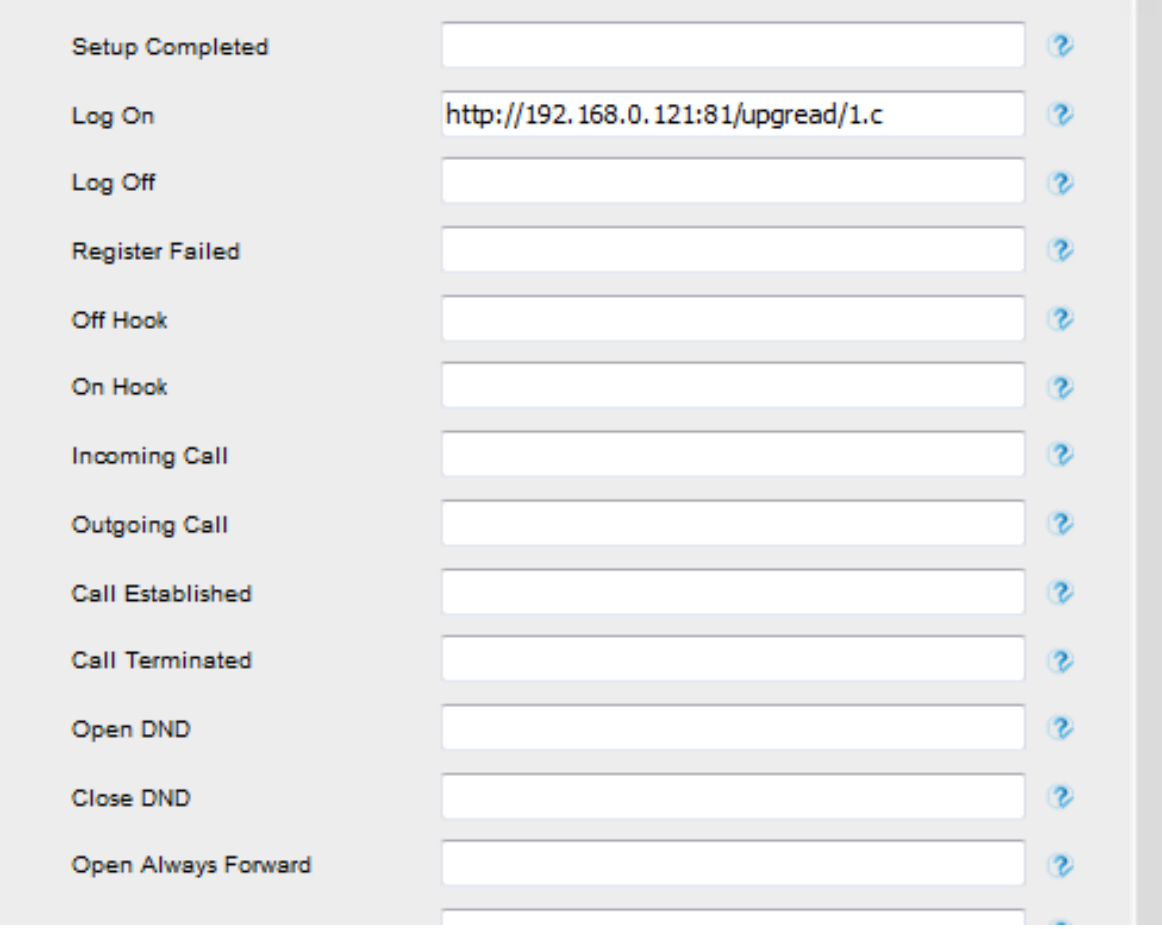
Action URL can be configured using the configuration file or web.

Configuration file		Configure Action URL
Web Interface		Configure Call recording key via web interface

To configure action URL via web interface:

1. Click on Setting->Action URL.
2. Enter the action URLs in the corresponding fields.
3. Click 

to save the configuration.



Action URI

Opposite to action URL, action URI allows IP phones to interact with web server application by receiving and handling an HTTP or HTTPSGET request. When receiving a GET request, the IP phone will perform the specified action and respond with a 200 OK

message. A GET request may contain variable named as “key” and variable value, which are separated by “=”. The valid URI format is:
http://admin:password@IP_Address/Phone_ActionURL&Command=%command%&key=%key_vaule%

Variable Value	Phone Action
OK	Press the OK key.
ENTER	Press the Enter soft key
SPEAKER	Press the Speaker key.
F_TRANSFER	Press the TRANSFER key or the Transfer soft key
VOLUME_UP	Increase the volume.
VOLUME_DOWN	Decrease the volume.
MUTE	Press the MUTE key
F_HOLD	Press the HOLD key or the Hold soft key.
X	Press the X key.

CANCEL	Return to a previous screen or cancel a call
0-9/*/POUND	Send the DTMF digit (0-9, * or #).
L1-L4	Press the line key
F_CONFERENCE	Press the Conference soft key.
F1-F4	Press the soft key.
MSG	Press the MESSAGE key.
HEADSET	Press the HEADSET key.
RD	Press the REDIALkey.
UP/DOWN/LEFT/RIGHT	Press the Navigation keys.
Reboot	Reboot the IP phone.
AutoP	Let the IP phoneperformauto provisioning.
DNDOn	Activate the DND mode.
DNDOff	Deactivate the DND mode.

Note: The variable value is not applicable to all events. For example, the variable value “MUTE” is only applicable when the IP phone is during a call.

TR069

TR069 is a technical specification, which is defined by the Broadband Forum. It defines a mechanism that encompasses secure auto-configuration of a CPE (Customer-Premises Equipment), and also incorporates other CPE management functions into a common framework. TR069 uses common transport mechanisms (HTTP) for communication between CPE and ACS (Auto Configuration Servers). The HTTP messages contain XML-RPC methods defined in the standard for configuration and management of the CPE. The protocol addresses different Internet access devices such as modems, routers, gateways, set-top boxes, and VoIP-phones for the end-users.

TR069 is an application layer protocol, which has broad applicability and no access restriction. TR-69 standard allows the subscriber to manage all devices on a common platform regardless of its device type and manufacturer. Its specifications ensure that the device can be easily and securely configured, activated and managed from a console in the service provider's network. This allows the service provider to provide an efficient and cost effective deployment of services.

Procedure

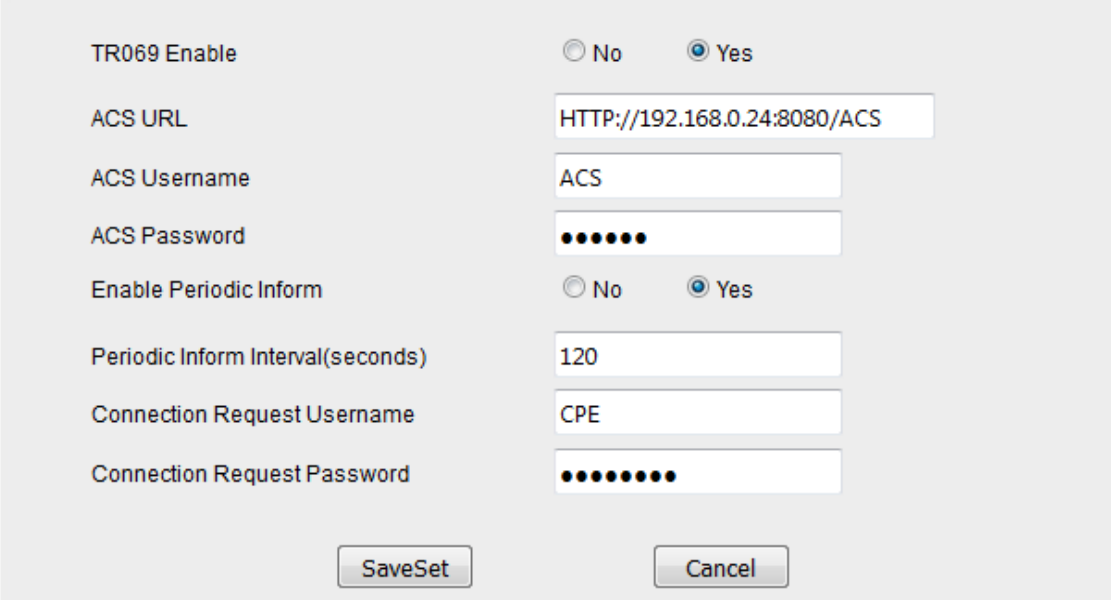
TR069 feature is disabled on the IP phone by default. You can enable or disable the TR069 feature using the configuration files or web interface.

Configuration file		Configure TR069
Web Interface		ConfigureTR069 via web interface

To configure TR069 via web Interface

1. Click Setting -> TR069
2. Configure the parameters in the corresponding fields.

3. Click SaveSet to save the configuration.



SIP

After the expiration of the account registration expires, it sends a registration packet to the server but the server does not return. The first interval is T1, the second interval is T2, and the third interval is T4.

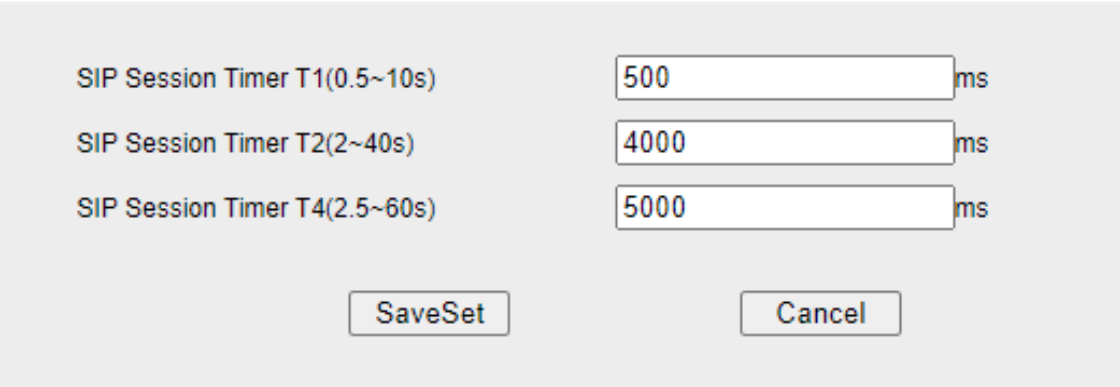
Procedure

TR069 feature is disabled on the IP phone by default. You can enable or disable the TR069 feature using the configuration files or web interface.

Configuration file		Configure SIP
Web Interface		Configure SIP via web interface

To configure TR069 via web Interface

1. Click Setting -> SIP
2. Enter the value in the SIP Session Timer fields.
3. Click SaveSet to save the configuration.



Proxy Require

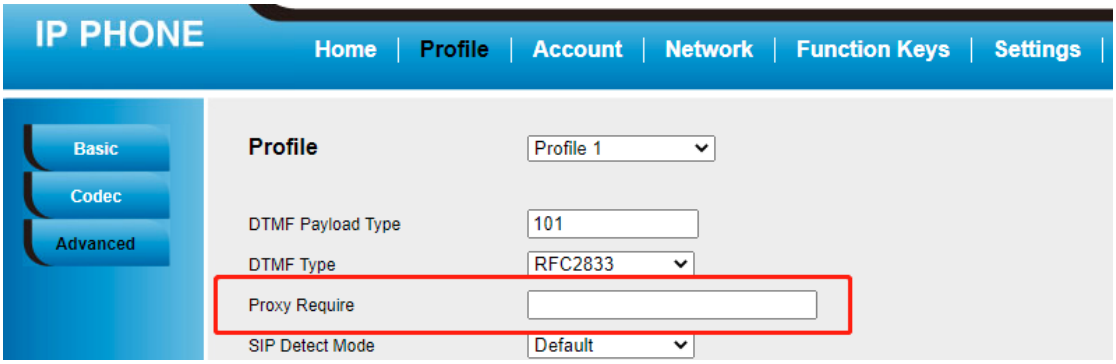
A SIP Extension to notify the SIP server that the phone is behind a NAT/Firewall. Do not configure this parameter unless this feature is supported on the SIP server.

Procedure

Proxy Require can be configured using the configuration file or web.

Configuration file		Configure Proxy Require
Web Interface		Configure Proxy Require

To configure Proxy Require via web Interface



Check SIP User ID

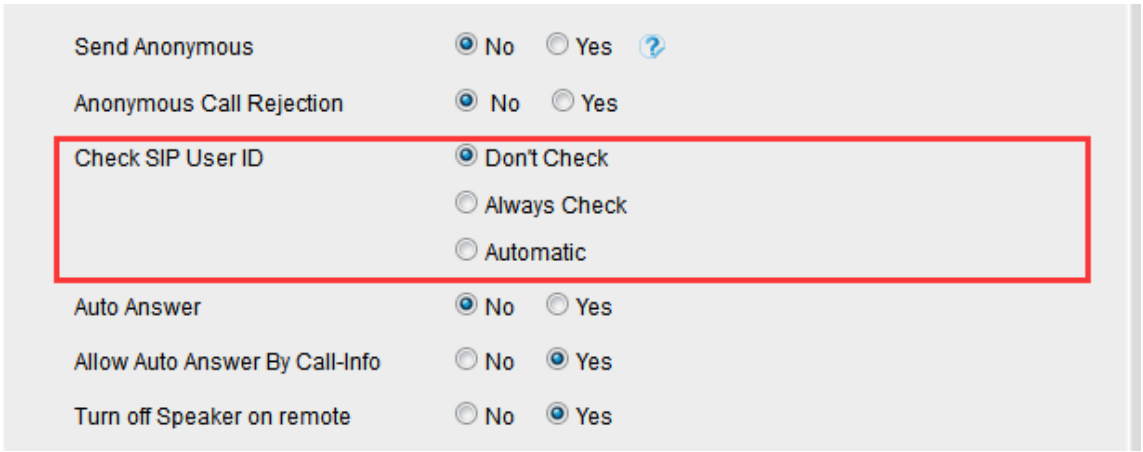
If set to "Always Check", SIP User ID will be checked in the Request URI of the incoming INVITE. If it doesn't match the phone's SIP User ID, the call will be rejected. The default setting is "Don't Check".

Procedure

Check SIP User ID can be configured using the configuration file or web.

Configuration file		Configure Check SIP User ID
Web Interface		Configure Check SIP User ID

To configure Check SIP User ID via web Interface



100 reliable retransmission

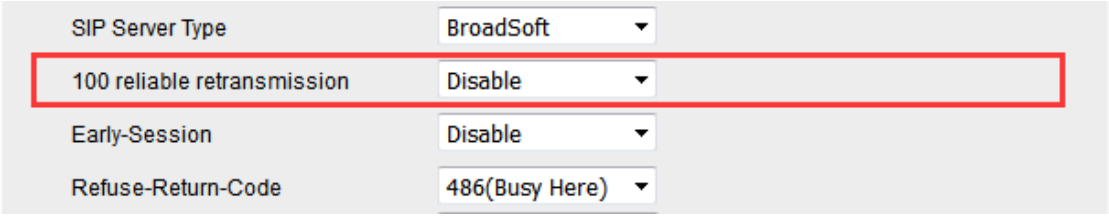
The use of the PRACK (Provisional Acknowledgment) method enables reliability to SIP provisional responses (1xx series). This is very important in order to support PSTN internetworking. To invoke a reliable provisional response, the 100rel tag is appended to the value of the required header of the initial signaling messages.

Procedure

100 reliable retransmission can be configured using the configuration file or web.

Configuration file		Configure 100 reliable retransmission
Web Interface		Configure 100 reliable retransmission

To configure 100 reliable retransmission via web Interface



Configuration audio features

This chapter provides information for making configuration changes for the following audio features:

- Headset priority
- Volume Amplification
- Audio Codec

Headset priority

When the IP Phone has a incoming call, Headset priority allows users to use headset preferentially if a headset is physically connected to the IP phone.

Procedure

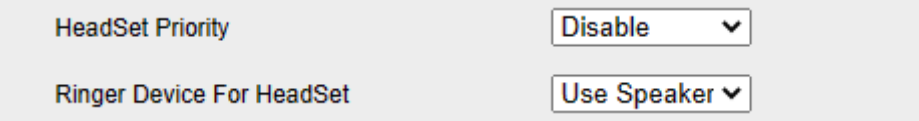
Headset priority can be configured using the configuration file or web.

Configuration file		Configure Headset priority
Web Interface		Configure Headset priority via web interface

To configure Headset priority via web Interface

1. Click the Setting->Preference
2. Select the Enable from the pull-down list of the Headset priority field
3. Click 

to save the configuration.



Volume Amplification

Volume Amplification can change the HandSet, HeadSet and HandFree ‘s send volume.

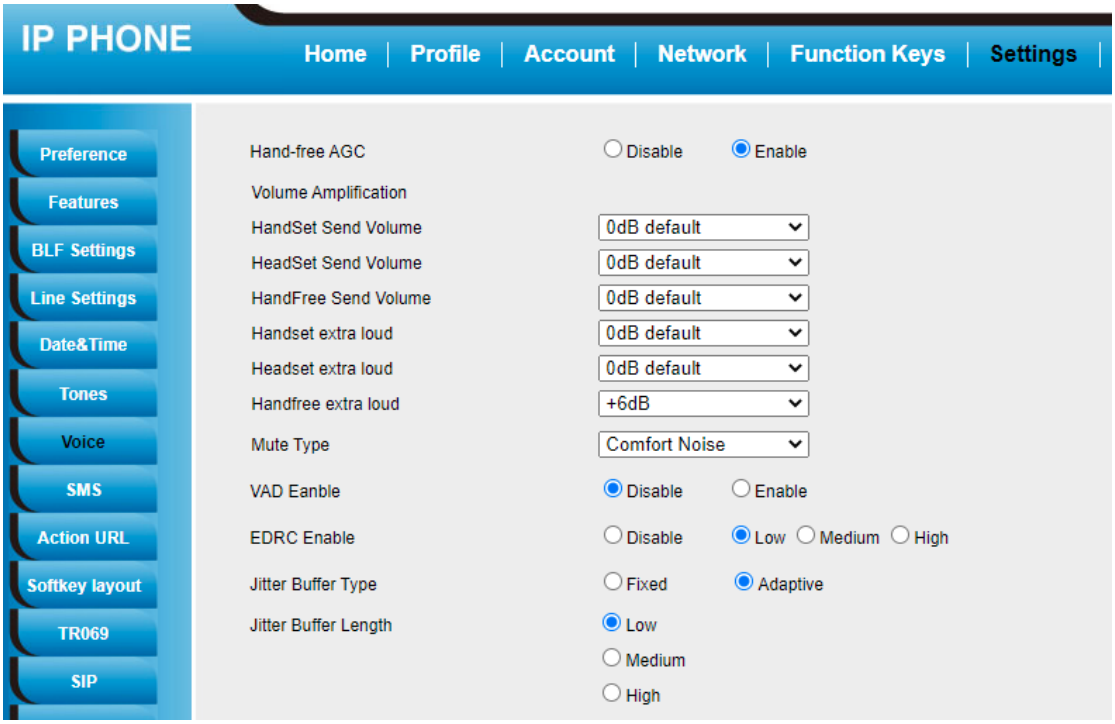
Procedure

HandSet, HeadSet and HandFree ‘s send volume can be configured using the configuration file or web.

Configuration file		Configure HandSet, HeadSet and HandFree ‘s send volume
Web Interface		Configure HandSet, HeadSet and HandFree ‘s send volume via web interface

To configuration the Handset Send Volume, Headset Send volume and HandFree Send volume

1. Click Setting->Voice
2. In the Volume Amplification block, select the desired value from pull-down list of HandSet Send Volume field
3. Select the desired value from pull-down list of HeadSet Send Volume field
4. Select the desired value from pull-down list of HandFree Send Volume field
5. Click SaveSet to save the configuration.



Audio Codec

A codec is a device or computer program capable of encoding or decoding a digital data stream or signal. a codec is a program (an *implementation*) which can read or write such files

A codec encodes a data stream or signal for transmission, storage or encryption, or decodes it for playback or editing. Codecs are used in videoconferencing, streaming media and video editing applications.

The default codec used on IP phones are summarized in the following table:

Codec	Algorithm	Bit Rate	Samplle Rate	Packetization Time(default)
PCMU	G.711 a-law	64Kbps	8KHz	20ms
PCMA	G.711 u-law	64Kbps	8KHz	20ms
G.722	G.722	16Kbps	16KHz	20ms
G.723.1	G.723.1	6.3/5.3Kbps	6.3/5.3 KHz	20ms
G.729A/B	G.729A/B	8Kbps	8 KHz	20ms
G.726-32	G.726-32	16/24/32/48Kbps	8KHz	20ms
iLBC	iLBC	13.3/15.2Kbps	8 KHz	20ms
OPUS	OPUS	Dynamic	16KHz	20ms

The corresponding attributes of the codec are listed as follows:

Codec	Priority	Payload Type
PCMU	1	0
PCMA	2	8
G.722	6	9
G.723.1	5	4
G.729A/B	3	18
G.726-32	4	103
iLBC	0	106
OPUS	0	120

Packetization Time

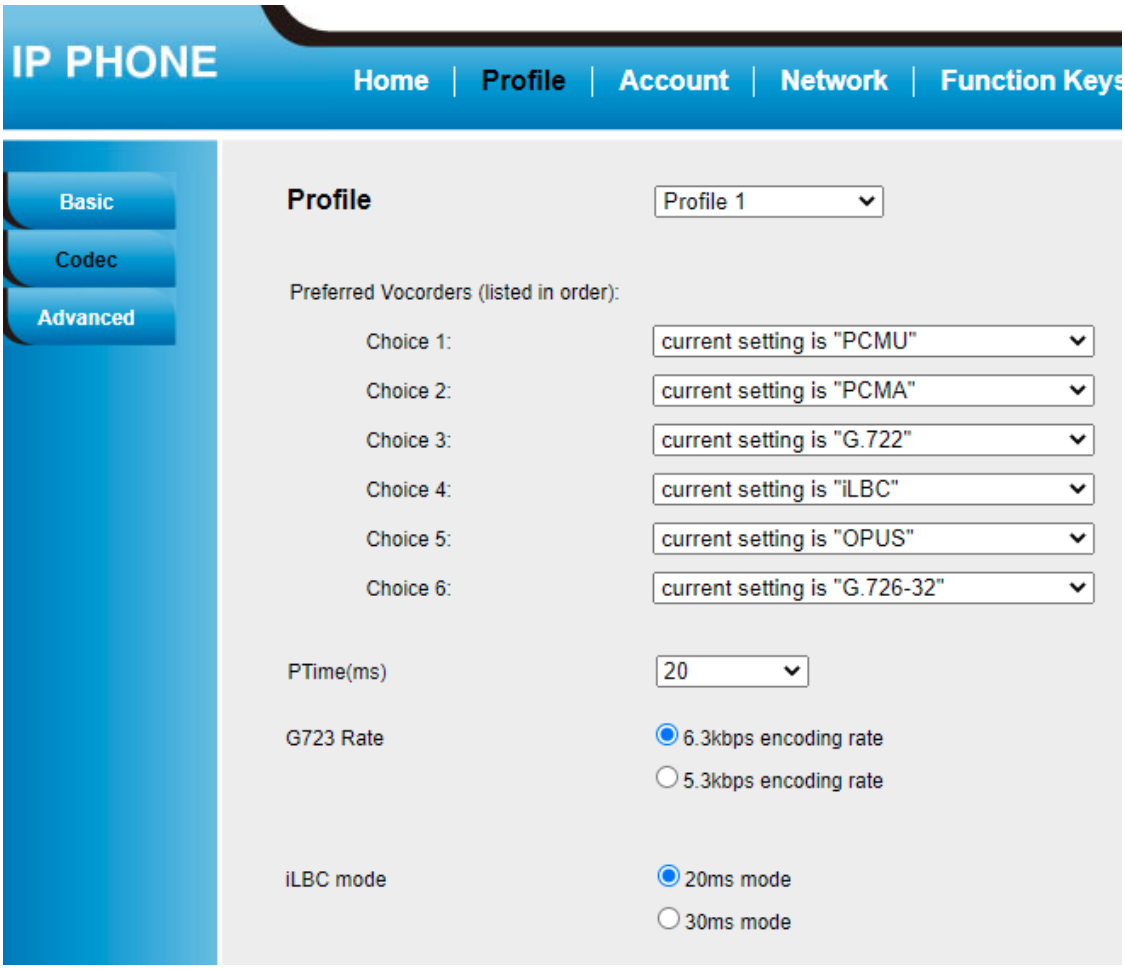
Ptime (Packetization Time) is a measurement of the duration (in milliseconds) of the audio data in each RTP packet sent to the destination, and define show much network bandwidth is used for the RTP stream transfer. Before establishing a conversation, codec and ptime are negotiated through SIP signaling. The valid values of ptime range from 10 to 60, in increments of 10milliseconds.The default ptime is 20ms. The iLBC Ptime are only 20ms and 30ms.

Procedure

The codec can be configured using the configuration file or web.

Configuration file		Configure codec and Ptime
Web Interface		Configure codec and Ptime via web

To configure the codec and Ptime via web interface



VAD

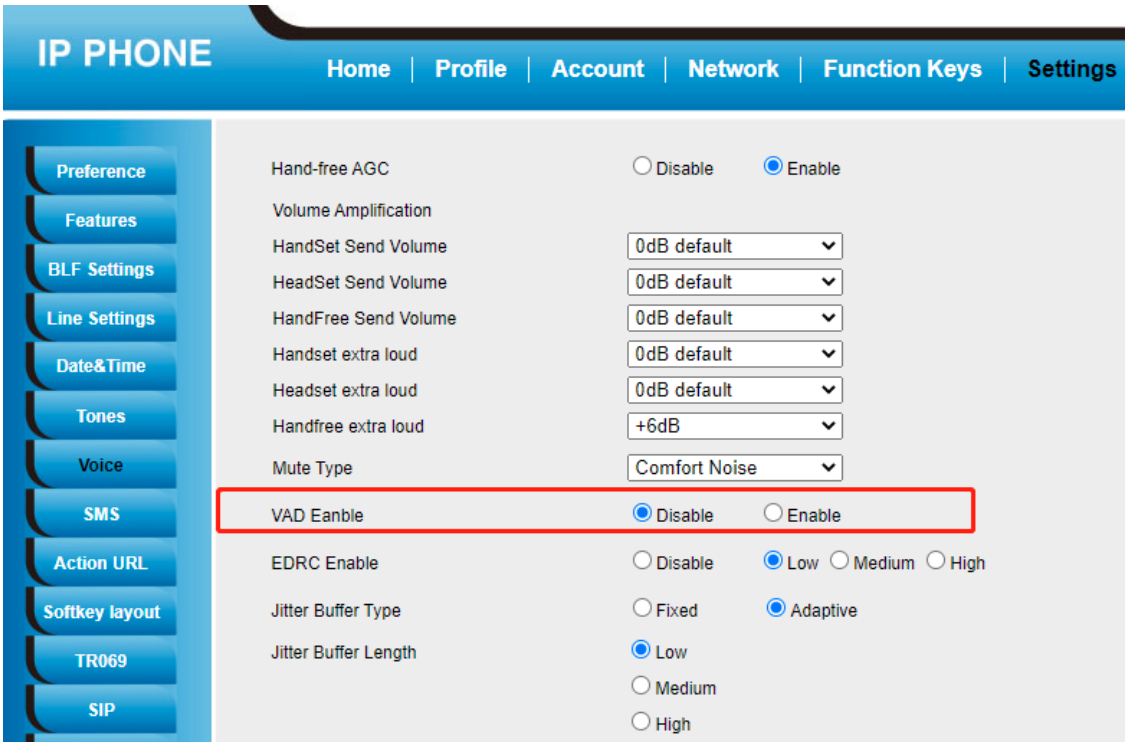
Voice activity detection (VAD), also known as speech activity detection or speech detection, is a technique used in speech processing in which the presence or absence of human speech is detected. The main uses of VAD are in speech coding and speech recognition. It can facilitate speech processing, and can also be used to deactivate some processes during non-speech section of an audio session: it can avoid unnecessary coding/transmission of silence packets in Voice over Internet Protocol applications, saving on computation and on network bandwidth.
See the reference: http://en.wikipedia.org/wiki/Voice_activity_detection

Procedure

VAD can be configured using the configuration file or web.

Configuration file		Configure VAD
Web Interface		Configure VAD via web interface

To configure VAD via web interface:



Jitter Buffer

In voice over IP (VoIP), a jitter buffer is a shared data area where voice packets can be collected, stored, and sent to the voice processor in evenly spaced intervals. Variations in packet arrival time, called jitter, can occur because of network congestion, timing drift, or route changes. The jitter buffer, which is located at the receiving end of the voice connection, intentionally delays the arriving packets so that the end user experiences a clear connection with very little sound distortion. There are two kinds of jitter buffers, static and dynamic. A static jitter buffer is hardware-based and is configured by the manufacturer. A dynamic jitter buffer is software-based and can be configured by the network administrator to adapt to changes in the network's delay.

See the reference: http://searchunifiedcommunications.techtarget.com/definition/jitter-buffer

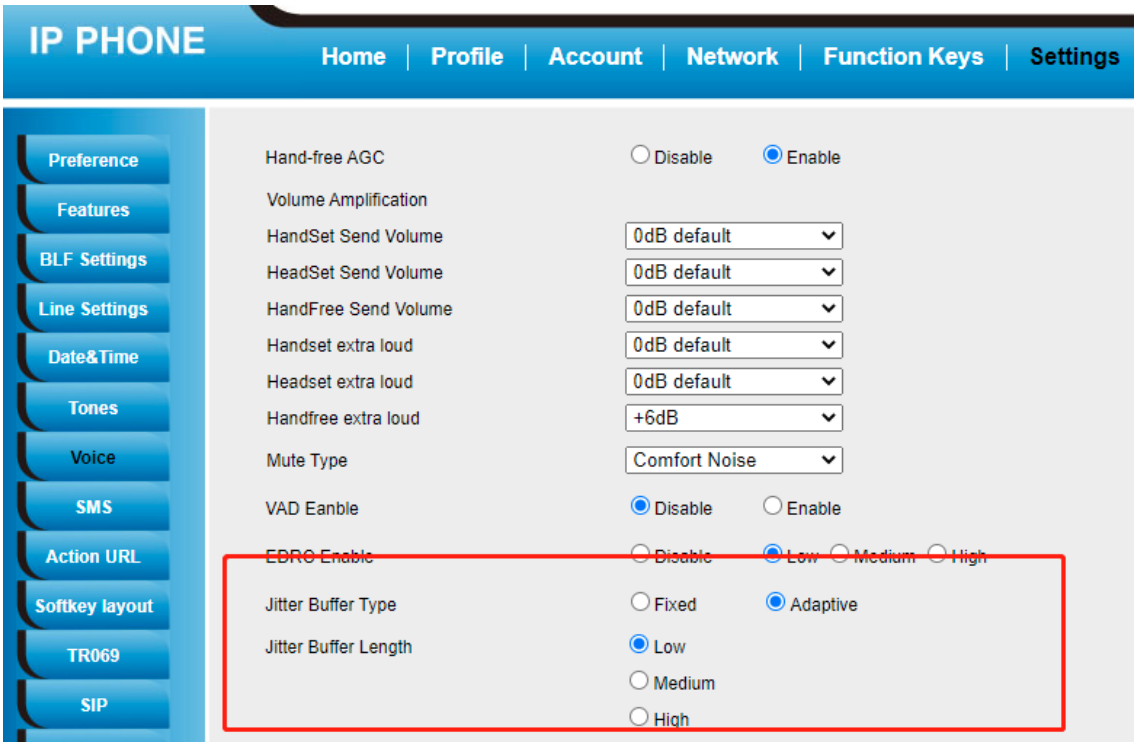
The Length of the jitter buffer for the adaptive jitter buffer added to packets can be also configured on IP phones.

Procedure

Jitter Buffer can be configured using the configuration file or web.

Configuration file		Configure Jitter Buffer Type and Jitter Buffer Length
Web Interface		Configure Jitter Buffer Type and Jitter Buffer Length

To configure Jitter Buffer Type and Jitter Buffer Length via web interface:



Security configuration

This chapter provides information for making configuration changes for the following security-related features:

- TLS
- SRTP
- How Encrypting Configuration Files

TLS

Transport layer security (TLS) and its predecessor, Secure Sockets layer(ssl), are cryptographic protocols designed to provide communication security over the Internet. SSL contain recording Layer (Record Layer)and transport Layer, recording Layer protocol determines the transport Layer data encapsulation format. Transport layer security protocols use x.509 certification, after using asymmetric encryption algorithm to authenticate the identity of the communicators, exchange symmetric key as the session key. The session key is used to encrypt the data exchanged by both sides of the communication, ensure the confidentiality of the communication between the two applications, make the communication between client and server applications will not be eaves dropped by attackers.

Since protocols can operate either with or without TLS (or SSL), it is necessary for the client to indicate to the server the setup of a TLS connection. There are two main ways of

achieving this. One option is to use a different port number for TLS connections (for example, port 443 for Https). The other is for the client to request that the server switches the connection to TLS using a protocol-specific mechanism (for example, STARTTLS for mail and news protocols).

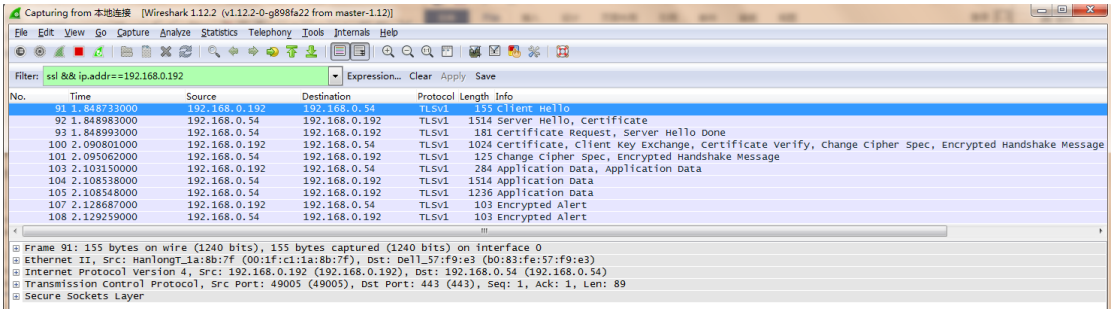
Once the client and server have agreed to use TLS, they negotiate a stateful connection by using a handshaking procedure. During this handshake, the client and server agree on various parameters used to establish the connection's security.

The handshake begins when a client connects to a TLS-enabled server requesting a secure connection and presents a list of supported cipher suites (ciphers and hash functions).

- The handshake begins when a client connects to a TLS-enable server requesting a secure connection and presents a list of supported cipher suite (ciphers and hash functions).
- From this list, the server picks a cipher and hash function that it also supports and notifies the client of the decision.
- The server sends back its identification in the form of a digital certificate. The certificate usually contains the server name, the trusted certificate authority authority (CA) and the server's public encryption key.
- The client may contact the server that issued the certificate (the trusted CA as above) and confirm the validity of the certificate before proceeding.
- In order to generate the session keys used for the secure connection, the client encrypts a random number with the server's public key and send the result to the server. Only the server should be able to decrypt it, with its private key.
- From the random number, both parties generate key material for encryption and decryption.

This concludes the handshakes and begins the secured connection, which is encrypted and decrypted with the key material until the connection closes. If any one of the above steps fails, the TLS handshake fails, and the connection is not created.

The following figure illustrates the TLS messages exchanged between the IP phone and TLS server to establish an encrypted communication channel:



Step 1: IP phone sends "Client Hello" message proposing SSL options contain its cipher list.

Step 2: Server responds with "server hello" message selecting the SSL options, sends its certificate and public key, require a client certificate and concludes its part of the negotiation with "Server Hello Done" message.

Step 3: Client verify the server certificate, sends its random num. and its certificate. Confirm the cipher used to communicate. Encrypt the message with server's public key.
Step 4: The server verify the client certificate, and sends the final cipher used to communicate. Encrypt the message with the master key.
Step 5: handshake done!

Certificates

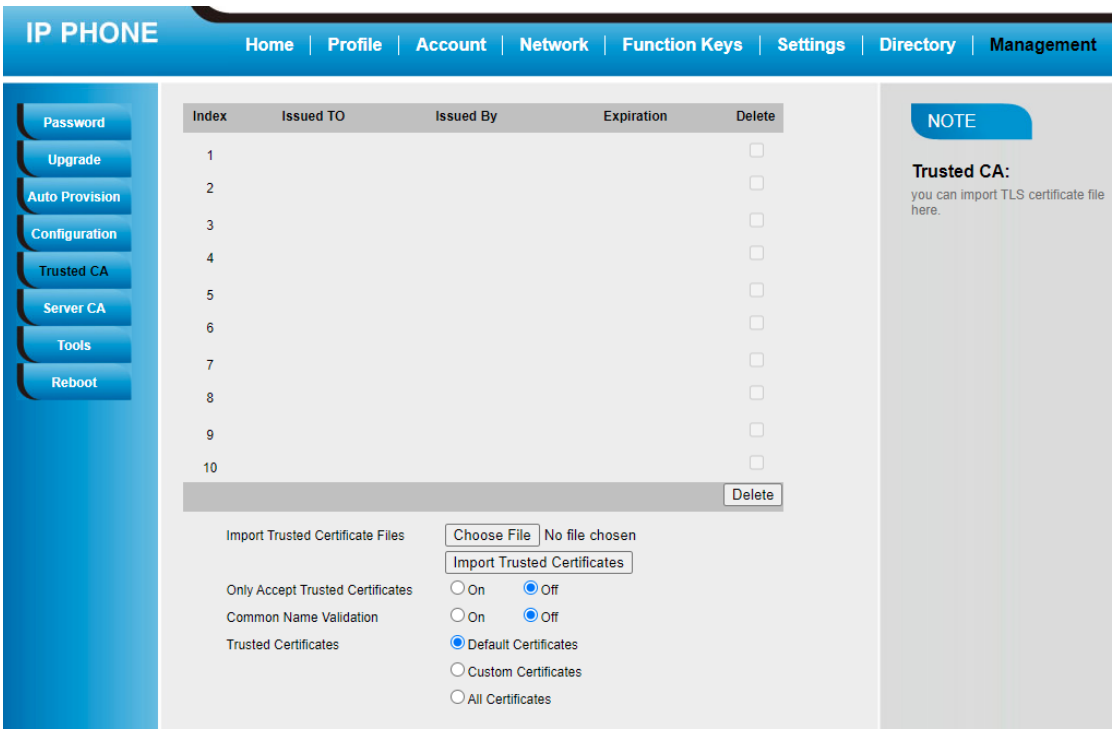
IP phone support TLS browser and TLS server. The TLS require server certificate and client certificate to perform the TLS handshake:

- **Trusted CA:** when the IP phone requests a TLS connection with the server, the phone will require the server's certificate and verify it based on the trusted certificate list; IP phone support 10 custom certificate upload. The format of the certificates must be *.pem, *.crt,*.cer or*.der.
- **Server Certificate:** In the handshake of IP phone with the server, it will require the client certificate from the IP phone. The client certificate is the server certificate on the webpage of the phone. It also is the server certificate when the IP phone works as a security server. You can only upload one server certificate to the IP phone. The old server certificate will be overridden by the new one. The format of the server certificate files must be *.pem, *.crt, *.cer and *.der.

The trusted certificates list and the server certificates list contain the default and custom certificates. You can specify the type of certificates the IP phone accept: default, custom, or all certificates.

To configure the trusted certificates feature via web user interface:

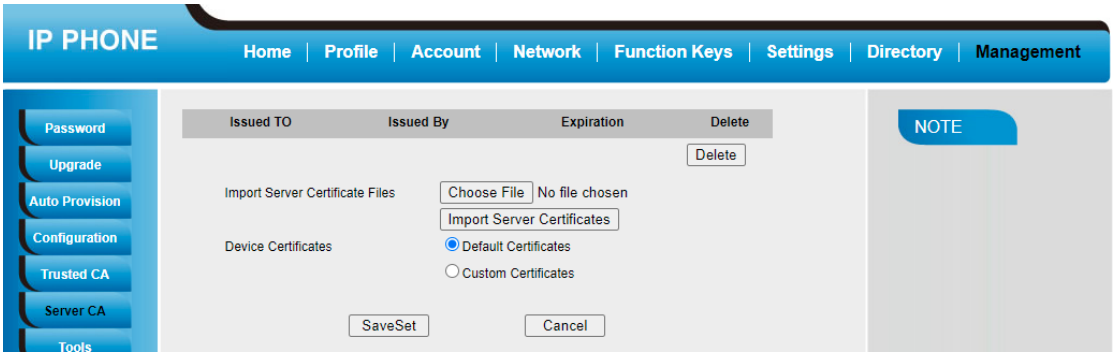
1. Click on Management→Trusted CA.
2. Choose browse, locate your certificate file, click on Import trusted certificate.



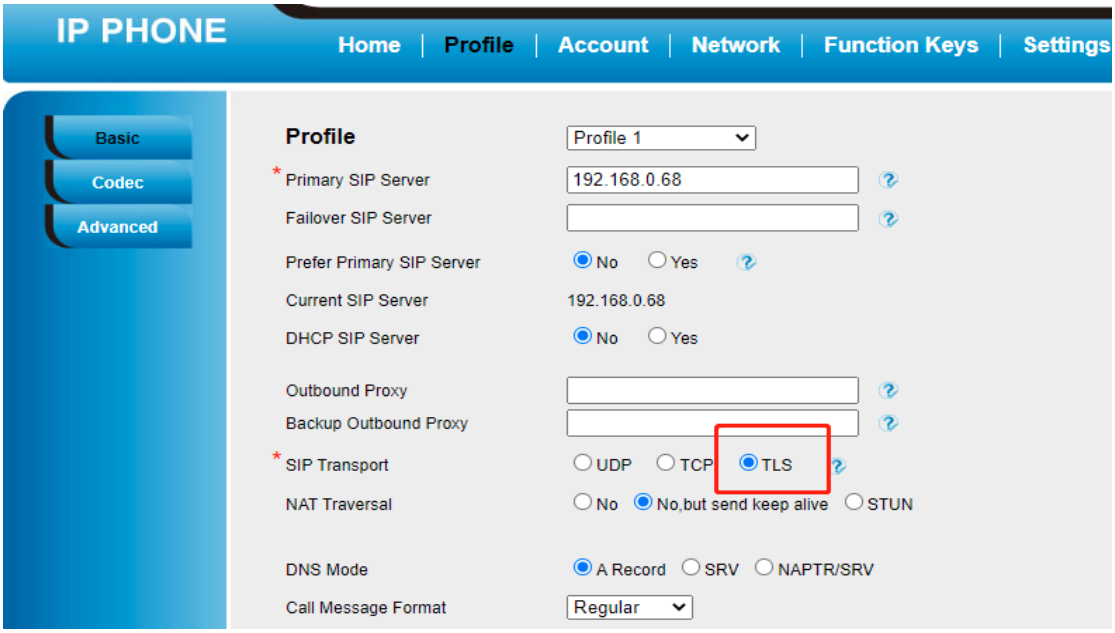
3. Click SaveSet to accept the change.

To configure the trusted certificates feature via web user interface:

1. Click on “Management→server CA” to browse your certificate(IP phone’s certificate)
2. Click on Import Server Certificates, and choose custom certificate.
3. Click SaveSet to accept the change.



To configure TLS via web user interface:



SRTP

The Secure Real-time Transport Protocol (or SRTP) encrypts RTP streams during VoIP phone calls to avoid interception and eavesdropping. When this feature is enabled on both phones, the encryption algorithm utilized for the session is negotiated between IP phones

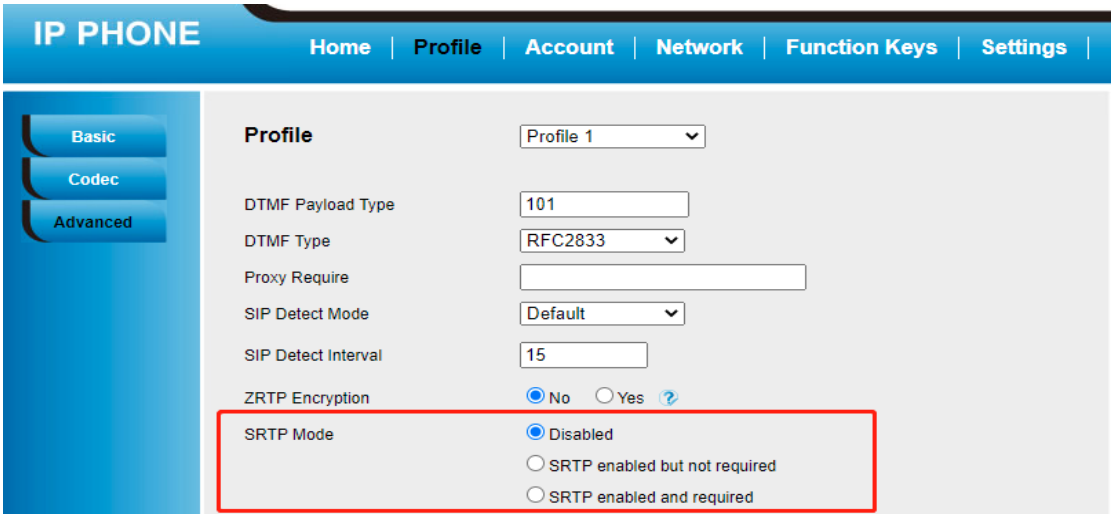
SRTP feature is configurable on a per-line basis. When SRTP is enabled on both IP phones, RTP streams will be encrypted, and a lock icon appears on the LCD screen of each IP phone after successful negotiation.

Procedure

SRTP can be configured using the configuration file or web.

Configuration file		Configure SRTP
Web Interface		Configure SRTP via web interface

To configure SRTP via web interface:

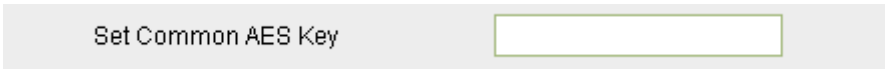


Encrypted configuration files

- Generate encrypted file one by one
- Batch generate encrypted files

Generate encrypted file one by one

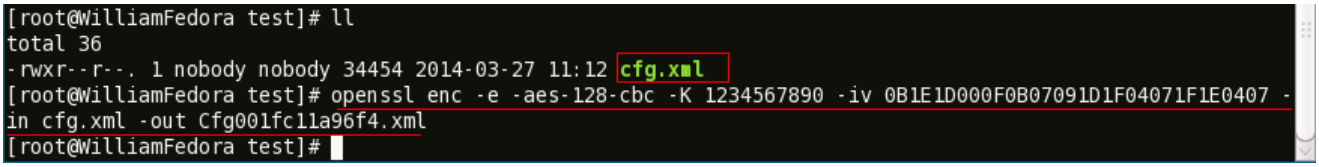
The XML configuration file could be encrypted in AES-128-CBC algorithm. The encryption password is defined in P8631 (Management->Auto Provision->Set Common AES Key) of the configuration file.



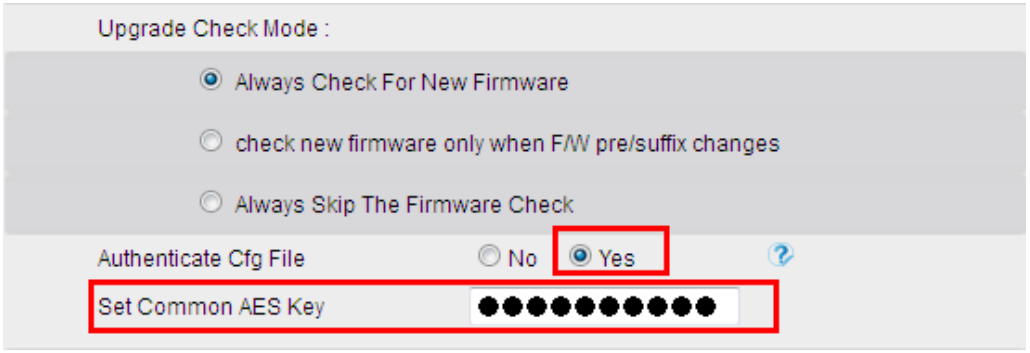
The Password length is from 1-16, and password must be[0-9,A-F]
THE SHARED IV:: 0B1E1D000F0B07091D1F04071F1E0407
The OpenSSL command-line to encrypt the file is as follows:
Openssl enc –e –aes-128-cbc –K <password> -iv
0B1E1D000F0B07091D1F04071F1E0407 –in cfg.xml –out cfgxxxxxxxxxxxx.xml
When the XML configuration file is encrypted in this method, Phone would only be able to decrypt and parse the file if user set the XML Config File Password in P8631 of binary configuration file or in the web UI.

Detailed steps:

Step 1: Login webpage, click Management→Configuration, download cfg.xml file, then run, input ”Openssl enc –e –aes-128-cbc –K <password> -iv 0B1E1D000F0B07091D1F04071F1E0407 –in cfg.xml –out Cfgxxxxxxxxxxx.xml”
(xxxxxxxxxxx is the *MAC* address)



THE SHARED IV: 0B1E1D000F0B07091D1F04071F1E0407
Step 2:Put the Cfgxxxxxxxxxxx.xml under upgrade server path
Step 3: You must set the AES Key: Management→Auto Provision: AES Key:



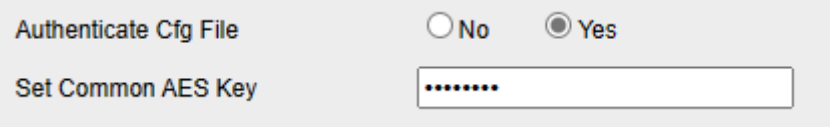
The common AES key can be configured using the configuration file and web interface.
Procedure

Common AES key can be configured using the configuration file or web.

Configuration file		Configure common AES key
Web Interface		Configure common AES key

To configure the Common AES key via web interface:

1. Click Management→Auto provision
2. Select YES in the Authenticate Cfg File field
3. Enter the AES Key in the Set common AES Key field
4. Click SaveSet to accept the change.



Note: This method is only able to generate an encrypted file at a time.

Firmware Upgrade

IP Phone upgrade firmware

IP Phone supports two method to upgrade firmware.

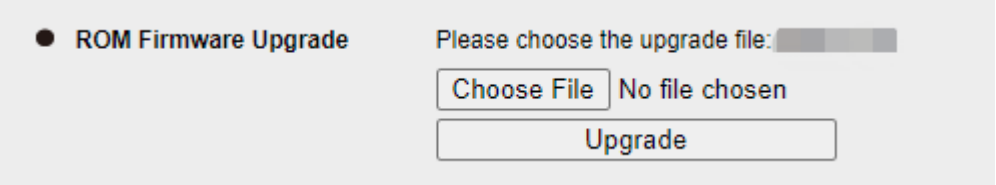
- To upgrade firmware by Manually
- To auto provision upgrade firmware by automatically

To upgrade firmware by Manually

To manually upgrade firmware via web interface, you need to store the firmware to the local system in advance

To configure the firmware manually via web interface:

1. Click Management → Upgrade
2. Click Brower or the blank.
3. Select the firmware and then click Upgrade button.



Note:

During upgrading firmware, you don't refresh the webpage and unplug the network and power cables.

To auto provision upgrade firmware by automatically

IP Phones support using the FTP, TFTP, HTTP and HTTPS protocols to download the Configuration files and upgrade the firmware automatically

IP Phone support obtaining the provisioning server address in the following ways:

- Plug and Play (PnP) Server
- DHCP Options
- Phone Flash(RPS)

These ways which can be configurable

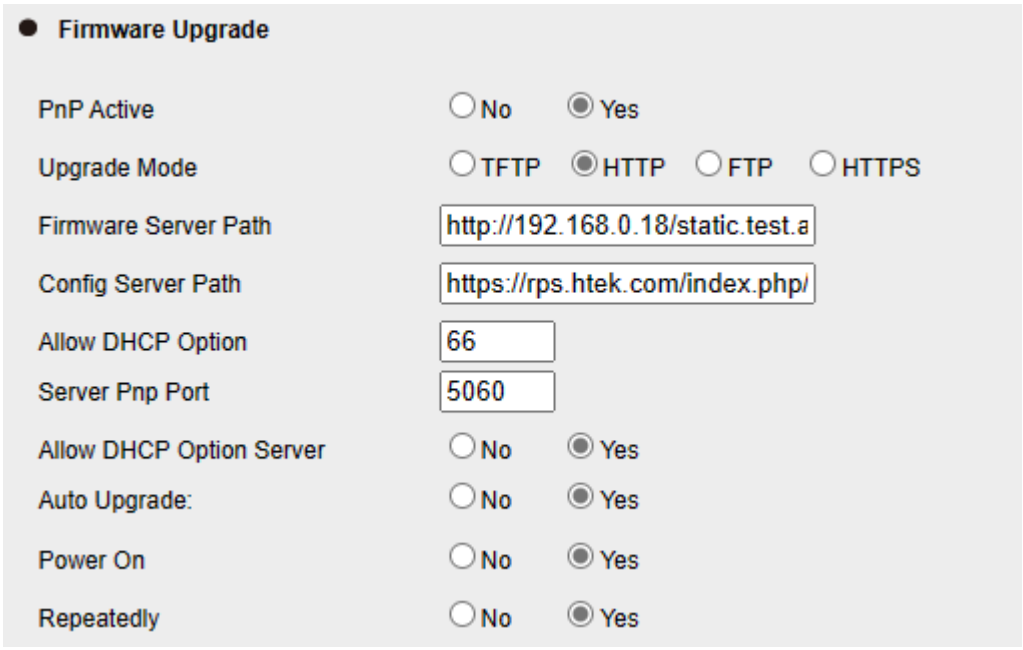
Procedure

Obtaining the provisioning server address can be configured using the configuration file or web.

Configuration file		Configure the way for the IP phone to check for configuration files. Specify the access URL of the firmware For more information, please refer to Firmware upgrade.
Web Interface		Configure the way for the IP phone to check for configuration files. Specify the access URL of the firmware via web

To configure the way for the IP phone to check for new configuration files via web interface:

1. Click on Management->Auto Provision
2. Select the desired way(PNP/DHCP Option/Phone flash)
3. Click SaveSet to save the configuration.
4. Click reboot to upgrade the firmware.



To upgrade firmware of the expansion via IP Phone

To Upgrade firmware via IP phone, and only available auto provisioning upgrade firmware.
When Upgrade EXP Firmware option selects “yes”, the phone can update the firmware of the expansion board.

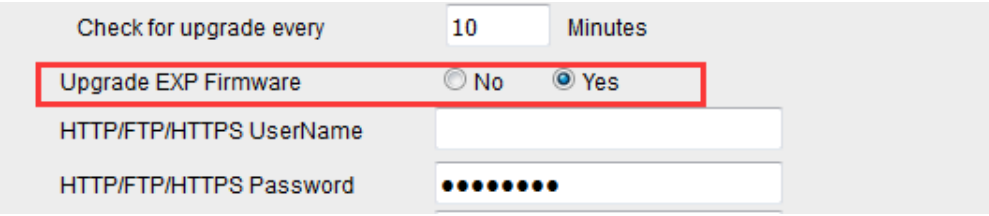
Procedure

Obtaining the provisioning server address can be configured using the configuration file or web

Configuration file		Configure Upgrade EXP Firmware. For more information, please refer to Firmware upgrade.
Web Interface		Configure the way for the IP phone to check for configuration files. Specify the access URL of the firmware via web

To configure the way for the IP phone to check for new configuration files via web interface:

1. Click on Management->Auto Provision.
2. Select the desired way(PNP/DHCP Option/Phone flash).
3. Select the Upgrade EXP Firmware option is “yes”.
4. Click SaveSet to save the configuration.
5. Click reboot to upgrade the firmware.



Resource files

When configuring particular features, you may need to upload resource files (e.g., Language, ring, .etc) to the IP phone. If the resource file is to be used for all IP phones of the same model, the resource file access URL is best specified in the factory000x.bin file. if you want to specify the desired model to use the resource file, the resource file access URL should be specified in the cfg000x.xml file.
However, if you want to specify the desired phone to use the resource file, the resource file access URL should be specified in the cfg*$mac* file. This chapter provides the detailed information on how to customize the following resource files and specify the access URL:

- Ring file
- Language file
- hlpres file
- exp_res file
- VPN file
- Trusted CA file
- Server CA file
- Screensaver file
- Wallpaper file
- 8021x CA cert URL
- 8021x DEV cert URL

Ring file

You can refer to <<how to make ringtone>>, the ring file must be ring4.bin,ring5.bin,ring6.bin,ring7.bin or ring8.bin

Language file

Language file contain web language and LCD language

hlpres file

This file contain the IP Phone's icon, wallpaper, screensaver and web logo and so on, for more information, please contact us.

exp_res file

This file only used on UC40 which contain the contact's photo, the photo's format is .jpg.

VPN file

The file format must be ". tar " format , and the file name is no limit, for example client. tar. The VPN client config file must be named as "vpn.cnf" in the package.

Trusted CA file

The format of the certificates must be *.pem, *.crt,*.cer or*.der.

Server CA file

The format of the server certificate files must be *.pem, *.crt, *.cer and *.der.

Screensaver file

The format of the screensaver must be .png.

Wallpaper file

The format of the screensaver must be .png.

Access URL of the resource file

Troubleshooting

This part provides guidance to help you solve problems you might encounter when using the IP Phones.

Troubleshooting Methods

IP Phones can provide feedback in a variety of forms such as log files, packets, status

indicators and so on, which can help an administrator more easily find the system problem and fix it.

The following are helpful for better understanding and resolving the working status of the IP phone.

- Port mirror
- Viewing SysLog Files
- Capturing Packets
- Enabling the Watch Dog Feature
- Getting Information from Status Indicators
- Analyzing Configuration Files

Port mirror

Port mirror is set to enable, the computer connected to the phone after the pc interface, wireshark grab the package, will catch all the information on the phone in order to analyze the problem.

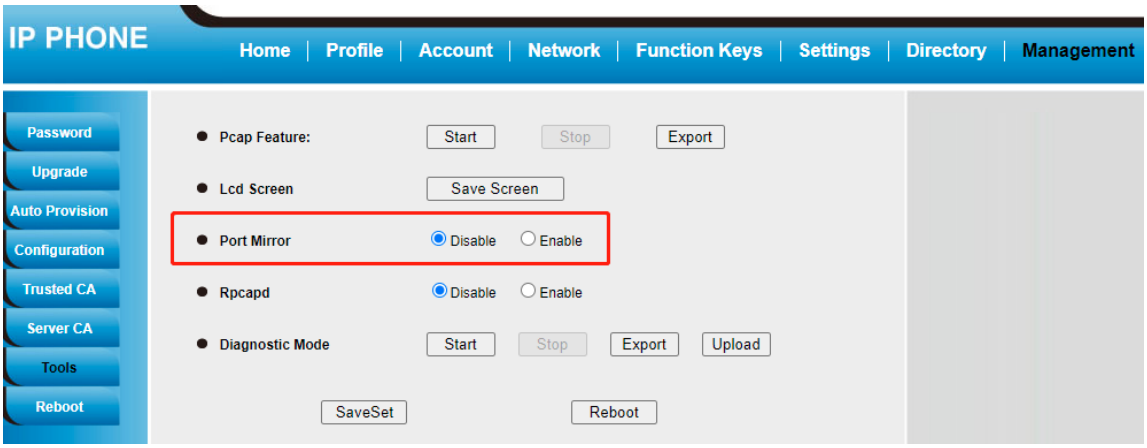
Procedure

Port mirror can be configured using the configuration file or web.

Configuration file	Cfgmac/cfgmac.xml	Configure Port mirror
Web Interface		Configure Port mirror via web interface

To configure Port mirror via web interface:

1. Click Management→Tools→Port mirror
2. Select the Disable/Enable in Port mirror field.
3. Click SaveSet to save the configuration.



Viewing Syslog Files

If your IP phone encounters some problems, commonly the log files are used. You can export the log files to a syslog server or the local system.

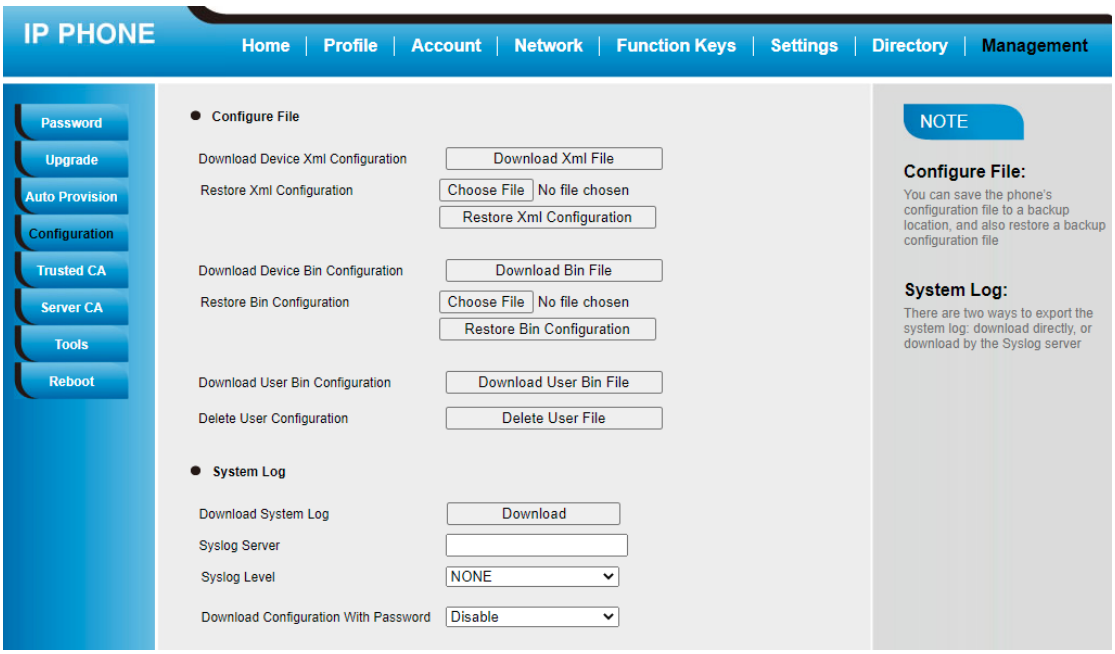
You can also specify the severity level of the log to be reported to a log file. The default system log level is NONE.

The Syslog Server and Syslog Level can be configurable via configuration file and web interface.

For more information on the system log setting configuration parameters, refer to System Log Setting on page

To configure the syslog server and syslog level and download the System Log via web interface:

1. Click Management→Configuration
2. Enter the Syslog server and select the syslog level in the Syslog server and syslog level fields.
3. Click SaveSet to save the configuration.
4. Click Download button to download the system Log

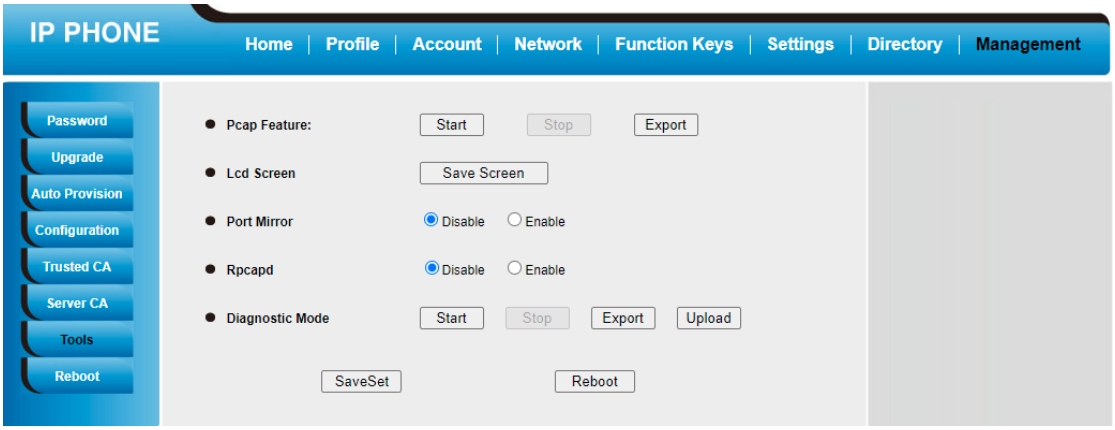


Capturing Packets

You can capture packets in two ways: capturing the packets via web or using the Ethernet software (e.g. Wireshark).You can analyze the packets captured for troubleshooting purpose.

To capture packets via web interface:

1. Click Management→Tools→ Pcap Feature
2. Click Start and then operation the phone
3. When finish the operation, click stop and then click Export.
4. Then you'll get the Pacp captures.



To capture packets using the Ethernet software:

Connect the Internet port of the IP phone and the PC to the same HUB, and then use Wireshark software to capture the signal traffic when you operation the phone.

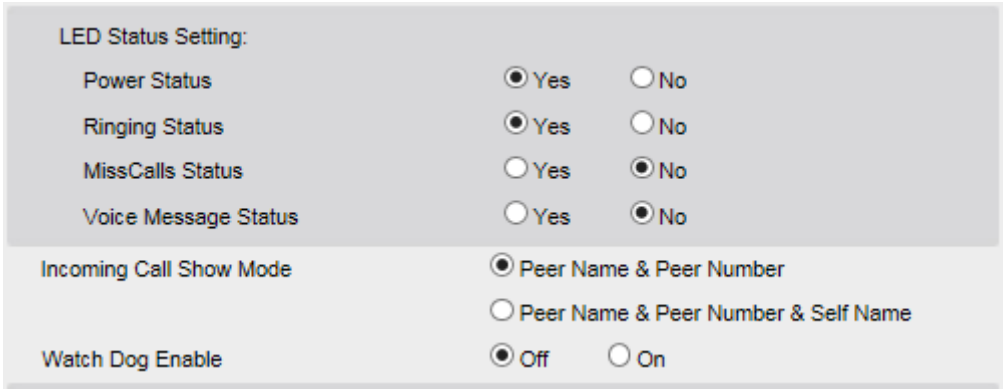
Enabling Watch Dog Feature

IP phones support a troubleshooting feature called Watch Dog, which helps you monitor IP phones status and provides the ability to get stack traces from the last time the IP phone failed. If watchdog is enabled, IP phones will automatically reboot when it detects a fatal failure.

This feature can be configured using the configuration files or via web interface.

To configure watchdog via web interface:

1. Click on Setting→Preference
2. Select the disable or enable the watch dog feature in the Watch dog enable field.
3. Cl ick SaveSet to save the configuration.



Getting Information from Status Indicators

Status indicators may consist of the power LED, line key indicator, headset key indicator, mute key indicator and the on-screen icon.

For example:

If a LINK failure of the IP phone is detected, the phone will display "Network Unavailable"

on the LCD.

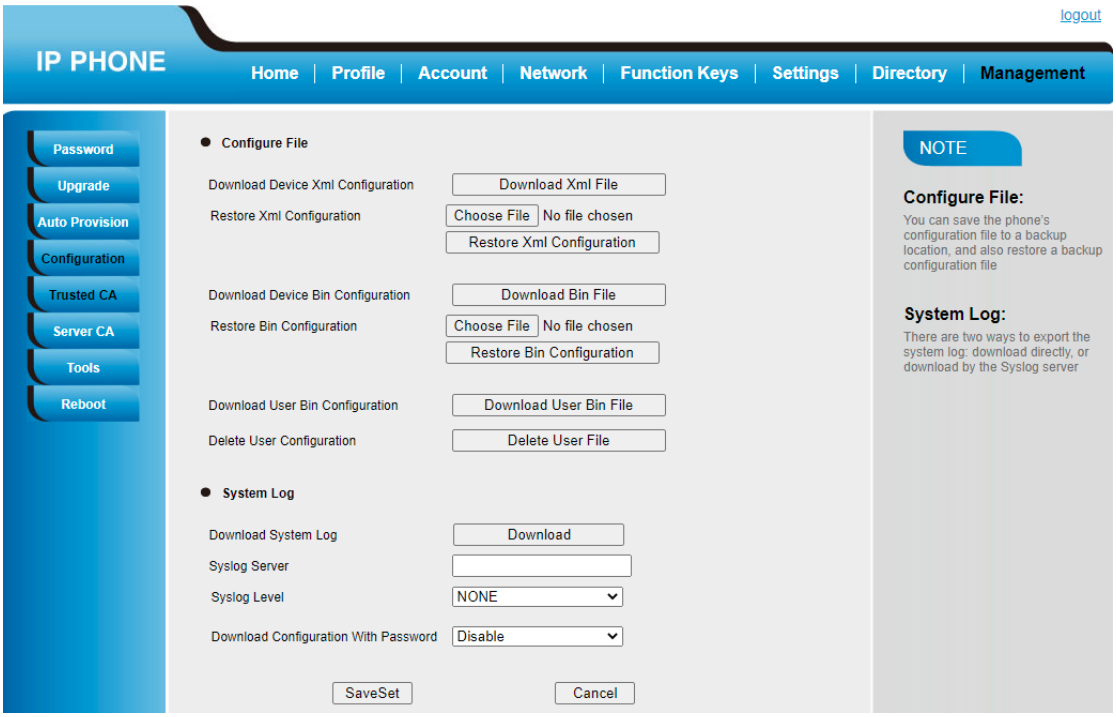
For more information on the icons, please refer to **Icon Preview on the page.**

Analyzing Configuration Files

When you set a wrong configuration which may have an impact on your phone use, So you need to download the configuration file to check the current configuration of IP Phone.

To download the configuration file via web interface:

1. Click Management → Configuration →Download Device Xml/Bin Configuration
2. Then you can get a file: cfg.xml or cfg.bin



Troubleshooting Solutions

This part provides guidance to help you solve problems you might encounter when deploying phones. If you require additional information or assistance with the deployment, please contact your system administrator.

Why does the phone fail to download configuration files?

- Ensure that auto provisioning feature is configured properly .
- Ensure that the provisioning server and network are reachable.
- Ensure that authentication credentials configured on the phone are correct.
- Ensure that configuration files exist on the provisioning server.

Why does the provisioning server return HTTP 404?

- Ensure that the provisioning server is properly set up.
- Ensure that the access URL is correct.
- Ensure that the requested files exist on the provisioning server.

Why does the phone display "Network Down"?

- Ensure that the Ethernet cable is plugged into the Internet port on the phone and the Ethernet cable is not loose.
- Ensure that the switch or hub in your network is operational.
- Ensure that the configurations of network are properly set in the configuration files.

Why is the permission denied when uploading files to the root directory of the FTP server?

- Ensure that the complete path to the root directory of the FTP server is authorized.
- Check security permissions on the root directory of the FTP server , if necessary, change the permissions.

Why doesn't the phone obtain the IP address from the DHCP server?

- Ensure that settings are correct on the DHCP server.
- Ensure that the phone is configured to obtain the IP address from the DHCP server .

Why doesn't the phone display the Language ,only display English on LCD and Web?

- Ensure that the name of the language are correct.
- Ensure that the network is available and the root directory is right for downloading.
- Ensure that the parameters are correctly set in the configuration files.
- Ensure that the language's Coding format is UTF-8.

Why doesn't the phone display the wallpaper or ScreenSaver or the weblogo of webpage?

- Ensure that the file format of the wallpaper, ScreenSaver and weblogo is *.jpg .
- Ensure that the size of the wallpaper, ScreenSaver and weblogo file is not larger than that the phone supports.
- Ensure that the name of the wallpaper, ScreenSaver and weblogo are correct.
- Ensure that the network is available and the root directory is right for downloading.
- Ensure that the wallpaper, ScreenSaver and weblogo files in the hlpres.tar file.

Why doesn't the phone update configurations?

- Ensure that the configuration files are different from the last ones.
- Ensure that the phone has downloaded the configuration files.
- Ensure that the parameters are correctly set in the configuration files.

Glossary

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

DHCP Option: can be configured for specific values and enabled for assignment and distribution to DHCP clients based on server, scope, class or client-specific levels.

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

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

HTTPS: Hypertext Transfer Protocol Secure (HTTPS) is a combination of Hypertext Transfer

Protocol (HTTP) with SSL/TLS protocol. It provides encrypted communication and secure identification of a network web server.
TFTP: Trivial File Transfer Protocol (TFTP) is a simple protocol to transfer files. It has been implemented on top of the User Datagram Protocol (UDP) using port number 69.
AES: Advanced Encryption Standard (AES) is a specification for the encryption of electronic data.
URL: A uniform resource locator or universal resource locator (URL) is a specific character string that constitutes a reference to an Internet resource.
URI: (Uniform Resource Identifier) a string used to identify an Internet resource name
PNP: (Plug and Play) a term used to describe the characteristic of a computer bus, or device specification, which facilitates the discovery of a hardware component in a system, without the need for physical device configuration, or user intervention in resolving resource conflicts.
ROM: all-in-one firmware format
RTP: (Real-time Transport Protocol) provides end-to-end service for real-time data
SRTP: to provide real-time transport protocol data encryption, message authentication, integrity, ensure and replay protection
UDP: (User Datagram Protocol) a protocol offers non-guaranteed datagram delivery.
TCP: (Transmission Control Protocol) a transport layer protocol used by applications that require guaranteed delivery.
TLS: (Transport Layer Security) protocol used for the two communications between applications to provide confidentiality and data integrity

Configuration parameter

This chapter describes configuration parameters in the configuration files for each feature. The configuration file are cfg*$mac* and factory000x.bin
You can set parameters in the configuration files to configure IP phones. The cfg*$mac* and factory000x.bin files are stored on the provisioning server. IP Phone will check the configuration file when restarting IP Phone. The cfg*$mac* file is used on the provisioning server for a specific IP phone of *mac* address. The factory000x.bin is used for all IP Phone of the same model. But the cfg*$mac* files will override the factory000x.bin files if the cfg*$mac* and factory000x.bin are stored on the provisioning server.

Internet Port

Parameter Example	<P20181>HT_IP_MODE</P20181> <NW_Basic_IPMode>HT_IP_MODE</NW_Basic_IPMode>
P Value Format	P20181

Description	It configures the IP addressing mode for the wired network. 0--IPv4_MODE, 1--IPv6_MODE, 2--IPv4Mixv6_MODE Example: <P20181>0</P20181> <NW_Basic_IPMode>0</NW_Basic_IPMode>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Network->Basic->IP Mode (IPv4/IPv6)
Phone UI	Settings->Advanced->Network->Wan Port->IP Port Mode
Parameter Example	<P24943>$Preference$</P24943> <NW_Basic_Preference>$Preference$</NW_Basic_Preference>
P Value Format	P24943
Description	It configures the priority between IPv4 and IPv6 , IP Mode must be IPv4&IPv6. 0-IPv6，1-IPv4 Example: <P24943>1</P24943> <NW_Basic_Preference>1</NW_Basic_Preference>
Permitted Values	List [0~ 1]
Default	1
Web UI	Network->Basic-> Priority (IPv4/IPv6)
Phone UI	Settings->Advanced->Network->WAN Port->Preference

IPv4 Setting

Parameter Example	<P8>$TT_H_WANTYPE$</P8> <IPv4_WanMode>$TT_H_WANTYPE$</IPv4_WanMode>
P Value Format	P8
Description	It configures the IP address mode for the phone. 0-DHCP，1-Static IP Address Example: <P8>0</P8> <IPv4_WanMode>0</IPv4_WanMode>
Permitted Values	List [0,1]
Default	0
Web UI	Network->Basic->IP Mode (IPv4/IPv6)
Phone UI	Settings->Advanced->Network->WAN Port->IP Port Mode
Parameter Example	<P146>$DHCPHostName$</P146> <IPv4_DHCPHostName>$DHCPHostName$</IPv4_DHCPHostName>
P Value Format	P146
Description	It configures DHCP host name for the phone. Example: <P146>TmpDHCPServer </P146> <IPv4_DHCPHostName>TmpDHCPServer</IPv4_DHCPHostName>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Network->Basic->IPv4 DHCP->DHCP HostName
Phone UI	Blank
Parameter Example	<P147>$DHCPDomain$</P147> <IPv4_DHCPDomain>$DHCPDomain$</IPv4_DHCPDomain>
P Value Format	P147

Description	It configures DHCP domain for the phone. Example: <P147>192.168.0.200</P147> <IPv4_DHCPDomain>192.168.0.200</IPv4_DHCPDomain>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Network->Basic->IPv4 DHCP->DHCP Domain
Phone UI	Blank
Parameter Example	<P148>$DHCPVendor$</P148> <IPv4_DHCPVendor>$DHCPVendor$</IPv4_DHCPVendor>
P Value Format	P148
Description	It configures DHCP Vendor Class ID for the phone. Example: <P148>MSFT 98</P148> <IPv4_DHCPVendor>MSFT 98</IPv4_DHCPVendor>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Network->Basic->IPv4 DHCP->DHCP Vendor Class Id
Phone UI	Blank
Parameter Example	<P149>$DHCPUserClass$</P149> <IPv4_DHCPUserClass>$DHCPUserClass$</IPv4_DHCPUserClass>
P Value Format	P149
Description	It configures DHCP User Class for the phone. Example: <P149>Create</P149> <IPv4_DHCPUserClass>Create</IPv4_DHCPUserClass>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Network->Basic->IPv4 DHCP->DHCP User Class
Phone UI	Blank
Parameter Example	<P9>$TT_H_WAN_IP_1ST_8BIT$</P9> <IPv4_IpAddrFirst8Bit>$TT_H_WAN_IP_1ST_8BIT$</IPv4_IpAddrFirst8Bit>
TXT Type Format	IPv4_IpAddrFirst8Bit，IPv4_IpAddrSecond8Bit，IPv4_IpAddrThird8Bit，IPv4_IpAddrLast8Bit
P Value Format	P9, P10, P11, P12
Description	It configures static ip address for the phone. from 0 to 255 Example: <P9>0</P9> <IPv4_IpAddrFirst8Bit>0</IPv4_IpAddrFirst8Bit>
Permitted Values	Int: 0-255
Default	0
Web UI	Network->Basic->IPv4 Static IP Address->IP Address
Phone UI	Settings->Advanced->Network->WAN Port->IPV4->Static mode->IP
Parameter Example	<P13>$TT_H_WAN_MASK_1ST_8BIT$</P13> <IPv4_SubMaskFirst8Bit>$TT_H_WAN_MASK_1ST_8BIT$</IPv4_SubMaskFirst8Bit>
TXT Type Format	IPv4_SubMaskFirst8Bit，IPv4_SubMaskSecond8Bit，IPv4_SubMaskThird8Bit，IPv4_SubMaskLast8Bit
P Value Format	P13, P14, P15, P16
Description	It configures static subnet mask for the phone. from 0 to 255 Example: <P13>0</P13> <IPv4_SubMaskFirst8Bit>0</IPv4_SubMaskFirst8Bit>
Permitted Values	Int: 0-255
Default	0
Web UI	Network->Basic->IPv4 Static IP Address->Subnet Mask
Phone UI	Settings->Advanced->Network->WAN Port->IPV4->Static mode->Netmask
Parameter Example	<P17>$TT_H_WAN_GATE_1ST_8BIT$</P17> <IPv4_GatewayFirst8Bit>$TT_H_WAN_GATE_1ST_8BIT$</IPv4_GatewayFirst8Bit>

TXT Type Format	IPv4_GatewayFirst8Bit，IPv4_GatewaySecond8Bit，IPv4_GatewayThird8Bit，IPv4_GatewayLast8Bit
P Value Format	P17, P18, P19, P20
Description	It configures static default gateway for the phone. from 0 to 255 Example: <P17>0</P17> <IPv4_GatewayLast8Bit>0</IPv4_GatewayLast8Bit>
Permitted Values	Int: 0-255
Default	0
Web UI	Network->Basic->IPv4 Static IP Address->Default Gateway
Phone UI	Settings->Advanced->Network->WAN Port->IPV4->Static mode->Gateway
Parameter Example	<P20163>$StaticDNS$</P20163> <NetWork_StaticDNS>$StaticDNS$</NetWork_StaticDNS>
P Value Format	P20163
Description	It configures whether to enable static DNS. 0-No,1-Yes Example: <P20163>0</P20163> <NetWork_StaticDNS>0</NetWork_StaticDNS>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	NetWork->Basic->IPv4 Setting->Static DNS
Phone UI	Blank
Parameter Example	<P21>$TT_H_PRIM_DNS_1ST_8BIT$</P21> <IPv4_PrimaryDnsFirst8Bit>$TT_H_PRIM_DNS_1ST_8BIT$</IPv4_PrimaryDnsFirst8Bit>
TXT Type Format	IPv4_PrimaryDnsFirst8Bit，IPv4_PrimaryDnsSecond8Bit，IPv4_PrimaryDnsThird8Bit，IPv4_PrimaryDnsLast8Bit
P Value Format	P21, P22, P23, P24
Description	It configures primary DNS for the phone. from 0 to 255 Example: <P21>213</P21> <IPv4_PrimaryDnsFirst8Bit>213</IPv4_PrimaryDnsFirst8Bit>
Permitted Values	Int: 0-255
Default	0；0；0；0
Web UI	Network->Basic->IPv4 Static DNS->Primary DNS
Phone UI	Settings->Advanced->Network->WAN Port->IPV4->Static mode->Pri.DNS
Parameter Example	<P25>$TT_H_SEC_DNS_1ST_8BIT$</P25> <IPv4_SecondaryDnsFirst8Bit>$TT_H_SEC_DNS_1ST_8BIT$</IPv4_SecondaryDnsFirst8Bit>
TXT Type Format	IPv4_SecondaryDnsFirst8Bit，IPv4_SecondaryDnsSecond8Bit，IPv4_SecondaryDnsThird8Bit，IPv4_SecondaryDnsLast8Bit
P Value Format	P25, P26, P27, P28
Description	It configures secondary DNS for phone. from 0 to 255 Example: <P25>213</P25> <IPv4_SecondaryDnsFirst8Bit>213</IPv4_SecondaryDnsFirst8Bit>
Permitted Values	Int: 0-255
Default	0；0；0；0
Web UI	Network->Basic->IPv4 Static DNS->Secondary DNS
Phone UI	Settings->Advanced->Network->WAN Port->IPV4->Static mode->Sec.DNS

IPv6 Setting

Parameter Example	<P20182>$HT_IPV6_WAN_MODE$</P20182> <IPv6_WanMode>$HT_IPV6_WAN_MODE$</IPv6_WanMode>
P Value Format	P20182
Description	To Control the IPv6 WAN Mode. 0--DHCP, 1--Static Example: <P20182>0</P20182> <IPv6_WanMode>0</IPv6_WanMode>
Permitted Values	List [0,1]
Default	0
Web UI	Network->Basic->IPv6 Setting
Phone UI	Settings->Advanced->Network->Wan Port->IPV6
Parameter Example	<P20183>$HT_IPV6_STATIC_ADDR$</P20183> <IPv6_StaticAddr>$HT_IPV6_STATIC_ADDR$</IPv6_StaticAddr>
P Value Format	P20183
Description	The static IPv6 Address. Example: <P20183>2001:0db8:3c4d:0015:0000:0000:1a2f:1a2b</P20183> <IPv6_StaticAddr>2001:0db8:3c4d:0015:0000:0000:1a2f:1a2b</IPv6_StaticAddr>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->Basic->IPv6 Setting->Static IP Address->IP Address
Phone UI	Settings->Advanced->Network->Wan Port->IPV6->Static mode->IP
Parameter Example	<P20186>$HT_IPV6_STATIC_PREFIX$</P20186> <IPv6_Prefix>$HT_IPV6_STATIC_PREFIX$</IPv6_Prefix>
P Value Format	P20186
Description	The Prefix of the static IPv6 Address. Example: <P20186>64</P20186> <IPv6_Prefix>64</IPv6_Prefix>
Permitted Values	Int: 0-128
Default	64
Web UI	Network->Basic->IPv6 Setting->Static IP Address->IPv6 Prefix (0~128)
Phone UI	Settings->Advanced->Network->Wan Port->IPV6->Static mode->IPV6 Prefix
Parameter Example	<P20187>$HT_IPV6_STATIC_GATEWAY$</P20187> <IPv6_GateWay>$HT_IPV6_STATIC_GATEWAY$</IPv6_GateWay>
P Value Format	P20187
Description	The GateWay of the static IPv6 Address. Example: <P20187>2001:da8:3000::1</P20187> <IPv6_GateWay>2001:da8:3000::1</IPv6_GateWay>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->Basic->IPv6 Setting->Static IP Address->Default Gateway
Phone UI	Settings->Advanced->Network->Wan Port->IPV6->Static mode->Gateway
Parameter Example	<P20188>$HT_IPV6_STATIC_DNS$</P20188> <IPv6_IPv6StaticDNS>$HT_IPV6_STATIC_DNS$</IPv6_IPv6StaticDNS>
P Value Format	P20188
Description	To control if use Static IPv6 DNS. 0-Disable, 1-Enable Example: <P20188>0</P20188> <IPv6_IPv6StaticDNS>0</IPv6_IPv6StaticDNS>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->Basic->IPv6 Setting->Static IP Address->IPv6 Static DNS
Phone UI	Blank

Parameter Example	<P20189>$HT_IPV6_STATIC_PRI_DNS$</P20189> <IPv6_IPv6PrimaryDNS>$HT_IPV6_STATIC_PRI_DNS$</IPv6_IPv6PrimaryDNS>
P Value Format	P20189
Description	The Primary static IPv6 DNS Server. Example: <P20189>2001:da8:202:10::37</P20189> <IPv6_IPv6PrimaryDNS>2001:da8:202:10::37</IPv6_IPv6PrimaryDNS>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->Basic->IPv6 Setting->Static IP Address->Primary DNS
Phone UI	Settings->Advanced->Network->Wan Port->IPV6->Static mode->Pri.DNS
Parameter Example	<P20190>$HT_IPV6_STATIC_PEC_DNS$</P20190> <IPv6_IPv6SecondDNS>$HT_IPV6_STATIC_PEC_DNS$</IPv6_IPv6SecondDNS>
P Value Format	P20190
Description	The Secondary static IPv6 DNS Server. Example: <P20190>2001:da8:202:10::37</P20190> <IPv6_IPv6SecondDNS>2001:da8:202:10::37</IPv6_IPv6SecondDNS>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->Basic->IPv6 Setting->Static IP Address->Secondary DNS
Phone UI	Settings->Advanced->Network->Wan Port->IPV6->Static mode->Sec.DNS

PC Port

Parameter Example	<P231>$TT_H_PCPORT_MODE$</P231> <NW_PcPort>$TT_H_PCPORT_MODE$</NW_PcPort>
P Value Format	P231
Description	It configures the connection mode of the PC port. 1-As Bridge，2-Connect to Expansion Module Example: <P231>1</P231> <NW_PcPort>1</NW_PcPort>
Permitted Values	List [1~ 2]
Default	1
Web UI	Network->PC Port->PC Port
Phone UI	Settings->Advanced->Network->PC Port

LLDP

Parameter Example	<P5438>$TT_H_LLDP_ENABLE$</P5438> <NW_LLDP_Active>$TT_H_LLDP_ENABLE$<NW_LLDP_Active>
P Value Format	P5438
Description	To Control if to enable the LLDP 0-Disable，1-Enable Example: <P5438>0</P5438> <NW_LLDP_Active>0<NW_LLDP_Active>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->Advanced->LLDP->Active
Phone UI	Settings->Advanced->Network->LLDP->Active
Parameter Example	<P5439>$TimeInterval$</P5439> <NW_LLDP_PackedInterval>$TimeInterval$<NW_LLDP_PackedInterval>

P Value Format	P5439
Description	It configures LLDP packed interval. Example: <P5439>120</P5439> <NW_LLDP_PackedInterval>120<NW_LLDP_PackedInterval>
Permitted Values	int: 15 ~ 3600
Default	120
Web UI	Network->Advanced->LLDP-> Packet Interval
Phone UI	Settings->Advanced->Network->LLDP-> Packet Interval

CDP

Parameter Example	<P23133>HT_CDP_ENABLE</P23133> <NW_CDP_Active>HT_CDP_ENABLE</NW_CDP_Active>
P Value Format	P23133
Description	To control if Enable the CDP Feature. 0-Disable, 1-Enable Example: <P23133>1</P23133> <NW_CDP_Active>1</NW_CDP_Active>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Network->Advanced->CDP->Active
Phone UI	Settings->Advanced->Network->CDP->Active
Parameter Example	<P23134>$TimeInterval$</P23134> <NW_CDP_PackedInterval>$TimeInterval$<NW_CDP_PackedInterval>
P Value Format	P23134
Description	It configures CDP packed interval. Example: <P23134>60</P23134> <NW_CDP_PackedInterval>60<NW_CDP_PackedInterval>
Permitted Values	int: 1 ~ 3600
Default	60
Web UI	Network->Advanced->CDP->Packet Interval
Phone UI	Settings->Advanced->Network->CDP->Packet Interval

VLAN for WAN Port

Parameter Example	<P24053>$WANVlan$</P24053> <NW_Adv_Vlan_WANVlan>$WANVlan$</NW_Adv_Vlan_WANVlan>
P Value Format	P24053
Description	Enable/Disable using VLAN for WAN port . 0-Disable,1-Enable Example: <P24053>0</P24053> <NW_Adv_Vlan_WANVlan>0</NW_Adv_Vlan_WANVlan>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->Advanced->VLAN->WAN Port->Active
Phone UI	Settings->Advanced->Network->Vlan->WAN Port

Parameter Example	<P51>$TT_H_WAN_VLAN_NUMBER$</P51> <NW_Adv_Layer2QoS_802_1Q_VLANTag>$TT_H_WAN_VLAN_NUMBER$ </NW_Adv_Layer2QoS_802_1Q_VLANTag>
P Value Format	P51
Description	To Control the value of the WAN VLAN. 0: Disable; 1-4096: Vlan tag value Example: <P51>0</P51> <NW_Adv_Layer2QoS_802_1Q_VLANTag>0</NW_Adv_Layer2QoS_802_1Q_VLANTag>
Permitted Values	Int: 0-4096
Default	0
Web UI	Network->Advanced->VLAN->WAN Port VID
Phone UI	Settings->Advanced->Network->VLAN->WAN Port VID
Parameter Example	<P87>$TT_H_WANPORT_PRIO$</P87> <NW_Adv_Layer2QoS_802_1pPriorityValue>$TT_H_WANPORT_PRIO$ <NW_Adv_Layer2QoS_802_1pPriorityValue>
P Value Format	P87
Description	To Control the value of the WAN VLAN Priority 0: Disable; 1-64: Vlan data priority Example: <P87>0</P87> <NW_Adv_Layer2QoS_802_1pPriorityValue>0<NW_Adv_Layer2QoS_802_1pPriorityValue>
Permitted Values	Int: 0-64
Default	0
Web UI	Network->Advanced->VLAN->WAN Port Priority
Phone UI	Settings->Advanced->Network->Vlan->WAN Port Priority

VLAN for PC port

Parameter Example	<P24054>$PCVlan$</P24054> <NW_Adv_Vlan_PCVlan>$PCVlan$</NW_Adv_Vlan_PCVlan>
P Value Format	P24054
Description	Enable/Disable using VLAN for PC port . 0-Disable,1-Enable Example: <P24054>0</P24054> <NW_Adv_Vlan_PCVlan>0</NW_Adv_Vlan_PCVlan>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->Advanced->VLAN->PC Port
Phone UI	Settings->Advanced ->Network->Vlan->PC Port
Parameter Example	<P229>$TT_H_PCPORT_VLAN_NUMBER$</P229> <NW_Adv_DataVLANTag>$TT_H_PCPORT_VLAN_NUMBER$</NW_Adv_DataVLANTag>
P Value Format	P229
Description	To Control the value of the WAN VLAN. 0 : Disable，1-4096 : Vlan tag value Example: <P229>0</P229> <NW_Adv_DataVLANTag>0</NW_Adv_DataVLANTag>
Permitted Values	Int: 0-4096
Default	0
Web UI	Network->Advanced->VLAN->PC Port VID
Phone UI	Settings->Advanced->Network->Vlan->PC Port VID

DHCP VLAN

Parameter Example	<P8684>$DhcpVlan$</P8684> <NW_Adv_DhcpVlan>$DhcpVlan$</NW_Adv_DhcpVlan>
P Value Format	P8684
Description	It decides whether to enable DHCP VLAN(DHCP option 132). 0-Disable，1-Enable Example: <P8684>1</P8684> <NW_Adv_DhcpVlan>1</NW_Adv_DhcpVlan>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Network->Advanced->VLAN->DHCP VLAN Active
Phone UI	Settings->Advanced->Network->DHCP Vlan->DHCP Vlan

Voice and SIP Qos

Parameter Example	<P23130>HT_RTP_QOS</P23130> <NW_Adv_RTP_QOS>HT_RTP_QOS</NW_Adv_RTP_QOS>
P Value Format	P23130
Description	The RTP QoS value. Example: <P23130>46</P23130> <NW_Adv_RTP_QOS>46</NW_Adv_RTP_QOS>
Permitted Values	string;maxlength: 0-64
Default	46
Web UI	Network->Advanced->VLAN->Voice Qos
Phone UI	Settings->Advanced->Network->Vlan->Voice Qos
Parameter Example	<P23129>HT_SIP_QOS</P23129> <NW_Adv_SIP_QOS>HT_SIP_QOS</NW_Adv_SIP_QOS>
P Value Format	P23129
Description	The SIP QoS value. Example: <P23129>26</P23129> <NW_Adv_SIP_QOS>26</NW_Adv_SIP_QOS>
Permitted Values	string;maxlength: 0-64
Default	26
Web UI	Network->Advanced->VLAN->SIP Qos
Phone UI	Settings->Advanced->Network->Vlan->SIP Qos

VPN

Parameter Example	<P8629>$TT_H_VPN_ENABLE$</P8629> <NW_VPN_Active>$TT_H_VPN_ENABLE$</NW_VPN_Active>
P Value Format	P8629
Description	It decides whether to use the VPN. 0-No，1-Yes Example: <P8629>0</P8629> <NW_VPN_Active>0</NW_VPN_Active>

Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->Advanced->VPN->Active
Phone UI	Settings->Advanced->Network->VPN->VPN Active
Parameter Example	<P8775>$ConnectMode$</P8775> <ProfileX_ConnectMode>$ConnectMode$</ProfileX_ConnectMode>
TXT Type Format	Profile1_ConnectMode, Profile2_ConnectMode, Profile3_ConnectMode...
P Value Format	P8775, P8776, P8777, P8778, P20476, P20477
Description	When you connect VPN,the option will appear on the web page.It determines the connection model of the account. 0-VPN, 1-Local Example: <P8775>0</P8775> <Profile1_ConnectMode>1</Profile1_ConnectMode> X range from: 1 ~ 6
Permitted Values	List [0,1]
Default	0
Web UI	Blank
Phone UI	Blank

Web Server

Parameter Example	<P901>$Web_HTTPPort$</P901> <NW_Adv_HTTPPort>$Web_HTTPPort$</NW_Adv_HTTPPort>
P Value Format	P901
Description	It configures the HTTP port. Example: <P901>80</P901> <NW_Adv_HTTPPort>80</NW_Adv_HTTPPort>
Permitted Values	string;maxlength: 0-5
Default	80
Web UI	Network->Advanced->Web Server->HTTP Port
Phone UI	Blank
Parameter Example	<P8724>$Web_HTTPSPort$</P8724> <NW_Adv_HTTPSPort>$Web_HTTPSPort$</NW_Adv_HTTPSPort>
P Value Format	P8724
Description	It configures the HTTPS port. Example: <P8724>443</P8724> <NW_Adv_HTTPSPort>443</NW_Adv_HTTPSPort>
Permitted Values	string;maxlength: 0-6
Default	443
Web UI	Network->Advanced->Web Server->HTTPS Port
Phone UI	Blank
Parameter Example	<P8725>Web_Type</P8725> <NW_Adv_Type>Web_Type</NW_Adv_Type>
P Value Format	P8725

Description	It configures the open transport protocol type. 0-Disable，1-HTTP&HTTPS，2-HTTP Only，3-HTTPS Only Example: <P8725>1</P8725> <NW_Adv_Type>1</NW_Adv_Type>
Permitted Values	List [0 ~ 3]
Default	1
Web UI	Network->Advanced->Web Server->Type
Phone UI	Settings->Advanced->Network->Webserver->Type

802.1X

Parameter Example	<P8626>$TT_H_802_MODE$</P8626> <NW_Adv_Mode_802_1X>$TT_H_802_MODE$</NW_Adv_Mode_802_1X>
P Value Format	P8626
Description	To Control the 802.1X Work Mode. 0-Disable ,1-EAP-MD5 ,2-EAP-TLS ,3-EAP-PEAP/MSCHAPV2, 4-EAP-TTLS/EAP-MSCHAPV2, 5-EAP-PEAP/GTC, 6-EAP-TTLS/EAP-GTC ,7-EAP-FAST Example: <P8626>0</P8626> <NW_Adv_Mode_802_1X>0</NW_Adv_Mode_802_1X>
Permitted Values	List [0 ~ 7]
Default	0
Web UI	Network->Advanced->802.1X->802.1X Mode
Phone UI	Settings->Advanced->Network->802.1x->802.1xMode
Parameter Example	<P8627>$TT_H_802_ID$</P8627> <NW_Adv_Identity>$TT_H_802_ID$</NW_Adv_Identity>
P Value Format	P8627
Description	It configures 802.1X identity. Example: <P8627>admin</P8627> <NW_Adv_Identity>admin</NW_Adv_Identity>
Permitted Values	string;maxlength: 0-31
Default	Blank
Web UI	Network->Advanced->802.1X->Identity
Phone UI	Settings->Advanced->Network->802.1x->802.1xMode(EAP-MD5)
Parameter Example	<P8628>$TT_H_802_PASSWD$</P8628> <NW_Adv_MD5Password>$TT_H_802_PASSWD$</NW_Adv_MD5Password>
P Value Format	P8628
Description	It configures MD5 Password. Example: <P8628>admin</P8628> <NW_Adv_MD5Password>admin</NW_Adv_MD5Password>
Permitted Values	string;maxlength: 0-31
Default	Blank
Web UI	Network->Advanced->802.1X->Md5 Password
Phone UI	Settings->Advanced->Network->802.1x->802.1xMode(EAP-TLS)->MD5 Password

Local RTP Port

Parameter Example	<P39>$MinRtpPort$</P39> <MinRtpPort>$MinRtpPort$</MinRtpPort>
P Value Format	P39
Description	It configures the Min RTP Port of the local RTP Port. Example: <P39>12100</P39> <MinRtpPort>12100</MinRtpPort>
Permitted Values	string;maxlength: 0-5
Default	12100
Web UI	Network->Advanced->Local RTP Port->MinRtpPort
Phone UI	Blank

VQ RTCP Report

Parameter Example	<P20119>$RTCPReportFlag$</P20119> <RTCPReportFlag>$RTCPReportFlag$</RTCPReportFlag>
P Value Format	P20119
Description	If Enabled, the phone will analyze RTP Info statistics, then report to Collector if needed. 0-Off,1-On Example: <P20119>0</P20119> <RTCPReportFlag>0</RTCPReportFlag>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	NetWork->Advanced->VQ RTCP Report->RTCP Support
Phone UI	Blank
Parameter Example	<P20120>$RTCPReportCollector$</P20120> <RTCPReportCollector>$RTCPReportCollector$</RTCPReportCollector>
P Value Format	P20120
Description	The SIP address of the RTCP Collector, e.g.: sip:account@sample.com:8765. Example: <P20120>sip:account@sample.com:8765</P20120> <RTCPReportCollector>sip:account@sample.com:8765</RTCPReportCollector>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	NetWork->Advanced->VQ RTCP Report->Voice Quality Report Collector
Phone UI	Blank
Parameter Example	<P20121>$RTCPReportFormat$</P20121> <RTCPReportFormat>$RTCPReportFormat$</RTCPReportFormat>
P Value Format	P20121
Description	The Format of Reported PUBLISH Info. Example: <P20121>RealMedia</P20121> <RTCPReportFormat>RealMedia</RTCPReportFormat>
Permitted Values	string:0-255
Default	Blank
Web UI	NetWork->Advanced->VQ RTCP Report->RTCP-XR Report Format
Phone UI	Blank

Others

Parameter Example	<P76>$STUN_Server$</P76> <NW_Adv_STUN_Server>$STUN_Server$</NW_Adv_STUN_Server>

P Value Format	P76
Description	t configures STUN Server.(URI or IP:port) Example: <P76>192.168.0.200:101</P76> <NW_Adv_STUN_Server>192.168.0.200:101</NW_Adv_STUN_Server>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->Advanced->Others->STUN Server
Phone UI	Blank
Parameter Example	<P84>$KeepAtiveInterval$</P84> <NW_Adv_KeepAtiveInterval>$KeepAtiveInterval$</NW_Adv_KeepAtiveInterval>
P Value Format	P84
Description	It configures keep-alive interval. Example: <P84>20</P84> <NW_Adv_KeepAtiveInterval>20</NW_Adv_KeepAtiveInterval>
Permitted Values	string;maxlength: 0-3
Default	20
Web UI	Network->Advanced->Others->Keep-alive Interval
Phone UI	Blank
Parameter Example	<P189>$ReplyToICMP$</P189> <NW_Adv_ReplyToICMP>$ReplyToICMP$</NW_Adv_ReplyToICMP>
P Value Format	P189
Description	If Yes,the phone can reply to ICMP. 0-No，1-Yes Example: <P189>1</P189> <NW_Adv_ReplyToICMP>1</NW_Adv_ReplyToICMP>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Network->Advanced->Others->Reply To ICMP
Phone UI	Blank
Parameter Example	<P190>$HttpAccess$</P190> <NW_Adv_HttpAccess>$HttpAccess$</NW_Adv_HttpAccess>
P Value Format	P190
Description	If yes,the phone enable WAN http access. 0-No，1-Yes Example: <P190>1</P190> <NW_Adv_HttpAccess>1</NW_Adv_HttpAccess>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Network->Advanced->Others->WAN Http Access
Phone UI	Settings->Advanced->Network->WAN Port->WAN HTTP Access
Parameter Example	<P20993>HT_WAN_SPEED</P20993> <NW_Adv_WanSpeed>HT_WAN_SPEED</NW_Adv_WanSpeed>
P Value Format	P20993
Description	To select the Wan link Speed. 0-auto negotiate, 1-10M half duplex, 2-10M full duplex, 3-100M half duplex, 4-100M full duplex, 5-1000M full duplex Example: <P20993>0</P20993> <NW_Adv_WanSpeed>0</NW_Adv_WanSpeed>
Permitted Values	List [0 ~ 5]
Default	0
Web UI	Network->Advanced->Port Link->WAN Port link speed
Phone UI	Blank
Parameter Example	<P20991>$HT_LAN_LINK_MODE$</P20991> <NW_Adv_LanLinkMode>$HT_LAN_LINK_MODE$</NW_Adv_LanLinkMode>
P Value Format	P20991

Description	To select the Lan link mode. 0-Enable Auto, 1-Disable Auto Example: <P20991>0</P20991> <NW_Adv_LanLinkMode>1</NW_Adv_LanLinkMode>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->Advanced->Port Link->PC Port Active
Phone UI	Blank
Parameter Example	<P24943>$Preference$</P24943> <NW_Basic_Preference>$Preference$</NW_Basic_Preference>
P Value Format	P24943
Description	It configures the priority between IPv4 and IPv6 , IP Mode must be IPv4&IPv6. 0-IPv6，1-IPv4 Example: <P24943>1</P24943> <NW_Basic_Preference>1</NW_Basic_Preference>
Permitted Values	List [0~ 1]
Default	1
Web UI	Network->Basic-> Priority (IPv4/IPv6)
Phone UI	Settings->Advanced->Network->WAN Port->IP Port Mode

PC Port

Parameter Example	<P231>$TT_H_PCPORT_MODE$</P231> <NW_PcPort>$TT_H_PCPORT_MODE$</NW_PcPort>
P Value Format	P231
Description	It configures the connection mode of the PC port. 1-As Bridge，2-Connect to Expansion Module Example: <P231>1</P231> <NW_PcPort>1</NW_PcPort>
Permitted Values	List [1~ 2]
Default	1
Web UI	Network->PC Port->PC Port
Phone UI	Settings->Advanced->Network->PC Port

Wi-Fi

Parameter Example	<P23372>HT_WIFI_ACTIVE</P23372> <NW_WIFIActive>HT_WIFI_ACTIVE</NW_WIFIActive>
P Value Format	P23372
Description	To control if Enable the WIFI. 0-Disable,1-Enable Example: <P23372>0</P23372> <NW_WIFIActive>0</NW_WIFIActive>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Network->WiFi->WiFi Setting->WiFi Switch
Phone UI	Settings->Basic Setting->Wi-Fi->Use Wi-Fi

Parameter Example	<P23394>HT_WIFI_MODE</P23394> <NW_WIFIMode>HT_WIFI_MODE</NW_WIFIMode>
P Value Format	P23394
Description	The Working Mode of WIFI. 0-scan mode, 1-provision mode Example: <P23394>0</P23394> <NW_WIFIMode>1</NW_WIFIMode>
Permitted Values	List [0,1]
Default	0
Web UI	Network->WiFi->WiFi Setting->WiFi Mode
Phone UI	Blank
Parameter Example	<P23378>HT_WIFI_SSID</P23378> <NW_WIFISSID>HT_WIFI_SSID</NW_WIFISSID>
P Value Format	P23378
Description	The value of SSID using for Provision Mode Example: <P23378>wifi</P23378> <NW_WIFISSID>wifi</NW_WIFISSID>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->WiFi->Provision Mode->SSID
Phone UI	Blank
Parameter Example	<P23379>$HT_WIFI_PASSWORD$</P23379> <NW_WIFIWPAShareKey>$HT_WIFI_PASSWORD$</NW_WIFIWPAShareKey>
P Value Format	P23379
Description	The value of Password using for Provision Mode Example: <P23379>222222</P23379> <NW_WIFIWPAShareKey>222222</NW_WIFIWPAShareKey>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Network->WiFi->Provision Mode->Password
Phone UI	Settings->Basic Setting->Wi-Fi->Use Wi-Fi->Password
Parameter Example	<P23403>$WifiSignalStrong$</P23403> <WifiSignalStrong>$WifiSignalStrong$</WifiSignalStrong>
P Value Format	P23403
Description	Shows the connected WiFi signal is strong. Example: <P23403>85</P23403> <WifiSignalStrong>85</WifiSignalStrong>
Permitted Values	Number: 0 ~ 100
Default	85
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23404>$WifiSignalNormal$</P23404> <WifiSignalNormal>$WifiSignalNormal$</WifiSignalNormal>
P Value Format	P23404
Description	Shows the connected WiFi signal is normal. Example: <P23404>70</P23404> <WifiSignalNormal>70</WifiSignalNormal>
Permitted Values	Number: 0 ~ 100
Default	70
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23405>$WifiSignalWeak$</P23405> <WifiSignalWeak>$WifiSignalWeak$</WifiSignalWeak>
P Value Format	P23405

Description	Shows the connected WiFi signal is weak. Example: <P23405>50</P23405> <WifiSignalWeak>50</WifiSignalWeak>
Permitted Values	Number: 0 ~ 100
Default	50
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23380>$HT_WIFI_SECURITY_MODE$</P23380> <NW_WIFISecurityMode>$HT_WIFI_SECURITY_MODE$</NW_WIFISecurityMode>
P Value Format	P23380
Description	The Security Mode of WIFI. 0-NONE, 1-WEP, 2-WPA-PSK, 3-WPA2-PSK Example: <P23380>0</P23380> <NW_WIFISecurityMode>0</NW_WIFISecurityMode>
Permitted Values	List [0 ~ 3]
Default	0
Web UI	Blank
Phone UI	Blank

Dial plan

Parameter Example	<P4200>$DialPlan$</P4200> <AccountX_DialPlan>$DialPlan$</AccountX_DialPlan>
TXT Type Format	Account1_DialPlan, Account2_DialPlan, Account3_DialPlan …
P Value Format	P4200, P4201, P4202, P4203, P4204, P4205, P24180, P24181, P24182, P24183, P24184, P24185, P24186, P24187, P24188, P24189
Description	It configures the dial plan for the phone. Example: <P4200>{[x*]+}</P4200> <Account1_DialPlan>{[x*]+}</Account1_DialPlan> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-192
Default	{[x*]+}
Web UI	Account->Basic->Dial Plan
Phone UI	Blank
Parameter Example	<P85>$NoKeyEntryTimeout$</P85> <Preference_NoKeyEntryTimeout>$NoKeyEntryTimeout$</Preference_NoKeyEntryTimeout>
P Value Format	P85
Description	When the phone is pressed, the phone will exit after this time.(In seconds; 0 means never timeout) from 0 to 29，default is 0 Example: <P85>0</P85> <Preference_NoKeyEntryTimeout>0</Preference_NoKeyEntryTimeout>
Permitted Values	Int: 0-29
Default	0
Web UI	Setting->Preference->NO Key Entry Timeout(seconds)
Phone UI	Blank
Parameter Example	<P1085>$TT_H_DIALNOW_DELAY$</P1085> <Preference_DialNow_TimeOut>$TT_H_DIALNOW_DELAY$</Preference_DialNow_TimeOut>
P Value Format	P1085

Description	To Control The Time of Dial Plan Matched delay to dial Example: <P1085>4</P1085> <Preference_DialNow_TimeOut>4</Preference_DialNow_TimeOut>
Permitted Values	Int: 0 ~ 99
Default	4
Web UI	Setting->Preference-> Dial-now Time-out (seconds)
Phone UI	Blank

SpeedDial Detect Digitmap

Parameter Example	<P20982>$SpeedDialDetectDigitMap$</P20982> <Preference_SpeedDialDetectDigitMap>$SpeedDialDetectDigitMap$ </Preference_SpeedDialDetectDigitMap>
P Value Format	P20982
Description	If set to Enable, Speed Dial / BLF will match to the digit map. 0-Disable,1-Enable Example: <P20982>0</P20982> <Preference_SpeedDialDetectDigitMap>0</Preference_SpeedDialDetectDigitMap>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->SpeedDial Detect Digitmap
Phone UI	Blank

LED Instruction

Parameter Example	<P3734>$LEDPowerStatus$</P3734> <Preference_LEDPowerStatus>$LEDPowerStatus$</Preference_LEDPowerStatus>
P Value Format	P3734
Description	If Yes,the LED state will indicate the power of the phone. 0-No，1-Yes Example: <P3734>1</P3734> <Preference_LEDPowerStatus>1</Preference_LEDPowerStatus>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->LED Status Setting Power Status
Phone UI	Blank
Parameter Example	<P3735>$LEDRingingStatus$</P3735> <Preference_LEDRingingStatus>$LEDRingingStatus$</Preference_LEDRingingStatus>
P Value Format	P3735
Description	If Yes,the LED state will indicate that the phone is ringing. 0-No，1-Yes Example: <P3735>1</P3735> <Preference_LEDRingingStatus>1</Preference_LEDRingingStatus>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->LED Status Setting Ringing Status
Phone UI	Blank
Parameter Example	<P3736>$LEDMissCallsStatus$</P3736> <Preference_LEDMissCallsStatus>$LEDMissCallsStatus$</Preference_LEDMissCallsStatus>

P Value Format	P3736
Description	If Yes,the LED state will indicate that the phone miss calls. 0-No，1-Yes Example: <P3736>0</P3736> <Preference_LEDMissCallsStatus>0</Preference_LEDMissCallsStatus>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->LED Status Setting MissCalls Status
Phone UI	Blank
Parameter Example	<P20082>$VoiceMesgStatus$</P20082> <VoiceMesgStatus>$VoiceMesgStatus$</VoiceMesgStatus>
P Value Format	P20082
Description	Whether to show voice message notification on LCD. 0-No,1-Yes Example: <P20082>0</P20082> <VoiceMesgStatus>0</VoiceMesgStatus>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Voice Message Status
Phone UI	Blank

Wallpaper

Parameter Example	<P8660>$WallPaper$</P8660> <Preference_WallPaper>$WallPaper$</Preference_WallPaper>
P Value Format	P8660
Description	It configures the wallpaper of the phone. 0-Wallpaper1，1-Wallpaper2，2-Wallpaper3，3-Wallpaper4，4-Wallpaper5，5-Wallpaper6 Example: <P8660>1</P8660> <Preference_WallPaper>1</Preference_WallPaper>
Permitted Values	List [0 ~ 5]
Default	1
Web UI	Setting->Preference->Wallpaper
Phone UI	Settings->Basic->Display->Wallpaper->Wallpapers
Parameter Example	<P20052>$WallpaperServerURL$</P20052> <FirmwareUpGrade_WallpaperServerURL>$WallpaperServerURL$ </FirmwareUpGrade_WallpaperServerURL>
P Value Format	P20052
Description	It configures the wallpaper server URL. Example: <P20052>http://192.168.0.200/000_7.png</P20052> <FirmwareUpGrade_WallpaperServerURL>http://192.168.0.200/000_7.png </FirmwareUpGrade_WallpaperServerURL>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Wallpaper Server URL
Phone UI	Blank

Screensaver

Parameter Example	<P8940>$ScreenTimeOut$</P8940> <Preference_ScreenTimeOut>$ScreenTimeOut$</Preference_ScreenTimeOut>
P Value Format	P8940
Description	After this time, the phone will enter the screensaver. 0-off，1-1 min，2-2 min，3-5 min，4-10 min，5-30 min Example: <P8940>0</P8940> <Preference_ScreenTimeOut>0</Preference_ScreenTimeOut>
Permitted Values	List [0 ~ 5]
Default	0
Web UI	Setting->Preference->Screen Time Out
Phone UI	Settings->Display->Screen timeout
Parameter Example	<P8950>$ScreenSaverType$</P8950> <Preference_ScreenSaverType>$ScreenSaverType$</Preference_ScreenSaverType>
P Value Format	P8950
Description	It configures the screensaver type of the phone. 0-time&logo，1-photo switch，2-ScreenSaver Photo1，3-ScreenSaver Photo2， 4-ScreenSaver Photo3，13-time only Example: <P8950>0</P8950> <Preference_ScreenSaverType>0</Preference_ScreenSaverType>
Permitted Values	List [0 ~ 4 ; 13]
Default	0
Web UI	Setting->Preference->ScreenSaver Type
Phone UI	Settings->Display->Screensaver->Current screensaver
Parameter Example	<P20051>$ScreensaverServerURL$</P20051> <FirmwareUpGrade_ScreensaverServerURL>$ScreensaverServerURL$ </FirmwareUpGrade_ScreensaverServerURL>
P Value Format	P20051
Description	It configures the screensaver server URL. Example: <P20051>http://192.168.0.200/000_7.png</P20051> <FirmwareUpGrade_ScreensaverServerURL>http://192.168.0.200/000_7.png </FirmwareUpGrade_ScreensaverServerURL>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Screensaver Server URL
Phone UI	Blank

Management PassWord Setting

Parameter Example	<P8681>$Admin$</P8681> <LogUser_Admin>$Admin$</LogUser_Admin>
P Value Format	P8681
Description	It configures the user who logged in to the phone is an administrator. Example: <P8681>admin</P8681> <LogUser_Admin>admin</LogUser_Admin>
Permitted Values	string;maxlength: 0-256
Default	admin
Web UI	Management->Password
Phone UI	Blank
Parameter Example	<P8682>$User$</P8682> <LogUser_User>$User$</LogUser_User>
P Value Format	P8682

Description	It configures the user who logged in to the phone is a user. Example: <P8682>user</P8682> <LogUser_User>user</LogUser_User>
Permitted Values	string;maxlength: 0-256
Default	user
Web UI	Management->Password
Phone UI	Blank
Parameter Example	<P2>$AdminPassword$</P2> <AdminPassword>$AdminPassword$</AdminPassword>
P Value Format	P2
Description	It configures the password for the administrator who logs in to the phone. Example: <P2>admin</P2> <AdminPassword>admin</AdminPassword>
Permitted Values	string;maxlength: 0-26
Default	admin
Web UI	Management->Password
Phone UI	Settings->Advanced->Set Password
Parameter Example	<P196>$UserPassword$</P196> <UserPassword>$UserPassword$</UserPassword>
P Value Format	P196
Description	It configures the password for the user who logs in to the phone. Example: <P196>1234</P196> <UserPassword>1234</UserPassword>
Permitted Values	string;maxlength: 0-26
Default	1234
Web UI	Management->Password
Phone UI	Settings->Advanced->Set Password
Parameter Example	<P24995>$UserAccessLevel$</P24995> <UserLcdLevel>$UserAccessLevel$</UserLcdLevel>
P Value Format	P24995
Description	It configures the user access level of the phone. 0-user,1-var,2-admin,3-none 'none' means need to re-enter the password to enter the menu of the corresponding level after reboot. Example: <P24995>3</P24995> <UserLcdLevel>3</UserLcdLevel>
Permitted Values	Int: 0-3
Default	3
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20653>$VarPassword$</P20653> <VarPassword>$VarPassword$<VarPassword>
P Value Format	P20653
Description	Password for Var web or lcd login. Example: <P20653>1234</P20653> <VarPassword>1234<VarPassword>
Permitted Values	string;maxlength: 0-30
Default	1234
Web UI	Blank
Phone UI	Blank

Phone lock

Parameter Example	<P8630>$KeypadLock$</P8630> <PhoneLock_KeypadLock>$KeypadLock$</PhoneLock_KeypadLock>

P Value Format	P8630
Description	It configures the keypad lock. 0-Disable，1-All Keys Example: <P8630>0</P8630> <PhoneLock_KeypadLock>1</PhoneLock_KeypadLock>
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Setting->Features->Phone Lock->Keypad Lock
Phone UI	Settings->Advanced->Phones Settings->Phone Lock->Lock
Parameter Example	<P5730>$PhoneUnlockPin$</P5730> <PhoneLock_PhoneUnlockPin>$PhoneUnlockPin$</PhoneLock_PhoneUnlockPin>
P Value Format	P5730
Description	It configures the phone unlock pin. Example: <P5730>admin</P5730> <PhoneLock_PhoneUnlockPin>admin</PhoneLock_PhoneUnlockPin>
Permitted Values	string;maxlength: 0-32
Default	admin
Web UI	Setting->Features->Phone Lock->Phone Unlock Pin(0~15digial)
Phone UI	Settings->Advanced->Phones Settings->Phone Lock->Unlock Pin
Parameter Example	<P5731>$AutoLockTime$</P5731> <PhoneLock_AutoLockTime>$AutoLockTime$</PhoneLock_AutoLockTime>
P Value Format	P5731
Description	When this time is exceeded, it will timeout. from 15 to 3600，default is 15 Example: <P5731>15</P5731> <PhoneLock_AutoLockTime>3600</PhoneLock_AutoLockTime>
Permitted Values	Int: 15-3600
Default	15
Web UI	Blank
Phone UI	Blank
Parameter Example	<P5732>$PhoneLock_Emergency$</P5732> <PhoneLock_Emergency>$PhoneLock_Emergency$</PhoneLock_Emergency>
P Value Format	P5732
Description	Put an emergency number here. Example: <P5732>1057</P5732> <PhoneLock_Emergency>1057</PhoneLock_Emergency>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Setting->Features->Phone Lock->PhoneLock Emergency
Phone UI	Settings->Advanced->Phones Settings->Phone Lock->Emergency Call

Date&Time

Parameter Example	<P24064>$DHCPOPTION100$</P24064> <DT_DHCPOPTION100>$DHCPOPTION100$</DT_DHCPOPTION100>
P Value Format	P24064
Description	DHCP Option 100 is the highest priority,higher than DHCP Time and Time Zone 0-No,1-Yes Example: <P24064>0</P24064> <DT_DHCPOPTION100>0</DT_DHCPOPTION100>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Date&Time->DHCP Option 100
Phone UI	Blank

Parameter Example	<P143>$DHCPTime$</P143> <Preference_DHCPTime>$DHCPTime$</Preference_DHCPTime>
P Value Format	P143
Description	It determines whether to enable DHCP time. 0-No，1-Yes Example:<P143>0</P143> <Preference_DHCPTime>0</Preference_DHCPTime>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Date&Time->DHCP Time
Phone UI	Settings->Basic->DHCP Time->DHCP Time
Parameter Example	<P64>$TimeZone$</P64> <Preference_TimeZone>$TimeZone$</Preference_TimeZone>
P Value Format	P64
Description	It configures the time zone of the phone to correction time. Time Zone #105 - -11 Samoa, 1 - -10 United States-Hawaii-Aleutian # 2 - -10 United States-Alaska-Aleutian, 3 - -9 United States-Alaska Time # 4 - -8 Canada(Vancouver,Whitehorse), 5 - -8 Mexico(Tijuana,Mexicali) # 6 - -8 United States-Pacific Time, 7 - -7 Canada(Edmonton,Calgary) # 8 - -7 Mexico(Mazatlan,Chihuahua), 9 - -7 United States-Mountain Time # 10 - -7 United States-MST no DST, 11 - -6 Canada-Manitoba(Winnipeg) # 12 - -6 Chile(Easter Islands), 13 - -6 Mexico(Mexico City,Acapulco) # 14 - -6 United States-Central Time, 15 - -5 Bahamas(Nassau) # 16 - -5 Canada(Montreal,Ottawa,Quebec), 17 - -5 Cuba(Havana) # 18 - -5 United States-Eastern Time, 19 - -4:30 Venezuela(Caracas) # 20 - -4 Canada(Halifax,Saint John), 21 - -4 Chile(Santiago) # 22 - -4 Paraguay(Asuncion), 23 - -4 United Kingdom-Bermuda(Bermuda) # 24 - -4 United Kingdom(Falkland Islands), 25 - -4 Trinidad & Tobago # 26 - -3:30 Canada-New Foundland(St.Johns), 27 - -3 Denmark-Greenland(Nuuk) # 28 - -3 Argentina(Buenos Aires), 29 - -3 Brazil(no DST) # 30 - -3 Brazil(DST), 31 - -2 Brazil(no DST), 32 - -1 Portugal(Azores) # 33 - 0 GMT, 34 - 0 Greenland, 35 - 0 Denmark-Faroe Islands(Torshaven) # 36 - 0 Ireland(Dublin), 37 - 0 Portugal(Lisboa,Porto,Funchal) # 38 - 0 Spain-Canary Islands(Las Palmas), 39 - 0 United Kingdom(London) # 40 - 0 Morocco, 41 - +1 Albania(Tirane),42 - +1 Austria(Vienna) # 43 - +1 Belgium(Brussels), 44 - +1 Caicos, 45 - +1 Chatam # 46 - +1 Croatia(Zagreb), 47 - +1 Czech Republic(Prague) # 48 - +1 Denmark(Kopenhaven), 49 - +1 France(Paris), 50 - +1 Germany(Berlin) # 51 - +1 Hungary(Budapest), 52 - +1 Italy(Rome), 53 - +1 Luxembourg(Luxembourg) # 54 - +1 Makedonia(Skopje), 55 - +1 Netherlands(Amsterdam), 56 - +1 Poland(Warsaw),Serbia(Belgrade) # 57 - +2 Estonia(Tallinn), 58 - +2 Finland(Helsinki), 59 - +2 Gaza Strip(Gaza) # 106 - +2 Greece(Athens), 61 - +2 Israel(Tel Aviv), 62 - +2 Jordan(Amman) # 63 - +2 Latvia(Riga), 64 - +2 Lebanon(Beirut), 65 - +2 Moldova(Kishinev) # 66 - +2 Russia(Kaliningrad), 67 - +2 Romania(Bucharest), 68 - +2 Syria(Damascus) # 69 - +2 Turkey(Ankara), 70 - +2 Ukraine(Kyiv,Odessa), 71 - +3 East Africa Time # 72 - +3 Iraq(Baghdad), 73 - +3 Russia(Moscow), 74 - +3:30 Iran(Teheran) # 75 - +4 Armenia(Yerevan), 76 - +4 Azerbaijan(Baku), 77 - +4 Georgia(Tbilisi) # 78 - +4 Kazakstan(Aqtau), 79 - +4 Russia(Samara), 80 - +5 Kazakstan(Aqtobe) # 81 - +5 Kyrgyzstan(Bishkek), 82 - +5 Pakistan(Islamabad), 83 - +5 Russia(Chelyabinsk) # 84 - +5:30 India(Calcutta), 85 - +6 Kazakstan(Astana,Almaty), 86 - +6 Russia(Novosibirsk,Omsk) # 87 - +7 Russia(Krasnoyarsk), 88 - +7 Thailand(Bangkok), 89 - +8 China(Beijing) # 90 - +8 Singapore(Singapore), 91 - +8 Australia(Perth), 92 - +9 Korea(Seoul) # 93 - +9 Japan(Tokyo), 94 - +9:30 Australia(Adelaide), 95 - +9:30 Australia(Darwin) # 96 - +10 Australia(Sydney,Melbourne,Canberra), 97 - +10 Australia(Brisbane) # 98 - +10 Australia(Hobart), 99 - +10 Russia(Vladivostok), 100 - +10:30 Australia(Lord Howe Islands) # 101 - +11 New Caledonia(Noumea), 102 - +12 New Zeland(Wellington,Auckland) # 103 - +12:45 New Zeland(Chatham Islands), 104 - +13 Tonga(Nukualofa) Example: <P64>105</P64> <Preference_TimeZone>105</Preference_TimeZone>
Permitted Values	List [See Declare]

Default	105
Web UI	Setting->Date&Time->Time Zone
Phone UI	Settings->Basic->Time&Date->Time Zone
Parameter Example	<P144>$DHCPOverrideNTP$</P144> <NW_Adv_DHCPOverrideNTP>$DHCPOverrideNTP$</NW_Adv_DHCPOverrideNTP>
P Value Format	P144
Description	If Yes,NTP time will be overwritten by DHCP time. 0-No，1-Yes Example: <P144>0</P144> <NW_Adv_DHCPOverrideNTP>0</NW_Adv_DHCPOverrideNTP>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Date&Time->NTP Server is Covered with DHCP
Phone UI	Blank
Parameter Example	<P30>TT_H_NTP</P30> <NW_Adv_UrlOrIpAddress>TT_H_NTP</NW_Adv_UrlOrIpAddress>
P Value Format	P30
Description	NTP Server：It is used to configure phone time. Example: <P30>213.144.235.1</P30> <NW_Adv_UrlOrIpAddress>213.144.235.1</NW_Adv_UrlOrIpAddress>
Permitted Values	string;maxlength: 0-16
Default	213.144.235.1
Web UI	Setting->Date&Time->NTP Server
Phone UI	Blank
Parameter Example	<P8622>$BackUpNTPServer$</P8622> <DT_BackUpNTPServer>$BackUpNTPServer$</DT_BackUpNTPServer>
P Value Format	P8622
Description	Set the backup NTP server to obtain the time. Example: <P8622>http://192.168.0.200</P8622> <DT_BackUpNTPServer>http://192.168.0.200</DT_BackUpNTPServer>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Setting->Date&Time->Backup NTP Server
Phone UI	Blank
Parameter Example	<P24888>$Disable$</P24888> <DT_Update_Interval>$Disable$</DT_Update_Interval>
P Value Format	P24888
Description	It configures the interval (in seconds) to update time and date from the NTP server. Example: <P24888>15</P24888> <DT_Update_Interval>15</DT_Update_Interval>
Permitted Values	int: 15 ~ 84600
Default	120
Web UI	Setting->Date&Time-> Update Interval (15~86400s)
Phone UI	Blank
Parameter Example	<P23127>$SIPDateOverideTime$</P23127> <DT_SIPDateOverideTime>$SIPDateOverideTime$</DT_SIPDateOverideTime>
P Value Format	P23127
Description	Whether to synchronize the time of using the SIP server. 0-No,1-Yes Example: <P23127>0</P23127> <DT_SIPDateOverideTime>0</DT_SIPDateOverideTime>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Date&Time->SIP Date Override Time
Phone UI	Blank

Parameter Example	<P23128>$SIPDateSelectedAccount$</P23128> <DT_SIPDateSelectedAccount>$SIPDateSelectedAccount$</DT_SIPDateSelectedAccount>
P Value Format	P23128
Description	Select which SIP account server to use as the time server. 0-Account 1, 1-Account 2, 2-Account 3, 3-Account 4，5-Account 6, 6-Account 7, 7-Account 8, 8-Account 9，9-Account 10, A-Account 11, B-Account 12, C-Account 13，D-Account 14, E-Account 15, F-Account 16 Example: <P23128>0</P23128> <DT_SIPDateSelectedAccount>0</DT_SIPDateSelectedAccount>
Permitted Values	List [0 ~ F]
Default	0
Web UI	Setting->Date&Time->Account(SIP Date Override Time)
Phone UI	Blank
Parameter Example	<P75>$DaylightSavingTime$</P75> <Preference_DaylightSavingTime>$DaylightSavingTime$</Preference_DaylightSavingTime>
P Value Format	P75
Description	It determines whether to enable Daylight Saving time. 0-Disable，1-Enable，2-Auto Example: <P75>0</P75> <Preference_DaylightSavingTime>0</Preference_DaylightSavingTime>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Setting->Date&Time->Daylight Saving Time
Phone UI	Blank
Parameter Example	<P8624>$TimeFormat$</P8624> <Preference_TimeFormat>$TimeFormat$</Preference_TimeFormat>
P Value Format	P8624
Description	It configures the display format of time on telephone LCD. 0-24 Hour，1-12 Hour Example: <P8624>0</P8624> <Preference_TimeFormat>0</Preference_TimeFormat>
Permitted Values	List [0,1]
Default	0
Web UI	Setting->Date&Time->Time Format
Phone UI	Settings->Basic->Time&Date->TIME FORMATE
Parameter Example	<P102>$DateDisplayFormat$</P102> <Preference_DateDisplayFormat>$DateDisplayFormat$</Preference_DateDisplayFormat>
P Value Format	P102
Description	It configures the display format of date on telephone LCD. 0-Year-Month-Day，1-Month-Day-Year，2-Day-Month-Year Example: <P102>2</P102> <Preference_DateDisplayFormat>2</Preference_DateDisplayFormat>
Permitted Values	List [0 ~ 2]
Default	2
Web UI	Setting->Date&Time->Date Display Format
Phone UI	Blank
Parameter Example	<P23118>$DSTStartWeekMonth$</P23118> <Preference_DSTStartWeekMonth>$DSTStartWeekMonth$</Preference_DSTStartWeekMonth>
P Value Format	P23118
Description	It configures the month of start week of the daylight saving time. 1-January，2-February，3-March，4-April，5-May，6-June，7-July， 8-August，9-September，10-October，11-November，12-December Example: <P23118>1</P23118> <Preference_DSTStartWeekMonth>1</Preference_DSTStartWeekMonth>
Permitted Values	List [1 ~ 12]

Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Week Type)->Start Week
Phone UI	Blank
Parameter Example	<P23119>$DSTStartWeeknum$</P23119> <Preference_DSTStartWeeknum>$DSTStartWeeknum$</Preference_DSTStartWeeknum>
P Value Format	P23119
Description	It configures the week of start week of the daylight saving time. 1-First in Month，2-Second in Month，3-Third in Month，4-Fourth in Month，5-Last in Month Example: <P23119>1</P23119> <Preference_DSTStartWeeknum>1</Preference_DSTStartWeeknum>
Permitted Values	List [1 ~ 5]
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Week Type)->Start Week
Phone UI	Blank
Parameter Example	<P23120>$DSTStartWeekday$</P23120> <Preference_DSTStartWeekday>$DSTStartWeekday$</Preference_DSTStartWeekday>
P Value Format	P23120
Description	It configures the day of start week of the daylight saving time. 0-Sunday，1-Monday，2-Tuesday，3-Wednesday，4-Thursday，5-Friday，6-Saturday Example: <P23120>0</P23120> <Preference_DSTStartWeekday>0</Preference_DSTStartWeekday>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Week Type)->Start Week
Phone UI	Blank
Parameter Example	<P23121>$DSTStartWeekhour$</P23121> <Preference_DSTStartWeekhour>$DSTStartWeekhour$</Preference_DSTStartWeekhour>
P Value Format	P23121
Description	It configures the hour of start week of the daylight saving time. 0-00:00，1-01:00，2-02:00，3-03:00，4-04:00，5-05:00，6-06:00，7-07:00， 8-08:00，9-09:00，10-10:00，11-11:00，12-12:00，13-13:00，14-14:00，15-15:00， 16-16:00，17-17:00，18-18:00，19-19:00，20-20:00，21-21:00，22-22:00，23-23:00， Example: <P23121>0</P23121> <Preference_DSTStartWeekhour>0</Preference_DSTStartWeekhour>
Permitted Values	List [0 ~ 23]
Default	0
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Week Type)->Start Week
Phone UI	Blank
Parameter Example	<P23122>$DSTEndWeekMonth$</P23122> <Preference_DSTEndWeekMonth>$DSTEndWeekMonth$</Preference_DSTEndWeekMonth>
P Value Format	P23122
Description	It configures the month of end week of the daylight saving time. 1-January，2-February，3-March，4-April，5-May，6-June，7-July， 8-August，9-September，10-October，11-November，12-December Example: <P23122>12</P23122> <Preference_DSTEndWeekMonth>12</Preference_DSTEndWeekMonth>
Permitted Values	List [1 ~ 12]
Default	12
Web UI	Setting->Daylight Saving Time(Enable)->DST Type(Week Type)->End Week
Phone UI	Blank
Parameter Example	<P23123>$DSTEndWeeknum$</P23123> <Preference_DSTEndWeeknum>$DSTEndWeeknum$</Preference_DSTEndWeeknum>
P Value Format	P23123

Description	It configures the week of end week of the daylight saving time. 1-First in Month，2-Second in Month，3-Third in Month，4-Fourth in Month，5-Last in Month Example: <P23123>1</P23123> <Preference_DSTEndWeeknum>1</Preference_DSTEndWeeknum>
Permitted Values	List [1 ~ 5]
Default	1
Web UI	Setting->Daylight Saving Time(Enable)->DST Type(Week Type)->End Week
Phone UI	Blank
Parameter Example	<P23124>$DSTEndWeekday$</P23124> <Preference_DSTEndWeekday>$DSTEndWeekday$</Preference_DSTEndWeekday>
P Value Format	P23124
Description	It configures the day of end week of the daylight saving time. 0-Sunday，1-Monday，2-Tuesday，3-Wednesday，4-Thursday，5-Friday，6-Saturday Example: <P23124>0</P23124> <Preference_DSTEndWeekday>0</Preference_DSTEndWeekday>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Daylight Saving Time(Enable)->DST Type(Week Type)->End Week
Phone UI	Blank
Parameter Example	<P23125>$DSTEndWeekhour$</P23125> <Preference_DSTEndWeekhour>$DSTEndWeekhour$</Preference_DSTEndWeekhour>
P Value Format	P23125
Description	It configures the hour of end week of the daylight saving time. 0-00:00，1-01:00，2-02:00，3-03:00，4-04:00，5-05:00，6-06:00，7-07:00， 8-08:00，9-09:00，10-10:00，11-11:00，12-12:00，13-13:00，14-14:00，15-15:00， 16-16:00，17-17:00，18-18:00，19-19:00，20-20:00，21-21:00，22-22:00，23-23:00， Example: <P23125>23</P23125> <Preference_DSTEndWeekhour>23</Preference_DSTEndWeekhour>
Permitted Values	List [0 ~ 23]
Default	23
Web UI	Setting->Daylight Saving Time(Enable)->DST Type(Week Type)->End Week
Phone UI	Blank
Parameter Example	<P20076>$Month$</P20076> <DT_DSTStartTime_Month>$Month$</DT_DSTStartTime_Month>
P Value Format	P20076
Description	Set the time for daylight saving time to start for the month. Example: <P20076>1</P20076> <DT_DSTStartTime_Month>1</DT_DSTStartTime_Month>
Permitted Values	string;maxlength: 0-2
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Day Type)->Start Date
Phone UI	Blank
Parameter Example	<P20077>Day</P20077> <DT_DSTStartTime_Day>Day</DT_DSTStartTime_Day>
P Value Format	P20077
Description	Set the time for daylight saving time to start for the day. Example: <P20077>1</P20077> <DT_DSTStartTime_Day>1</DT_DSTStartTime_Day>
Permitted Values	string;maxlength: 0-2
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Day Type)->Start Date
Phone UI	Blank
Parameter Example	<P20078>$Hour$</P20078> <DT_DSTStartTime_Hour>$Hour$</DT_DSTStartTime_Hour>
P Value Format	P20078

Description	Set the time for daylight saving time to start for the hour. Example: <P20078>0</P20078> <DT_DSTStartTime_Hour>0</DT_DSTStartTime_Hour>
Permitted Values	string;maxlength: 0-2
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Day Type)->Start Date
Phone UI	Blank
Parameter Example	<P20079>$Month$</P20079> <DT_DSTEndTime_Month>$Month$</DT_DSTEndTime_Month>
P Value Format	P20079
Description	Set the time for daylight saving time to end for the month. Example: <P20079>12</P20079> <DT_DSTEndTime_Month>12</DT_DSTEndTime_Month>
Permitted Values	string;maxlength: 0-2
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Day Type)->end Date
Phone UI	Blank
Parameter Example	<P20080>Day</P20080> <DT_DSTEndTime_Day>Day</DT_DSTEndTime_Day>
P Value Format	P20080
Description	Set the time for daylight saving time to end for the day. Example: <P20080>31</P20080> <DT_DSTEndTime_Day>31</DT_DSTEndTime_Day>
Permitted Values	string;maxlength: 0-2
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Day Type)->End Date
Phone UI	Blank
Parameter Example	<P20081>$Hour$</P20081> <DT_DSTEndTime_Hour>$Hour$</DT_DSTEndTime_Hour>
P Value Format	P20081
Description	Set the time for daylight saving time to end for the hour. Example: <P20081>23</P20081> <DT_DSTEndTime_Hour>23</DT_DSTEndTime_Hour>
Permitted Values	string;maxlength: 0-2
Default	1
Web UI	Setting->Date&Time->Daylight Saving Time(Enable)->DST Type(Day Type)->End Date
Phone UI	Blank
Parameter Example	<P25148>$CUSTOM_DATE_FORMAT$</P25148> <Custom_Date_Format>HT_RPCAPD_ENABLE</Custom_Date_Format>
P Value Format	P25148
Description	To configure the customer date formate ,it will be use when P25149 == 1 and P102 == 7 Example: <P25148>YYYY+MM+DD</P25148> <Custom_Date_Format>YYYY+MM+DD</Custom_Date_Format>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank

Language

Parameter Example	<P20175>$LanguageUrl$</P20175> <FirmwareUpGrade_LanguageUrl>$LanguageUrl$</FirmwareUpGrade_LanguageUrl>
P Value Format	P20175

Description	It configures the language server URL of the assigned language. Example: <P20175>http://192.168.0.200/Language.tar</P20175> <FirmwareUpGrade_LanguageUrl>http://192.168.0.200/Language.tar</FirmwareUpGrade_LanguageUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Language Server URL
Phone UI	Blank
Parameter Example	<P2525>$WebLanguage$</P2525> <Preference_WebLanguage>$WebLanguage$</Preference_WebLanguage>
P Value Format	P2525
Description	It configures the language of the web. 0-English，1-French，2-German，3-Spanish，4-Portuguses，5-Russian，6-Italian，7-Polish，8-Turkish，9-Serbian，10-ChineseSimplified，19-Dutch Example: <P2525>0</P2525> <Preference_WebLanguage>0</Preference_WebLanguage>
Permitted Values	List [0 ~ 10 ; 19]
Default	0
Web UI	Setting->Preference->Web Language
Phone UI	Blank
Parameter Example	<P8621>$LcdLanguage$</P8621> <Preference_LcdLanguage>$LcdLanguage$</Preference_LcdLanguage>
P Value Format	P8621
Description	It configures the language of the LCD. 0-English，1-French，2-German，3-Spanish，4-Portuguses，5-Russian，6-Italian，7-Polish，8-Turkish，9-Serbian，10-ChineseSimplified，13-Slovenian，14-Farsi，15-Hebrew，16-Slovak，17-Czech，19-Dutch Example: <P8621>0</P8621> <Preference_LcdLanguage>0</Preference_LcdLanguage>
Permitted Values	List [See Declare]
Default	0
Web UI	Setting->Preference->LCD Language
Phone UI	Settings->Basic->Language&Input->Languages

Key as send

Parameter Example	<P72>$UsePoundAsDialKey$</P72> <Preference_UsePoundAsDialKey>$UsePoundAsDialKey$</Preference_UsePoundAsDialKey>
P Value Format	P72
Description	If set to Yes, '#' will function as the '(Re-)Dial' key 0-No，1-Yes Example: <P72>1</P72> <Preference_UsePoundAsDialKey>1</Preference_UsePoundAsDialKey>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Preference->Use#As Dial Key
Phone UI	Features->#Send-># as Send Key
Parameter Example	<P772>$SendPoundasPercent23$</P772> <Preference_SendPoundasPercent23>$SendPoundasPercent23$</Preference_SendPoundasPercent23>
P Value Format	P772

Description	Replace # to %23 in dialing numbers when send 0-No，1-Yes Example: <P772>0</P772> <Preference_SendPoundasPercent23>0</Preference_SendPoundasPercent23>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Send # as %23
Phone UI	Blank

Hotline

Parameter Example	<P4210>$Hotline_Number$</P4210> <Hotline_Number>$Hotline_Number$</Hotline_Number>
P Value Format	P4210
Description	It configures the hotline number. Example: <P4210>1057</P4210> <Hotline_Number>1057</Hotline_Number>
Permitted Values	string;maxlength: 0-63
Default	blank
Web UI	Setting->Features->HotLine->Hotline Number
Phone UI	Features->HotLine->Number
Parameter Example	<P8638>$Hotline_TimeOut$</P8638> <Hotline_TimeOut>$Hotline_TimeOut$</Hotline_TimeOut>
P Value Format	P8638
Description	It configures the waiting time (in seconds) for the IP phone to automatically dial out the hotline number. from 0 to 180，default is 0 Example: <P8638>0</P8638> <Hotline_TimeOut>180</Hotline_TimeOut>
Permitted Values	Int：0-180
Default	0
Web UI	Setting->Features->HotLine->Hotline Time-out(seconds)(0~180s)
Phone UI	Features->HotLine->HotLine Delay

Call waiting

Parameter Example	<P8849>$CallWaiting_OnOff$</P8849> <CallWaiting_OnOff>$CallWaiting_OnOff$</CallWaiting_OnOff>
P Value Format	P8849
Description	It decides whether to enable call waiting. 0-Off，1-On Example: <P8849>0</P8849> <CallWaiting_OnOff>1</CallWaiting_OnOff>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Waiting->Call Waiting
Phone UI	Settings->Features->Call Waiting ->Call Waiting
Parameter Example	<P8850>$CallWaiting_Tone$</P8850> <CallWaiting_Tone>$CallWaiting_Tone$</CallWaiting_Tone>
P Value Format	P8850

Description	It decides whether to enable call waiting tone. 0-Off，1-On Example: <P8850>0</P8850> <CallWaiting_Tone>1</CallWaiting_Tone>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Call Waiting->Call Waiting Tone
Phone UI	Settings->Features->Call Waiting ->Play Tone
Parameter Example	<P24919>$CallWaiting_MaxNumberofIncomingCall$</P24919> <CallWaiting_MaxNumberofIncomingCall>$CallWaiting_MaxNumberofIncomingCall$</CallWaiting_MaxNumberofIncomingCall>
P Value Format	P24919
Description	It configures the max number of incoming call. Example: <P24919>3</P24919> <CallWaiting_MaxNumberofIncomingCall>3</CallWaiting_MaxNumberofIncomingCall>
Permitted Values	Bool: 1 ~ 8
Default	8
Web UI	Setting->Features->Call Waiting->Max Number of Incoming Call
Phone UI	Blank

Auto redial

Parameter Example	<P56204>$AutoRedial_OnOff$</P56204> <AutoRedial_OnOff>$AutoRedial_OnOff$</AutoRedial_OnOff>
P Value Format	P56204
Description	It decides wheather to enable the auto redial fuction. 0-Off，1-On Example: <P56204>0</P56204> <AutoRedial_OnOff>0</AutoRedial_OnOff>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Auto Redial->Auto Redial
Phone UI	Settings->Features->Auto Redial->Auto Redial
Parameter Example	<P56205>$AutoRedial_Interval$</P56205> <AutoRedial_Interval>$AutoRedial_Interval$</AutoRedial_Interval>
P Value Format	P56205
Description	It configures the interval of the auto redial.(In second) from 1 to 300，default is 3 Example: <P56205>3</P56205> <AutoRedial_Interval>3</AutoRedial_Interval>
Permitted Values	Int: 1-300
Default	3
Web UI	Setting->Features->Auto Redial->Auto Redial interval(1~300s)
Phone UI	Settings->Features->Auto Redial->Redial Interval
Parameter Example	<P56206>$AutoRedial_Times$</P56206> <AutoRedial_Times>$AutoRedial_Times$</AutoRedial_Times>
P Value Format	P56206
Description	It configures the auto redial times.(In second) from 1 to 300，default is 3 Example: <P56206>3</P56206> <AutoRedial_Times>3</AutoRedial_Times>
Permitted Values	Int: 1-300
Default	3
Web UI	Setting->Features->Auto Redial->Auto Redial Times(1~300s)

Phone UI	Settings->Features->Auto Redial->Redial Times

Remote Control

Parameter Example	<P23206>$ActionUrlIpList$</P23206> <RemoteControl_ActionUrlIpList>$ActionUrlIpList$</RemoteControl_ActionUrlIpList>
P Value Format	P23206
Description	It configures the action URI allow IP list. Example：<P23206>192.168.0.200</P23206> <RemoteControl_ActionUrlIpList>192.168.0.200</RemoteControl_ActionUrlIpList>
Permitted Values	string;maxlength: 0-256
Default	Blank
Web UI	Setting->Features->Remote Control->Action URI allow IP List
Phone UI	Blank
Parameter Example	<P24011>$RemoteControl_httppost$</P24011> <RemoteControl_httppost>$RemoteControl_httppost$</RemoteControl_httppost>
P Value Format	P24011
Description	Fill in the XML server list here. Example: <P24011>192.168.0.200</P24011> <RemoteControl_httppost>192.168.0.200</RemoteControl_httppost>
Permitted Values	string;maxlength: 0-15
Default	Blank
Web UI	Setting->Features->Remote Control->Push xml Server IP
Phone UI	Blank
Parameter Example	<P24012>$RemoteControl_Sipnotify$</P24012> <RemoteControl_Sipnotify>$RemoteControl_Sipnotify$</RemoteControl_Sipnotify>
P Value Format	P24012
Description	If Yes,the phone will enable SIP notify. 0-Off，1-On Example: <P24012>0</P24012> <RemoteControl_Sipnotify>1</RemoteControl_Sipnotify>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Remote Control->SIP Notify
Phone UI	Blank

Call Completion

Parameter Example	<P24748>$Enablecallcompletion$</P24748> <CallCompletion_Enablecallcompletion>$Enablecallcompletion$ </CallCompletion_Enablecallcompletion>
P Value Format	P24748
Description	It decides whether to enable call completion for the phone. 0-Off，1-On Example: <P24748>0</P24748> <CallCompletion_Enablecallcompletion>1</CallCompletion_Enablecallcompletion>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Call Completion->Enable Call Completion
Phone UI	Blank

Auto answer

Parameter Example	<P90>$AutoAnswer$</P90> <ProfileX_AutoAnswer>$AutoAnswer$</ProfileX_AutoAnswer>
TXT Type Format	Profile1_AutoAnswer, Profile2_AutoAnswer, Profile3_AutoAnswer …
P Value Format	P90, P425, P525, P625, P1725, P1825
Description	If Yes,the phone will answer automaticallyered. 0-No，1-Yes Example: <P90>0</P90> <Profile1_AutoAnswer>1</Profile1_AutoAnswer> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Auto Answer
Phone UI	Blank
Parameter Example	<P298>$AnswerViaCallInfo$</P298> <ProfileX_AnswerViaCallInfo>$AnswerViaCallInfo$</ProfileX_AnswerViaCallInfo>
TXT Type Format	Profile1_AnswerViaCallInfo, Profile2_AnswerViaCallInfo, Profile3_AnswerViaCallInfo …
P Value Format	P298, P438, P538, P638, P1738, P1838
Description	If Yes,the phone will allow auto answer by intercom. 0-No，1-Yes Example: <P298>0</P298> <Profile1_AnswerViaCallInfo>0</Profile1_AnswerViaCallInfo> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Allow Auto Answer by Call-Info (Intercom)
Phone UI	Blank
Parameter Example	<P20074>$InterComBarge$</P20074> <InterComBarge>$InterComBarge$</InterComBarge>
P Value Format	P20074
Description	If this option is enabled, when there is an active call and an incoming intercom call arrives, the previous call is then put on hold and the intercom call is answered. 0-off, 1-on Example: <P20074>0</P20074> <InterComBarge>0</InterComBarge>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Intercom Barge
Phone UI	Blank

Anonymous call

Parameter Example	<P65>$SendAnonymous$</P65> <ProfileX_SendAnonymous>$SendAnonymous$</ProfileX_SendAnonymous>
TXT Type Format	Profile1_SendAnonymous, Profile2_SendAnonymous, Profile3_SendAnonymous …
P Value Format	P65, P421, P521, P621, P1721, P1821

Description	If Yes,caller ID will be blocked. 0-No，1-Yes Example: <P65>0</P65> <Profile1_SendAnonymous>1</Profile1_SendAnonymous> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Send Anonymous
Phone UI	Blank
Parameter Example	<P129>$AnonymousCallRejection$</P129> <ProfileX_AnonymousCallRejection>$AnonymousCallRejection$ </ProfileX_AnonymousCallRejection>
TXT Type Format	Profile1_AnonymousCallRejection, Profile2_AnonymousCallRejection, Profile3_AnonymousCallRejection …
P Value Format	P129, P446 P1846, P1946, P20446, P20447
Description	If Yes,phone will reject anonymous call. 0-No，1-Yes Example: <P129>0</P129> <Profile1_AnonymousCallRejection>1</Profile1_AnonymousCallRejection> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Anonymous Call Rejection
Phone UI	Blank

DND

Parameter Example	<P24016>$DND_SynMode$</P24016> <DND_SynMode>$DND_SynMode$</DND_SynMode>
P Value Format	P24016
Description	It configures the DND Sync Mode. 0-XSI，1-FAC Example: <P24016>1</P24016> <DND_SynMode>1</DND_SynMode>
Permitted Values	List [0,1]
Default	1
Web UI	Setting->Features->Do Not Disturb->DND Work Type(Server)->DND Sync Mode
Phone UI	Blank
Parameter Example	<P53200>DND_OnCode</P53200> <DND_OnCode>DND_OnCode</DND_OnCode>
P Value Format	P532000
Description	The feature code the phone sends to enable DND (Do Not Disturb). Example: <P53200>*78</P53200> <DND_OnCode>*78</DND_OnCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Do Not Disturb->DND Work Type(Server)->DND On Code
Phone UI	Blank
Parameter Example	<P53201>$DND_OffCode$</P53201> <DND_OffCode>$DND_OffCode$</DND_OffCode>
P Value Format	P53201

Description	The feature code the phone sends to disable DND (Do Not Disturb). Example:<P53201>*79</P53201> <DND_OffCode>*79</DND_OffCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Do Not Disturb->DND Work Type(Server)->DND Off Code
Phone UI	Blank
Parameter Example	<P24960>DND_Toggle_Code</P24960> <DND_Toggle_Code>DND_Toggle_Code</DND_Toggle_Code>
P Value Format	P24960
Description	The feature code the phone sends to change DND status. Example: <P24960>*11</P24960> <DND_Toggle_Code>*11</DND_Toggle_Code>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Do Not Disturb-> DND Toggle Code
Phone UI	Blank
Parameter Example	<P24961>$Account$</P24961> <DND_Toggle_Account>$Account$</DND_Toggle_Account>
P Value Format	P24961
Description	The account index that used to send DND Toggle Code Example: <P24961>0</P24961> <DND_Toggle_Account>0</DND_Toggle_Accountggle_Code>
Permitted Values	Int: 0 ~ 15
Default	0
Web UI	Setting->Features->Do Not Disturb-> DND Toggle Account
Phone UI	Blank
Parameter Example	<P53202>$DND_AuthNum$</P53202> <DND_AuthNum>$DND_AuthNum$</DND_AuthNum>
P Value Format	P53202
Description	Even if the phone is in DND， it can still talk to the authorized number. Example: <P53202>1057</P53202> <DND_AuthNum>1057</DND_AuthNum>
Permitted Values	string;maxlength: 0-95
Default	0
Web UI	Setting->Preference->Do Not Disturb->Authorized Numbers(comma separated)
Phone UI	Blank
Parameter Example	<P1305>$Enable$</P1305> <DND_Enable>$Enable$</DND_Enable>
P Value Format	P1305
Description	It is the status of DND, 1-DND on 0-DND off, the phone must be registered successfully. Example: <P1305>0</P1305> <DND_Enable>0</DND_Enable>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Setting->Features->DND->DND

Play Hold Tone and Delay

Parameter Example	<P23204>$PlayHoldTone$</P23204> <Preference_PlayHoldTone>$PlayHoldTone$</Preference_PlayHoldTone>
P Value Format	P23204

Description	Enable or Disable the play hold tone. 0-Off,1-On Example: <P23204>0</P23204> <Preference_PlayHoldTone>0</Preference_PlayHoldTone>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Play Hold Tone
Phone UI	Blank
Parameter Example	<P23205>$PlayHoldToneDelay$</P23205> <Preference_PlayHoldToneDelay>$PlayHoldToneDelay$</Preference_PlayHoldToneDelay>
P Value Format	P23205
Description	It configures the time to play the hold delay. Example: <P23205>5</P23205> <Preference_PlayHoldToneDelay>5</Preference_PlayHoldToneDelay>
Permitted Values	string;maxlength: 0-4
Default	0
Web UI	Setting->Preference->Play Hold Tone Delay
Phone UI	Blank

Busy tone timer

Parameter Example	<P56203>$BusyToneTimer$</P56203> <Preference_BusyToneTimer>$BusyToneTimer$</Preference_BusyToneTimer>
P Value Format	P56203
Description	It configures the Busy Tone Timer. from 0 to 5，default is 4 Example: <P56203>4</P56203> <Preference_BusyToneTimer>4</Preference_BusyToneTimer>
Permitted Values	Int: 0-5
Default	4
Web UI	Setting->Preference->Busy Tone Timer (0~5s)
Phone UI	Blank

Call forward

Parameter Example	<P53100>$ForwardAlways_OnOff$</P53100> <ForwardAlways_OnOff>$ForwardAlways_OnOff$</ForwardAlways_OnOff>
P Value Format	P53100
Description	It decides whether to enable the fuction that the phone can always forward. 0-Off，1-On Example: <P53100>0</P53100> <ForwardAlways_OnOff>0</ForwardAlways_OnOff>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Forward->Forward Always OnOff
Phone UI	Features->Call Forward->Always->Always
Parameter Example	<P53101>$ForwardAlways_Target$</P53101> <ForwardAlways_Target>$ForwardAlways_Target$</ForwardAlways_Target>
P Value Format	P53101
Description	It configures the target account for you to transfer. Example: <P53101>1057</P53101> <ForwardAlways_Target>1057</ForwardAlways_Target>

Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->Forward->Forward Always Target
Phone UI	Features->Forward->Always->Forward to
Parameter Example	<P53102>$ForwardAlways_OnCode$</P53102> <ForwardAlways_OnCode>$ForwardAlways_OnCode$</ForwardAlways_OnCode>
P Value Format	P53102
Description	The feature code the phone sends to enable forwarding for all incoming calls. Example: <P53102>*72</P53102> <ForwardAlways_OnCode>*72</ForwardAlways_OnCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Forward->Forward Always On Code(DND Work Type(Server))
Phone UI	Blank
Parameter Example	<P53103>$ForwardAlways_OffCode$</P53103> <ForwardAlways_OffCode>$ForwardAlways_OffCode$</ForwardAlways_OffCode>
P Value Format	P53103
Description	The feature code the phone sends to disable forwarding for all incoming calls. Example: <P53103>*73</P53103> <ForwardAlways_OffCode>*73</ForwardAlways_OffCode>
Permitted Values	string;maxlength: 0-16
Default	0
Web UI	Setting->Features->Forward->Forward Always Off Code(DND Work Type(Server))
Phone UI	Blank
Parameter Example	<P53110>$ForwardBusy_OnOff$</P53110> <ForwardBusy_OnOff>$ForwardBusy_OnOff$</ForwardBusy_OnOff>
P Value Format	P53110
Description	It decides whether to enable the function that the phone can forward when it is busy. 0-Off，1-On Example: <P53110>0</P53110> <ForwardBusy_OnOff>1</ForwardBusy_OnOff>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Forward->Forward Busy OnOff
Phone UI	Features->Forward->Busy->Busy
Parameter Example	<P53111>$ForwardBusy_Target$</P53111> <ForwardBusy_Target>$ForwardBusy_Target$</ForwardBusy_Target>
P Value Format	P53111
Description	It configures the target account for you to transfer. Example: <P53111>1057</P53111> <ForwardBusy_Target>1057</ForwardBusy_Target>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->Forward->Forward Busy Target
Phone UI	Features->Forward->Busy->Forward to
Parameter Example	<P53112>$ForwardBusy_OnCode$</P53112> <ForwardBusy_OnCode>$ForwardBusy_OnCode$</ForwardBusy_OnCode>
P Value Format	P53112
Description	The feature code the phone sends to enable call forward-on-busy. Example: <P53112>*90</P53112> <ForwardBusy_OnCode>*90</ForwardBusy_OnCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Forward->Forward Busy On Code(DND Work Type(Server))
Phone UI	Blank

Parameter Example	<P53113>$ForwardBusy_OffCode$</P53113> <ForwardBusy_OffCode>$ForwardBusy_OffCode$</ForwardBusy_OffCode>
P Value Format	P53113
Description	The feature code the phone sends to disable call forward-on-busy. Example: <P53113>*91</P53113> <ForwardBusy_OffCode>*91</ForwardBusy_OffCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Forward->Forward Busy Off Code(DND Work Type(Server))
Phone UI	Blank
Parameter Example	<P53120>$ForwardNoAnswer_OnOff$</P53120> <ForwardNoAnswer_OnOff>$ForwardNoAnswer_OnOff$ </ForwardNoAnswer_OnOff>
P Value Format	P53120
Description	It decides whether to enable the function that the phone can transfer when It cannot receive answer. 0-Off，1-On Example: <P53120>0</P53120> <ForwardNoAnswer_OnOff>1</ForwardNoAnswer_OnOff>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Forward->Forward No Answer OnOff
Phone UI	Features->Forward->No Answer->No Answer
Parameter Example	<P53124>$ForwardNoAnswer_AfterRingTime$</P53124> <ForwardNoAnswer_AfterRingTime>$ForwardNoAnswer_AfterRingTime$ </ForwardNoAnswer_AfterRingTime>
P Value Format	P53124
Description	Waiting time before Forward-on-No-Answer .(if enabled)(In seconds) from 6 to 120，default is 60 Example: <P53124>6</P53124> <ForwardNoAnswer_AfterRingTime>120</ForwardNoAnswer_AfterRingTime>
Permitted Values	Int: 6-120
Default	60
Web UI	Setting->Features->Forward->Forward No Answer After Ring Time(seconds)
Phone UI	Features->Forward->No Answer->After Ring Times
Parameter Example	<P53121>$ForwardNoAnswer_Target$</P53121> <ForwardNoAnswer_Target>$ForwardNoAnswer_Target$</ForwardNoAnswer_Target>
P Value Format	P53121
Description	It configures the target account for you to transfer. Example: <P53121>1057</P53121> <ForwardNoAnswer_Target>1057</ForwardNoAnswer_Target>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->Forward->Forward No Answer Target
Phone UI	Features->Forward->No Answer->Forward to
Parameter Example	<P53122>$ForwardNoAnswer_OnCode$</P53122> <ForwardNoAnswer_OnCode>$ForwardNoAnswer_OnCode$ </ForwardNoAnswer_OnCode>
P Value Format	P53122
Description	The feature code the phone sends to enable call Forward-on-No-Answer. Example: <P53122>*52</P53122> <ForwardNoAnswer_OnCode>*52</ForwardNoAnswer_OnCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Forward->Forward No Answe On Code(DND Work Type(Server))
Phone UI	Blank

Parameter Example	<P53123>$ForwardNoAnswer_OffCode$</P53123> <ForwardNoAnswer_OffCode>$ForwardNoAnswer_OffCode$ </ForwardNoAnswer_OffCode>
P Value Format	P53123
Description	The feature code the phone sends to disable call Forward-on-No-Answer. Example: <P53123>*53</P53123> <ForwardNoAnswer_OffCode>53</ForwardNoAnswer_OffCode>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->Features->Forward->Forward No Answer Off Code(DND Work Type(Server))
Phone UI	Blank

Call transfer

Parameter Example	<P3201>$Transfer_BlindTransferOnHook$</P3201> <Transfer_BlindTransferOnHook>$Transfer_BlindTransferOnHook$ </Transfer_BlindTransferOnHook>
P Value Format	P3201
Description	It decides whether to enable the IP phone to complete the blind transfer through on-hook besides pressing the Tran/Transfer soft key or TRAN/TRANSFER key (Blind transfer means transfer a call directly to another party without consulting). 0-Off，1-On Example:<P3201>0</P3201> <Transfer_BlindTransferOnHook>1</Transfer_BlindTransferOnHook>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Transfer Settings->Transfer Blind Transfer On Hook
Phone UI	Blank
Parameter Example	<P25075>$ForwardSelective_Entry$</P25075> <Transfer_Semi_AttendedTransferOnHook>$ForwardSelective_Entry$ </Transfer_Semi_AttendedTransferOnHook>
P Value Format	P25075
Description	It configures wether send semi attended transfer if on hook a dialing call. Example: <P25075>1057</P25075> <Transfer_Semi_AttendedTransferOnHook>1057 </Transfer_Semi_AttendedTransferOnHook>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Transfer Settings-> Semi-Attended Transfer
Phone UI	Blank
Parameter Example	<P3202>$Transfer_Semi_AttendedTransfer$</P3202> <Transfer_Semi_AttendedTransfer>$Transfer_Semi_AttendedTransfer$ </Transfer_Semi_AttendedTransfer>
P Value Format	P3202
Description	It decides whether to enable the transfer-to party's phone not to prompt a missed call on the LCD screen before displaying the caller ID when completing a semi-attended transfer. 0-Off，1-On Example: <P3202>0</P3202> <Transfer_Semi_AttendedTransfer>1</Transfer_Semi_AttendedTransfer>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Transfer Settings->Transfer Semi Attended Transfer
Phone UI	Blank

Parameter Example	<P3204>$AttendedTransferOnHook$</P3204> <Transfer_AttendedTransferOnHook>$AttendedTransferOnHook$ </Transfer_AttendedTransferOnHook>
P Value Format	P3204
Description	It decides whether to enable the IP phone to complete the semi-attended/attended transfer through on-hook besides pressing the Tran/Transfer soft key or TRAN/TRANSFER key. 0-Off，1-On Example: <P3204>0</P3204> <Transfer_AttendedTransferOnHook>1</Transfer_AttendedTransferOnHook>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Transfer Settings->Attended Transfer On Hook
Phone UI	Blank
Parameter Example	<P3205>$TransferModeviaDSSkey$</P3205> <Transfer_TransferModeviaDSSkey>$TransferModeviaDSSkey$ </Transfer_TransferModeviaDSSkey>
P Value Format	P3205
Description	It configures what function the DSS key will perform when user presses the DSS key during an active call. To use this feature, you need to configure the DSS key as a speed dial, transfer or BLF/BLF List in advance. 0-Attended Transfer，1-Blind Transfer，2-New Call Example: <P3205>0</P3205> <Transfer_TransferModeviaDSSkey>1</Transfer_TransferModeviaDSSkey>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Setting->Features->Transfer Settings->Transfer Mode via DSSkey
Phone UI	Blank
Parameter Example	<P3207>$HoldTransferOnHook$</P3207> <Transfer_HoldTransferOnHook>$HoldTransferOnHook$</Transfer_HoldTransferOnHook>
P Value Format	P3207
Description	It decides whether to enable the function that the phone can hold transfer on hook. 0-Off，1-On Example: <P3207>0</P3207> <Transfer_HoldTransferOnHook>1</Transfer_HoldTransferOnHook>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Transfer Settings->Hold Transfer On Hook
Phone UI	Blank
Parameter Example	<P25002>$Transfer_TransferCodeControl$</P25002> <Transfer_TransferCodeControl>$Transfer_TransferCodeControl$ </Transfer_TransferCodeControl>
P Value Format	P25002
Description	It decides whether enable transfer vode control. 0-On，1-Off Example: <P25002>0</P25002> <Transfer_TransferCodeControl>0</Transfer_TransferCodeControl>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Transfer Settings->Transfer Code Control
Phone UI	Blank
Parameter Example	<P25003>$Transfer_AttendTransferCode$</P25003> <Transfer_AttendTransferCode>$Transfer_AttendTransferCode$ </Transfer_AttendTransferCode>
P Value Format	P25003

Description	It configures the attend transfer code. Example: <P25003>*8</P25003> <Transfer_AttendTransferCode>*8</Transfer_AttendTransferCode>
Permitted Values	string;maxlength: 0-63
Default	0
Web UI	Setting->Features->Transfer Settings->Attend Transfer Code
Phone UI	Blank
Parameter Example	<P25004>$Transfer_BlindTransferCode$</P25004> <Transfer_BlindTransferCode>$Transfer_BlindTransferCode$ </Transfer_BlindTransferCode>
P Value Format	P25004
Description	It configures the blind transfer code. Example: <P25004>*8</P25004> <Transfer_BlindTransferCode>*8</Transfer_BlindTransferCode>
Permitted Values	string;maxlength: 0-63
Default	0
Web UI	Setting->Features->Transfer Settings->Blind Transfer Code
Phone UI	Blank
Parameter Example	<P24785>$TrsRelSetting$</P24785> <ProfileX_TrsRelSetting>$TrsRelSetting$</ProfileX_TrsRelSetting>
TXT Type Format	Profile1_TrsRelSetting, Profile2_TrsRelSetting, Profile3_TrsRelSetting …
P Value Format	P24785, P24786, P24787, P24788, P24789, P24790
Description	It configures the type of the transfer release trigger. 0-NOTIFY with 200OK，1-2xx response of REFER，2-BYE for the call Example: <P24785>0</P24785> <Profile1_TrsRelSetting>1</Profile1_TrsRelSetting> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Basic->Transfer Release Trigger
Phone UI	Blank

Call pickup

Parameter Example	<P24018>$CallPickup_Mode$</P24018> <CallPickup_Mode>$CallPickup_Mode$</CallPickup_Mode>
P Value Format	P24018
Description	It configures the call pickup mode. 0-XSI，1-FAC Example: <P24018>0</P24018> <CallPickup_Mode>1</CallPickup_Mode>
Permitted Values	List [0,1]
Default	1
Web UI	Setting->Features->Call Park->Call Pickup Mode
Phone UI	Blank
Parameter Example	<P4701>$DirectCallPickup$</P4701> <CallPickup_DirectCallPickup>$DirectCallPickup$</CallPickup_DirectCallPickup>
P Value Format	P4701

Description	It decides whether to enable the direct call pickup. 0-Disable，1-Enable Example: <P4701>0</P4701> <CallPickup_DirectCallPickup>1</CallPickup_DirectCallPickup>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Pickup->Direct Call Pickup
Phone UI	Blank
Parameter Example	<P4745>$DirectCallPickupCode$</P4745> <CallPickup_DirectCallPickupCode>$DirectCallPickupCode$ </CallPickup_DirectCallPickupCode>
P Value Format	P4745
Description	It configures the direct call pickup code. Example: <P4745>**</P4745> <CallPickup_DirectCallPickupCode>**</CallPickup_DirectCallPickupCode>
Permitted Values	string;maxlength: 0-42
Default	Blank
Web UI	Setting->Features->Call Pickup->Direct Call Pickup Code
Phone UI	Blank
Parameter Example	<P4702>$GroupCallPickup$</P4702> <CallPickup_GroupCallPickup>$GroupCallPickup$</CallPickup_GroupCallPickup>
P Value Format	P4702
Description	It decides whether to enable the group call pickup. 0-Disable，1-Enable Example: <P4702>0</P4702> <CallPickup_GroupCallPickup>1</CallPickup_GroupCallPickup>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Pickup->Group Call Pickup
Phone UI	Blank
Parameter Example	<P4746>$GroupCallPickupCode$</P4746> <CallPickup_GroupCallPickupCode>$GroupCallPickupCode$ </CallPickup_GroupCallPickupCode>
P Value Format	P4746
Description	It configures the group call pickup code. Example: <P4746>*10</P4746> <CallPickup_GroupCallPickupCode>*10</CallPickup_GroupCallPickupCode>
Permitted Values	string;maxlength: 0-42
Default	Blank
Web UI	Setting->Features->Call Pickup->Group Call Pickup Code
Phone UI	Blank
Parameter Example	<P4703>$VisualAlertForBLFPickup$</P4703> <CallPickup_VisualAlertForBLFPickup>$VisualAlertForBLFPickup$ </CallPickup_VisualAlertForBLFPickup>
P Value Format	P4703
Description	It decides whether to enable visual alert for BLF pickup. 0-Disable，1-Enable Example: <P4703>0</P4703> <CallPickup_VisualAlertForBLFPickup>1</CallPickup_VisualAlertForBLFPickup>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Call Pickup->Visual Alert for BLF Pickup
Phone UI	Blank

Parameter Example	<P4704>$AudioAlertForBLFPickup$</P4704> <CallPickup_AudioAlertForBLFPickup>$AudioAlertForBLFPickup$ </CallPickup_AudioAlertForBLFPickup>
P Value Format	P4704
Description	It decides whether to enable audio alert for BLF pickup. 0-Disable，1-Enable Example: <P4704>0</P4704> <CallPickup_AudioAlertForBLFPickup>1</CallPickup_AudioAlertForBLFPickup>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Call Pickup->Audio Alert for BLF Pickup
Phone UI	Blank

Line key

Parameter Example	<P41200>$LineType$</P41200> <LineKeyX_Type>$LineType$</LineKeyX_Type>
TXT Type Format	LineKey1_Type, LineKey2_Type, LineKey3_Type …
P Value Format	P41200, P41201, P41202, P41203, P20200, P20205, P20210, P20215, P20220, P20225 P20230, P20235, P20240, P20245, P20250, P20255, P20260, P20265, P20270, P20275 P20280, P20285, P20290, P20295, P20300, P20305, P20310, P20315, P20320, P20325 P20330, P20335, P20340, P20345, P20350, P20355
Description	It configures the key feature. 0-N/A，1-Line，2-Speed Dial，3-BLF，4-BLF List，5-Voice Mail，6-Direct Pickup，7-Group Pickup， 8-Call Park，9-Intercom，10-DTMF，11-Prefix，12-Local Group，13-XML Group，14-XML Browser， 15-LDAP，17-Conference，18-Forward，19-Transfer，20-Hold，21-DND， 22-Redial，23-Call Return，24-SMS，25-Record，26-URL Record，27-Paging，28-Group Listening， 29-Public Hold，30-Private Hold，32-Hot Desking，33-ACD，34-Zero Touch，35-URL， 47-MultiCast Paging，51-Group Call Park，57-Silent Call Example: <P41200>0</P41200> <LineKey1_Type>0</LineKey1_Type> X range from: 1 ~ 36
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Line Key->LineKey Type
Phone UI	Features->Dsskey->Line->Enter->Type
Parameter Example	<P20600>$LineMode$</P20600> <LineKeyX_Mode>$LineMode$</LineKeyX_Mode>
TXT Type Format	LineKey1_Mode, LineKey2_Mode, LineKey3_Mode …
P Value Format	P20600, P20601, P20602, P20603, P20604, P20605, P20606, P20607, P20608, P20609 P20610, P20611, P20612, P20613, P20614, P20615, P20616, P20617, P20618, P20619 P20620, P20621, P20622, P20623, P20624, P20625, P20626, P20627, P20628, P20629 P20630, P20631, P20632, P20633, P20634, P20635
Description	It configures the key mode. 0-Default Example: <P20600>0</P20600> <LineKey1_Mode>0</LineKey1_Mode> X range from: 1 ~ 36

Permitted Values	List [0]
Default	0
Web UI	Function Keys->Line Key->LineKey Mode
Phone UI	Blank
Parameter Example	<P41300>$LineValue$</P41300> <LineKeyX_Value>$LineValue$</LineKeyX_Value>
TXT Type Format	LineKey1_Value, LineKey2_Value, LineKey3_Value …
P Value Format	P41300, P41301, P41302, P41303, P20201, P20206, P20211, P20216, P20221, P20226 P20231, P20236, P20241, P20246, P20251, P20256, P20261, P20266, P20271, P20276 P20281, P20286, P20291, P20296, P20301, P20306, P20311, P20316, P20321, P20326 P20331, P20336, P20341, P20346, P20351, P20356
Description	It configures the key value. Example: <P41300>**/P41300> <LineKey1_Value>**</LineKey1_Value> X range from: 1 ~ 36
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Keys->Line Key->LineKey Value
Phone UI	Features->Dsskey->Line->Enter->Type(BLF)->Value
Parameter Example	<P41400>$LineLabel$</P41400> <LineKeyX_Label>$LineLabel$</LineKeyX_Label>
TXT Type Format	LineKey1_Label, LineKey2_Label, LineKey3_Label …
P Value Format	P41400, P41401, P41402, P41403, P20202, P20207, P20212, P20217, P20222, P20227 P20232, P20237, P20242, P20247, P20252, P20257, P20262, P20267, P20272, P20277 P20282, P20287, P20292, P20297, P20302, P20307, P20312, P20317, P20322, P20327 P20332, P20337, P20342, P20347, P20352, P20357
Description	It configures the key label. Example: <P41400> Company </P41400> <LineKey1_Value> Company </LineKey1_Value> X range from: 1 ~ 36
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Keys->Line Key->LineKey Label
Phone UI	Features->Dsskey->Line->Enter->Type(BLF)->Label
Parameter Example	<P41500>$LineAccount$</P41500> <LineKeyX_Account>$LineAccout$</LineKeyX_Account>
TXT Type Format	LineKey1_Account, LineKey2_Account, LineKey3_Account …
P Value Format	P41500, P41501, P41502, P41503, P20203, P20208, P20213, P20218, P20223, P20228 P20233, P20238, P20243, P20248, P20253, P20258, P20263, P20268, P20273, P20278 P20283, P20288, P20293, P20298, P20303, P20308, P20313, P20318, P20323, P20328 P20333, P20338, P20343, P20348, P20353, P20358
Description	It configures the key account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7， 7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3, 63-remote phonebook 4，64-remote phonebook 5，255-Auto Example: <P41500>255</P41500> <LineKey1_Value>255</LineKey1_Value> X range from: 1 ~ 36
Permitted Values	List [See Declare]

Default	255
Web UI	Function Keys->Line Key->LineKey Account
Phone UI	Features->Dsskey->Line->Enter->Type(BLF)->Account ID
Parameter Example	<P41600>$LineExtension$</P41600> <LineKeyX_Extension>$LineExtension$</LineKeyX_Extension>
TXT Type Format	LineKey1_Extension, LineKey2_Extension, LineKey3_Extension …
P Value Format	P41600, P41601, P41602, P41603, P20204, P20209, P20214, P20219, P20224, P20229 P20234, P20239, P20244, P20249, P20254, P20259, P20264, P20269, P20274, P20279 P20284, P20289, P20294, P20299, P20304, P20309, P20314, P20319, P20324, P20329 P20334, P20339, P20344, P20349, P20354, P20359
Description	It configures the key extension. Example: <P41600> Company </P41600> <LineKey1_Extension> Company </LineKey1_Extension> X range from: 1 ~ 36
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Keys->Line Key->LineKey Extension
Phone UI	Features->Dsskey->Line->Enter->Type(BLF)->Pickup Code
Parameter Example	<P23401>$Enable$</P23401> <LineKey_LongPressFunction>$Enable$</LineKey_LongPressFunction>
P Value Format	P23401
Description	It configures long press linekey will enter linekey setting. 0-Disable，1-Enable Example: <P23401>1</P23401> <LineKey_LongPressFunction>1</LineKey_LongPressFunction>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24841>$HT_LINELED_SELECT_TYPE$</P24841> <LineSelectType>$HT_LINELED_SELECT_TYPE$</LineSelectType>
P Value Format	P24841
Description	To select the Current Line Led Mode. 0-Default, 1-Custom Example: <P24841>0</P24841> <LineSelectType>0</LineSelectType>
Permitted Values	List [0,1]
Default	0
Web UI	Settings->Line Settings->Line Selected Type
Phone UI	Blank
Parameter Example	<P24842>$HT_LINELED_CUR_STATUS$</P24842> <LineCurrentStatus_X>$HT_LINELED_CUR_STATUS$</LineCurrentStatus_X>
TXT Type Format	LineCurrentStatus_1,LineCurrentStatus_2,LineCurrentStatus_3...
P Value Format	P24842,P24843,P24844,P24845,P24846,P24878,P24879
Description	To Select the Status of current Line. 0-UNREGISTERED, 1-REGISTERED, 2-RINGING, 3-TALKING, 4-HOLD, 5-AVAILABLE, 6-UNAVAILABLE, Example: <P24842>0</P24842> <LineCurrentStatus_1>0</LineCurrentStatus_1>

Permitted Values	List [0 ~ 6]
Default	0；1；2；3；4；5；6
Web UI	Settings->Line Settings->Current Line Status
Phone UI	Blank
Parameter Example	<P24847>$HT_LINELED_MODE$</P24847> <LineLedMode_X>$HT_LINELED_MODE$</LineLedMode_X>
TXT Type Format	LineLedMode_1,LineLedMode_2,LineLedMode_3...
P Value Format	P24847,P24848,P24849,P24850,P24851,P24880,P24881
Description	To Select the Led Mode of current Line. 0-OFF 1-SOLID_RED, 2-SOLID_GREEN, 3-FLASHING_RED_1000, 4-FLASHING_RED_500, 5-FLASHING_RED_200, 6-FLASHING_RED_100, 7-FLASHING_GREEN_1000, 8-FLASHING_GREEN_500,9-FLASHING_GREEN_200, 10- FLASHING_GREEN_100 Example: <P24847>2</P24847> <LineLedMode_1>2</LineLedMode_1>
Permitted Values	List [0 ~ 10]
Default	0；6；2；8；2；2；2
Web UI	Settings->Line Settings->Line Led Mode
Phone UI	Blank

Directed call park

Parameter Example	<P20930>$CallPark_Flag$</P20930> <CallPark_Flag>$CallPark_Flag$</CallPark_Flag>
P Value Format	P20930
Description	Enable/Disable subscribing Call Park feature. 0-Disable, 1-Enable Example: <P20930>1</P20930> <CallPark_Flag>1</CallPark_Flag>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24017>$CallPark_Mode$</P24017> <CallPark_Mode>$CallPark_Mode$</CallPark_Mode>
P Value Format	P24017
Description	It configures the call park mode. 0-BW XSI，1-BW FAC，2-Transfer Example: <P24017>0</P24017> <CallPark_Mode>1</CallPark_Mode>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Setting->Features->Call Park->Call Park Mode
Phone UI	Blank

Parameter Example	<P24021>$ShowDPark$</P24021> <CallPark_ShowDPark>$ShowDPark$</CallPark_ShowDPark>
P Value Format	P24021
Description	It decides whether to enable the function that the phone can show direct call park . 0-Disable，1-Enable Example: <P24021>0</P24021> <CallPark_ShowDPark>1</CallPark_ShowDPark>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Park->Show Direct Call Park
Phone UI	Blank
Parameter Example	<P24022>$ShowGPark$</P24022> <CallPark_ShowGPark>$ShowGPark$</CallPark_ShowGPark>
P Value Format	P24022
Description	It decides whether to enable the function that the phone can show group call park. 0-Disable，1-Enable Example: <P24022>0</P24022> <CallPark_ShowGPark>1</CallPark_ShowGPark>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Park->Show Group Call Park
Phone UI	Blank
Parameter Example	<P24023>$VisualAlert$</P24023> <CallPark_VisualAlert>$VisualAlert$</CallPark_VisualAlert>
P Value Format	P24023
Description	It decides whether to enable visual alert for parked call. 0-Disable，1-Enable Example: <P24023>0</P24023> <CallPark_VisualAlert>1</CallPark_VisualAlert>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Park->Visual Alerrt For Parked Call
Phone UI	Blank
Parameter Example	<P24024>$AudioAlert$</P24024> <CallPark_AudioAlert>$AudioAlert$</CallPark_AudioAlert>
P Value Format	P24024
Description	It decides whether to enable audio alert for parked call. 0-Disable，1-Enable Example: <P24024>0</P24024> <CallPark_AudioAlert>1</CallPark_AudioAlert>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Call Park->Audio Alert For Parked Call
Phone UI	Blank
Parameter Example	<P24019>$DParkCode$</P24019> <CallPark_DParkCode>$DParkCode$</CallPark_DParkCode>
P Value Format	P24019
Description	It configures the direct call park code. Example: <P24019>*8</P24019> <CallPark_DParkCode>*8</CallPark_DParkCode>
Permitted Values	string;maxlength: 0-42
Default	Blank
Web UI	Setting->Features->Call Park->Direct Call Park Code
Phone UI	Blank
Parameter Example	<P24020>$GParkCode$</P24020> <CallPark_GParkCode>$GParkCode$</CallPark_GParkCode>

P Value Format	P24020
Description	It configures the group call park code. Example: <P24020>*8</P24020> <CallPark_GParkCode>*8</CallPark_GParkCode>
Permitted Values	string;maxlength: 0-42
Default	Blank
Web UI	Setting->Features->Call Park->Group Call Park Code
Phone UI	Blank
Parameter Example	<P24025>$ParkRetrieveCode$</P24025> <CallPark_ParkRetrieveCode>$ParkRetrieveCode$</CallPark_ParkRetrieveCode>
P Value Format	P24025
Description	It configures the park retrieve code. Example: <P24025>*86</P24025> <CallPark_ParkRetrieveCode>*86</CallPark_ParkRetrieveCode>
Permitted Values	string;maxlength: 0-42
Default	Blank
Web UI	Setting->Features->Call Park->Park Retrieve Code
Phone UI	Blank
Parameter Example	<P4705>$DirectCallPickupCode$</P4705> <AccountX_DirectCallPickupCode>$DirectCallPickupCode$ </AccountX_DirectCallPickupCode>
TXT Type Format	Account1_DirectCallPickupCode, Account2_DirectCallPickupCode, Account3_DirectCallPickupCode …
P Value Format	P4705, P4715, P4725, P4735, P20464, P20465, P24220, P24221, P24222, P24223, P24224, P24225, P24226, P24227, P24228, P24229
Description	It configures direct call pickup code for the phone. Example: <P4705>**</P4705> <Account1_DirectCallPickupCode>*11</Account1_DirectCallPickupCode> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Account->Basic->Direct Call Pickup Code
Phone UI	Blank
Parameter Example	<P4706>$GroupCallPickupCode$</P4706> <AccountX_GroupCallPickupCode>$GroupCallPickupCode$ </AccountX_GroupCallPickupCode>
TXT Type Format	Account1_GroupCallPickupCode, Account2_GroupCallPickupCode, Account3_GroupCallPickupCode …
P Value Format	P4706, P4716, P4726, P4736, P20466, P20467, P24230, P24231, P24232, P24233, P24234, P24235, P24236, P24237, P24238, P24239
Description	It configures group call pickup code for the phone. Example: <P4706>**</P4706> <AccountX_GroupCallPickupCode>*11</AccountX_GroupCallPickupCode> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-36
Default	Blank
Web UI	Account->Basic->Group Call Pickup Code
Phone UI	Blank

Call Back

Parameter Example	<P20984>$CallBackCode$</P20984> <Features_CallBackCode>$CallBackCode$</Features_CallBackCode>
P Value Format	P20984
Description	It configures the Callback code of the Callback. Example: <P20984>*04</P20984> <Features_CallBackCode>*04</Features_CallBackCode>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Setting->features->Callback->Callback Code
Phone UI	Blank
Parameter Example	<P24890>$CallBack_OffCode$</P24890> <CallBack_OffCode>$CallBack_OffCode$</CallBack_OffCode>
P Value Format	P24890
Description	It configures the Callback code of the Callback. Example: <P24890>*77</P24890> <CallBack_OffCode>*77</CallBack_OffCode>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Setting->Features->CallBack-> Callback Off Code
Phone UI	Blank

Caller display resource

Parameter Example	<P20157>$CallerDisplaySource$</P20157> <ProfileX_CallerDisplaySource>$CallerDisplaySource$</ProfileX_CallerDisplaySource>
TXT Type Format	Profile1_CallerDisplaySource, Profile2_CallerDisplaySource, Profile3_CallerDisplaySource …
P Value Format	P20157, P20158, P20159, P20160, P20161, P20162
Description	It configures the caller display source for the phone. 0-From Only，1-PAI-FROM，2-PAI-RPID-FROM，3-RPID-PAI-FROM，4-RPID-FROM Example: <P20157>0</P20157> <ProfileX_CallerDisplaySource>1</ProfileX_CallerDisplaySource> X range from: 1 ~ 6
Permitted Values	List [0 ~ 4]
Default	2
Web UI	Profile->Advanced->Caller Display Source
Phone UI	Blank

DTMF

Parameter Example	<P79>$DtmfPayloadType$</P79> <ProfileX_DtmfPayloadType>$DtmfPayloadType$</ProfileX_DtmfPayloadType>
TXT Type Format	Profile1_DtmfPayloadType, Profile2_DtmfPayloadType, Profile3_DtmfPayloadType …
P Value Format	P79, P779, P579, P679, P20416, P20417

Description	It configures the DTMF payload type for account. from 97 to 127， default is 101 Example: <P79>97</P79> <Profile1_DtmfPayloadType>127</Profile1_DtmfPayloadType> X range from: 1 ~ 6
Permitted Values	Int: 97-127
Default	101
Web UI	Profile->Advanced->DTMF Payload Type
Phone UI	Blank
Parameter Example	<P20166>$DtmfMode$</P20166> <ProfileX_DtmfMode>$DtmfMode$</ProfileX_DtmfMode>
TXT Type Format	Profile1_DtmfMode, Profile2_DtmfMode, Profile3_DtmfMode …
P Value Format	P20166, P20167, P20168, P20169, P20170, P20171
Description	It configures the DTMF type for account. 0-RFC2833，1-IN Audio，2-SIP INFO，3-Combined Example: <P20166>0</P20166> <Profile1_DtmfMode>3</Profile1_DtmfMode> X range from: 1 ~ 6
Permitted Values	List [0 ~ 3]
Default	0
Web UI	Profile->Advanced->DTMF Type
Phone UI	Blank
Parameter Example	<P20116>$SuppressDTMF$</P20116> <SuppressDTMF>$SuppressDTMF$</SuppressDTMF>
P Value Format	P20116
Description	Suppress DTMF tone. 0-Off,1-On Example: <P20116>0</P20116> <SuppressDTMF>1</SuppressDTMF>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Preference->Suppress DTMF Display
Phone UI	Blank
Parameter Example	<P20117>$SuppressDTMFDelay$</P20117> <SuppressDTMFDelay>$SuppressDTMFDelay$</SuppressDTMFDelay>
P Value Format	P20117
Description	Suppress DTMF delay. 0-On,1-Off Example: <P20117>1</P20117> <SuppressDTMFDelay>1</SuppressDTMFDelay>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Preference->Suppress DTMF Display Delay
Phone UI	Blank

SIP Send MAC

Parameter Example	<P20053>$SipSendMac$</P20053> <ProfileX_SipSendMac>$SipSendMac$</ProfileX_SipSendMac>
TXT Type	Profile1_SipSendMac, Profile2_SipSendMac, Profile3_SipSendMac …

Format	
P Value Format	P20053, P20054, P20055, P20056, P20474, P20475
Description	It decides whether to enable the function that the IP phone can add MAC address to the SIP header of the REGISTER message for account. 0-Disable，1-Enable Example: <P20053>0</P20053> <Profile1_SipSendMac>1</Profile1_SipSendMac> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->SIP Send Mac
Phone UI	Blank

Add MAC in User-Agent

Parameter Example	<P24809>$AddMACinUserAgentOnoff$</P24809> <Preference_AddMACinUserAgentOnoff>$AddMACinUserAgentOnoff$</Preference_AddMACinUserAgentOnoff>
P Value Format	P24809
Description	It decides whether to add MAC in User-Agent. 0-Disable，1-Enable Example: <P24809>1</P24809> <Preference_AddMACinUserAgentOnoff>1</Preference_AddMACinUserAgentOnoff>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Preference->Add MAC in User-Agent
Phone UI	Blank

Detect IP Conflict

Parameter Example	<P20943>$DetectIPConflict$</P20943> <Preference_DetectIPConflict>$DetectIPConflict$</Preference_DetectIPConflict>
P Value Format	P20943
Description	It configures whether to detect IP conflicts. 0-Disable,1-Enable Example: <P20943>1</P20943> <Preference_DetectIPConflict>1</Preference_DetectIPConflict>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Preference->Detect IP Conflict
Phone UI	Blank

Feature Key Sync

Parameter Example	<P8633>$FeatureKeySyn$</P8633> <AccountX_FeatureKeySyn>$FeatureKeySyn$</AccountX_FeatureKeySyn>
TXT Type Format	Account1_FeatureKeySyn, Account2_FeatureKeySyn, Account3_FeatureKeySyn …

P Value Format	P8633, P8634, P8635, P8656, P20468, P20469, P24240, P24241, P24242, P24243, P24244, P24245, P24246, P24247, P24248, P24249
Description	It decides whether to enbale feature key sync for the phone. 0-Disable，1-Enable Example: <P8633>0</P8633> <Accoun1_FeatureKeySyn>1</Account1_FeatureKeySyn> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Account->Basic->Feature Key Sync
Phone UI	Blank

Bluetooth

Parameter Example	<P20019>$HeadSetPriority$</P20019> <Preference_HeadSetPriority>$HeadSetPriority$</Preference_HeadSetPriority>
P Value Format	P20019
Description	It decides whether or not to enable the headset priority. 0-Disable，1-Enable Example: <P20019>0</P20019> <Preference_HeadSetPriority>0</Preference_HeadSetPriority>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->HeadSet Priority
Phone UI	Settings->Basic->Headset->Headset Priority
Parameter Example	<P20020>$RingerDeviceForHeadSet$</P20020> <Preference_RingerDeviceForHeadSet>$RingerDeviceForHeadSet$ </Preference_RingerDeviceForHeadSet>
P Value Format	P20020
Description	It configures the ringer device for headset. 0-Use Speaker，1-Use HeadSet，2-Speaker&Headset Example: <P20020>0</P20020> <Preference_RingerDeviceForHeadSet>0</Preference_RingerDeviceForHeadSet>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Setting->Preference->Ringer Device For Headset
Phone UI	Settings->Basic->Headset->Ringer Device
Parameter Example	<P23371>HT_BT_ACTIVE</P23371> <NW_BTActive>HT_BT_ACTIVE</NW_BTActive>
P Value Format	P23371
Description	To control if Enable the Bluetooth Feature. 0-Disable,1-Enable Example: <P23371>0</P23371> <NW_BTActive>0</NW_BTActive>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23381>$HT_BT_PINCODES$</P23381> <NW_BTPinCodes>$HT_BT_PINCODES$</NW_BTPinCodes>

P Value Format	P23381
Description	The value of default Bluetooth PIN Code Example: <P23381>0000</P23381> <NW_BTPinCodes>0000</NW_BTPinCodes>
Permitted Values	string;maxlength: 0-64
Default	0
Web UI	Blank
Phone UI	Blank

Alert Ring

Parameter Example	<P1399>$AlertInternalText$</P1399> <AlertRingTextX>$AlertInternalText$</AlertRingTextX>
TXT Type Format	AlertRingText1, AlertRingText2, AlertRingText3, AlertRingText4, AlertRingText5, AlertRingText6, AlertRingText7, AlertRingText8, AlertRingText9, AlertRingText10
P Value Format	P1399, P1400, P1401, P20059, P20060, P20061, P20062, P20063, P20064, P20065
Description	It configures alert ring text. Example：<P1399>RECEP</P1399> <AlertRingTextX>RECEP</AlertRingTextX> X range from: 1 ~ 10
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Setting->Features->Alert Ring->Alert Ring Text
Phone UI	Blank
Parameter Example	<P1402>$AlertRingFile$</P1402> <AlertRingFileX>$AlertRingFile$</AlertRingFileX>
TXT Type Format	AlertRingFile1, AlertRingFile2, AlertRingFile3, AlertRingFile4, AlertRingFile5, AlertRingFile6, AlertRingFile7, AlertRingFile8, AlertRingFile9, AlertRingFile10
P Value Format	P1402, P1403, P1404, P20066, P20067, P20068, P20069, P20070, P20071, P20072
Description	It configures alert ring file. 0-Default, 1-Ring1.bin, 2-Ring2.bin, 3-Ring3.bin, 4-Ring4.bin, 5-Ring5.bin, 6-Ring6.bin, 7-Ring7.bin, 8-Ring8.bin Example：<P1402>0</P1402> <AlertRingFile1>0</AlertRingFile1> X range from: 1 ~ 10
Permitted Values	List [0 ~ 8]
Default	Blank
Web UI	Setting->Features->Alert Ring->Alert Ring File
Phone UI	Blank

Tones

Parameter Example	<P20058>$ToneSelectCountry$</P20058> <ToneSelectCountry>$ToneSelectCountry$</ToneSelectCountry>
P Value Format	P20058
Description	It configures the country tone set for the IP phone. 0-Custom, 1-Australia, 2-Austria, 3-Brazil, 4-Belgium, 5-China, 6-Chile,7-Czech,8-Denmark, 9-Finland,10-France, 11-Germany, 12-Great Britain, 13-Greece, 14-Hungary, 15-Lithuania, 16-India,17-Italy, 18-Japan, 19-Mexico,20-New Zealand, 21-Netherlands, 22-Norway, 23-Portugal,24-Spain,25-Switzerland, 26-Sweden, 27-Russia, 28-United States Example: <P20058>0</P20058> <ToneSelectCountry>0</ToneSelectCountry>
Permitted Values	List [See Declare]

Default	0
Web UI	Setting->Tones
Phone UI	Blank
Parameter Example	<P4000>$DialTone$</P4000> <Tones_DialTone>$DialTone$</Tones_DialTone>
P Value Format	P4000
Description	It configures the dial tone of the phone. Example: <P4000>1=350@-13,f2=440@-13,c=0/0;</P4000> <Tones_DialTone>1=350@-13,f2=440@-13,c=0/0;</Tones_DialTone>
Permitted Values	string;maxlength: 0-256
Default	1=350@-13,f2=440@-13,c=0/0;
Web UI	Setting->Tones->Dial Tone
Phone UI	Blank
Parameter Example	<P4001>$RingbackTone$</P4001> <Tones_RingbackTone>$RingbackTone$</Tones_RingbackTone>
P Value Format	P4001
Description	It configures the ringback tone of the phone. Example: <P4001>f1=440@-19,f2=480@-19,c=2000/4000;</P4001> <Tones_RingbackTone>f1=440@-19,f2=480@-19,c=2000/4000;</Tones_RingbackTone>
Permitted Values	string;maxlength: 0-256
Default	f1=440@-19,f2=480@-19,c=2000/4000;
Web UI	Setting->Tones->Ringback Tone
Phone UI	Blank
Parameter Example	<P4002>$BusyTone$</P4002> <Tones_BusyTone>$BusyTone$</Tones_BusyTone>
P Value Format	P4002
Description	It configures busy tone of the phone. Example: <P4002>f1=480@-24,f2=620@-24,c=500/500;</P4002> <Tones_BusyTone>f1=480@-24,f2=620@-24,c=500/500;</Tones_BusyTone>
Permitted Values	string;maxlength: 0-256
Default	f1=480@-24,f2=620@-24,c=500/500;
Web UI	Setting->Tones->Busy Tone
Phone UI	Blank
Parameter Example	<P4003>$ReorderTone$</P4003> <Tones_ReorderTone>$ReorderTone$</Tones_ReorderTone>
P Value Format	P4003
Description	It configures the reorder tone of the phone. Example: <P4003>f1=480@-24,f2=620@-24,c=250/250;</P4003> <Tones_ReorderTone>f1=480@-24,f2=620@-24,c=250/250;</Tones_ReorderTone>
Permitted Values	string;maxlength: 0-256
Default	f1=480@-24,f2=620@-24,c=250/250;
Web UI	Setting->Tones->Reorder Tone
Phone UI	Blank
Parameter Example	<P4004>$ConfirmationTone$</P4004> <Tones_ConfirmationTone>$ConfirmationTone$</Tones_ConfirmationTone>
P Value Format	P4004
Description	It configures the confirmation tone of the phone. Example: <P4004>f1=350@-11,f2=440@-11,c=100/100-100/100-100/100;</P4004> <Tones_ConfirmationTone>f1=350@-11,f2=440@-11,c=100/100-100/100-100/100;</Tones_ConfirmationTone>
Permitted Values	string;maxlength: 0-256
Default	f1=350@-11,f2=440@-11,c=100/100-100/100-100/100;
Web UI	Setting->Tones->Confirmation Tone
Phone UI	Blank

Parameter Example	<P4005>$CallWaitingTone$</P4005> <Tones_CallWaitingTone>$CallWaitingTone$</Tones_CallWaitingTone>
P Value Format	P4005
Description	It configures the call waiting tone of the phone. Example: <P4005>f1=440@-13,c=300/10000-300/10000-0/0;</P4005> <Tones_CallWaitingTone>f1=440@-13,c=300/10000-300/10000-0/0;</Tones_CallWaitingTone>
Permitted Values	string;maxlength: 0-256
Default	f1=440@-13,c=300/10000-300/10000-0/0;
Web UI	Setting->Tones->Call Waiting Tone
Phone UI	Blank

AP Phonebook

Parameter Example	<P331>$ServerPath$</P331> <PhonebookXmlDownload_ServerPath>$ServerPath$</PhonebookXmlDownload_ServerPath>
P Value Format	P331
Description	It Configures the phonebook XML server path. Example: <P331>192.168.0.121:81/phonebook</P331> <PhonebookXmlDownload_ServerPath>192.168.0.121:81/phonebook</PhonebookXmlDownload_ServerPath>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Phonebook XML Server Path
Phone UI	Blank
Parameter Example	<P332>$Interval$</P332> <PhonebookXmlDownload_Interval>$Interval$</PhonebookXmlDownload_Interval>
P Value Format	P332
Description	It Configures the phonebook Download Interval. Example: <P332>0</P332> <PhonebookXmlDownload_Interval>0</PhonebookXmlDownload_Interval>
Permitted Values	string;maxlength: 0-5
Default	0
Web UI	Management->AutoProvision->Phonebook Download Interval
Phone UI	Blank
Parameter Example	<P330>$Enable$</P330> <PhonebookXmlDownload_Enable>$Enable$</PhonebookXmlDownload_Enable>
P Value Format	P330
Description	Whether the phone goes to the server to download the latest AP, if you choose which protocol to choose. 0-no, 1-yes,HTTP, 2-yes,TFTP, 3-yes,FTP, 4-yes,HTTPS Example: <P330>0</P330> <PhonebookXmlDownload_Enable>0</PhonebookXmlDownload_Enable>
Permitted Values	List [0 ~ 4]
Default	0
Web UI	Management->AutoProvision->Phonebook XML Download->Phonebook Download Enable:
Phone UI	Blank

FRITZ!Box Phonebook Download

Parameter Example	<P24954>$ServerPath$</P24954> <FRITZ!Box_PB_XML_ServerPath>$ServerPath$</FRITZ!Box_PB_XML_ServerPath>

P Value Format	P24954
Description	It Configures the FRITZ!Box PB XML server path. Example: <P24954>192.168.0.121:81/phonebook</P24954> <FRITZ!Box_PB_XML_ServerPath>192.168.0.121:81/phonebook</FRITZ!Box_PB_XML_ServerPath>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->FRITZ!Box Phonebook Download->FRITZ!Box PB XML server path
Phone UI	Blank
Parameter Example	<P24955>$Interval$</P24955> <FRITZ!Box_PB_Download_Interval>$Interval$</FRITZ!Box_PB_Download_Interval>
P Value Format	P24955
Description	It Configures the FRITZ!Box Phonebook Download Interval. Example: <P24955>0</P24955> <FRITZ!Box_PB_Download_Interval>0</FRITZ!Box_PB_Download_Interval>
Permitted Values	string;maxlength: 0-5
Default	0
Web UI	Management->AutoProvision->FRITZ!Box Phonebook Download->Phonebook Download Interval
Phone UI	Blank

Remote phonebook

Parameter Example	<P4401>Url</P4401> <RemotePhoneBookX_Url>Url</RemotePhoneBookX_Url>
TXT Type Format	RemotePhoneBook1_Url, RemotePhoneBook2_Url, RemotePhoneBook3_Url, RemotePhoneBook4_Url,RemotePhoneBook5_Url
P Value Format	P4401, P4402, P4403, P4404, P4405
Description	It configures the Phone Book URL. Example: <P4401>http://192.168.0.200/phonebook/remotephonebook/Phonebook.xml</P4401> <RemotePhoneBook1_Url>http://192.168.0.200/phonebook/remotephonebook/Phonebook.xml</RemotePhoneBook1_Url> X range from: 1 ~ 5
Permitted Values	string;maxlength: 0-127
Default	Blank
Web UI	Directory->Remote PhoneBook
Phone UI	Directory->Remote Contacts
Parameter Example	<P3316>$Name$</P3316> <RemotePhoneBookX_Name>$Name$</RemotePhoneBookX_Name>
TXT Type Format	RemotePhoneBook1_Name, RemotePhoneBook2_Name, RemotePhoneBook3_Name, RemotePhoneBook4_Name,RemotePhoneBook5_Name
P Value Format	P3316, P3312, P3313, P3314, P3315

Description	It configures the Phone Book Name. Example: <P3316>PhoneBook</P3316> <RemotePhoneBook1_Name>PhoneBook</RemotePhoneBook1_Name> X range from: 1 ~ 5
Permitted Values	string;maxlength: 0-31
Default	Blank
Web UI	Directory->Remote PhoneBook
Phone UI	Directory->Remote Contacts
Parameter Example	<P23166>$time$</P23166> <UpdateRemotePhoneBook_time>$time$</UpdateRemotePhoneBook_time>
P Value Format	P23166
Description	It configures the Phone Book update time interval（Integer from 60 to 10080）. Example: <P23166>360</P23166> <UpdateRemotePhoneBook_time>360</UpdateRemotePhoneBook_time>
Permitted Values	string;maxlength: 0-5
Default	360
Web UI	Directory->Remote PhoneBook
Phone UI	Blank

LDAP

Parameter Example	<P5430>$NameFilter$</P5430> <LDAP_NameFilter>$NameFilter$</LDAP_NameFilter>
P Value Format	P5430
Description	If the inputs are characters ,device will go and search the contacts on the server. Example: <P5430>(cn=%)</P5430> <LDAP_NameFilter>(cn=%)</LDAP_NameFilter>
Permitted Values	string;maxlength: 0-127
Default	(cn=%)
Web UI	Directory->LDAP->LDAP Name Filter
Phone UI	Blank
Parameter Example	<P5431>$NumberFilter$</P5431> <LDAP_NumberFilter>$NumberFilter$</LDAP_NumberFilter>
P Value Format	P5431
Description	if the inputs are digits, device will go and search the contacts on the server. Example: <P5431>(|(telephoneNumber=%)(Mobile=%))</P5431> <LDAP_NumberFilter>(|(telephoneNumber=%)(Mobile=%))</LDAP_NumberFilter>
Permitted Values	string;maxlength: 0-127
Default	(|(telephoneNumber=%)(Mobile=%))
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P24916>$Mode$</P24916> <LDAP_TLSMode>$Mode$</LDAP_TLSMode>
P Value Format	P24916
Description	It configures LDAP protocol， 0-LDAP，1-LDAP with TLS, 2-LDAPS Example: <P24916>0</P24916> <LDAP_TLSMode>0</LDAP_TLSMode>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Directory->LDAP->LDAP TLS Mode
Phone UI	Blank
Parameter Example	<P5432>$ServerAddress$</P5432> <LDAP_ServerAddress>$ServerAddress$</LDAP_ServerAddress>
P Value Format	P5432

Description	LDAP server address (the value can be a domain name or IP address). Example: <P5432>192.168.0.200</P5432> <LDAP_ServerAddress>192.168.0.200</LDAP_ServerAddress>
Permitted Values	string;maxlength: 0-127
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5433>$Port$</P5433> <LDAP_Port>$Port$</LDAP_Port>
P Value Format	P5433
Description	It configures the LDAP server port. Example: <P5433>389</P5433> <LDAP_Port>389</LDAP_Port>
Permitted Values	string;maxlength: 0-16
Default	389
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5434>$Base$</P5434> <LDAP_Base>$Base$</LDAP_Base>
P Value Format	P5434
Description	It configures search the root directory of the server. Example: <P5434>dc=pbx,dc=com</P5434> <LDAP_Base>dc=pbx,dc=com</LDAP_Base>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5435>$UserName$</P5435> <LDAP_UserName>$UserName$</LDAP_UserName>
P Value Format	P5435
Description	It configures username for logging into the server. Example: <P5435>cn=admin,dc=pbx,dc=com</P5435> <LDAP_UserName>cn=admin,dc=pbx,dc=com</LDAP_UserName>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5436>$Password$</P5436> <LDAP_Password>$Password$</LDAP_Password>
P Value Format	P5436
Description	It configures password for logging into the server. Example: <P5436>Password</P5436> <LDAP_Password>Password</LDAP_Password>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5437>$Hits$</P5437> <LDAP_Max_Hits>$Hits$</LDAP_Max_Hits>
P Value Format	P5437
Description	It configures the maximum number of query results(The range is 1-32000). Example: <P5437>32000</P5437> <LDAP_Max_Hits>32000</LDAP_Max_Hits>
Permitted Values	string;maxlength: 0-16
Default	32000
Web UI	Directory->LDAP

Phone UI	Blank
Parameter Example	<P23136>$NameAttributes$</P23136> <LDAP_NameAttributes>$NameAttributes$</LDAP_NameAttributes>
P Value Format	P23136
Description	It configures the name attributes of each record will be returned by the server. Example: <P23136>cn sn</P23136> <LDAP_NameAttributes>cn sn</LDAP_NameAttributes>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P23137>$NumberAttributes$</P23137> <LDAP_NumberAttributes>$NumberAttributes$</LDAP_NumberAttributes>
P Value Format	P23137
Description	It configures the number attributes of each record will be returned by the LDAP server. Example: <P23137>mobile telephoneNumber</P23137> <LDAP_NumberAttributes>mobile telephoneNumber</LDAP_NumberAttributes>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5440>$DisplayName$</P5440> <LDAP_DisplayName>$DisplayName$</LDAP_DisplayName>
P Value Format	P5440
Description	It configures the type of display name of the search results, the value must start with '%' symbol. Example: <P5440>cn</P5440> <LDAP_DisplayName>cn</LDAP_DisplayName>
Permitted Values	string;maxlength: 0-63
Default	cn
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5442>$SearchDelay$</P5442> <LDAP_SearchDelay>$SearchDelay$</LDAP_SearchDelay>
P Value Format	P5442
Description	It configures the time to display the search results after inputting search information. Example: <P5442>0</P5442> <LDAP_SearchDelay>0</LDAP_SearchDelay>
Permitted Values	string;maxlength: 0-4
Default	Blank
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5441>$Protocol$</P5441> <LDAP_Protocol>$Protocol$</LDAP_Protocol>
P Value Format	P5441
Description	It configures the version of protocol. Example: <P5441>0</P5441> <LDAP_Protocol>0</LDAP_Protocol> 0-Version 2,1-Version 3
Permitted Values	List [0,1]
Default	0
Web UI	Directory->LDAP
Phone UI	Blank
Parameter Example	<P5443>$LookupForIncomingCall$</P5443> <LDAP_LookupForIncomingCall>$LookupForIncomingCall$ </LDAP_LookupForIncomingCall>
P Value Format	P5443

Description	It configures determines whether to search for a display name for an incoming call using LDAP. Example: <P5443>0</P5443> <LDAP_LookupForIncomingCall>0</LDAP_LookupForIncomingCall> 0-Off,1-On
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Directory->LDAP->LDAP Lookup For Call
Phone UI	Blank
Parameter Example	<P5444>$SortingResults$</P5444> <LDAP_SortingResults>$SortingResults$</LDAP_SortingResults>
P Value Format	P5444
Description	It configures to determine whether to use LDAP to sort results. Example: <P5444>0</P5444> <LDAP_SortingResults>0</LDAP_SortingResults> 0-Off,1-On
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Directory->LDAP->LDAP Sorting Results
Phone UI	Blank
Parameter Example	<P20990>$Time$</P20990> <LDAP_SyncTime>$Time$</LDAP_SyncTime>
P Value Format	P20990
Description	In minutes,0 means never Synchronize. Example: <P20990>0</P20990> <LDAP_SyncTime>0</LDAP_SyncTime>
Permitted Values	int: 0 ~ 9999
Default	0
Web UI	Directory->LDAP-> LDAP Synchronize Time(0~9999mins)
Phone UI	Blank

Directory Search

Parameter Example	<P25101>$List$</P25101> <Directory_CallingSearchList>$List$</Directory_CallingSearchList>
P Value Format	P25101
Description	It configures which phonebooks will be searched when dialing, ex: Local,History,Ldap,Remote,Network Example: <P25101>Local,History,</P25101> <Directory_CallingSearchList>Local,History,</Directory_CallingSearchList>
Permitted Values	string;maxlength: 0-128
Default	Local,History,
Web UI	Directory->Settings->Search Source List In Dialing->Enable
Phone UI	Blank
Parameter Example	<P25103>$Enable$</P25103> <Directory_RecentCallInDialing>$Enable$</Directory_RecentCallInDialing>
P Value Format	P25103
Description	It configures whether to search for recent contacts when dialing. Example: <P25103>1</P25103> <Directory_RecentCallInDialing>1</Directory_RecentCallInDialing>
Permitted Values	List [0 ~ 1]
Default	1
Web UI	Directory->Settings->Recent Call In Dialing

Phone UI	Blank
Parameter Example	<P24775>$hlTextScrollSpeed$</P24775> <hlTextScrollSpeed>$hlTextScrollSpeed$</hlTextScrollSpeed>
P Value Format	P24775
Description	Set the Directory Search Speed. 1-slow,2-medium,3-fast Example: <P24775>1</P24775> <hlTextScrollSpeed>1</hlTextScrollSpeed>
Permitted Values	Bool: 1 ~ 3
Default	1
Web UI	Blank
Phone UI	Blank

Directory MetaSwitch

Parameter Example	<P24750>$MSComPt_Host$</P24750> <MSComPt_Host>$MSComPt_Host$</MSComPt_Host>
P Value Format	P24750
Description	MetaSwitchCommPortal server address (the value can be a domain name or IP address). Example: <P24750>10.2.0.60</P24750> <MSComPt_Host>10.2.0.60</MSComPt_Host>
Permitted Values	string;maxlength: 0-127
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24751>$MSComPt_Version$</P24751> <MSComPt_Version>$MSComPt_Version$</MSComPt_Version>
P Value Format	P24751
Description	This is the version number. For MetaSphere EAS V9.4, this should be set to 9.4. If you use a value on this parameter that is not supported by the CommPortal server, you will see an error message. Example: <P24751>8.3.10</P24751> <MSComPt_Version>8.3.10</MSComPt_Version>
Permitted Values	string;maxlength: 0-15
Default	8.3.10
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24752>$MSComPt_HostType$</P24752> <MSComPt_HostType>$MSComPt_HostType$</MSComPt_HostType>
P Value Format	P24752
Description	It configures the access protocol of the MetaSwitchCommPortal server. Example: <P24752>0</P24752> <MSComPt_HostType>0</MSComPt_HostType>
Permitted Values	unsigned short: 0~1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24753>$MSComPt_UserName$</P24753> <MSComPt_UserName>$MSComPt_UserName$</MSComPt_UserName>
P Value Format	P24753

Description	It configures the MetaSwitchCommPortal server user name used to authenticate the phone. Leave it blank if no authentication is required. Example: <P24753>admin</P24753> <MSComPt_UserName>admin</MSComPt_UserName>
Permitted Values	string;maxlength: 0-127
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24754>$MSComPt_PassWord$</P24754> <MSComPt_PassWord>$MSComPt_PassWord$</MSComPt_PassWord>
P Value Format	P24754
Description	It configures the MetaSwitchCommPortal server password used to authenticate the phone. Leave it blank if no authentication is required. Example: <P24754>admin</P24754> <MSComPt_PassWord>admin</MSComPt_PassWord>
Permitted Values	string;maxlength: 0-127
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24800>$MetaSwPhoneApp_On$</P24800> <MetaSwPhoneApp_On>$TR069_AcsUrl$</MetaSwPhoneApp_On>
P Value Format	P24800
Description	If Yes, the phone will enable MetaSwPhoneApp feature. 0-No，1-Yes Example: <P24800>0</P24800> <MetaSwPhoneApp_On>0</MetaSwPhoneApp_On>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24801>$MetaSwPhoneApp_BoundAcount$</P24801> <MetaSwPhoneApp_BoundAcount>$MetaSwPhoneApp_BoundAcount$ </MetaSwPhoneApp_BoundAcount>
P Value Format	P24801
Description	It configures the bound account for MetaSwPhoneApp feature. Example: <P24801>0</P24801> <MetaSwPhoneApp_BoundAcount>0</MetaSwPhoneApp_BoundAcount>
Permitted Values	Int: 0~16
Default	-1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24802>$MetaSwPhoneApp_Dir_On$</P24802> <MetaSwPhoneApp_Dir_On>$MetaSwPhoneApp_Dir_On$</MetaSwPhoneApp_Dir_On>
P Value Format	P24802
Description	If Yes, the phone will enable MetaSwPhoneApp directory feature. 0-No，1-Yes Example: <P24802>0</P24802> <MetaSwPhoneApp_Dir_On>0</MetaSwPhoneApp_Dir_On>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24803>$MetaSwPhoneApp_DirBG_On$</P24803> <MetaSwPhoneApp_DirBG_On>$MetaSwPhoneApp_DirBG_On$ </MetaSwPhoneApp_DirBG_On>
P Value Format	P24803

Description	If Yes, the phone will enable MetaSwPhoneApp business group directory feature. 0-No，1-Yes Example: <P24803>0</P24803> <MetaSwPhoneApp_DirBG_On>0</MetaSwPhoneApp_DirBG_On>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24915>$MetaSwPhoneApp_DirBG_Pref$</P24915> <MetaSwPhoneApp_DirBG_Pref>$MetaSwPhoneApp_DirBG_Pref$ </MetaSwPhoneApp_DirBG_Pref>
P Value Format	P24915
Description	It configures the prefer show type for MetaSwPhoneApp business group directory feature. 0-intercom(extension), 1-number(long number) Example: <P24915>0</P24915> <MetaSwPhoneApp_DirBG_Pref>0</MetaSwPhoneApp_DirBG_Pref>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24804>$MetaSwPhoneApp_Calllist_On$</P24804> <MetaSwPhoneApp_Calllist_On>$MetaSwPhoneApp_Calllist_On$ </MetaSwPhoneApp_Calllist_On>
P Value Format	P24804
Description	If Yes, the phone will enable MetaSwPhoneApp calllist feature. 0-No，1-Yes Example: <P24804>0</P24804> <MetaSwPhoneApp_Calllist_On>0</MetaSwPhoneApp_Calllist_On>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24805>$MetaSwPhoneApp_VM_On$</P24805> <MetaSwPhoneApp_VM_On>$MetaSwPhoneApp_VM_On$</MetaSwPhoneApp_VM_On>
P Value Format	P24805
Description	If Yes, the phone will enable MetaSwPhoneApp voicemail feature. 0-No，1-Yes Example: <P24805>0</P24805> <MetaSwPhoneApp_VM_On>0</MetaSwPhoneApp_VM_On>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24806>$MetaSwPhoneApp_Acd_On$</P24806> <MetaSwPhoneApp_Acd_On>$MetaSwPhoneApp_Acd_On$</MetaSwPhoneApp_Acd_On>
P Value Format	P24806
Description	If Yes, the phone will enable MetaSwPhoneApp acd feature. 0-No，1-Yes Example: <P24806>0</P24806> <MetaSwPhoneApp_Acd_On>0</MetaSwPhoneApp_Acd_On>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank

Parameter Example	<P24807>$MetaSwPhoneApp_Acd_CheckInterval$</P24807> <MetaSwPhoneApp_Acd_CheckInterval>$MetaSwPhoneApp_Acd_CheckInterval$ </MetaSwPhoneApp_Acd_CheckInterval>
P Value Format	P24807
Description	It configures the inspection interval (in seconds) for MetaSwPhoneApp acd feature. 0-No，1-Yes Example: <P24807>5</P24807> <MetaSwPhoneApp_Acd_CheckInterval>5</MetaSwPhoneApp_Acd_CheckInterval>
Permitted Values	Int: 5 ~ 3600
Default	5
Web UI	Blank
Phone UI	Blank

BLF Type

Parameter Example	<P20085>$BLFSelectType$</P20085> <BLFSelectType>$BLFSelectType$</BLFSelectType>
P Value Format	P20085
Description	It configures the type of the BLF Selected. 0-Default，1-Custom Example: <P20085>0</P20085> <BLFSelectType>0</BLFSelectType>
Permitted Values	List [0,1]
Default	0
Web UI	Setting->BLF Settings->BLF Selected Type
Phone UI	Blank
Parameter Example	<P20086>$CurrentCallStatus$</P20086> <CurrentCallStatus_X>$CurrentCallStatus$</CurrentCallStatus_X>
TXT Type Format	CurrentCallStatus_1,CurrentCallStatus_2 ... CurrentCallStatus_7
P Value Format	P20086,P20087,P20088,P20089,P20090,P20091,P20092
Description	Select the current call status. Using with BLF Status together. 0-Idle,1-Incoming Call,2-Dialing,3-Talking,4-Hold,5-Parked,6-Off Line Example: <P20086>0</P20086> <CurrentCallStatus_1>0</CurrentCallStatus_1> X range from: 1 ~ 7
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->BLF Settings->Current Call Status
Phone UI	Blank
Parameter Example	<P20096>$BlfStatusText$</P20096> <BlfStatusText_X>$BlfStatusText$</BlfStatusText_X>
TXT Type Format	BlfStatusText_1,BlfStatusText_2 ... BlfStatusText_7
P Value Format	P20096,P20097,P20098,P20099,P20100,P20101,P20102,
Description	It configures the BLF status text. This should corresponding with the SIP Notify message which Server send to the phone. Example: <P20096>terminated</P20096> <BlfStatusText_1>terminated</BlfStatusText_1> X range from: 1 ~ 7
Permitted Values	string;maxlength: 0-32
Default	terminated
Web UI	Setting->BLF Settings->BLF Status Text
Phone UI	Blank

Parameter Example	<P20106>$BlfLedMode$</P20106> <BlfLedMode_X>$BlfLedMode$</BlfLedMode_X>
TXT Type Format	BlfLedMode_1,BlfLedMode_2 ... BlfLedMode_7
P Value Format	P20106,P20107,P20108,P20109,P20110,P20111,P20112
Description	Select BLF led mode. This should using with Current Call Status together. 0-Led Off,1-Solid Red,2-Solid Green,3-Flashing Red 1s,4-Flashing Red 0.5s,5-Flashing Red 0.2s,6-Flashing Red 0.1s,7-Flashing Green 1s,8-Flashing Green 0.5s,9-Flashing Green 0.2s,10-Flashing Green 0.1s Example: <P20106>2</P20106> <BlfLedMode_1>2</BlfLedMode_1> X range from: 1 ~ 7
Permitted Values	List [0 ~ 10]
Default	2
Web UI	Setting->BLF Settings->BLF Led Mode
Phone UI	Blank

BLF List Key and Mode

Parameter Example	<P24010>$BLFlistAutoSet$</P24010> <BLFlistAutoSet>$BLFlistAutoSet$</BLFlistAutoSet>
P Value Format	P24010
Description	Auto configure BLF lsit to the available DSS keys. 0-Manually,1-Automatically,2-Auto Expansion Priority Example: <P24010>0</P24010> <BLFlistAutoSet>0</BLFlistAutoSet>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Function Keys->Line Key->BLF list MODE
Phone UI	Blank

SCA

Parameter Example	<P20976>$SCABargeIn$</P20976> <AccountX_SCABargeIn>$SCABargeIn$</AccountX_SCABargeIn>
TXT Type Format	Account1_SCABargeIn, Account2_SCABargeIn, Account3_SCABargeIn …
P Value Format	P20976, P20977, P20978, P20979, P20980, P20981, P24210, P24211, P24212, P24213, P24214, P24215, P24216, P24217, P24218, P24219
Description	It decides whether to enable the SCA Barge-In feature. 0-Disable，1-Enable Example: <P20976>0</P20976> <Account1_SCABargeIn>1</Accoun1_SCABargeIn> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Account->Basic->SCA Barge-In
Phone UI	Blank

Subscribe for MWI

Parameter Example	<P99>$SubscribeForMWI$</P99> <ProfileX_SubscribeForMWI>$SubscribeForMWI$</ProfileX_SubscribeForMWI>
TXT Type Format	Profile1_SubscribeForMWI, Profile2_SubscribeForMWI, Profile3_SubscribeForMWI …
P Value Format	P99, P709, P515, P615, P1715, P1815
Description	It decides whether to enable function that the phonecan subscribe the message waiting indicator for account 0-No, do not send SUBSCRIBE for Message Waiting Indication 1-Yes, send periodic SUBSCRIBE for Message Waiting Indication Example: <P99>0</P99> <Profile1_SubscribeForMWI>0</Profile1_SubscribeForMWI> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Subscribe For MWI
Phone UI	Blank
Parameter Example	<P24759>$SubscribeMWIToVoiceMail$</P24759> <ProfileX_SubscribeMWIToVoiceMail>$SubscribeMWIToVoiceMail$ </ProfileX_SubscribeMWIToVoiceMail>
TXT Type Format	Profile1_SubscribeMWIToVoiceMail, Profile2_SubscribeMWIToVoiceMail, Profile3_SubscribeMWIToVoiceMail …
P Value Format	P24759, P24761, P24763, P24765, P24767, P24769
Description	It decides whether to enable the function that the phone can subscribe the message waiting indicator to the voice mail number for account. 0-No，1-Yes Example: <P24759>0</P24759> <Profile1_SubscribeMWIToVoiceMail>1</Profile1_SubscribeMWIToVoiceMail> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Subscribe MWI To Voice Mail
Phone UI	Blank

Multicast Codec

Parameter Example	<P20164>$MulticatCodec$</P20164> <MulticastPaging_MulticatCodec>$MulticatCodec$</MulticastPaging_MulticatCodec>
P Value Format	P20164
Description	It is configured to select Multicast Codec. 18-G.729A/B,0-PCMU,8-PCMA,9-G.722(wide band) Example: <P20164>0</P20164> <MulticastPaging_MulticatCodec>0</MulticastPaging_MulticatCodec>
Permitted Values	List [18,0,8,9]
Default	0
Web UI	Directory->MultiCast Paging->Multicast Codec
Phone UI	Blank

Multicast Paging

Parameter Example	<P20041>$Barge$</P20041> <MulticastPaging_Barge>$Barge$</MulticastPaging_Barge>
P Value Format	P20041
Description	Configure the Barging level of the multicast paging. The lower the number, the higher the level. 0-Disable,1-1,2-2,3-3,4-4,5-5,6-6,7-7,8-8,9-9,10-10 Example: <P20041>0</P20041> <MulticastPaging_Barge>0</MulticastPaging_Barge>
Permitted Values	List [0 ~ 10]
Default	0
Web UI	Directory->MultiCast Paging
Phone UI	Blank
Parameter Example	<P20021>$Value$</P20021> <MulticastPagingX_Value>$Value$</MulticastPagingX_Value>
TXT Type Format	MulticastPaging1_Value,MulticastPaging2_Value.....MulticastPaging10_Value
P Value Format	P20021,P20023,P20025,P20027,P20029,P20031,P20033,P20035,P20037,P20039
Description	It configures the Listening address of the Multicast paging. Example: <P20021>224.0.1.75:5000</P20021> <MulticastPaging1_Value>224.0.1.75:5000</MulticastPaging1_Value> X range from: 1 ~ 10
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Directory->MultiCast Paging
Phone UI	Blank
Parameter Example	<P20022>$Label$</P20022> <MulticastPagingX_Label>$Label$</MulticastPagingX_Label>
TXT Type Format	MulticastPaging1_Label,MulticastPaging2_Label.....MulticastPaging10_Label
P Value Format	P20022,P20024,P20026,P20028,P20030,P20032,P20034,P20036,P20038,P20040
Description	It configures the label of the Multicast paging. Example: <P20022>MP</P20022> <MulticastPaging1_Label>MP</MulticastPaging1_Label> X range from: 1 ~ 10
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Directory->MultiCast Paging
Phone UI	Blank
Parameter Example	<P23208>$Volume$</P23208> <MulticastPaging_RevSpeakerVolume>$Volumetive$</MulticastPaging_RevSpeakerVolume>
P Value Format	P23208
Description	It configures the multimast paging speaker volume. 0-Disable,1-Enable Example: <P23208>10</P23208> <MulticastPaging_RevSpeakerVolume>10</MulticastPaging_RevSpeakerVolume>
Permitted Values	int: 0 ~ 14
Default	10
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23209>$BeepType$</P23209> <MulticastPaging_BeepType>$BeepType$</MulticastPaging_BeepType>
P Value Format	P23209

Description	It configures the multimast paging speaker volume. 0-Disable,1-Enable Example: <P23209>0</P23209> <MulticastPaging_BeepType>0</MulticastPaging_BeepType>
Permitted Values	int: 0 ~ 4
Default	0
Web UI	Blank
Phone UI	Blank

Paging Priority Active

Parameter Example	<P20042>$PriorityActive$</P20042> <MulticastPaging_PriorityActive>$PriorityActive$</MulticastPaging_PriorityActive>
P Value Format	P20042
Description	It configures whether to enable multicast paging priority Active. 0-Disable,1-Enable Example: <P20042>0</P20042> <MulticastPaging_PriorityActive>0</MulticastPaging_PriorityActive>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Directory->MultiCast Paging
Phone UI	Blank

Action URL

Parameter Example	<P3701>$SetupCompleted$</P3701> <ActionUrl_SetupCompleted>$SetupCompleted$</ActionUrl_SetupCompleted>
P Value Format	P3701
Description	When the phone has started up,this message will be sent out. Example: <P3701>example</P3701> <ActionUrl_SetupCompleted>example</ActionUrl_SetupCompleted>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3702>$Registered$</P3702> <ActionUrl_Registered>$LogOn$</ActionUrl_Registered>
P Value Format	P3702
Description	When an account is registered successfully , the message will be sent out. Example: <P3702>example</P3702> <ActionUrl_Registered>example</ActionUrl_Registered>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3703>$Unregistered$</P3703> <ActionUrl_Unregistered>$LogOff$</ActionUrl_Unregistered>
P Value Format	P3703
Description	When a registered account is logged out , the message will be sent out. Example: <P3703>example</P3703> <ActionUrl_Unregistered>example</ActionUrl_Unregistered>
Permitted Values	string;maxlength: 0-1023
Default	Blank

Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3704>$RegisterFailed$</P3704> <ActionUrl_RegisterFailed>$RegisterFailed$</ActionUrl_RegisterFailed>
P Value Format	P3704
Description	when an account registration fails , the message will be sent out. Example: <P3704>example</P3704> <ActionUrl_RegisterFailed>example</ActionUrl_RegisterFailed>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3705>$OffHook$</P3705> <ActionUrl_OffHook>$OffHook$</ActionUrl_OffHook>
P Value Format	P3705
Description	When the phone goes off-hook , the message will be sent out. Example: <P3705>example</P3705> <ActionUrl_OffHook>example</ActionUrl_OffHook>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3706>$OnfHook$</P3706> <ActionUrl_OnfHook>$OnfHook$</ActionUrl_OnfHook>
P Value Format	P3706
Description	When the phone goes on-hook , the message will be sent out. Example: <P3706>example</P3706> <ActionUrl_OnfHook>example</ActionUrl_OnfHook>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3707>$IncomingCall$</P3707> <ActionUrl_IncomingCall>$IncomingCall$</ActionUrl_IncomingCall>
P Value Format	P3707
Description	When the phone receives an incoming call, the message will be sent out. Example: <P3707>example</P3707> <ActionUrl_IncomingCall>example</ActionUrl_IncomingCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3708>$OutgoingCall$</P3708> <ActionUrl_OutgoingCall>$OutgoingCall$</ActionUrl_OutgoingCall>
P Value Format	P3708
Description	When the phone makes an outgoing call , the message will be sent out. Example: <P3708>example</P3708> <ActionUrl_OutgoingCall>example</ActionUrl_OutgoingCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3709>$CallEstablished$</P3709> <ActionUrl_CallEstablished>$CallEstablished$</ActionUrl_CallEstablished>
P Value Format	P3709

Description	When a call is built , the message will be sent out. Example: <P3709>example</P3709> <ActionUrl_CallEstablished>example</ActionUrl_CallEstablished>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3710>$CallTerminated$</P3710> <ActionUrl_CallTerminated>$CallTerminated$</ActionUrl_CallTerminated>
P Value Format	P3710
Description	When a call is end , the message will be sent out. Example: <P3710>example</P3710> <ActionUrl_CallTerminated>example</ActionUrl_CallTerminated>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3711>$OpenDND$</P3711> <ActionUrl_OpenDND>$OpenDND$</ActionUrl_OpenDND>
P Value Format	P3711
Description	When DND(Do Not Disturb) is enable , the message will be sent out. Example: <P3711>example</P3711> <ActionUrl_OpenDND>example</ActionUrl_OpenDND>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3712>$CloseDND$</P3712> <ActionUrl_CloseDND>$CloseDND$</ActionUrl_CloseDND>
P Value Format	P3712
Description	When DND(Do Not Disturb) is disable , the message will be sent out. Example: <P3712>example</P3712> <ActionUrl_CloseDND>example</ActionUrl_CloseDND>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3713>$OpenAlwaysForward$</P3713> <ActionUrl_OpenAlwaysForward>$OpenAlwaysForward$</ActionUrl_OpenAlwaysForward>
P Value Format	P3713
Description	When the Always-Forward feature is enabled , the message will be sent out. Example: <P3713>example</P3713> <ActionUrl_OpenAlwaysForward>example</ActionUrl_OpenAlwaysForward>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3714>$CloseAlwaysForward$</P3714> <ActionUrl_CloseAlwaysForward>$CloseAlwaysForward$</ActionUrl_CloseAlwaysForward>
P Value Format	P3714
Description	When you disable the always forward feature , the message will be sent out. Example: <P3714>example</P3714> <ActionUrl_CloseAlwaysForward>example</ActionUrl_CloseAlwaysForward>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL

Phone UI	Blank
Parameter Example	<P3715>$OpenBusyForward$</P3715> <ActionUrl_OpenBusyForward>$OpenBusyForward$</ActionUrl_OpenBusyForward>
P Value Format	P3715
Description	When the Forward-on-Busy feature is enabled , the message will be sent out. Example: <P3715>example</P3715> <ActionUrl_OpenBusyForward>example</ActionUrl_OpenBusyForward>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3716>$CloseBusyForward$</P3716> <ActionUrl_CloseBusyForward>$CloseBusyForward$</ActionUrl_CloseBusyForward>
P Value Format	P3716
Description	When the Forward-on-Busy feature is disabled , the message will be sent out. Example: <P3716>example</P3716> <ActionUrl_CloseBusyForward>example</ActionUrl_CloseBusyForward>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3717>$OpenNoAnswerForward$</P3717> <ActionUrl_OpenNoAnswerForward>$OpenNoAnswerForward$ </ActionUrl_OpenNoAnswerForward>
P Value Format	P3717
Description	When the Forward-on-No-Answer feature is enabled , the message will be sent out. Example: <P3717>example</P3717> <ActionUrl_OpenNoAnswerForward>example</ActionUrl_OpenNoAnswerForward>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3718>$CloseNoAnswerForward$</P3718> <ActionUrl_CloseNoAnswerForward>$CloseNoAnswerForward$ </ActionUrl_CloseNoAnswerForward>
P Value Format	P3718
Description	When the Forward-on-No-Answer feature is disabled , the message will be sent out. Example: <P3718>example</P3718> <ActionUrl_CloseNoAnswerForward>example</ActionUrl_CloseNoAnswerForward>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3719>$TransferCall$</P3719> <ActionUrl_TransferCall>$TransferCall$</ActionUrl_TransferCall>
P Value Format	P3719
Description	When the phone makes a transferring call(attend/semi-attend/blind transfer), the message will be sent out. Example: <P3719>example</P3719> <ActionUrl_TransferCall>example</ActionUrl_TransferCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3720>$BlindTrandfercall$</P3720> <ActionUrl_BlindTrandfercall>$BlindTrandfercall$</ActionUrl_BlindTrandfercall>

P Value Format	P3720
Description	When the phone makes a blind transfer call call, the message will be sent out. Example: <P3720>example</P3720> <ActionUrl_BlindTrandfercall>example</ActionUrl_BlindTrandfercall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3721>$AttendedTransferCall$</P3721> <ActionUrl_AttendedTransferCall>$AttendedTransferCall$</ActionUrl_AttendedTransferCall>
P Value Format	P3721
Description	When the phone makes a semi-attend transfer call call, the message will be sent out. Example: <P3721>example</P3721> <ActionUrl_AttendedTransferCall>example</ActionUrl_AttendedTransferCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3722>$Hold$</P3722> <ActionUrl_Hold>$Hold$</ActionUrl_Hold>
P Value Format	P3722
Description	When placing a call on hold , the message will be sent out. Example: <P3722>example</P3722> <ActionUrl_Hold>example</ActionUrl_Hold>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3723>$Unhold$</P3723> <ActionUrl_Unhold>$Unhold$</ActionUrl_Unhold>
P Value Format	P3723
Description	When picking up a call unhold, the message will be sent out. Example: <P3723>example</P3723> <ActionUrl_Unhold>example</ActionUrl_Unhold>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3724>$Mute$</P3724> <ActionUrl_Mute>$Mute$</ActionUrl_Mute>
P Value Format	P3724
Description	When muting a call, the message will be sent out. Example: <P3724>example</P3724> <ActionUrl_Mute>example</ActionUrl_Mute>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3725>$Unmute$</P3725> <ActionUrl_Unmute>$Unmute$</ActionUrl_Unmute>
P Value Format	P3725
Description	When unmuting a call, the message will be sent out. Example: <P3725>example</P3725> <ActionUrl_Unmute>example</ActionUrl_Unmute>
Permitted Values	string;maxlength: 0-1023
Default	Blank

Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3726>$MissedCall$</P3726> <ActionUrl_MissedCall>$MissedCall$</ActionUrl_MissedCall>
P Value Format	P3726
Description	Even if the missed call logs is disable, If there is a new missed call , the message will be sent out. Example: <P3726>example</P3726> <ActionUrl_MissedCall>example</ActionUrl_MissedCall>
Permitted Values	string;maxlength: 0-1023
Default	1
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3727>$IdleToBusy$</P3727> <ActionUrl_IdleToBusy>$IdleToBusy$</ActionUrl_IdleToBusy>
P Value Format	P3727
Description	It configures the action URL the IP phone sends when changing the state of the IP phone from idle to busy. Example: <P3727>example</P3727> <ActionUrl_IdleToBusy>example</ActionUrl_IdleToBusy>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3728>$BusyToIdel$</P3728> <ActionUrl_BusyToIdel>$BusyToIdel$</ActionUrl_BusyToIdel>
P Value Format	P3728
Description	It configures the action URL the IP phone sends when changing the state of the IP phone from busy to idle. Example: <P3728>example</P3728> <ActionUrl_BusyToIdel>example</ActionUrl_BusyToIdel>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3729>$ForwardIncomingCall$</P3729> <ActionUrl_ForwardIncomingCall>$ForwardIncomingCall$</ActionUrl_ForwardIncomingCall>
P Value Format	P3729
Description	When forwarding incoming call, the message will be sent out. Example: <P3729>example</P3729> <ActionUrl_ForwardIncomingCall>example</ActionUrl_ForwardIncomingCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3730>$RejectIncomingCall$</P3730> <ActionUrl_RejectIncomingCall>$RejectIncomingCall$</ActionUrl_RejectIncomingCall>
P Value Format	P3730
Description	When rejecting incoming call, the message will be sent out. Example: <P3730>example</P3730> <ActionUrl_RejectIncomingCall>example</ActionUrl_RejectIncomingCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank

Parameter Example	<P3731>$AnswerNewIncomingCall$</P3731> <ActionUrl_AnswerNewIncomingCall>$AnswerNewIncomingCall$ </ActionUrl_AnswerNewIncomingCall>
P Value Format	P3731
Description	When answering the new incoming call, the message will be sent out. Example: <P3731>example</P3731> <ActionUrl_AnswerNewIncomingCall>example</ActionUrl_AnswerNewIncomingCall>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3732>$TransferFinished$</P3732> <ActionUrl_TransferFinished>$TransferFinished$</ActionUrl_TransferFinished>
P Value Format	P3732
Description	When transferring sucessful, the message will be sent out. Example: <P3732>example</P3732> <ActionUrl_TransferFinished>example</ActionUrl_TransferFinished>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P3733>$TransfeFailed$</P3733> <ActionUrl_TransfeFailed>$TransfeFailed$</ActionUrl_TransfeFailed>
P Value Format	P3733
Description	When transferring failed, the message will be sent out. Example: <P3733>example</P3733> <ActionUrl_TransfeFailed>example</ActionUrl_TransfeFailed>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25077>$CallCompletedElsewhere$</P25077> <ActionUrl_CallCompletedElsewhere>$CallCompletedElsewhere$ </ActionUrl_CallCompletedElsewhere>
P Value Format	P25077
Description	When call completed elsewhere, the message will be sent out. Example: <P25077>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25077> <ActionUrl_CallCompletedElsewhere>http://10.2.0.60/$mac/$ip/$model/$firmware/ </ActionUrl_CallCompletedElsewhere>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25078>$IP_Changed$</P25078> <ActionUrl_IP_Changed>$IP_Changed$</ActionUrl_IP_Changed>
P Value Format	P25078
Description	When IP changed, the message will be sent out. Example: <P25078>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25078> <ActionUrl_IP_Changed>http://10.2.0.60/$mac/$ip/$model/$firmware/ </ActionUrl_IP_Changed>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25079>$AutopFinish$</P25079> <ActionUrl_AutopFinish>$AutopFinish$</ActionUrl_AutopFinish>

P Value Format	P25079
Description	When autoprovision is finished, the message will be sent out. Example: <P25079>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25079> <ActionUrl_AutopFinish>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_AutopFinish>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25080>$CallWaitingOn$</P25080> <ActionUrl_CallWaitingOn>$CallWaitingOn$</ActionUrl_CallWaitingOn>
P Value Format	P25080
Description	When call waiting is on, the message will be sent out. Example: <P25080>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25080> <ActionUrl_CallWaitingOn>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_CallWaitingOn>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25081>$CallWaitingOff$</P25081> <ActionUrl_CallWaitingOff>$CallWaitingOff$</ActionUrl_CallWaitingOff>
P Value Format	P25081
Description	When call waiting is off, the message will be sent out. Example: <P25081>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25081> <ActionUrl_CallWaitingOff>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_CallWaitingOff>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25082>$HeadsetPress$</P25082> <ActionUrl_HeadsetPress>$HeadsetPress$</ActionUrl_HeadsetPress>
P Value Format	P25082
Description	When headset is pressed, the message will be sent out. Example: <P25082>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25082> <ActionUrl_HeadsetPress>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_HeadsetPress>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25083>$HandsfreePress$</P25083> <ActionUrl_HandsfreePress>$HandsfreePress$</ActionUrl_HandsfreePress>
P Value Format	P25083
Description	When handsfree is pressed, the message will be sent out. Example: <P25083>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25083> <ActionUrl_HandsfreePress>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_HandsfreePress>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25084>$CancelCallOut$</P25084> <ActionUrl_CancelCallOut>$CancelCallOut$</ActionUrl_CancelCallOut>
P Value Format	P25084

Description	When cancel the outgoing call in the ring-back state, the message will be sent out. Example: <P25084>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25084> <ActionUrl_CancelCallOut>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_CancelCallOut>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25085>$RemoteBusy$</P25085> <ActionUrl_RemoteBusy>$RemoteBusy$</ActionUrl_RemoteBusy>
P Value Format	P25085
Description	When remote is busy, the message will be sent out. Example: <P25085>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25085> <ActionUrl_RemoteBusy>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_RemoteBusy>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25086>$CallRemoteCanceled$</P25086> <ActionUrl_CallRemoteCanceled>$CallRemoteCanceled$</ActionUrl_CallRemoteCanceled>
P Value Format	P25086
Description	When the remote party cancel the outgoing call in the ringing state, the message will be sent out. Example: <P25086>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25086> <ActionUrl_CallRemoteCanceled>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_CallRemoteCanceled>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25087>$PeripheralInformation$</P25087> <ActionUrl_PeripheralInformation>$PeripheralInformation$</ActionUrl_PeripheralInformation>
P Value Format	P25087
Description	When you unplug or plug the accessory, the message will be sent out. Example: <P25087>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25087> <ActionUrl_PeripheralInformation>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_PeripheralInformation>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25088>VPN_IP</P25088> <ActionUrl_VPN_IP>VPN_IP</ActionUrl_VPN_IP>
P Value Format	P25088
Description	When the IP address assigned by the VPN server is changed, the message will be sent out. Example: <P25088>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25088> <ActionUrl_VPN_IP>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_VPN_IP>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Setting->Action URL
Phone UI	Blank
Parameter Example	<P25107>$RemoteControl_HPT_Server$</P25107> <ActionUrl_RemoteControl_HPT_Server>$RemoteControl_HPT_Server$</ActionUrl_RemoteControl_HPT_Server>
P Value Format	P25107

Description	When the phone's register, dnd, forward status is changed, the message will be sent out. Example: <P25107>http://10.2.0.60/$mac/$ip/$model/$firmware/</P25107> <ActionUrl_RemoteControl_HPT_Server>http://10.2.0.60/$mac/$ip/$model/$firmware/</ActionUrl_RemoteControl_HPT_Server>
Permitted Values	string;maxlength: 0-1023
Default	Blank
Web UI	Blank
Phone UI	Blank

Profile

Parameter Example	<P47>$Sipsrever$</P47> <ProfileX_Sipserver>$Sipsrever$</ProfileX_Sipserver>
TXT Type Format	Profile1_Sipserver, Profile2_Sipserver, Profile3_Sipserver ...
P Value Format	P47, P747, P502, P602, P20362, P20363
Description	It configures the IP address or domain name of the SIP server in which the account is registered. Example: <P47>192.168.0.200</P47> <Profile1_Sipserver>192.168.0.200</Profile1_Sipserver> X range from: 1 ~ 6
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Profile->Basic->Primary SIP Server
Phone UI	Settings->Advanced->Profile->Primart SIP Server
Parameter Example	<P967>$FailoverSipserver$</P967> <ProfileX_FailoverSipserver>$FailoverSipserver$</ProfileX_FailoverSipserver>
TXT Type Format	Profile1_FailoverSipserver, Profile2_FailoverSipserver, Profile3_FailoverSipserver...
P Value Format	P967, P987, P988, P989, P20364, P20365
Description	It configures the IP address or domain name of the SIP server in which the account is registered.It will be used when primary server no response. Example: <P967>192.168.0.200</P967> <Profile1_FailoverSipserver>192.168.0.200</Profile1_FailoverSipserver> X range from: 1 ~ 6
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Profile->Basic->Failover SIP Server
Phone UI	Settings->Advanced->Profile->Failover SIP Server
Parameter Example	<P4567>$PreferPrimaryServer$</P4567> <ProfileX_PreferPrimaryServer>$PreferPrimaryServer$</ProfileX_PreferPrimaryServer>
TXT Type Format	Profile1_PreferPrimaryServer, Profile2_PreferPrimaryServer, Profile3_PreferPrimaryServer …
P Value Format	P4567, P4568, P4569, P4570, P20368, P20369

Description	If Yes,it will register to Primary Server if Failover registration expires. 0-No, 1-Yes Example: <P4567>0</P4567> <Profile1_PreferPrimaryServer>1</Profile1_PreferPrimaryServer> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Basic->Prefer Primary SIP Server
Phone UI	Blank
Parameter Example	<P24065>$DHCPSIPServer$</P24065> <Account1_Basic_DHCPSIPServer>$DHCPSIPServer$</Account1_Basic_DHCPSIPServer>
P Value Format	P24065
Description	Whether to enable DHCP sip server. 0-No,1-Yes Example: <P24065>0</P24065> <Account1_Basic_DHCPSIPServer>0</Account1_Basic_DHCPSIPServer>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Basic->DHCP SIP Server
Phone UI	Blank
Parameter Example	<P48>$OutboundProxy$</P48> <ProfileX_OutboundProxy>$OutboundProxy$</ProfileX_OutboundProxy>
TXT Type Format	Profile1_OutboundProxy, Profile2_OutboundProxy, Profile3_OutboundProxy …
P Value Format	P48 P748, P503, P603, P20370, P20371
Description	It configures the IP address (or domain name) and the port of the outbound proxy server in which the account is registered. Example:<P48>192.168.0.200</P48> <Profile1_OutboundProxy>192.168.0.200</Profile1_OutboundProxy> X range from: 1 ~ 6
Permitted Values	string;maxlength: 0-96
Default	Blank
Web UI	Profile->Basic->Outbound Proxy
Phone UI	Settings->Advanced->Profile->Outbound Proxy
Parameter Example	<P20047>$BackUpOutboundProxy$</P20047> <ProfileX_BackUpOutboundProxy>$BackUpOutboundProxy$ </ProfileX_BackUpOutboundProxy>
TXT Type Format	Profile1_BackUpOutboundProxy, Profile2_BackUpOutboundProxy, Profile3_BackUpOutboundProxy …
P Value Format	P20047, P20048, P20049, P20050, P20372, P20373
Description	This is Usually Set as IP addr. Example: <P20047>192.168.0.200</P20047> <Profile1_BackUpOutboundProxy>192.168.0.200</Profile1_BackUpOutboundProxy> X range from: 1 ~ 6
Permitted Values	string;maxlength: 0-96
Default	Blank
Web UI	Profile->Basic->Backup Outbound Proxy
Phone UI	Blank

Parameter Example	<P130>$SipTransport$</P130> <ProfileX_SipTransport>$SipTransport$</ProfileX_SipTransport>
TXT Type Format	Profile1_SipTransport, Profile2_SipTransport, Profile3_SipTransport …
P Value Format	P130, P830, P930, P1030, P20374, P20375
Description	It configures the type of transport protocol for account. 0-UDP, 1-TCP, 2-TLS Example: <P130>0</P130> <Profile1_SipTransport>2</Profile1_SipTransport> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Basic->SIP Transport
Phone UI	Settings->Advanced->Profile->SIP Transport
Parameter Example	<P52>$NatTraversal$</P52> <ProfileX_NatTraversal>$NatTraversal$</ProfileX_NatTraversal>
TXT Type Format	Profile1_NatTraversal, Profile2_NatTraversal, Profile3_NatTraversal …
P Value Format	P52, P730, P514, P614, P20376, P20377
Description	It decides whether to allow NAT traversal for account. 0-No, 1-STUN, 2-No,but send keep alive Example: <P52>0</P52> <Profile1_NatTraversal>2</Profile1_NatTraversal> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	2
Web UI	Profile->Basic->NAT Traversal
Phone UI	Settings->Advanced->Profile->NAT Traversal
Parameter Example	<P103>$DnsMode$</P103> <ProfileX_DnsMode>$DnsMode$</ProfileX_DnsMode>
TXT Type Format	Profile1_DnsMode, Profile2_DnsMode, Profile3_DnsMode …
P Value Format	P103, P702, P508, P608, P20380, P20381
Description	It configures the DNS mode. 0-A Record, 1-SRV, 2-NAPTR/SRV Example: <P103>0</P103> <Profile1_DnsMode>0</Profile1_DnsMode> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Basic->DNS Mode
Phone UI	Blank
Parameter Example	<P63>$UserIdIsPhoneNumber$</P63> <ProfileX_UserIdIsPhoneNumber>$UserIdIsPhoneNumber$</ProfileX_UserIdIsPhoneNumber>
TXT Type Format	Profile1_UserIdIsPhoneNumber, Profile2_UserIdIsPhoneNumber, Profile3_UserIdIsPhoneNumber …
P Value Format	P63, P763, P509, P609, P20382, P20383

Description	If User=Phone,the phone will add user=phone to the SIP header of the INVITE message.If Tel,the phone will add Tel to the SIP header of the INVITE message, 0-Regular，1-User=Phone，2-Tel Example: <P63>0</P63> <Profile1_UserIdIsPhoneNumber>2</Profile1_UserIdIsPhoneNumber> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Basic->Call Message Format
Phone UI	Blank
Parameter Example	<P31>$SipRegistration$</P31> <ProfileX_SipRegistration>$SipRegistration$</ProfileX_SipRegistration>
TXT Type Format	Profile1_SipRegistration, Profile2_SipRegistration, Profile3_SipRegistration …
P Value Format	P31, P731, P510, P610, P20384, P20385
Description	It decides whether to enable the function that the phone can retry to re-register account when registration fails. 0-No, 1-Yes Example: <P31>0</P31> <Profile1_SipRegistration>1</Profile1_SipRegistration> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Profile->Basic->SIP Registration
Phone UI	Blank
Parameter Example	<P81>$UnregisterOnReboot$</P81> <ProfileX_UnregisterOnReboot>$UnregisterOnReboot$</ProfileX_UnregisterOnReboot>
TXT Type Format	Profile1_UnregisterOnReboot, Profile2_UnregisterOnReboot, Profile3_UnregisterOnReboot …
P Value Format	P81, P752, P511, P611, P20386, P20387
Description	If Yes,the phone will enable unregister on reboot function after restarting the phone. 0-No, 1-Yes Example: <P81>0</P81> <Profile1_UnregisterOnReboot>1</Profile1_UnregisterOnReboot> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Basic->Unregister On Reboot
Phone UI	Blank
Parameter Example	<P32>$RegisterExpiration$</P32> <ProfileX_RegisterExpiration>$RegisterExpiration$</ProfileX_RegisterExpiration>
TXT Type Format	Profile1_RegisterExpiration, Profile2_RegisterExpiration, Profile3_RegisterExpiration …
P Value Format	P32, P732, P512, P612, P20388, P20389
Description	Every once in a while, the phone will be automatically registered. in minutes. default 15min, max 45 days Example: <P32>15</P32> <Profile1_RegisterExpiration>15</Profile1_RegisterExpiration> X range from: 1 ~ 6

Permitted Values	Int：1-64800
Default	15
Web UI	Profile->Basic->Register Expiration
Phone UI	Blank
Parameter Example	<P24816>$FallBackInterval$</P24816> <ProfileX_FallBackInterval>$FallBackInterval$</ProfileX_FallBackInterval>
TXT Type Format	Profile1_FallBackInterval, Profile2_FallBackInterval, Profile3_FallBackInterval …
P Value Format	P24816, P24817, P24818, P24819, P24820, P24821
Description	It configures the time interval (in minutes) for the IP phone to detect whether the working server is available by sending the registration request after the fallback server takes over call control. Example: <P24816>60</P24816> <Profile1_FallBackInterval>60</Profile1_FallBackInterval> X range from: 1 ~ 6
Permitted Values	unsigned short:1-64800
Default	60
Web UI	Profile->Basic->Fallback Interval
Phone UI	Blank
Parameter Example	<P25092>$ServerRetryCounts$</P25092> <ProfileX_ServerRetryCounts>$ServerRetryCounts$</ProfileX_ServerRetryCounts>
TXT Type Format	Profile1_ServerRetryCounts, Profile2_ServerRetryCounts, Profile3_ServerRetryCounts …
P Value Format	P25092, P25093, P25094, P25095, P25096, P25097
Description	It configures the retry times for the IP phone to resend requests when the server is unavailable or there is no response from the server for profile X. Example: <P25092>3</P25092> <Profile1_ServerRetryCounts>3</Profile1_ServerRetryCounts> X range from: 1 ~ 6
Permitted Values	int: 0 ~ 20
Default	3
Web UI	Profile->Basic-> Server Retry Counts
Phone UI	Blank
Parameter Example	<P109>$OutCallWithoutReg$</P109> <ProfileX_OutCallWithoutReg>$OutCallWithoutReg$</ProfileX_OutCallWithoutReg>
TXT Type Format	Profile1_OutCallWithoutReg, Profile2_OutCallWithoutReg, Profile3_OutCallWithoutReg …
P Value Format	P109, P813, P913, P1013, P1113, P1213
Description	If Yes,the phone will enable Outgoing Call Without Registration. 0-No, 1-Yes Example: <P109>0</P109> <Profile1_OutCallWithoutReg>1</Profile1_OutCallWithoutReg> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Profile->Basic->Outgoing Call Without Registration
Phone UI	Blank
Parameter Example	<P136>$RPort$</P136> <ProfileX_RPort>$RPort$</ProfileX_RPort>
TXT Type Format	Profile1_RPort, Profile2_RPort, Profile3_RPort …

P Value Format	P136, P137, P138, P139, P140, P141
Description	If Yes,the phone will enable the NAT Rport feature for account. 0-No, 1-Yes Example: <P136>0</P136> <Profile1_RPort>1</Profile1_RPort> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Basic->RPort
Phone UI	Blank
Parameter Example	<P1100>$RFC2543Hold$</P1100> <ProfileX_RFC2543Hold>$RFC2543Hold$</ProfileX_RFC2543Hold>
TXT Type Format	Profile1_RFC2543Hold, Profile2_RFC2543Hold, Profile3_RFC2543Hold …
P Value Format	P1100, P1101, P1102, P1103, P1104, P1105
Description	If Yes,the phone will enable RFC 2543 Hold. 0-No, 1-Yes Example: <P1100>0</P1100> <Profile1_RFC2543Hold>1</Profile1_RFC2543Hold> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Profile->Basic->RFC 2543 Hold
Phone UI	Blank
Parameter Example	<P104>$AccountRingTone$</P104> <ProfileX_AccountRingTone>$AccountRingTone$</ProfileX_AccountRingTone>
TXT Type Format	Profile1_AccountRingTone, Profile2_AccountRingTone, Profile3_AccountRingTone …
P Value Format	P104, P423, P523, P623, P1723, P1823
Description	It configures the ringtone type for account. 0-default, 1-Ring1.bin, 2-Ring2.bin, 3-Ring3.bin, 4-Ring4.bin, 5-Ring5.bin, 6-Ring6.bin, 7-Ring7.bin, 8-Ring8.bin Example: <P104>0</P104> <Profile1_AccountRingTone>8</Profile1_AccountRingTone> X range from: 1 ~ 6
Permitted Values	List [0 ~ 8]
Default	0
Web UI	Profile->Advanced->Account Ring Tone
Phone UI	Settings-->Basic->Ring Tone
Parameter Example	<P185>$RingTimeout$</P185> <ProfileX_RingTimeout>$RingTimeout$</ProfileX_RingTimeout>
TXT Type Format	Profile1_RingTimeout, Profile2_RingTimeout, Profile3_RingTimeout …
P Value Format	P185, P816, P1885, P1886, P20442, P20443
Description	When the ring tone exceeds this time, it is timed out. 10-300 seconds, default is 60 seconds Example: <P185>10</P185> <Profile1_RingTimeout>300</Profile1_RingTimeout> X range from: 1 ~ 6

Permitted Values	Int: 10-300
Default	60
Web UI	Profile->Advanced->Ring Timeout
Phone UI	Blank
Parameter Example	<P299>$OffSpeakerDisconnect$</P299> <ProfileX_OffSpeakerDisconnect>$OffSpeakerDisconnect$</ProfileX_OffSpeakerDisconnect>
TXT Type Format	Profile1_OffSpeakerDisconnect, Profile2_OffSpeakerDisconnect, Profile3_OffSpeakerDisconnect …
P Value Format	P299, P439, P539, P639, P1739, P1839
Description	If Yes,the phone will turn off speaker on remote disconnect. 0-No,1-Yes Example: <P299>0</P299> <Profile1_OffSpeakerDisconnect>1</Profile1_OffSpeakerDisconnect> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Profile->Advanced->Turn off Speaker on remote disconnect
Phone UI	Blank
Parameter Example	<P260>$SessionExpiration$</P260> <ProfileX_SessionExpiration>$SessionExpiration$</ProfileX_SessionExpiration>
TXT Type Format	Profile1_SessionExpiration, Profile2_SessionExpiration, Profile3_SessionExpiration …
P Value Format	P260, P434, P534, P634, P1734, P1834
Description	It configures the interval for refreshing the SIP session during a call for account.(In second) from 1 to 65534，default is 180 Example: <P260>1</P260> <Profile1_SessionExpiration>65534</Profile1_SessionExpiration> X range from: 1 ~ 6
Permitted Values	Int: 1-65534
Default	180
Web UI	Profile->Advanced->Session Expiration
Phone UI	Blank
Parameter Example	<P8791>$SIPServerType$</P8791> <ProfileX_SIPServerType>$SIPServerType$</ProfileX_SIPServerType>
TXT Type Format	Profile1_SIPServerType, Profile2_SIPServerType, Profile3_SIPServerType …
P Value Format	P8791, P8792, P8793, P8794, P20456, P20457
Description	It configures the SIP server type for phone. 0-Default，2-Alcatel，3-Snom，4-MetaSwitch，8-Unify Example: <P8791>0</P8791> <Profile1_SIPServerType>1</Profile1_SIPServerType> X range from: 1 ~ 6
Permitted Values	List [0 ~ 4 ; 8]
Default	0
Web UI	Profile->Advanced->SIP Server Type
Phone UI	Blank
Parameter Example	<P8841>$EarlySession$</P8841> <ProfileX_EarlySession>$EarlySession$</ProfileX_EarlySession>
TXT Type Format	Profile1_EarlySession, Profile2_EarlySession, Profile3_EarlySession …
P Value Format	P8841, P8842, P8843, P8844, P20460, P20461

Description	It decides whether to enable the early session for account. 0-Disable，1-Enable Example: <P8841>0</P8841> <Profile1_EarlySession>1</Profile1_EarlySession> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Early-Session
Phone UI	Blank
Parameter Example	<P8845>$RefuseReturnCode$</P8845> <ProfileX_RefuseReturnCode>$RefuseReturnCode$</ProfileX_RefuseReturnCode>
TXT Type Format	Profile1_RefuseReturnCode, Profile2_RefuseReturnCode, Profile3_RefuseReturnCode …
P Value Format	P8845, P8846, P8847, P8848, P20462, P20463
Description	It configures the Refuse-Return-Code for the phone. 0-486(Busy Here)，1-404(Not Found)，2-480(Temporarily Unavailable) Example: <P8845>0</P8845> <Profile1_RefuseReturnCode>2</Profile1_RefuseReturnCode> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Advanced->Refuse-Return-Code
Phone UI	BLank
Parameter Example	<P20004>$ConferenceType$</P20004> <ProfileX_ConferenceType>$ConferenceType$</ProfileX_ConferenceType>
TXT Type Format	Profile1_ConferenceType, Profile2_ConferenceType, Profile3_ConferenceType …
P Value Format	P20004, P20005, P20006, P20007, P20472, P20473
Description	It configures the network conference type for account. 0-Local，1-Network Example: <P20004>0</P20004> <Profile1_ConferenceType>1</Profile1_ConferenceType> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Conference Type
Phone UI	Blank
Parameter Example	<P20008>$ConferenceURI$</P20008> <ProfileX_ConferenceURI>$ConferenceURI$</ProfileX_ConferenceURI>
TXT Type Format	Profile1_ConferenceURI, Profile2_ConferenceURI, Profile3_ConferenceURI …
P Value Format	P20008, P20009, P20010, P20011, P20470, P20471
Description	It configures the network conference URI for account. Example: <P20008></P20008> <Profile1_ConferenceURI></Profile1_ConferenceURI> X range from: 1 ~ 6
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Profile->Advanced->Conference URI

Phone UI	Blank
Parameter Example	<P20970>$SubscribeExpires$</P20970> <ProfileX_SubscribeExpires>$SubscribeExpires$</ProfileX_SubscribeExpires>
TXT Type Format	Profile1_SubscribeExpires, Profile2_SubscribeExpires, Profile3_SubscribeExpires …
P Value Format	P20970, P20971, P20972, P20973, P20974, P20975
Description	Configures subscribe expiry time (in seconds) for account X. The IP phone is able to successfully refresh the SUBSCRIBE before expiration of the subscription dialog. from 1 to 64800，default is 1800 Example: <P20970>1</P20970> <Profile1_SubscribeExpires>9999999999</Profile1_SubscribeExpires> X range from: 1 ~ 6
Permitted Values	Int: 1-64800
Default	1800
Web UI	Profile->Advanced->Subscribe Expires
Phone UI	Blank
Parameter Example	<P266>$SessionRefresher$</P266> <ProfileX_SessionRefresher>$SessionRefresher$</ProfileX_SessionRefresher>
TXT Type Format	Profile1_SessionRefresher, Profile2_SessionRefresher, Profile3_SessionRefresher …
P Value Format	P266, P432, P532, P632, P1732, P1832
Description	It configures the Session Refresher. 0-UAC，1-UAS Example: <P266>0</P266> <Profile1_SessionRefresher>2</Profile1_SessionRefresher> X range from: 1 ~ 6
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Profile->Advanced->Session Refresher
Phone UI	Blank
Parameter Example	<P261>$SessionTimer$</P261> <ProfileX_SessionTimer>$SessionTimer$</ProfileX_SessionTimer>
TXT Type Format	Profile1_SessionTimer, Profile2_SessionTimer, Profile3_SessionTimer …
P Value Format	P261, P427, P527, P627, P1727, P1827
Description	It configures SessionTimer. 0-Disable，1-Enable Example: <P261>0</P261> <Profile1_SessionTimer>0</Profile1_SessionTimer> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Profile->Advanced->Session Timer
Phone UI	Blank
Parameter Example	<P23388>$DetectMode$</P23388> <ProfileX_DetectMode>$DetectMode$</ProfileX_DetectMode>
TXT Type Format	Profile1_DetectMode, Profile2_TrDetectMode, Profile3_DetectMode …
P Value Format	P23388, P23389, P23390, P23391, P23392, P23393

Description	It configures the type of SIP Detect. If set to 1, phone'll send OPTION message to server to detect whether server is on line. 0-Default，1-SIP Option Example: <P23388>1</P23388> <Profile1_DetectMode>1</Profile1_DetectMode> X range from: 1 ~ 6
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Profile->Advanced->SIP Detect Mode
Phone UI	Blank
Parameter Example	<P23388>$DetectMode$</P23388> <ProfileX_DetectMode>$DetectMode$</ProfileX_DetectMode>
TXT Type Format	Profile1_DetectMode, Profile2_TrDetectMode, Profile3_DetectMode …
P Value Format	P23388, P23389, P23390, P23391, P23392, P23393
Description	It configures the type of SIP Detect. If set to 1, phone'll send OPTION message to server to detect whether server is on line. 0-Default，1-SIP Option Example: <P23388>1</P23388> <Profile1_DetectMode>1</Profile1_DetectMode> X range from: 1 ~ 6
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Profile->Advanced->SIP Detect Mode
Phone UI	Blank
Parameter Example	<P24930>$Profile1_BLFSubscribeExpires$</P24930> <ProfileX_BLFSubscribeExpires>$Profile1_BLFSubscribeExpires$</ProfileX_BLFSubscribeExpires>
TXT Type Format	Profile1_BLFSubscribeExpires, Profile2_BLFSubscribeExpires, Profile3_BLFSubscribeExpires …
P Value Format	P24930, P24931, P24932, P24933, P24934, P24935
Description	Configures BLF subscribe expiry time (in seconds) for account X. The IP phone is able to successfully refresh the SUBSCRIBE before expiration of the subscription dialog. from 1 to 64800，default is 1800 Example: <P24930>1</P24930> <Profile1_BLFSubscribeExpires>1</Profile1_BLFSubscribeExpires> X range from: 1 ~ 6
Permitted Values	Unsigned Int: 1-64800
Default	1800
Web UI	Profile->Advanced->Subscribe Expires For BLF
Phone UI	Blank

Account

Parameter Example	<P271>$Active$</P271> <AccountX_Active>$Active$</AccountX_Active>
TXT Type Format	Account1_Active, Account2_Active, Account3_Active …
P Value Format	P271, P401, P501, P601, P20360, P20361, P24090, P24091, P24092, P24093, P24094, P24095, P24096, P24097, P24098, P24099

Description	It decides whether to activate the phone account. 0-No，1-Yes Example: <P271>0</P271> <Account1_Active>1</Account1_Active> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Account->Basic->Account Active
Phone UI	Settings-->Advanced->Accounts->Enter->Active
Parameter Example	<P24082>$Profile$</P24082> <AccountX_Profile>$Profile$</AccountX_Profile>
TXT Type Format	Account1_Profile, Account2_Profile, Account3_Profile …
P Value Format	P24082, P24083, P24084, P24085, P24086, P24087, P24088, P24089, P24720, P24721, P24722, P24723, P24724, P24725, P24726, P24727
Description	It configures the Profile corresponding to the Account. 0-Profile 1，1-Profile 2，2-Profile 3, 3-Profile 4, 4-Profile 5, 5-Profile 6 Example: <P24082>0</P24082> <Account1_Profile>5</Account1_Profile> X range from: 1 ~ 16
Permitted Values	List [0 ~ 5]
Default	0
Web UI	Account->Basic->Profile
Phone UI	Settings-->Advanced->Accounts->Enter->Profile
Parameter Example	<P20000>$Label$</P20000> <AccountX_Label>$Label$</AccountX_Label>
TXT Type Format	Account1_Label, Account2_Label, Account3_Label …
P Value Format	P20000, P20001, P20002, P20003, P20378, P20379, P24100, P24101, P24102, P24103, P24104, P24105, P24106, P24107, P24108, P24109
Description	This name will be displayed on the device's LCD. Example: <P20000>1057</P20000> <Account1_Label> Company </Account1_Label> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Account->Basic->Label
Phone UI	Settings-->Advanced->Accounts->Enter->Label
Parameter Example	<P35>$SipUserId$</P35> <AccountX_SipUserId>$SipUserId$</AccountX_SipUserId>
TXT Type Format	Account1_SipUserId, Account2_SipUserId, Account3_SipUserId …
P Value Format	P35, P735, P504, P604, P1704, P1804, P24110, P24111, P24112, P24113, P24114, P24115, P24116, P24117, P24118, P24119

Description	The user part of a SIP address. Example: <P35>1057</P35> <Account1_SipUserId>1057</Account1_SipUserId> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Account->Basic->SIP User ID
Phone UI	Settings-->Advanced->Accounts->Enter->SIP User ID
Parameter Example	<P36>$AuthenticateID$</P36> <AccountX_AuthenticateID>$AuthenticateID$</AccountX_AuthenticateID>
TXT Type Format	Account1_AuthenticateID, Account2_AuthenticateID, Account3_AuthenticateID …
P Value Format	P36, P736, P505, P605, P1705, P1805, P24120, P24121, P24122, P24123, P24124, P24125, P24126, P24127, P24128, P24129
Description	Can be identical to or different from SIP User ID Example: <P36>1057</P36> <Account1_AuthenticateID>1057</Account1_AuthenticateID> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-96
Default	Blank
Web UI	Account->Basic->Authenticate ID
Phone UI	Settings-->Advanced->Accounts->Enter->Authenticate ID
Parameter Example	<P34>$AuthenticatePassword$</P34> <AccountX_AuthenticatePassword>$AuthenticatePassword$</AccountX_AuthenticatePassword>
TXT Type Format	Account1_AuthenticatePassword, Account2_AuthenticatePassword, Account3_AuthenticatePassword …
P Value Format	P34, P734, P506, P606, P1706, P1806, P24130, P24131, P24132, P24133, P24134, P24135, P24136, P24137, P24138, P24139
Description	It configures the authenticate password. Example: <P34>test11</P34> <Account1_AuthenticatePassword>test11</Account1_AuthenticatePassword> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-63
Default	????????
Web UI	Account->Basic->Authenticate Password
Phone UI	Settings-->Advanced->Accounts->Enter->Password
Parameter Example	<P3>$DispalyName$</P3> <AccountX_DispalyName>$DispalyName$</AccountX_DispalyName>
TXT Type Format	Account1_DispalyName, Account2_DispalyName, Account3_DispalyName …
P Value Format	P3, P703, P507, P607, P1707, P1807, P24140, P24141, P24142, P24143, P24144, P24145, P24146, P24147, P24148, P24149

Description	The Local account name showing on the another phone when calling. Example: <P3> Company </P3> <Account1_DispalyName> Company </Account1_DispalyName> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Account->Basic->Name
Phone UI	Settings-->Advanced->Accounts->Enter->Name
Parameter Example	<P40>$LocalSipPort$</P40> <AccountX_LocalSipPort>$LocalSipPort$</AccountX_LocalSipPort>
TXT Type Format	Account1_LocalSipPort, Account2_LocalSipPort, Account3_LocalSipPort …
P Value Format	P40, P740, P513, P613, P1713, P1813, P24150, P24151, P24152, P24153, P24154, P24155, P24156, P24157, P24158, P24159
Description	It configures local sip port for account. Example: <P40>5060</P40> <Account1_LocalSipPort>5060</Account1_LocalSipPort> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-5
Default	(49+X)60
Web UI	Account->Basic->Local SIP Port
Phone UI	Blank
Parameter Example	<P78>$UseRandomPort$</P78> <AccountX_UseRandomPort>$UseRandomPort$</AccountX_UseRandomPort>
TXT Type Format	Account1_UseRandomPort, Account2_UseRandomPort, Account3_UseRandomPort …
P Value Format	P78, P778, P578, P678, P20390 P20391, P24160, P24161, P24162, P24163, P24164, P24165, P24166, P24167, P24168, P24169
Description	It decides whether to use random port for account. 0-No，1-Yes Example: <P78>0</P78> <Account1_UseRandomPort>1</Account1_UseRandomPort> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Account->Basic->Use Random Port
Phone UI	Blank
Parameter Example	<P33>$VoiceMailId$</P33> <AccountX_VoiceMailId>$VoiceMailId$</AccountX_VoiceMailId>
TXT Type Format	Account1_VoiceMailId, Account2_VoiceMailId, Account3_VoiceMailId …
P Value Format	P33, P426, P526, P626, P1726, P1826, P24170, P24171,P24172, P24173, P24174, P24175, P24176, P24177, P24178, P24179

Description	It configures UserID for voice mail sysytem. Example: <P33>1057</P33> <Account1_VoiceMailId> Company </Account1_VoiceMailId> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Account->Basic->Voice Mail UserID
Phone UI	Blank
Parameter Example	<P134>$EventlistBlfUrl$</P134> <AccountX_EventlistBlfUrl>$EventlistBlfUrl$</AccountX_EventlistBlfUrl>
TXT Type Format	Account1_EventlistBlfUrl, Account2_EventlistBlfUrl, Account3_EventlistBlfUrl …
P Value Format	P134, P444, P544, P644 P1744, P1844, P24190, P24191, P24192, P24193, P24194, P24195, P24196, P24197, P24198, P24199
Description	Fill in the corresponding event list BLF URL. Example: <P134>http://10.3.0.100/1/</P134> <Account1_EventlistBlfUrl>http://10.3.0.100/1/</Account1_EventlistBlfUrl> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Account->Basic->Eventlist BLF URL
Phone UI	Blank
Parameter Example	<P8771>$ShareLine$</P8771> <AccountX_ShareLine>$ShareLine$</AccountX_ShareLine>
TXT Type Format	Account1_ShareLine, Account2_ShareLine, Account3_ShareLine …
P Value Format	P8771, P8772, P8773, P8774, P20454, P20455, P24200, P24201, P24202, P24203, P24204, P24205, P24206, P24207, P24208, P24209
Description	It configures the shareline. 0-Disable，1-SCA，2-BLA Example: <P8771>0</P8771> <Account1_ShareLine>2</Account1_ShareLine> X range from: 1 ~ 16
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Account->Basic->Shared Line
Phone UI	Blank
Parameter Example	<P20655>$EnableACD$</P20655> <AccountX_EnableACD>$EnableACD$</AccountX_EnableACD>
TXT Type Format	Account1_EnableACD, Account2_EnableACD,Account3_EnableACD…
P Value Format	P20655, P20656, P20657, P20658, P20659, P20660, P24250, P24251, P24252, P24253, P24254, P24255, P24256, P24257, P24258, P24259

Description	It enables ACD feature for the specific Account (ACD should be enabled on the Server previously) 0-Disable, 1-Enable Example: <P20655>0</P20655> <Account1_EnableACD>1</Account1_EnableACD> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20661>$ACDShowAvailable$</P20661> <AccountX_ACDShowAvailable>$ACDShowAvailable$</AccountX_ACDShowAvailable>
TXT Type Format	Account1_ACDShowAvailable, Account2_ACDShowAvailable, Account3_ACDShowAvailable…
P Value Format	P20661, P20662, P20663, P20664, P20665, P20666, P24260, P24261, P24262, P24263, P24264, P24265, P24266, P24267, P24268, P24269
Description	Controls whther the Available/Unavailable soft key of ACD shows on the LCD. 0-Disable, 1-Enable Example: <P20661>0</P20661> <Account1_ACDShowAvailable>1</Account1_ACDShowAvailable> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20667>$ACDInitialState$</P20667> <AccountX_ACDInitialState>$ACDInitialState$</AccountX_ACDInitialState>
TXT Type Format	Account1_ACDInitialState, Account2_ACDInitialState, Account3_ACDInitialState…
P Value Format	P20667, P20668, P20669, P20670, P20671, P20672, P24270, P24271, P24272, P24273, P24274, P24275, P24276, P24277, P24278, P24279
Description	Configure the initial state of ACD. 0-Unavailable, 1-Available Example: <P20667>0</P20667> <Account1_ACDInitialState>1</Account1_ACDInitialState> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20673>$ACDShowUnavailableReason$</P20673> <AccountX_ACDShowUnavailableReason>$ACDShowUnavailableReason$ </AccountX_ACDShowUnavailableReason>
TXT Type Format	Account1_ACDShowUnavailableReason, Account2_ACDShowUnavailableReason, Account3_ACDShowUnavailableReason…

P Value Format	P20673, P20674, P20675, P20676, P20677, P20678, P24280, P24281, P24282, P24283, P24284, P24285, P24286, P24287, P24288, P24289
Description	Control whether shows the Unavailable Reason code soft key for the phone. 0-Disable, 1-Enable Example: <P20667>0</P20667> <Account1_ACDInitialState>1</Account1_ACDInitialState> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20900>$ACDUnAvailableName$</P20900> <AccountX_ACDUnAvailableNameY>$ACDUnAvailableName$ </AccountX_ACDUnAvailableNameY>
TXT Type Format	Account1_ACDUnAvailableName1, Account2_ACDUnAvailableName1, Account3_ACDUnAvailableName1…
P Value Format	Name1: P20900, P20905, P20910, P20915, P20920, P20925, P24290, P24291, P24292, P24293, P24294, P24295, P24296, P24297, P24298, P24299 Name2: P20901, P20906, P20911, P20916, P20921, P20926, P24300, P24301, P24302, P24303, P24304, P24305, P24306, P24307, P24308, P24309 Name3: P20902, P20907, P20912, P20917, P20922, P20927, P24310, P24311, P24312, P24313, P24314, P24315, P24316, P24317, P24318, P24319 Name4: P20903, P20908, P20913, P20918, P20923, P20928, P24320, P24321, P24322, P24323, P24324, P24325, P24326, P24327, P24328, P24329 Name5: P20904, P20909, P20914, P20919, P20924, P20929, P24330, P24331, P24332, P24333, P24334, P24335, P24336, P24337, P24338, P24339
Description	Set the Unavailable Reason Name, the maxium number for each account is 5. Example: <P20900>Lunch</P20900> <Account1_ACDUnAvailableName1>Lunch</Account1_ACDUnAvailableName1> Y range from: 1 ~ 5 X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-40
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20679>$ACDUnAvailableCode$</P20679> <AccountX_ACDUnAvailableCodeY>$ACDUnAvailableCode$ </AccountX_ACDUnAvailableCodeY>
TXT Type Format	Account1_ACDUnAvailableCode1, Account2_ACDUnAvailableCode1, Account3_ACDUnAvailableCode1…

P Value Format	Code1: P20679, P20684, P20689, P20694, P20699, P20704, P24340, P24341, P24342, P24343, P24344, P24345, P24346, P24347, P24348, P24349 Code2: P20680, P20685, P20690, P20695, P20700, P20705, P24350, P24351, P24352, P24353, P24354, P24355, P24356, P24357, P24358, P24359 Code3: P20681, P20686, P20691, P20696, P20701, P20706, P24360, P24361, P24362, P24363, P24364, P24365, P24366, P24367, P24368, P24369 Code4: P20682, P20687, P20692, P20697, P20702, P20707, P24370, P24371, P24372, P24373, P24374, P24375, P24376, P24377, P24378, P24379 Code5: P20683, P20688, P20693, P20698, P20703, P20708, P24380, P24381, P24382, P24383, P24384, P24385, P24386, P24387, P24388, P24389
Description	Set the Unavailable Reason Code, the maxium number for each account is 5 Example: <P20679>1</P20679> <Account1_ACDUnAvailableCode1>1</Account1_ACDUnAvailableCode1> Y range from: 1 ~ 5 X range from: 1 ~ 16
Permitted Values	Int: 1-100
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23148>$HotelingMode$</P23148> <AccountX_HotelingMode>$HotelingMode$</AccountX_HotelingMode>
TXT Type Format	Account1_HotelingMode, Account2_HotelingMode, Account3_HotelingMode…
P Value Format	P23148, P23149, P23150, P23151, P23152, P23153, P24680, P24681, P24682, P24683, P24684, P24685, P24686, P24687, P24688, P24689
Description	Set the hoteling mode for account. 0-disable, 1-hoteling, 2-Flexible host, 3-Flexible guest Example: <P23148>2</P23148> <Account1_HotelingMode>3</Account1_HotelingMode> X range from: 1 ~ 16
Permitted Values	List [0 ~ 3]
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23154>$HotelingPin$</P23154> <AccountX_HotelingPin>$HotelingPin$</AccountX_HotelingPin>
TXT Type Format	Account1_HotelingPin, Account2_HotelingPin, Account3_HotelingPin...
P Value Format	P23154, P23155, P23156, P23157, P23158, P23159, P24690, P24691, P24692, P24693, P24694, P24695, P24696, P24697, P24698, P24699
Description	Configure the unlock pin for Flexible Seating Guest.

Permitted Values	31 numbers
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20715>$HotelingAutoLogin$</P20715> <AccountX_HotelingAutoLogin>$HotelingAutoLogin$</AccountX_HotelingAutoLogin>
TXT Type Format	Account1_HotelingAutoLogin, Account2_HotelingAutoLogin, Account3_HotelingAutoLogin...
P Value Format	P20715, P20716, P20717, P20718, P20719, P20720, P24400, P24401, P24402, P24403, P24404, P24405, P24406, P24407, P24408, P24409
Description	Configure whether remember the pin number for logging in to the Guest. 0-Disable, 1-Enable Example: <P20715>0</P20715> <Account1_HotelingAutoLogin>1</Account1_HotelingAutoLogin> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20721>$HotelingUserId$</P20721> <AccountX_HotelingUserId>$HotelingUserId$</AccountX_HotelingUserId>
TXT Type Format	Account1_HotelingUserId, Account2_HotelingUserId, Account3_HotelingUserId...
P Value Format	P20721, P20722, P20723, P20724, P20725, P20726, P24410, P24411, P24412, P24413, P24414, P24415, P24416, P24417, P24418, P24419
Description	Configure the Hoteling User ID. Example: <P20721>3009</P20721> <Account1_HotelingUserId>3009</Account1_HotelingUserId> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20727>$HotelingPassWord$</P20727> <AccountX_HotelingPassWord>$HotelingPassWord$</AccountX_HotelingPassWord>
TXT Type Format	Account1_HotelingPassWord, Account2_HotelingPassWord, Account3_HotelingPassWord…
P Value Format	P20727, P20728, P20729, P20730, P20731, P20732, P24420, P24421, P24422, P24423, P24424, P24425, P24426, P24427, P24428, P24429
Description	Configure the Password for logging in to Hoteling Guest Example: <P20727>123456</P20727> <Account1_HotelingPassWord>123456</Account1_HotelingPassWord> X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-63
Default	Blank

Web UI	Blank
Phone UI	Blank
Parameter Example	<P20733>$EnableCallCenterStatus$</P20733> <AccountX_EnableCallCenterStatus>$EnableCallCenterStatus$ </AccountX_EnableCallCenterStatus>
TXT Type Format	Account1_EnableCallCenterStatus, Account2_EnableCallCenterStatus, Account3_EnableCallCenterStatus...
P Value Format	P20733, P20734, P20735, P20736, P20737, P20738, P24430, P24431, P24432, P24433, P24434, P24435, P24436, P24437, P24438, P24439
Description	Enable or Disable Call Center status feature for account. 0-Disable, 1-Enable Example: <P20733>0</P20733> <Account1_EnableCallCenterStatus>1</Account1_EnableCallCenterStatus> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20739>$EnableCallCenterTrace$</P20739> <AccountX_EnableCallCenterTrace>$EnableCallCenterTrace$ </AccountX_EnableCallCenterTrace>
TXT Type Format	Account1_EnableCallCenterTrace, Account2_EnableCallCenterTrace, Account3_EnableCallCenterTrace...
P Value Format	P20739, P20740, P20741, P20742, P20743, P20744, P24440, P24441, P24442, P24443, P24444, P24445, P24446, P24447, P24448, P24449
Description	Enables or disables the customer originated trace feature for account X. 0-Disable, 1-Enable Example: <P20739>0</P20739> <Account1_EnableCallCenterTrace>1</Account1_EnableCallCenterTrace> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20745>$EnableCallCenterEmergencyEscalation$</P20745> <AccountX_EnableCallCenterEmergencyEscalation>$EnableCallCenterEmergencyEscalation$ </AccountX_EnableCallCenterEmergencyEscalation>
TXT Type Format	Account1_EnableCallCenterEmergencyEscalation, Account2_EnableCallCenterEmergencyEscalation, Account3_EnableCallCenterEmergencyEscalation...

P Value Format	P20745, P20746, P20747, P20748, P20749, P20750, P24450, P24451, P24452, P24453, P24454, P24455, P24456, P24457, P24458, P24459
Description	Enable Call Center Emergency Escalation: Enables or disables the emergency escalation feature for account X. 0-Disable, 1-Enable Example: <P20745>0</P20745> <Account1_EnableCallCenterEmergencyEscalation>1<Account1_EnableCallCenterEmergencyEscalation> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20751>$CallCenterSupervisorCode$</P20751> <AccountX_CallCenterSupervisorCodeY>$CallCenterSupervisorCode$ </AccountX_CallCenterSupervisorCodeY>
TXT Type Format	Account1_CallCenterSupervisorCode1, Account2_CallCenterSupervisorCode1, Account3_CallCenterSupervisorCode1…
P Value Format	Code1: P20751, P20757, P20763, P20769, P20775, P20781, P24460, P24461, P24462, P24463, P24464, P24465, P24466, P24467, P24468, P24469 Code2: P20752, P20758, P20764, P20770, P20776, P20782, P24470, P24471, P24472, P24473, P24474, P24475, P24476, P24477, P24478, P24479 Code3: P20753, P20759, P20765, P20771, P20777, P20783, P24480, P24481, P24482, P24483, P24484, P24485, P24486, P24487, P24488, P24489 Code4: P20754, P20760, P20766, P20772, P20778, P20784, P24490, P24491, P24492, P24493, P24494, P24495, P24496, P24497, P24498, P24499 Code5: P20755, P20761, P20767, P20773, P20779, P20785, P24500, P24501, P24502, P24503, P24504, P24505, P24506, P24507, P24508, P24509

Description	Call Center Supervisor Code1: Configures the supervisor number for account X Example: <P20751>4000</P20751> <Account1_CallCenterSupervisorCode1>4000</Account1_CallCenterSupervisorCode1> Y range from: 1 ~ 5 X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20787>$CallCenterSupervisorName$</P20787> <AccountX_CallCenterSupervisorNameY>$CallCenterSupervisorName$ </AccountX_CallCenterSupervisorNameY>
TXT Type Format	Account1_CallCenterSupervisorName1, Account2_CallCenterSupervisorName1, Account3_CallCenterSupervisorName1...
P Value Format	Name1: P20787, P20793, P20799, P20805, P20811, P20817, P24510, P24511, P24512, P24513, P24514, P24515, P24516, P24517, P24518, P24519 Name2: P20788, P20794, P20800, P20806, P20812, P20818, P24520, P24521, P24522, P24523, P24524, P24525, P24526, P24527, P24528, P24529 Name3: P20789, P20795, P20801, P20807, P20813, P20819, P24530, P24531, P24532, P24533, P24534, P24535, P24536, P24537, P24538, P24539 Name4: P20790, P20796, P20802, P20808, P20814, P20820, P24540, P24541, P24542, P24543, P24544, P24545, P24546, P24547, P24548, P24549 Name5: P20791, P20797, P20803, P20809, P20815, P20821, P24550, P24551, P24552, P24553, P24554, P24555, P24556, P24557, P24558, P24559

Description	Call Center Supervisor Name: Configures the supervisor name for account X. Example: <P20787>Super 1</P20787> <Account1_CallCenterSupervisorName1>Super 1</Account1_CallCenterSupervisorName1> Y range from: 1 ~ 5 X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20823>$EnableCallCenterDispCode$</P20823> <AccountX_EnableCallCenterDispCode>$EnableCallCenterDispCode$ </AccountX_EnableCallCenterDispCode>
TXT Type Format	Account1_EnableCallCenterDispCode, Account2_EnableCallCenterDispCode, Account3_EnableCallCenterDispCode…
P Value Format	P20823, P20824, P20825, P20826, P20827, P20828, P24560, P24561, P24562, P24563, P24564, P24565, P24566, P24567, P24568, P24569
Description	Enable Call Center Disp Code: Enables or disables the disposition code feature for account X. 0-Disable, 1-Enable Example: <P20823>0</P20823> <Account1_EnableCallCenterDispCode>1</Account1_EnableCallCenterDispCode> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20829>$CCDispCode$</P20829> <AccountX_CCDispCodeY>$CCDispCode$</AccountX_CCDispCodeY>
TXT Type Format	Account1_CCDispCode1, Account2_CCDispCode1, Account3_CCDispCode1…

P Value Format	Code1: P20829, P20835, P20841, P20847, P20853, P20859, P24570, P24571, P24572, P24573, P24574, P24575, P24576, P24577, P24578, P24579 Code2: P20830, P20836, P20842, P20848, P20854, P20860, P24580, P24581, P24582, P24583, P24584, P24585, P24586, P24587, P24588, P24589 Code3: P20831, P20837, P20843, P20849, P20855, P20861, P24590, P24591, P24592, P24593, P24594, P24595, P24596, P24597, P24598, P24599 Code4: P20832, P20838, P20844, P20850, P20856, P20862, P24600, P24601, P24602, P24603, P24604, P24605, P24606, P24607, P24608, P24609 Code5: P20833, P20839, P20845, P20851, P20857, P20863, P24610, P24611, P24612, P24613, P24614, P24615, P24616, P24617, P24618, P24619
Description	Configures the disposition code which must match one of the codes configured on BroadWorks for account X. Example: <P20829>123</P20829> <Account1_CCDispCode1>123</Account1_CCDispCode1> Y range from: 1 ~ 5 X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20865>$CCDispName$</P20865> <AccountX_CCDispNameY>$CCDispName$</AccountX_CCDispNameY>
TXT Type Format	Account1_CCDispName1, Account2_CCDispName1, Account3_CCDispName1…
P Value Format	Name1: P20865, P20871, P20877, P20883, P20889, P20895, P24620, P24621, P24622, P24623, P24624, P24625, P24626, P24627, P24628, P24629 Name2: P20866, P20872, P20878, P20884, P20890, P20896, P24630, P24631, P24632, P24633, P24634, P24635, P24636, P24637, P24638, P24639 Name3: P20867, P20873, P20879, P20885, P20891, P20897, P24640, P24641, P24642, P24643, P24644, P24645, P24646, P24647, P24648, P24649 Name4: P20868, P20874, P20880, P20886, P20892, P20898, P24650, P24651, P24652, P24653, P24654, P24655, P24656, P24657, P24658, P24659 Name5: P20869, P20875, P20881, P20887, P20893, P20899, P24660, P24661, P24662, P24663, P24664, P24665, P24666, P24667, P24668, P24669

Description	Call Center Disp Name: Configures the disposition code name which must match one of the names configured on BroadWorks for account X. Example: <P20865>Promotion A<P20865> <Account1_CCDispName1>Promotion A</Account1_CCDispName1> Y range from: 1 ~ 5 X range from: 1 ~ 16
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24004>$EnableSecurityClassification$</P24004> <AccountX_EnableSecurityClassification>$EnableSecurityClassification$ </AccountX_EnableSecurityClassification>
TXT Type Format	Account1_EnableSecurityClassification, Account2_EnableSecurityClassification, Account3_EnableSecurityClassification...
P Value Format	P24004, P24005, P24006, P24007, P24008, P24009, P24710, P24711, P24712, P24713, P24714, P24715, P24716, P24717, P24718, P24719
Description	Enable Security Classification: Enables or disables security classification feature for account X. 0-Disable, 1-Enable Example: <P24004>0</P24004> <Account1_EnableSecurityClassification>0<Account1_EnableSecurityClassification> X range from: 1 ~ 16
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank

TR069

Parameter Example	<P8100>$TR069_Enable$</P8100> <TR069_Enable>$TR069_Enable$</TR069_Enable>
P Value Format	P8100
Description	If Yes, the phone will enable TR069. 0-No，1-Yes Example: <P8100>0</P8100> <TR069_Enable>0</TR069_Enable>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->TR069->TR069 Enable
Phone UI	Blank

Parameter Example	<P8101>$TR069_AcsUrl$</P8101> <TR069_AcsUrl>$TR069_AcsUrl$</TR069_AcsUrl>
P Value Format	P8101
Description	It configures the access URL of the TR-069 ACS server. Example: <P8101>http://10.3.0.78</P8101> <TR069_AcsUrl>http://10.3.0.78</TR069_AcsUrl>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Setting->TR069->ACS URL
Phone UI	Blank
Parameter Example	<P8102>$TR069_AcsUserName$</P8102> <TR069_AcsUserName>$TR069_AcsUrl$</TR069_AcsUserName>
P Value Format	P8102
Description	It configures the TR-069 ACS server user name used to authenticate the phone. Leave it blank if no authentication is required. Example: <P8102>admin</P8102> <TR069_AcsUserName>admin</TR069_AcsUserName>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Setting->TR069->ACS Username
Phone UI	Blank
Parameter Example	<P8103>$TR069_AcsPassword$</P8103> <TR069_AcsPassword>$TR069_AcsUrl$</TR069_AcsPassword>
P Value Format	P8103
Description	It configures the TR-069 ACS server password used to authenticate the phone. Leave it blank if no authentication is required. Example: <P8103>admin</P8103> <TR069_AcsPassword>admin</TR069_AcsPassword>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Setting->TR069->ACS Password
Phone UI	Blank
Parameter Example	<P8104>$TR069_PeriodicInform$</P8104> <TR069_PeriodicInform>$TR069_Enable$</TR069_PeriodicInform>
P Value Format	P8104
Description	If Yes,the phone will enable TR069. 0-No，1-Yes Example: <P8100>0</P8100> <TR069_Enable>0</TR069_Enable>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->TR069->Enable Periodic Inform
Phone UI	Blank
Parameter Example	<P8105>$TR069_InformInterval$</P8105> <TR069_InformInterval>$TR069_AcsUrl$</TR069_InformInterval>
P Value Format	P8105
Description	It configures the interval (in seconds) at which the phone reports its configuration to the ACS server. (It works only if “Enable Periodic Inform” is set to 1 (Enabled)) Example: <P8105>0</P8105> <TR069_InformInterval>admin</TR069_InformInterval>
Permitted Values	unsigned int: 5 ~ 2147483647
Default	60
Web UI	Setting->TR069->Periodic Inform Interval(seconds)
Phone UI	Blank

Parameter Example	<P8106>$TR069_ConReqUserName$</P8106> <TR069_ConReqUserName>$TR069_ConReqUserName$</TR069_ConReqUserName>
P Value Format	P8106
Description	It configures the user name used to authenticate the connection requests from the ACS server. Example: <P8106>admin</P8106> <TR069_ConReqUserName>admin</TR069_ConReqUserName>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Setting->TR069->Connection Request Username
Phone UI	Blank
Parameter Example	<P8107>$TR069_ConReqPassword$</P8107> <TR069_ConReqPassword>$TR069_ConReqPassword$</TR069_ConReqPassword>
P Value Format	P8107
Description	It configures the password used to authenticate the connection requests from the ACS server. Example: <P8107>admin</P8107> <TR069_ConReqPassword>admin</TR069_ConReqPassword>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Setting->TR069->Connection Request Password
Phone UI	Blank

SIP

Parameter Example	<P23112>$HT_SIP_TIMER_T1$</P23112> <SIP_TimerT1>$HT_SIP_TIMER_T1$</SIP_TimerT1>
P Value Format	P23112
Description	The user part of a SIP address.(ms) Example: <P23112>500</P23112> <SIP_TimerT1>500</SIP_TimerT1>
Permitted Values	Int: 500-10000
Default	500
Web UI	Setting->SIP->SIP Session Timer T1(0.5~10s)
Phone UI	Blank
Parameter Example	<P23113>$HT_SIP_TIMER_T2$</P23113> <SIP_TimerT2>$HT_SIP_TIMER_T2$</SIP_TimerT2>
P Value Format	P23113
Description	The user part of a SIP address.(ms) Example: <P23113>4000</P23113> <SIP_TimerT2>4000</SIP_TimerT2>
Permitted Values	Int: 2000-40000
Default	4000
Web UI	Setting->SIP->SIP Session Timer T2(2~40s)
Phone UI	Blank
Parameter Example	<P23114>$HT_SIP_TIMER_T4$</P23114> <SIP_TimerT4>$HT_SIP_TIMER_T4$</SIP_TimerT4>
P Value Format	P23114
Description	The user part of a SIP address.(ms) Example: <P23114>5000</P23114> <SIP_TimerT4>5000</SIP_TimerT4>
Permitted Values	Int: 2500-60000
Default	5000
Web UI	Setting->SIP->SIP Session Timer T4(2.5~60s)
Phone UI	Blank

Proxy Require

Parameter Example	<P197>$ProxyRequire$</P197> <ProfileX_ProxyRequire>$ProxyRequire$</ProfileX_ProxyRequire>
TXT Type Format	Profile1_ProxyRequire, Profile2_ProxyRequire, Profile3_ProxyRequire …
P Value Format	P197, P792, P518, P618, P20428, P20429
Description	It configures the proxy server which is a special item for the Nortel server for account. Example: <P197>192.168.0.200</P197> <Profile1_ProxyRequire>192.168.0.200</Profile1_ProxyRequire> X range from: 1 ~ 6
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Profile->Advanced->Proxy Require
Phone UI	Blank

Check SIP User ID

Parameter Example	<P258>$CheckSIPUserID$</P258> <ProfileX_CheckSIPUserID>$CheckSIPUserID$</ProfileX_CheckSIPUserID>
TXT Type Format	Profile1_CheckSIPUserID, Profile2_CheckSIPUserID, Profile3_CheckSIPUserID …
P Value Format	P258, P458 P567, P667, P1767, P1867
Description	It determines whether the phone checks the SIP user ID. 0-Don't Check，1-Always Check，2-Automatic Example: <P258>0</P258> <Profile1_CheckSIPUserID>1</Profile1_CheckSIPUserID> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Advanced->Check SIP User ID
Phone UI	Blank

100 reliable retransmission

Parameter Example	<P8811>$100rel$</P8811> <ProfileX_100rel>$100rel$</ProfileX_100rel>
TXT Type Format	Profile1_100relr, Profile2_100rel, Profile3_100rel …
P Value Format	P8811, P8812, P8813, P8814, P20458, P20459
Description	It decides whether to enable 100 reliable retransmission for account. 0-Disable，1-Enable Example: <P8811>0</P8811> <Profile1_100rel>1</Profile1_100rel> X range from: 1 ~ 6
Permitted Values	Bool: 0 ~ 1

Default	0
Web UI	Profile->Advanced->100 reliable retransmission
Phone UI	Blank

Voice

Parameter Example	<P5>$HandFreeAGC$</P5> <Voice_HandFreeAGC>$HandFreeAGC$</Voice_HandFreeAGC>
TXT Type Format	Voice_VAD
P Value Format	P5
Description	If Yes,the phone will enable Hand-free AGC. 0-No，1-Yes Example: <P5>0</P5> <Voice_HandFreeAGC>1</Voice_HandFreeAGC>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Voice
Phone UI	Blank
Parameter Example	<P20084>$TT_H_HEADSETMICVOL$</P20084> <Voice_HeadSetSendVolume>$TT_H_HEADSETMICVOL$</Voice_HeadSetSendVolume>
P Value Format	P20084
Description	To Control the headset mic volume. 1: +6dB, 2: +4dB, 3: +2dB, 0: +0dB, 4:-2dB, 5:-4dB, 6:-6dB . Example: <P20084>0</P20084> <Voice_HeadSetSendVolume>0</Voice_HeadSetSendVolume>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Voice->HeadSet Send Volume
Phone UI	Blank
Parameter Example	<P20083>$TT_H_HANDSETMICVOL$</P20083> <Voice_HandSetSendVolume>$TT_H_HANDSETMICVOL$</Voice_HandSetSendVolume>
P Value Format	P20083
Description	To Control the handdset mic volume. 1: +6dB, 2: +4dB, 3: +2dB, 0: +0dB, 4:-2dB, 5:-4dB, 6:-6dB. Example: <P20083>0</P20083> <Voice_HandSetSendVolume>0</Voice_HandSetSendVolume>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Voice->HandSet Send Volume
Phone UI	Blank
Parameter Example	<P249>$HandFree_Send_Volune$</P249> <Preference_HandFreeSendVolume>$HandFree_Send_Volune$ </Preference_HandFreeSendVolume>
P Value Format	P249
Description	HandFree Send Volume：It configures the volume on speakerphone. 0-0dB default，1-+6dB，2-+4dB，3-+2dB，4--2dB，5--4dB，6--6dB Example: <P249>0</P249> <Preference_HandFreeSendVolume>0</Preference_HandFreeSendVolume>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Preference->HandFree Send Volume
Phone UI	Settings->Basic->Sound

Parameter Example	<P24936>$TT_H_Handsetextraloud$</P24936> <Voice_Handsetextraloud>$TT_H_Handsetextraloud$</Voice_Handsetextraloud>
P Value Format	P24936
Description	To control the handset extra loud volume(The volume is range from 0 to 6). Example: <P24936>2</P24936> <Voice_Handsetextraloud>2</Voice_Handsetextraloud>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Voice->Handset extra loud
Phone UI	Blank
Parameter Example	<P24937>$TT_H_Headsetextraloud$</P24937> <Voice_Headsetextraloud>$TT_H_Headsetextraloud$</Voice_Headsetextraloud>
P Value Format	P24937
Description	To control the headset extra loud volume(The volume is range from 0 to 6). Example: <P24937>2</P24937> <Voice_Headsetextraloud>2</Voice_Headsetextraloud>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Voice->Headset extra loud
Phone UI	Blank
Parameter Example	<P24938>$TT_H_Handfreeextraloud$</P24938> <Voice_Handfreeextraloud>$TT_H_Handfreeextraloud$</Voice_Handfreeextraloud>
P Value Format	P24938
Description	To control the handfree extra loud volume(The volume is range from 0 to 6). Example: <P24938>2</P24938> <Voice_Handfreeextraloud>2</Voice_Handfreeextraloud>
Permitted Values	List [0 ~ 6]
Default	0
Web UI	Setting->Voice->Handfree extra loud
Phone UI	Blank
Parameter Example	<P24078>$MuteType$</P24078> <Voice_MuteType>$MuteType$</Voice_MuteType>
P Value Format	P24078
Description	It configures the mute type. 0-Comfort Noise，1-Zero Payload，2-Stop RTP Send Example:<P24078>0</P24078> <Voice_MuteType>0</Voice_MuteType>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Setting->Voice->Mute Type
Phone UI	Blank
Parameter Example	<P50>VAD</P50> <Voice_VAD>VAD</Voice_VAD>
TXT Type Format	Voice_VAD
P Value Format	P50, P750, P550, P695, P20434, P20435

Description	If Yes,the phone will enable VAD. 0-No，1-Yes Example: <P50>0</P50> <Voice_VAD>1</Voice_VAD>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Voice->VAD Enable
Phone UI	Blank
Parameter Example	<P133>$JitterBufferType$</P133> <Voice_JitterBufferType>$JitterBufferType$</Voice_JitterBufferType>
TXT Type Format	Voice_JitterBufferType
P Value Format	P133
Description	It configures the jitter buffer type. 0-Fixed，1-Adaptive Example: <P133>0</P133> <Profile1_JitterBufferType>1</Profile1_JitterBufferType>
Permitted Values	List [0,1]
Default	1
Web UI	Setting->Voice->Jitter Buffer Type
Phone UI	Blank
Parameter Example	<P132>$JitterBufferLength$</P132> <Voice_JitterBufferLength>$JitterBufferLength$</Voice_JitterBufferLength>
TXT Type Format	Voice_JitterBufferLength
P Value Format	P132
Description	It configures jitter buffer length. 0-Low，1-Medium，2-High Example: <P132>0</P132> <Profile1_JitterBufferLength>2</Profile1_JitterBufferLength>
Permitted Values	List [0 ~ 2]
Default	1
Web UI	Setting->Voice->Jitter Buffer Length
Phone UI	Blank
Parameter Example	<P8502>$TT_H_HEADSETSPKVOL$</P8502> <Voice_HeadSetSpkVolume>$TT_H_HEADSETSPKVOL$</Voice_HeadSetSpkVolume>
P Value Format	P8502
Description	To Control the headset spk volume(The volume is range from 0 to 14) Example: <P8502>8</P8502> <Voice_HeadSetSpkVolume>8</Voice_HeadSetSpkVolume>
Permitted Values	Int: 0-14
Default	8
Web UI	Blank
Phone UI	Blank

Parameter Example	<P8500>$TT_H_HANDFREESPKVOL$</P8500> <Voice_HandFreeSpkVolume>$TT_H_HANDFREESPKVOL$</Voice_HandFreeSpkVolume>
P Value Format	P8500
Description	To Control the handfree spk volume(The volume is range from 0 to 14). Example: <P8500>8</P8500> <Voice_HandFreeSpkVolume>8</Voice_HandFreeSpkVolume>
Permitted Values	Int: 0 ~ 14
Default	8
Web UI	Blank
Phone UI	Blank
Parameter Example	<P8501>$TT_H_HANDSETSPKVOL$</P8501> <Voice_HandsetSpkVolume>$TT_H_HANDSETSPKVOL$</Voice_HandsetSpkVolume>
P Value Format	P8501
Description	To Control the handset spk volume(The volume is range from 0 to 14). Example: <P8501>8</P8501> <Voice_HandsetSpkVolume>8</Voice_HandsetSpkVolume>
Permitted Values	Int: 0 ~ 14
Default	8
Web UI	Blank
Phone UI	Blank
Parameter Example	<P25074>$EDRC_Enable$</P25074> <Voice_EDRC_Enable>$EDRC_Enable$</Voice_EDRC_Enable>
P Value Format	P25074
Description	To disable or enable EDRC feature. 0-Disable，1-Low，2-Medium，3-High Example: <P25074>1</P25074> <Voice_EDRC_Enable>1</Voice_EDRC_Enable>
Permitted Values	Bool: 0 ~ 3
Default	1
Web UI	Setting->Voice->EDRC Enable
Phone UI	Blank

Video

Parameter Example	<P25200>$Video_Active$</P25200> <Video_Active>$Video_Active$</Video_Active>
P Value Format	P25200
Description	To Control the Video setting . 0-Disable, 1-Video First, 2-Optional Example: <P25200>1</P25200> <Video_Active>1</Video_Active>
Permitted Values	Int: 0 ~ 2
Default	1
Web UI	Setting-> video->Video Active
Phone UI	Blank

Audio Codec

Parameter Example	<P57>$Choice1$</P57> <ProfileX_Choice1>$Choice1$</ProfileX_Choice1>
TXT Type Format	Profile1_Choice1, Profile2_Choice1, Profile3_Choice1 …
P Value Format	P57, P757, P551, P651, P20392, P20393
Description	choice 1：It configures the vocoder. 0-PCMU, 2-G.726-32, 4-G.723.1, 8-PCMA, 9-G.722, 18-G.729A/B, 20-iLBC, 120-OPUS, 255-None Example: <P57>0</P57> <Profile1_Choice1>2</Profile1_Choice1> X range from: 1 ~ 6
Permitted Values	List [0,2,4,8,9,18,20,120,255]
Default	0
Web UI	Profile->Codec->Choice 1
Phone UI	Blank
Parameter Example	<P58>$Choice2$</P58> <ProfileX_Choice2>$Choice2$</ProfileX_Choice2>
TXT Type Format	Profile1_Choice2, Profile2_Choice2, Profile3_Choice2 …
P Value Format	P58, P758, P552, P652, P20394, P20395
Description	choice 2：It configures the vocoder. 0-PCMU, 2-G.726-32, 4-G.723.1, 8-PCMA, 9-G.722, 18-G.729A/B, 20-iLBC, 120-OPUS, 255-None Example: <P58>0</P58> <Profile1_Choice2>2</Profile1_Choice2> X range from: 1 ~ 6
Permitted Values	List [0,2,4,8,9,18,20,120,255]
Default	8
Web UI	Profile->Codec->Choice 2
Phone UI	Blank
Parameter Example	<P59>$Choice3$</P59> <ProfileX_Choice3>$Choice3$</ProfileX_Choice3>
TXT Type Format	Profile1_Choice3, Profile2_Choice3, Profile3_Choice3 …
P Value Format	P59, P759, P553, P653, P20396, P20397
Description	choice 3：It configures the vocoder. 0-PCMU, 2-G.726-32, 4-G.723.1, 8-PCMA, 9-G.722, 18-G.729A/B, 20-iLBC, 120-OPUS, 255-None Example: <P59>0</P59> <Profile1_Choice3>2</Profile1_Choice3> X range from: 1 ~ 6
Permitted Values	List [0,2,4,8,9,18,20,120,255]
Default	9
Web UI	Profile->Codec->Choice 3
Phone UI	Blank
Parameter Example	<P60>$Choice4$</P60> <ProfileX_Choice4>$Choice4$</ProfileX_Choice4>
TXT Type	Profile1_Choice4, Profile2_Choice4, Profile3_Choice4 …

Format	
P Value Format	P60, P760, P554, P654, P20398, P20399
Description	choice 4：It configures the vocoder. 0-PCMU, 2-G.726-32, 4-G.723.1, 8-PCMA, 9-G.722, 18-G.729A/B, 20-iLBC, 120-OPUS, 255-None Example: <P60>0</P60> <Profile1_Choice4>2</Profile1_Choice4> X range from: 1 ~ 6
Permitted Values	List [0,2,4,8,9,18,20,120,255]
Default	20
Web UI	Profile->Codec->Choice 4
Phone UI	Blank
Parameter Example	<P61>$Choice5$</P61> <ProfileX_Choice5>$Choice5$</ProfileX_Choice5>
TXT Type Format	Profile1_Choice5, Profile2_Choice5, Profile3_Choice5 …
P Value Format	P61, P761, P555, P655, P20400, P20401
Description	choice 5：It configures the vocoder. 0-PCMU, 2-G.726-32, 4-G.723.1, 8-PCMA, 9-G.722, 18-G.729A/B, 20-iLBC, 120-OPUS, 255-None Example: <P61>0</P61> <Profile1_Choice5>2</Profile1_Choice5> X range from: 1 ~ 6
Permitted Values	List [0,2,4,8,9,18,20,120,255]
Default	120
Web UI	Profile->Codec->Choice 5
Phone UI	Blank
Parameter Example	<P62>$Choice6$</P62> <ProfileX_Choice6>$Choice6$</ProfileX_Choice6>
TXT Type Format	Profile1_Choice6, Profile2_Choice6, Profile3_Choice6 …
P Value Format	P62, P762, P556, P656, P20402, P20403
Description	choice 6：It configures the vocoder. 0-PCMU, 2-G.726-32, 4-G.723.1, 8-PCMA, 9-G.722, 18-G.729A/B, 20-iLBC, 120-OPUS, 255-None Example: <P62>0</P62> <Profile1_Choice6>2</Profile1_Choice6> X range from: 1 ~ 6
Permitted Values	List [0,2,4,8,9,18,20,120,255]
Default	2
Web UI	Profile->Codec->Choice 6
Phone UI	Blank
Parameter Example	<P37>$PTime$</P37> <ProfileX_PTime>$PTime$</ProfileX_PTime>
TXT Type Format	Profile1_PTime, Profile2_PTime, Profile3_PTime …
P Value Format	P37, P737, P537, P637, P20408, P20409

Description	It configures the ptime (in milliseconds) for the codec for account. 1-10，2-20，3-30，4-40，5-50，6-60 Example: <P37>1</P37> <Profile1_PTime>2</Profile1_PTime> X range from: 1 ~ 6
Permitted Values	List [1 ~ 6]
Default	1
Web UI	Profile->Codec->PTime
Phone UI	Blank
Parameter Example	<P49>$G723Rate$</P49> <ProfileX_G723Rate>$G723Rate$</ProfileX_G723Rate>
TXT Type Format	Profile1_G723Rate, Profile2_G723Rate, Profile3_G723Rate …
P Value Format	P49, P749, P559, P659, P20410, P20411
Description	It configures G723 Rate. 0-6.3kbps encoding rate, 1-5.3kbps encoding rate Example: <P49>0</P49> <Profile1_G723Rate>1</Profile1_G723Rate> X range from: 1 ~ 6
Permitted Values	List [0,1]
Default	0
Web UI	Profile->Codec->G723 Rate
Phone UI	Blank
Parameter Example	<P394>$LibcMode$</P394> <ProfileX_LibcMode>$LibcMode$</ProfileX_LibcMode>
TXT Type Format	Profile1_LibcMode, Profile2_LibcMode, Profile3_LibcMode …
P Value Format	P394, P395, P396, P397, P20414, P20415
Description	It configures the iLBC mode for account. 0-20ms mode,1-30ms mode Example: <P394>0</P394> <Profile1_LibcMode>1</Profile1_LibcMode> X range from: 1 ~ 6
Permitted Values	List [0,1]
Default	0
Web UI	Profile->Codec->iLBC mode
Phone UI	Blank

Video Codec

Parameter Example	<P25201>$VideoCodecEnableList$</P25201> <ProfileX_VideoCodecEnableList>$VideoCodecEnableList$</ProfileX_VideoCodecEnableList>
TXT Type Format	Profile1_VideoCodecEnableList, Profile2_VideoCodecEnableList, Profile3_VideoCodecEnableList…
P Value Format	P25201,P25202,P25203,P25204,P25205,P25206
Description	VideoCodecEnableList：It configures enbled the video decoder. Example: <P25201>H264,</P25201> <Profile1_VideoCodecEnableList>H264,</Profile1_VideoCodecEnableList> X range from: 1 ~ 6
Permitted Values	String;maxlength 0-1023
Default	Blank
Web UI	Profile->Codec->Video Codec->Enable
Phone UI	Blank
Parameter Example	<P25207>$VideoCodecDisableList$</P25207> <ProfileX_VideoCodecDisableList>$VideoCodecDisableList$</ProfileX_VideoCodecDisableList>
TXT Type Format	Profile1_VideoCodecDisableList, Profile2_VideoCodecDisableList, Profile3_VideoCodecDisableList…
P Value Format	P25207,P25208,P25209,P25210,P25211,P25212
Description	VideoCodecDisableList：It configures disabled the video decoder. Example: <P25207>VP8,</P25207> <Profile1_VideoCodecDisableList>VP8,</Profile1_VideoCodecDisableList> X range from: 1 ~ 6
Permitted Values	String;maxlength 0-1023
Default	Blank
Web UI	Profile->Codec->Video Codec->Disable
Phone UI	Blank
Parameter Example	<P25213>$PacketizationMode$</P25213> <ProfileX_PacketizationMode>$PacketizationMode$</ProfileX_PacketizationMode>
TXT Type Format	Profile1_PacketizationMode, Profile2_PacketizationMode, Profile3_PacketizationMode…
P Value Format	P25213,P25214,P25215,P25216,P25217,P25218
Description	PacketizationMode：It configures the packing mode of video. 0-Single NAL unit mode,1-Non-interleaved mode,2-Prefer non-interleaved mode Example: <P25213>1</P25213> <Profile1_PacketizationMode>1</Profile1_PacketizationMode> X range from: 1 ~ 6
Permitted Values	Int:0~2
Default	1
Web UI	Profile->Codec->Packatolition Mode
Phone UI	Blank

SRTP

Parameter Example	<P183>$SRtpMode$</P183> <ProfileX_SRtpMode>$SRtpMode$</ProfileX_SRtpMode>
TXT Type Format	Profile1_SRtpMode, Profile2_SRtpMode, Profile3_SRtpMode …
P Value Format	P183, P443, P543, P643, P20432, P20433
Description	SRTP Mode：It configures the SRTP mode for account. 0-Disabled, 1-SRTP enabled but not forced, 2-SRTP enabled and required Example: <P183>0</P183> <Profile1_SRtpMode>2</Profile1_SRtpMode> X range from: 1 ~ 6
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Profile->Advanced->SRTP Mode
Phone UI	Blank

Firmware upgrade

Parameter Example	<P20165>$PnPActive$</P20165> <FirmwareUpGrade_PnPActive>$PnPActive$</FirmwareUpGrade_PnPActive>
P Value Format	P20165
Description	Enable/disable the phone sending requests to the server to obtain the URL for downloading firmware updates. 0-No,1-Yes Example: <P20165>1</P20165> <FirmwareUpGrade_PnPActive>1</FirmwareUpGrade_PnPActive>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->AutoProvision->PnP Active
Phone UI	Blank
Parameter Example	<P212>$UrgrateMode$</P212> <FirmwareUpGrade_UrgrateMode>$UrgrateMode$</FirmwareUpGrade_UrgrateMode>
P Value Format	P212
Description	It configures IP Phone Firmware Upgrade mode. Example: <P212>1</P212> <FirmwareUpGrade_UrgrateMode>1</FirmwareUpGrade_UrgrateMode> 0-TFTP, 1-HTTP, 2-FTP, 3-HTTPS
Permitted Values	List [0 ~ 3]
Default	1
Web UI	Management->AutoProvision
Phone UI	Settings->Advanced->Auto Provision
Parameter Example	<P192>$FirmwareServerPath$</P192> <FirmwareUpGrade_FirmwareServerPath>$FirmwareServerPath$ </FirmwareUpGrade_FirmwareServerPath>
P Value Format	P192

Description	It configures IP Phone firmware upgrade server path. Example: <P192>http://fm.Company.com/fm</P192> <FirmwareUpGrade_FirmwareServerPath> http://fm.Company.com/fm </FirmwareUpGrade_FirmwareServerPath>
Permitted Values	string;maxlength: 0-255
Default	http://fm. Company.com/fm
Web UI	Management->AutoProvision
Phone UI	Settings->Advanced->Auto Provision
Parameter Example	<P237>$ConfigServerPath$</P237> <FirmwareUpGrade_ConfigServerPath>$ConfigServerPath$ </FirmwareUpGrade_ConfigServerPath>
P Value Format	P237
Description	It configures IP Phone firmware upgrade config server path. Example: <P237>https://rps. Company.com/index.php/fn/g</P237> <FirmwareUpGrade_ConfigServerPath>https://rps. Company.com/index.php/fn/g </FirmwareUpGrade_ConfigServerPath>
Permitted Values	string;maxlength: 0-255
Default	https://rps. Company.com/index.php/fn/g
Web UI	Management->AutoProvision
Phone UI	Settings->Advanced->Auto Provision
Parameter Example	<P1145>$AllowDHCPOption$</P1145> <FirmwareUpGrade_AllowDHCPOption>$AllowDHCPOption$ </FirmwareUpGrade_AllowDHCPOption>
P Value Format	P1145
Description	Configure which DHCP Option be used to get the config server path Example: <P1145>66</P1145> <FirmwareUpGrade_AllowDHCPOption>66</FirmwareUpGrade_AllowDHCPOption>
Permitted Values	string;maxlength: 0-5
Default	66
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25073>$SeverPnpPort$</P25073> <FirmwareUpGrade_SeverPnpPort>SeverPnpPort$</FirmwareUpGrade_SeverPnpPort>
P Value Format	P25073
Description	It configures the pnp server port. Example: <P25073>5060</P25073> <FirmwareUpGrade_SeverPnpPort>5060</FirmwareUpGrade_SeverPnpPort>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Management->AutoProvision->Server Pnp Port
Phone UI	Blank
Parameter Example	<P25091>$Disable$</P25091> <FirmwareUpGrade_AllowDHCPOption>$Disable$</FirmwareUpGrade_AllowDHCPOption>
P Value Format	P25091
Description	It configures wether use DHCP Option 66 server as the firmware URL. Example: <P25091>0</P25091> <FirmwareUpGrade_AllowDHCPOption>0</FirmwareUpGrade_AllowDHCPOption>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->AutoProvision
Phone UI	Blank

Parameter Example	<P194>$AutoUpgrade$</P194> <FirmwareUpGrade_AutoUpgrade>$AutoUpgrade$</FirmwareUpGrade_AutoUpgrade>
P Value Format	P194
Description	It configures whether the phone has automatic upgrade function enabled. Example: <P194>1</P194> <FirmwareUpGrade_AutoUpgrade>1</FirmwareUpGrade_AutoUpgrade> 0-no, 1-yes
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25020>On</P25020> <AutoUpgrade_PowerOnStart>On</AutoUpgrade_PowerOnStart>
P Value Format	P25020
Description	It is used to configure whether to automatically upgrade when booting. Example: <P25020>1</P25020> <AutoUpgrade_PowerOnStart>1</AutoUpgrade_PowerOnStart>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25021>On</P25021> <AutoUpgrade_Repeatedly>On</AutoUpgrade_Repeatedly>
P Value Format	P25021
Description	It is used to configure whether to repeat the upgrade regularly. Example: <P25021>1</P25021> <AutoUpgrade_Repeatedly>1</AutoUpgrade_Repeatedly>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25022>On</P25022> <AutoUpgrade_Weekly>On</AutoUpgrade_Weekly>
P Value Format	P25022
Description	It is used to configure whether upgrade weekly. Example: <P25022>1</P25022> <AutoUpgrade_Weekly>1</AutoUpgrade_Weekly>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25023>$WeeklyInterval$</P25023> <AutoUpgrade_WeeklyInterval>$WeeklyInterval$</AutoUpgrade_WeeklyInterval>
P Value Format	P25023
Description	It is used to configure to update every few weeks. Example: <P25023>1</P25023> <AutoUpgrade_WeeklyInterval>1</AutoUpgrade_WeeklyInterval>
Permitted Values	int: 0 ~ 12
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank

Parameter Example	<P25024>$WeeklyDelay$</P25024> <AutoUpgrade_WeeklyDelay>$WeeklyDelay$</AutoUpgrade_WeeklyDelay>
P Value Format	P25024
Description	It configures the delay time (in minutes) to perform an auto provisioning process when the IP phone is inactive at regular week. Example: <P25024>120</P25024> <AutoUpgrade_WeeklyDelay>120</AutoUpgrade_WeeklyDelay>
Permitted Values	int: 0 ~ 120
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25025>$StartHour$</P25025> <AutoUpgrade_Weekly_StartHour>$StartHour$</AutoUpgrade_Weekly_StartHour>
P Value Format	P25025
Description	It configures the begin hour of the day for the IP phone to perform an auto provisioning process weekly. Example: <P25025>0</P25025> <AutoUpgrade_Weekly_StartHour>0</AutoUpgrade_Weekly_StartHour>
Permitted Values	int: 0 ~ 23
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25026>$StartMinute$</P25026> <AutoUpgrade_Weekly_StartMinute>$StartMinute$</AutoUpgrade_Weekly_StartMinute>
P Value Format	P25026
Description	It configures the begin minute of the day for the IP phone to perform an auto provisioning process weekly. Example: <P25026>0</P25026> <AutoUpgrade_Weekly_StartMinute>0</AutoUpgrade_Weekly_StartMinute>
Permitted Values	int: 0 ~ 59
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25027>$EndHour$</P25027> <AutoUpgrade_Weekly_EndHour>$EndHour$</AutoUpgrade_Weekly_EndHour>
P Value Format	P25027
Description	It configures the end hour of the day for the IP phone to perform an auto provisioning process weekly. Example: <P25027>0</P25027> <AutoUpgrade_Weekly_EndHour>120</AutoUpgrade_Weekly_EndHour>
Permitted Values	int: 0 ~ 23
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25028>$EndMinute$</P25028> <AutoUpgrade_Weekly_StartHour>$EndMinute$</AutoUpgrade_Weekly_StartHour>
P Value Format	P25028
Description	It configures the end minute of the day for the IP phone to perform an auto provisioning process weekly. Example: <P25028>0</P25028> <AutoUpgrade_Weekly_StartHour>0</AutoUpgrade_Weekly_StartHour>
Permitted Values	int: 0 ~ 59
Default	0

Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25029>$Disable$</P25029> <AutoUpgrade_Weekly_EnableMonday>$Disable$</AutoUpgrade_Weekly_EnableMonday>
P Value Format	P25029
Description	It configures wether auto upgrade on Monday. Example: <P25029>0</P25029> <AutoUpgrade_Weekly_EnableMonday>0</AutoUpgrade_Weekly_EnableMonday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25030>$Disable$</P25030> <AutoUpgrade_Weekly_EnableTuesday>$Disable$</AutoUpgrade_Weekly_EnableTuesday>
P Value Format	P25030
Description	It configures wether auto upgrade on Tuesday. Example: <P25030>0</P25030> <AutoUpgrade_Weekly_EnableTuesday>0</AutoUpgrade_Weekly_EnableTuesday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25031`>$Disable$</P25031> <AutoUpgrade_Weekly_EnableWednesday>$Disable$ </AutoUpgrade_Weekly_EnableWednesday>
P Value Format	P25031
Description	It configures wether auto upgrade on Wednesday. Example: <P25031>0</P25031> <AutoUpgrade_Weekly_EnableWednesday>0</AutoUpgrade_Weekly_EnableWednesday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25032>$Disable$</P25032> <AutoUpgrade_Weekly_EnableThursday>$Disable$</AutoUpgrade_Weekly_EnableThursday>
P Value Format	P25032
Description	It configures wether auto upgrade on Thursday. Example: <P25032>0</P25032> <AutoUpgrade_Weekly_EnableThursday>0</AutoUpgrade_Weekly_EnableThursday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25033>$Disable$</P25033> <AutoUpgrade_Weekly_EnableFriday>$Disable$ </AutoUpgrade_Weekly_EnableFriday>
P Value Format	P25033
Description	It configures wether auto upgrade on Friday. Example: <P25033>0</P25033> <AutoUpgrade_Weekly_EnableFriday>0</AutoUpgrade_Weekly_EnableFriday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision

Phone UI	Blank
Parameter Example	<P25034>$Disable$</P25034> <AutoUpgrade_Weekly_EnableSaturday>$Disable$ </AutoUpgrade_Weekly_EnableSaturday>
P Value Format	P25034
Description	It configures wether auto upgrade on Saturday. Example: <P25034>0</P25034> <AutoUpgrade_Weekly_EnableSaturday>0 </AutoUpgrade_Weekly_EnableSaturday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25035>$Disable$</P25035> <AutoUpgrade_Weekly_EnableSunday>$Disable$ </AutoUpgrade_Weekly_EnableSunday>
P Value Format	P25035
Description	It configures wether auto upgrade on Sunday. Example: <P25035>0</P25035> <AutoUpgrade_Weekly_EnableSunday>0 </AutoUpgrade_Weekly_EnableSunday>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25036>$Disable$</P25036> <AutoUpgrade_Weekly_Flexible>$Disable$</AutoUpgrade_Weekly_Flexible>
P Value Format	P25036
Description	It triggers the flexible feature to on or off. Example: <P25036>0</P25036> <AutoUpgrade_Weekly_Flexible>0</AutoUpgrade_Weekly_Flexible>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25037>$FlexibleInterval$</P25037> <AutoUpgrade_Weekly_FlexibleInterval>$FlexibleInterval$ </AutoUpgrade_Weekly_FlexibleInterval>
P Value Format	P25037
Description	It configures the interval (in days) for the IP phone to perform an auto provisioning process. Example: <P25037>1</P25037> <AutoUpgrade_Weekly_FlexibleInterval>1 </AutoUpgrade_Weekly_FlexibleInterval>
Permitted Values	int: 1 ~ 1000
Default	1
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25038>$StartHour$</P25038> <AutoUpgrade_Weekly_FlexibleStartHour>$StartHour$ </AutoUpgrade_Weekly_FlexibleStartHour>
P Value Format	P25038
Description	It configures the begin hour of the day for the IP phone auto upgrade Flexible . Example: <P25038>0</P25038> <AutoUpgrade_Weekly_FlexibleStartHour>0 </AutoUpgrade_Weekly_FlexibleStartHour>
Permitted Values	int: 0 ~ 23

Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25039>$StartMinute$</P25039> <AutoUpgrade_Weekly_FlexibleStartMinute>$StartMinute$ </AutoUpgrade_Weekly_FlexibleStartMinute>
P Value Format	P25039
Description	It configures the begin minute of the day for the IP phone auto upgrade Flexible . Example: <P25039>0</P25039> <AutoUpgrade_Weekly_FlexibleStartMinute>0 </AutoUpgrade_Weekly_FlexibleStartMinute>
Permitted Values	int: 0 ~ 59
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25040>$EndHour$</P25040> <AutoUpgrade_Weekly_FlexibleEndHour>$EndHour$ </AutoUpgrade_Weekly_FlexibleEndHour>
P Value Format	P25027
Description	It configures the end hour of the day for the IP phone auto upgrade Flexible . Example: <P25040>0</P25040> <AutoUpgrade_Weekly_FlexibleEndHour>120 </AutoUpgrade_Weekly_FlexibleEndHour>
Permitted Values	int: 0 ~ 23
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P25041>$EndMinute$</P25041> <AutoUpgrade_Weekly_FlexibleEndMinute>$EndMinute$ </AutoUpgrade_Weekly_FlexibleEndMinute>
P Value Format	P25041
Description	It configures the end minute of the day for the IP phone auto upgrade Flexible . Example: <P25041>0</P25041> <AutoUpgrade_Weekly_FlexibleEndMinute>0 </AutoUpgrade_Weekly_FlexibleEndMinute>
Permitted Values	int: 0 ~ 59
Default	0
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P238>$CheckMode$</P238> <FirmwareUpGrade_CheckMode>$CheckMode$</FirmwareUpGrade_CheckMode>
P Value Format	P238
Description	It configures the firmware checking mode of the phone when upgrading firmware. Example: <P238>0</P238> <FirmwareUpGrade_CheckMode>0</FirmwareUpGrade_CheckMode> 0- Always Check For New Firmware 1-check new firmware only when F/W pre/suffix changes 2-Always Skip The Firmware Check
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Management->AutoProvision->Upgrade Check Mode
Phone UI	Settings->Advanced->Auto Provision->Upgrade Mode
Parameter Example	<P240>$AuthenticateCfgFile$</P240> <FirmwareUpGrade_AuthenticateCfgFile>$AuthenticateCfgFile$ </FirmwareUpGrade_AuthenticateCfgFile>

P Value Format	P240
Description	cfg file would be authenticated before acceptance if set to Yes. Example: <P240>0</P240> <FirmwareUpGrade_AuthenticateCfgFile>0</FirmwareUpGrade_AuthenticateCfgFile> 0-no, 1-yes
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision->Authenticate Cfg File
Phone UI	Blank
Parameter Example	<P8631>$SetCommonAESKey$</P8631> <FirmwareUpGrade_SetCommonAESKey>$SetCommonAESKey$ </FirmwareUpGrade_SetCommonAESKey>
P Value Format	P8631
Description	It configures the plaintext AES key for decrypting the Common CFG file.. Example: <P8631>001FC120180808</P8631> <FirmwareUpGrade_SetCommonAESKey>001FC120180808 </FirmwareUpGrade_SetCommonAESKey>
Permitted Values	string;maxlength: 0-16
Default	001FC120180808
Web UI	Management->AutoProvision->Set Common AES Key
Phone UI	Blank
Parameter Example	<P24886>$IfDelProvFilesIfPathBlank$</P24886> <IfDelProvFilesIfPathBlank>$IfDelProvFilesIfPathBlank$</IfDelProvFilesIfPathBlank>
P Value Format	P24886
Description	Delete Provisioned Resource Files If Server Path Blank. 0-No，1-Yes Example: <P24886>0</P24886> <IfDelProvFilesIfPathBlank>1</IfDelProvFilesIfPathBlank>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision->Delete Provisioned Resource Files If Server Path Blank
Phone UI	Blank
Parameter Example	<P20933>$ZeroTouchEnable$</P20933> <FirmwareUpGrade_ZeroTouchEnable>$ZeroTouchEnable$ </FirmwareUpGrade_ZeroTouchEnable>
P Value Format	P20933
Description	It configures whether to enable Zero Touch Time. 0-No,1-Yes Example: <P20933>0</P20933> <FirmwareUpGrade_ZeroTouchEnable>1</FirmwareUpGrade_ZeroTouchEnable>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision->Zero Active
Phone UI	Blank
Parameter Example	<P20932>$ZeroTouchTime$</P20932> <FirmwareUpGrade_ZeroTouchTime>$ZeroTouchTime$ </FirmwareUpGrade_ZeroTouchTime>
P Value Format	P20932
Description	It configures the zero touch time. Example: <P20932>5</P20932> <FirmwareUpGrade_ZeroTouchTime>5</FirmwareUpGrade_ZeroTouchTime>
Permitted Values	string;maxlength: 0-16

Default	Blank
Web UI	Management->AutoProvision->Wait Time(1~100s)
Phone UI	Blank
Parameter Example	<P23132>$UpgradeEXPRom$</P23132> <FirmwareUpGrade_UpgradeEXPRom>$UpgradeEXPRom$ </FirmwareUpGrade_UpgradeEXPRom>
P Value Format	P23132
Description	It configures whether the phone is enabled to upgrade the EXP. Example: <P23132>0</P23132> <FirmwareUpGrade_UpgradeEXPRom>0</FirmwareUpGrade_UpgradeEXPRom> 0-no, 1-yes
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision->Upgrade EXP Firmware
Phone UI	Blank
Parameter Example	<P1360>$UserName$</P1360> <FirmwareUpGrade_UserName>$UserName$</FirmwareUpGrade_UserName>
P Value Format	P1360
Description	It configures the username of the HTTP/FTP/HTTPS server. Example: <P1360>admin</P1360> <FirmwareUpGrade_UserName>admin</FirmwareUpGrade_UserName>
Permitted Values	string;maxlength: 0-31
Default	Blank
Web UI	Management->AutoProvision->HTTP/FTP/HTTPS UserName
Phone UI	Settings->Advanced->Auto Provision->User Name
Parameter Example	<P1361>$Password$</P1361> <FirmwareUpGrade_Password>$Password$</FirmwareUpGrade_Password>
P Value Format	P1361
Description	It configures the password of the HTTP/FTP/HTTPS server. Example: <P1361>123456</P1361> <FirmwareUpGrade_Password>123456</FirmwareUpGrade_Password>
Permitted Values	string;maxlength: 0-31
Default	Blank
Web UI	Management->AutoProvision->HTTP/FTP/HTTPS Password
Phone UI	Settings->Advanced->Auto Provision->Password
Parameter Example	<P232>$FilePrefix$</P232> <FirmwareUpGrade_FilePrefix>$FilePrefix$</FirmwareUpGrade_FilePrefix>
P Value Format	P232
Description	It configures the prefix of Firmware/Config file. Example: <P232>20_</P232> <FirmwareUpGrade_FilePrefix>20_</FirmwareUpGrade_FilePrefix>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Management->AutoProvision->Firmware/Config File Prefix
Phone UI	Blank
Parameter Example	<P233>$FilePostfix$</P233> <FirmwareUpGrade_FilePostfix>$FilePostfix$</FirmwareUpGrade_FilePostfix>
P Value Format	P233
Description	It configures the Postfix of Firmware/Config file. Example: <P233>_20</P233> <FirmwareUpGrade_FilePostfix>_20</FirmwareUpGrade_FilePostfix>
Permitted Values	string;maxlength: 0-32
Default	Blank

Web UI	Management->AutoProvision->Firmware/Config File Postfix
Phone UI	Blank
Parameter Example	<P25050>$UpgradePriority$</P25050> <FirmwareUpGrade_UpgradePriority>$UpgradePriority$</FirmwareUpGrade_UpgradePriority>
P Value Format	P25050
Description	Top down priority. The first value is checked when the phone is upgraded. 1-upgrade by PNP, 2-upgrade by DHCP-Option, 3- upgrade by Config-Path Example: <P25050>123</P25050> <FirmwareUpGrade_UpgradePriority>123</FirmwareUpGrade_UpgradePriority>
Permitted Values	string: 0, 123, 132,213,231,312,321
Default	123
Web UI	Management->AutoProvision-> Server Pnp Port
Phone UI	Blank
Parameter Example	<P24882>$CustomerRomName$</P24882> <FirmwareUpGrade_CustomRomName>$CustomerRomName$ </FirmwareUpGrade_CustomRomName>
P Value Format	P24882
Description	It Configures the custom Rom name, must be end with '.rom'. Example: <P24882>fw123.rom</P24882> <FirmwareUpGrade_CustomRomName>fw123.rom</FirmwareUpGrade_CustomRomName>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24883>$fixUseControl$</P24883> <fixUseControl>$fixUseControl$</fixUseControl>
P Value Format	P24883
Description	It configures the pre/postfix control for the phone. 0-ForFirmware，1-ForConfigure，2-BothEnable，3-BothDisable Example: <P24883>0</P24883> <fixUseControl>3</fixUseControl>
Permitted Values	List [0 ~ 3]
Default	0
Web UI	Management->AutoProvision->Pre/Postfix Control
Phone UI	Blank
Parameter Example	<P25071>HT_RPCAPD_ENABLE</P25071> <Tools_Rpcapd>HT_RPCAPD_ENABLE</Tools_Rpcapd>
P Value Format	P25071
Description	To Enable the Rpcapd Function. 0-Disable，1-Enable Example: <P25071>0</P25071> <Tools_Rpcapd>0</Tools_Rpcapd>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->Tools->Rpcapd
Phone UI	Blank

Access URL of the resource file

Ring Server Path

Parameter Example	<P20174>$RingUrl$</P20174> <FirmwareUpGrade_RingUrl>$RingUrl$</FirmwareUpGrade_RingUrl>
P Value Format	P20174
Description	It configures the ring server path of the assigned ringtone. Example: <P20174>192.168.0.200/ringTone</P20174> <FirmwareUpGrade_RingUrl>192.168.0.200/ringTone</FirmwareUpGrade_RingUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Ring Server Path
Phone UI	Blank

Language Server URL

Parameter Example	<P20175>$LanguageUrl$</P20175> <FirmwareUpGrade_LanguageUrl>$LanguageUrl$</FirmwareUpGrade_LanguageUrl>
P Value Format	P20175
Description	It configures the language server URL of the assigned language. Example: <P20175>http://192.168.0.200/Language.tar</P20175> <FirmwareUpGrade_LanguageUrl>http://192.168.0.200/Language.tar </FirmwareUpGrade_LanguageUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Language Server URL
Phone UI	Blank

hlpres Server URL

Parameter Example	<P20176>$HlpresUrl$</P20176> <FirmwareUpGrade_HlpresUrl>$HlpresUrl$</FirmwareUpGrade_HlpresUrl>
P Value Format	P20176
Description	It configures the hlpres server URL of the assigned resource. Example: <P20176>http://192.168.0.200/hlpres.tar</P20176> <FirmwareUpGrade_HlpresUrl>http://192.168.0.200/hlpres.tar</FirmwareUpGrade_HlpresUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->hlpres Server URL
Phone UI	Blank

exp_res Server URL

Parameter Example	<P20177>$ExpPresUrl$</P20177> <FirmwareUpGrade_ExpPresUrl>$ExpPresUrl$</FirmwareUpGrade_ExpPresUrl>
P Value Format	P20177
Description	It configures the exp_res server URL of the assigned avatar. Example: <P20177>http://192.168.0.200/exp_res.tar</P20177> <FirmwareUpGrade_ExpPresUrl>http://192.168.0.200/exp_res.tar</FirmwareUpGrade_ExpPresUrl>

Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Blank
Phone UI	Blank

VPN Server URL

Parameter Example	<P20178>$VPNUrl$</P20178> <FirmwareUpGrade_VPNUrl>$VPNUrl$</FirmwareUpGrade_VPNUrl>
P Value Format	P20178
Description	It configures the VPN server URL. Example: <P20178>http://192.168.0.200/phoneclient.tar</P20178> <FirmwareUpGrade_VPNUrl>http://192.168.0.200/phoneclient.tar</FirmwareUpGrade_VPNUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->VPN Server URL
Phone UI	Blank

Trusted CA Server URL

Parameter Example	<P20179>$TCAUrl$</P20179> <FirmwareUpGrade_TCAUrl>$TCAUrl$</FirmwareUpGrade_TCAUrl>
P Value Format	P20179
Description	It configures the trusted CA server URL. Example: <P20179>http://192.168.0.200/root_cert_12.crt</P20179> <FirmwareUpGrade_TCAUrl>http://192.168.0.200/root_cert_12.crt</FirmwareUpGrade_TCAUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Trusted CA Server URL
Phone UI	Blank

Server CA Server URL

Parameter Example	<P20180>$SCAUrl$</P20180> <FirmwareUpGrade_SCAUrl>$SCAUrl$</FirmwareUpGrade_SCAUrl>
P Value Format	P20180
Description	It configures the server CA server URL. Example: <P20180>http://192.168.0.200/ca.crt</P20180> <FirmwareUpGrade_SCAUrl>http://192.168.0.200/ca.crt</FirmwareUpGrade_SCAUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Server CA Server URL
Phone UI	Blank

Screensaver Server URL

Parameter Example	<P20051>$ScreensaverServerURL$</P20051> <FirmwareUpGrade_ScreensaverServerURL>$ScreensaverServerURL$ </FirmwareUpGrade_ScreensaverServerURL>
P Value Format	P20051

Description	It configures the screensaver server URL. Example: <P20051>http://192.168.0.200/000_7.png</P20051> <FirmwareUpGrade_ScreensaverServerURL>http://192.168.0.200/000_7.png </FirmwareUpGrade_ScreensaverServerURL>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Screensaver Server URL
Phone UI	Blank

Wallpaper Server URL

Parameter Example	<P20052>$WallpaperServerURL$</P20052> <FirmwareUpGrade_WallpaperServerURL>$WallpaperServerURL$ </FirmwareUpGrade_WallpaperServerURL>
P Value Format	P20052
Description	It configures the wallpaper server URL. Example: <P20052>http://192.168.0.200/000_7.png</P20052> <FirmwareUpGrade_WallpaperServerURL>http://192.168.0.200/000_7.png </FirmwareUpGrade_WallpaperServerURL>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Wallpaper Server URL
Phone UI	Blank

Web Logo Server URL

Parameter Example	<P24885>$WebLogoServerURL$</P24885> <WebLogoServerURL>$fixUseControl$</WebLogoServerURL>
P Value Format	P24885
Description	It configures the web logo server URL for the phone. Example: <P24885>http://10.3.0.100/1</P24885> <WebLogoServerURL>http://10.3.0.100/1</WebLogoServerURL>
Permitted Values	string;maxlength: 0-255
Default	0
Web UI	Management->AutoProvision->Web Logo Server URL
Phone UI	Blank

Exp ScreenSaver URL

Parameter Example	<P24795>$ExpScreenSaverURL$</P24795> <FirmwareUpGrade_ExpScreenSaverURL>$ExpScreenSaverURL$ </FirmwareUpGrade_ExpScreenSaverURL>
P Value Format	P24795
Description	It configures the address assigned by the expansion board screen saver. Example: <P24795>http://10.3.0.40/exp/screensaver1.jpg</P24795> <FirmwareUpGrade_ExpScreenSaverURL>http://10.3.0.40/exp/screensaver1.jpg </FirmwareUpGrade_ExpScreenSaverURL>
Permitted Values	string;maxlength: 0-31
Default	Blank
Web UI	Management->AutoProvision->Exp Server Setting->Exp ScreenSaver URL
Phone UI	Blank

8021x CA cert URL

Parameter Example	<P20987>$8021X_CA_Cert_URL$</P20987> <FirmwareUpGrade_8021X_CA_Cert_URL>$8021X_CA_Cert_URL$ </FirmwareUpGrade_8021X_CA_Cert_URL>
P Value Format	P20987

Description	It configures the 8021x CA cert server path. Example: <P20987>http://192.168.0.121:566/Cert</P20987> <FirmwareUpGrade_8021X_CA_Cert_URL>http://192.168.0.121:566/Cert</FirmwareUpGrade_8021X_CA_Cert_URL>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->8021x CA cert URL
Phone UI	Blank

8021x DEV cert URL

Parameter Example	<P20988>$8021X_DEV_Cert_URL$</P20988> <FirmwareUpGrade_8021X_DEV_Cert_URL>$8021X_DEV_Cert_URL$</FirmwareUpGrade_8021X_DEV_Cert_URL>
P Value Format	P20988
Description	It configures the 8021x DEV cert server path. Example: <P20988>http://192.168.0.121:566/Cert</P20988> <FirmwareUpGrade_8021X_DEV_Cert_URL>http://192.168.0.121:566/Cert</FirmwareUpGrade_8021X_DEV_Cert_URL>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->8021x DEV cert URL
Phone UI	Blank

Call Operation Button Layout URL

Parameter Example	<P25229>$SoftkeyLayoutUrl$</P25229> <FirmwareUpGrade_SoftkeyLayoutUrl>$SoftkeyLayoutUrl$</FirmwareUpGrade_SoftkeyLayoutUrl>
P Value Format	P25229
Description	It Configures the url for Softkey Layout file . Example: <P25229>192.168.0.121:81/style.xml</P25229> <FirmwareUpGrade_SoftkeyLayoutUrl>192.168.0.121:81/softkeylayout.xml</FirmwareUpGrade_SoftkeyLayoutUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision-> Call Operation Button Layout URL
Phone UI	Blank

Application Active URL

Parameter Example	<P25231>$AndroidAppActionUrl$</P25231> <FirmwareUpGrade_AndroidAppActionUrl>$AndroidAppActionUrl$</FirmwareUpGrade_AndroidAppActionUrl>
P Value Format	P25231
Description	It Configures the app XML file server path. Example: <P25231>192.168.0.121:81/app.xml</P25231> <FirmwareUpGrade_AndroidAppActionUrl>192.168.0.121:81/app.xml</FirmwareUpGrade_AndroidAppActionUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision-> Application Active URL
Phone UI	Blank

Style Xml URL

Parameter Example	<P24982>$StyleXmlUrl$</P24982> <FirmwareUpGrade_StyleXmlUrl>$StyleXmlUrl$</FirmwareUpGrade_StyleXmlUrl>
P Value Format	P24982
Description	It Configures the style XML file server path. Example: <P24982>192.168.0.121:81/style.xml</P24982> <FirmwareUpGrade_StyleXmlUrl>192.168.0.121:81/style.xml</FirmwareUpGrade_StyleXmlUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision-> Style Xml URL
Phone UI	Blank

Exp Server Setting

Parameter Example	<P40002>$ExpServer$</P40002> <FirmwareUpGrade_ExpServer>$ExpServer$</FirmwareUpGrade_ExpServer>
P Value Format	P40002
Description	It configures the IP address or domain name of the Exp upgrade server. Example: <P40002>http://192.168.0.200</P40002> <FirmwareUpGrade_ExpServer>http://192.168.0.200</FirmwareUpGrade_ExpServer>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision->Exp Server Setting->Exp Upgrade Server
Phone UI	Blank
Parameter Example	<P40001>$Disable$</P40001> <HDMS_Enable>$Disable$</HDMS_Enable>
P Value Format	P40001
Description	It configures wether use self as server . Example: <P40001>0</P40001> <HDMS_Enable>0</HDMS_Enable>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->AutoProvision->Self as Server
Phone UI	Blank

SNMP Service

Parameter Example	<P8150>$Enable$</P8150> <SNMPService_Enable>$Enable$</SNMPService_Enable>
P Value Format	P8150
Description	It configures whether the SNMP service is enabled. 0-no, 1-yes Example: <P8150>0</P8150> <SNMPService_Enable>0</SNMPService_Enable>
Permitted Values	Bool: 0 ~ 1

Default	0
Web UI	Management->AutoProvision->SNMP Service->SNMP Service Enable
Phone UI	Blank
Parameter Example	<P8151>$GetCommunity$</P8151> <SNMPService_GetCommunity>$GetCommunity$</SNMPService_GetCommunity>
P Value Format	P8151
Description	It configures the SNMP get community field. Example: <P8151></P8151> <SNMPService_GetCommunity></SNMPService_GetCommunity>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P8152>$SetCommunity$</P8152> <SNMPService_SetCommunity>$SetCommunity$</SNMPService_SetCommunity>
P Value Format	P8152
Description	It configures the SNMP set community field. Example: <P8152></P8152> <SNMPService_SetCommunity></SNMPService_SetCommunity>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P8153>$ManagerIP1$</P8153> <SNMPService_ManagerIP1>$ManagerIP1$</SNMPService_ManagerIP1>
P Value Format	P8153
Description	It configures the SNMP manager IP. Example: <P8153>192.168.0.200</P8153> <SNMPService_ManagerIP1>192.168.0.200</SNMPService_ManagerIP1>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P8154>$ManagerIP2$</P8154> <SNMPService_ManagerIP2>$ManagerIP2$</SNMPService_ManagerIP2>
P Value Format	P8154
Description	It configures the SNMP manager IP. Example: <P8154>192.168.0.200</P8154> <SNMPService_ManagerIP2>192.168.0.200</SNMPService_ManagerIP2>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P8155>$ManagerIP3$</P8155> <SNMPService_ManagerIP3>$ManagerIP3$</SNMPService_ManagerIP3>
P Value Format	P8155
Description	It configures the SNMP manager IP. Example: <P8155>192.168.0.200</P8155> <SNMPService_ManagerIP3>192.168.0.200</SNMPService_ManagerIP3>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Management->AutoProvision
Phone UI	Blank
Parameter Example	<P8156>$ManagerIP4$</P8156> <SNMPService_ManagerIP4>$ManagerIP4$</SNMPService_ManagerIP4>
P Value Format	P8156

Description	It configures the SNMP manager IP. Example: <P8156>192.168.0.200</P8156> <SNMPService_ManagerIP4>192.168.0.200</SNMPService_ManagerIP4>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Management->AutoProvision
Phone UI	Blank

HDMS Service

Parameter Example	<P5007>$Disable$</P5007> <HDMS_Enable>$Disable$</HDMS_Enable>
P Value Format	P5007
Description	It configures wether enable HDMS service. Example: <P5007>0</P5007> <HDMS_Enable>0</HDMS_Enable>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->AutoProvision-> HDMS Service Enable
Phone UI	Blank
Parameter Example	<P5008>$HDMSUrl$</P5008> <HDMS_Server_Url>$HDMSUrl$</HDMS_Server_Url>
P Value Format	P5008
Description	It Configures the HDMS server path. Example: <P5008>192.168.0.121</P5008> <HDMS_Server_Url>192.168.0.121</HDMS_Server_Url>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Management->AutoProvision-> HDMS Service Url
Phone UI	Blank

System Log

Parameter Example	<P207>HT_SYSLOG_SERVER</P207> <Config_SyslogServer>HT_SYSLOG_SERVER</Config_SyslogServer>
P Value Format	P207
Description	It configures the IP address or domain name of the syslog server. Example: <P207>10.3.0.66</P207> <Config_SyslogServer>10.3.0.66</Config_SyslogServer>
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Management->Configuration->Syslog Server
Phone UI	Blank
Parameter Example	<P208>$Sysloglevel$</P208> <SNMPService_Sysloglevel>$Sysloglevel$</SNMPService_Sysloglevel>
P Value Format	P208
Description	It configures the level of syslog. Example: <P208>0</P208> <SNMPService_Sysloglevel>0</SNMPService_Sysloglevel> 0-NONE， 1-DEBUG，2-INFO，3-WARNING，4-ERROR
Permitted Values	List [0 ~ 4]
Default	0
Web UI	Management->Configuration->Syslog Level

Phone UI	Blank
Parameter Example	<P23278>$HT_DOWNLOAD_WITH_AUTH$</P23278> <Config_DownloadWithAuthInfo>$HT_DOWNLOAD_WITH_AUTH$ </Config_DownloadWithAuthInfo>
P Value Format	P23278
Description	It configures if download the config file with password. 0-Disable,1-Enable Example: <P23278>0</P23278> <Config_DownloadWithAuthInfo>0</Config_DownloadWithAuthInfo>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->Configuration->Download Configuration With Password
Phone UI	Blank

Trusted CA

Parameter Example	<P23377>$TLSOnlyAcceptTrustCA$</P23377> <TLSOnlyAcceptTrustCA>$TLSOnlyAcceptTrustCA$</TLSOnlyAcceptTrustCA>
P Value Format	P23377
Description	Turn on or off the Only Accept Trusted Certificates. 0-On,1-Off Example: <P23377>1</P23377> <TLSOnlyAcceptTrustCA>1</TLSOnlyAcceptTrustCA>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->Trusted CA->Only Accept Trusted Certificates
Phone UI	Blank
Parameter Example	<P23376>$TLSCommenNameValidation$</P23376> <TLSCommenNameValidation>$TLSCommenNameValidation$ </TLSCommenNameValidation>
P Value Format	P23376
Description	Turn on or off the common name validation. 0-On,1-Off Example: <P23376>1</P23376> <TLSCommenNameValidation>1</TLSCommenNameValidation>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Management->Trusted CA->Common Name Validation
Phone UI	Blank
Parameter Example	<P20156>$TrustedCaType$</P20156> <TrustedCaType>$TrustedCaType$</TrustedCaType>
P Value Format	P20156
Description	Choose one of the default/custom/all trusted certificates. 0-Default Certificates ,1-Custom Certificates ,2-All Certificates Example: <P20156>0</P20156> <TrustedCaType>0</TrustedCaType>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Management->Trusted CA->Trusted Certificates
Phone UI	Blank

Server CA

Parameter Example	<P20155>$ServerCaType$</P20155> <ServerCaType>$ServerCaType$</ServerCaType>
P Value Format	P20155
Description	select Default or Custom Device Certificates. 0-Default Certificates ,1-Custom Certificates Example: <P20155>0</P20155> <ServerCaType>0</ServerCaType>
Permitted Values	List [0,1]
Default	0
Web UI	Management->Server CA->Device Certificates
Phone UI	Blank

Port Mirror

Parameter Example	<P23500>$HT_PORT_MONITOR_ENABLE$</P23500> <Tools_PcPortMonitor>$HT_PORT_MONITOR_ENABLE$</Tools_PcPortMonitor>
P Value Format	P23500
Description	To Enable the PC Port Monitor Function. 0-Disable，1-Enable Example: <P23500>0</P23500> <Tools_PcPortMonitor>1</Tools_PcPortMonitor>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Management->Tools->Port Mirror
Phone UI	Blank

Programmable Key Setting

Parameter Example	<P43200>$SoftType$</P43200> <SoftKeyX_Type>$SoftType$</SoftKeyX_Type>
TXT Type Format	SoftKey1_Type, SoftKey2_Type, SoftKey3_Type, SoftKey4_Type
P Value Format	P43200, P43201, P43202, P43203
Description	It configures the softkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43200>36</P43200> <SoftKey1_Type>36</SoftKey1_Type> X range from: 1 ~ 4
Permitted Values	List [See Declare]
Default	36；37；21；28
Web UI	Function Keys->Programmable Key->SoftKey Type
Phone UI	Blank

Parameter Example	<P43300>$SoftAccount$</P43300> <SoftKeyX_Account>$SoftAccount$</SoftKeyX_Account>
TXT Type Format	SoftKey1_Account, SoftKey2_Account, SoftKey3_Account, SoftKey4_Account
P Value Format	P43300, P43301, P43302, P43303
Description	SoftKey Account：It configures the softkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43300>0</P43300> <SoftKey1_Account>0</SoftKey1_Account> X range from: 1 ~ 4
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->SoftKey Account
Phone UI	Blank
Parameter Example	<P43400>$SoftValue$</P43400> <SoftKeyX_Value>$SoftValue$</SoftKeyX_Value>
TXT Type Format	SoftKey1_Value, SoftKey2_Value, SoftKey3_Value, SoftKey4_Value
P Value Format	P43400, P43401, P43402, P43403
Description	It configures the softkey value. Example: <P43400>**</P43400> <SoftKeyX_Value>**</SoftKeyX_Value> X range from: 1 ~ 4
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->SoftKey Value
Phone UI	Blank
Parameter Example	<P43204>$UpType$</P43204> <UpKey_Type>$UpType$</UpKey_Type>
P Value Format	P43204
Description	It configures the upkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43204>36</P43204> <UpKey_Type>36</UpKey_Type>
Permitted Values	List [See Declare]
Default	36
Web UI	Function Keys->Programmable Key->UpKey Type
Phone UI	Blank
Parameter Example	<P43304>$UpAccount$</P43304> <UpKey_Account>$UpAccount$</UpKey_Account>

P Value Format	P43304
Description	It configures the upkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43304>0</P43304> <UpKey_Account>0</UpKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->UpKey Account
Phone UI	Blank
Parameter Example	<P43404>$UpValue$</P43404> <UpKey_Value>$UpValue$</UpKey_Value>
P Value Format	P43404
Description	It configures the upkey value. Example: <P43404>1057</P43404> <UpKey_Value>1057</UpKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->UpKey Value
Phone UI	Blank
Parameter Example	<P43205>$DownType$</P43205> <DownKey_Type>$DownType$</DownKey_Type>
P Value Format	P43205
Description	It configures the downkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43205>37</P43205> <DownKey_Type>37</DownKey_Type>
Permitted Values	List [See Declare]
Default	37
Web UI	Function Keys->Programmable Key->DownKey Type
Phone UI	Blank
Parameter Example	<P43305>$DownAccount$</P43305> <DownKey_Account>$DownAccount$</DownKey_Account>
P Value Format	P43305

Description	It configures the downkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43305>70</P43305> <DownKey_Account>70</DownKey_Account>
Permitted Values	List [See Declare]
Default	70
Web UI	Function Keys->Programmable Key->UpKey Account
Phone UI	Blank
Parameter Example	<P43405>$DownValue$</P43405> <DownKey_Value>$DownValue$</DownKey_Value>
P Value Format	P43405
Description	It configures the downkey value. Example: <P43405>1057</P43405> <DownKey_Value>1057</DownKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->DownKey Value
Phone UI	Blank
Parameter Example	<P43206>$LeftType$</P43206> <LeftKey_Type>$LeftType$</LeftKey_Type>
P Value Format	P43206
Description	It configures the leftkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43206>41</P43206> <LeftKey_Type>41</LeftKey_Type>
Permitted Values	List [See Declare]
Default	41
Web UI	Function Keys->Programmable Key->LeftKey Type
Phone UI	Blank
Parameter Example	<P43306>$LeftAccount$</P43306> <LeftKey_Account>$LeftAccount$</LeftKey_Account>
P Value Format	P43306

Description	It configures the leftkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43306>0</P43306> <LeftKey_Account>0</LeftKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->LeftKey Account
Phone UI	Blank
Parameter Example	<P43406>$LeftValue$</P43406> <LeftKey_Value>$LeftValue$</LeftKey_Value>
P Value Format	P43406
Description	It configures the leftkey value. Example: <P43406>1057</P43406> <LeftKey_Value>1057</LeftKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->LeftKey Value
Phone UI	Blank
Parameter Example	<P43207>$RightType$</P43207> <RightKey_Type>$RightType$<RightKey_Type>
P Value Format	P43207
Description	It configures the rightkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log，54-Next Linekey Page Example: <P43207>42</P43207> <RightKey_Type>42<RightKey_Type>
Permitted Values	List [See Declare]
Default	42
Web UI	Function Keys->Programmable Key->RightKey Type
Phone UI	Blank
Parameter Example	<P43307>$RightAccount$</P43307> <RightKey_Account>$RightAccount$</RightKey_Account>
P Value Format	P43307

Description	It configures the rightkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43307>0</P43307> <RightKey_Account>0</RightKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->RightKey Account
Phone UI	Blank
Parameter Example	<P43407>$RightValue$</P43407> <RightKey_Value>$RightValue$</RightKey_Value>
P Value Format	P43407
Description	It configures the rightnkey value. Example: <P43407>1057</P43407> <RightKey_Value>1057</RightKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->RightKey Value
Phone UI	Blank
Parameter Example	<P43208>$OKType$</P43208> <OKKey_Type>$OKType$</OKKey_Type>
P Value Format	P43208
Description	It configures the okkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43208>40</P43208> <OKKey_Type>40</OKKey_Type>
Permitted Values	List [See Declare]
Default	40
Web UI	Function Keys->Programmable Key->OKKey Type
Phone UI	Blank
Parameter Example	<P43308>$OKAccount$</P43308> <OKKey_Account>$OKAccount$</OKKey_Account>
P Value Format	P43308

Description	It configures the okkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43308>0</P43308> <OKKey_Account>0</OKKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->OKKey Account
Phone UI	Blank
Parameter Example	<P43408>$OKValue$</P43408> <OKKey_Value>$OKValue$</OKKey_Value>
P Value Format	P43408
Description	It configures the okkey value. Example: <P43408>1057</P43408> <OKKey_Value>1057</OKKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->OKKey Value
Phone UI	Blank
Parameter Example	<P43209>$CancelType$</P43209> <CancelKey_Type>$CancelType$</CancelKey_Type>
P Value Format	P43209
Description	It configures the cancelkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43209>0</P43209> <CancelKey_Type>0</CancelKey_Type>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->CancelKey Type
Phone UI	Blank
Parameter Example	<P43309>$CancelAccount$</P43309> <CancelKey_Account>$CancelAccount$</CancelKey_Account>
P Value Format	P43309

Description	It configures the cancelkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43309>0</P43309> <CancelKey_Account>0</CancelKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->CancelKey Account
Phone UI	Blank
Parameter Example	<P43409>$CancelValue$</P43409> <CancelKey_Value>$CancelValue$</CancelKey_Value>
P Value Format	P43409
Description	It configures the cancelkey value. Example: <P43409>1057</P43409> <CancelKey_Value>1057</CancelKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->CancelKey Value
Phone UI	Blank
Parameter Example	<P43212>$MuteType$</P43212> <MuteKey_Type>$MuteType$</MuteKey_Type>
P Value Format	P43212
Description	It configures the mutekey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43212>0</P43212> <MuteKey_Type>0</MuteKey_Type>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->MuteKey Type
Phone UI	Blank
Parameter Example	<P43312>$MuteAccount$</P43312> <MuteKey_Account>$MuteAccount$</MuteKey_Account>
P Value Format	P43312

Description	It configures the mutekey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43312>0</P43312> <MuteKey_Account>0</MuteKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->MuteKey Account
Phone UI	Blank
Parameter Example	<P43412>$MuteValue$</P43412> <MuteKey_Value>$MuteValue$</MuteKey_Value>
P Value Format	P43412
Description	It configures the mutekey value. Example: <P43412>1057</P43412> <MuteKey_Value>1057</MuteKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->MuteKey Value
Phone UI	Blank
Parameter Example	<P43210>$ConfType$</P43210> <ConfKey_Type>$ConfType$</ConfKey_Type>
P Value Format	P43210
Description	It configures the confkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43210>0</P43210> <ConfKey_Type>0</ConfKey_Type>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->ConfKey Type
Phone UI	Blank
Parameter Example	<P43310>$ConfAccount$</P43310> <ConfKey_Account>$ConfAccount$</ConfKey_Account>
P Value Format	P43310

Description	It configures the downkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43310>0</P43310> <ConfKey_Account>0</ConfKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->ConfKey Account
Phone UI	Blank
Parameter Example	<P43410>$ConfValue$</P43410> <ConfKey_Value>$ConfValue$</ConfKey_Value>
P Value Format	P43410
Description	It configures the confkey value. Example: <P43410>1057</P43410> <ConfKey_Value>1057</ConfKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->ConfKey Value
Phone UI	Blank
Parameter Example	<P43213>$TranType$</P43213> <TranKey_Type>$TranType$</TranKey_Type>
P Value Format	P43213
Description	It configures the trankey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43213>18</P43213> <TranKey_Type>18</TranKey_Type>
Permitted Values	List [See Declare]
Default	18
Web UI	Function Keys->Programmable Key->TranKey Type
Phone UI	Blank
Parameter Example	<P43313>$TranAccount$</P43313> <TranKey_Account>$TranAccount$</TranKey_Account>
P Value Format	P43313

Description	It configures the trankey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43313>0</P43313> <TranKey_Account>0<TranKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->TranKey Account
Phone UI	Blank
Parameter Example	<P43413>$TranValue$</P43413> <TranKey_Value>$TranValue$</TranKey_Value>
P Value Format	P43413
Description	It configures the trankey value. Example: <P43413>1057</P43413> <TranKey_Value>1057</TranKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->TranKey Value
Phone UI	Blank
Parameter Example	<P43211>$HoldType$</P43211> <HoldKey_Type>$HoldType$</HoldKey_Type>
P Value Format	P43211
Description	It configures the holdkey type. 0-N/A，2-Speed Dial，6-Direct Pickup，7-Group Pickup，9-Intercom，11-Prefix，12-Local Group，13-XML Group，14-XML Browser，15-LDAP，18-Forward，21-DND， 22-Redial，23-Call Return，24-SMS，36-History，37-Directory，38-Menu，39-NewSMS，40-Status， 41-Switch Account Up，42-Switch Account Down，43-Local Phone Book， 45-XML Phone Book，46-Network Call Log Example: <P43211>0</P43211> <HoldKey_Type>0</HoldKey_Type>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->HoldKey Type
Phone UI	Blank
Parameter Example	<P43311>$HoldAccount$</P43311> <HoldKey_Account>$HoldAccount$</HoldKey_Account>
P Value Format	P43311

Description	HoldKey Account：It configures the holdkey account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，70-Menu View，71-All Contacts，72-Local Contacts， 255-Auto Example: <P43311>0</P43311> <HoldKey_Account>0</HoldKey_Account>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->Programmable Key->HoldKey Account
Phone UI	Blank
Parameter Example	<P43411>$HoldValue$</P43411> <HoldKey_Value>$HoldValue$</HoldKey_Value>
P Value Format	P43411
Description	HoldKey Value：It configures the holdkey value. Example: <P43411>1057</P43411> <HoldKey_Value>1057</HoldKey_Value>
Permitted Values	string;maxlength: 0-95
Default	Blank
Web UI	Function Keys->Programmable Key->HoldKey Value
Phone UI	Blank
Parameter Example	<P43214>$SpeakerKey_On_Off$</P43214> <SpeakerKey_On_Off>$SpeakerKey_On_Off$</SpeakerKey_On_Off>
P Value Format	P43214
Description	It configures the speakerkey type. 0-N/A，1-Speaker Example: <P43214>1</P43214> <SpeakerKey_On_Off>1</SpeakerKey_On_Off>
Permitted Values	List [0,1]
Default	1
Web UI	Function Keys->Programmable Key->SpeakerKey Type
Phone UI	Blank
Parameter Example	<P43215>$HeadSetKey_On_Off$</P43215> <HeadSetKey_On_Off>$HeadSetKey_On_Off$</HeadSetKey_On_Off>
P Value Format	P43215
Description	It configures the headsetkey type. 0-N/A，1-Headset Example: <P43215>1</P43215> <HeadSetKey_On_Off>1</HeadSetKey_On_Off>
Permitted Values	List [0,1]
Default	1
Web UI	Function Keys->Programmable Key->HeadSetKey Type
Phone UI	Blank
Parameter Example	<P43216>$VMKey_On_Off$</P43216> <VMKey_On_Off>$VMKey_On_Off$</VMKey_On_Off>
P Value Format	P43216
Description	t configures the VMkey type. 0-N/A，1-VM Example: <P43216>1</P43216> <VMKey_On_Off>1</VMKey_On_Off>

Permitted Values	List [0,1]
Default	1
Web UI	Function Keys->Programmable Key->VMKey Type
Phone UI	Blank
Parameter Example	<P43218>$VolumeUpKey_On_Off$</P43218> <VolumeUpKey_On_Off>$VolumeUpKey_On_Off$</VolumeUpKey_On_Off>
P Value Format	P43218
Description	It configures the volume up key type. 0-N/A，1-Volume Up Example: <P43218>1</P43218> <VolumeUpKey_On_Off>1</VolumeUpKey_On_Off>
Permitted Values	List [0,1]
Default	1
Web UI	Function Keys->Programmable Key->Volume Up Key Type
Phone UI	Blank
Parameter Example	<P43219>$VolumeUpDown_On_Off$</P43219> <VolumeUpDown_On_Off>$VolumeUpDown_On_Off$</VolumeUpDown_On_Off>
P Value Format	P43219
Description	It configures the volume up down key type. 0-N/A，1-Volume Down Example: <P43219>1</P43219> <VolumeUpDown_On_Off>1</VolumeUpDown_On_Off>
Permitted Values	List [0,1]
Default	1
Web UI	Function Keys->Programmable Key->Volume Down Key Type
Phone UI	Blank
Parameter Example	<P43221>$Type$</P43221> <RedialKey_On_Off>$Type$</RedialKey_On_Off>
P Value Format	P43221
Description	It configures the redial key type. 0-N/A，1-Redial Example: <P43221>1</P43221> <RedialKey_On_Off>1</RedialKey_On_Off>
Permitted Values	List [0,1]
Default	1
Web UI	Function Keys->Programmable Key->Redial Key Type
Phone UI	Blank
Parameter Example	<P20043>$Label$</P20043> <ProgrammableKeyX_Label>$Label$</ProgrammableKeyX_Label>
TXT Type Format	ProgrammableKey1_Label,ProgrammableKey2_Label,ProgrammableKey3_Label, ProgrammableKey4_Label
P Value Format	P20043,P20044,P20045,P20046
Description	It configures the label of the programmable key. Example: <P20043>RECEP</P20043> <ProgrammableKey1_Label>RECEP</ProgrammableKey1_Label> X range from: 1 ~ 4
Permitted Values	string:0-95
Default	Blank
Web UI	Function Keys->Programmable Key
Phone UI	Blank

USBKey Setting

Parameter Example	<P24962>$USBKeyMode$</P24962> <USBKey_Mode>$USBKeyMode$</USBKey_Mode>
P Value Format	P24962
Description	It configures the USB key mode, Emergency mode means dailing a new call in anytime, Normal mode means the same performance as linkey. 0-Emergency mode，1-Normal mode Example: <P24962>0</P24962> <USBKey_Mode>0</USBKey_Mode>
Permitted Values	List [0 ~1]
Default	0
Web UI	Function Keys->USB Key-> USB key mode
Phone UI	Blank
Parameter Example	<P24944>$USBKeyType$</P24944> <USBKey_Type>$USBKeyType$</USBKey_Type>
P Value Format	P24944
Description	It configures the key feature. 0-N/A，1-Line，2-Speed Dial，3-BLF，4-BLF List，5-Voice Mail，6-Direct Pickup，7-Group Pickup， 8-Call Park，9-Intercom，10-DTMF，11-Prefix，12-Local Group，13-XML Group，14-XML Browser， 15-LDAP，17-Conference，18-Forward，19-Transfer，20-Hold，21-DND， 22-Redial，23-Call Return，24-SMS，25-Record，26-URL Record，27-Paging，28-Group Listening， 29-Public Hold，30-Private Hold，32-Hot Desking，33-ACD，34-Zero Touch，35-URL， 47-MultiCast Paging，51-Group Call Park，57-Silent Call Example: <P24944>0</P24944> <USBKey_Type>0</USBKey_Type>
Permitted Values	List [See Declare]
Default	0
Web UI	Function Keys->USB Key->Type
Phone UI	USB->USB Key->Type
Parameter Example	<P24945>$USBKeyValue$</P24945> <USBKey_Value>$USBKeyValue$</USBKey_Value>
P Value Format	P24945
Description	It configures the key value. Example: <P24945>**/P24945> <USBKey_Value>**</USBKey_Value> X range from: 1 ~ 36
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Keys->USB Key->Value
Phone UI	USB->USB Key->Value
Parameter Example	<P24946>$USBKeyLabel$</P24946> <USBKey_Label>$USBKeyLabel$</USBKey_Label>
TXT Type Format	LineKey1_Label, LineKey2_Label, LineKey3_Label …
P Value Format	P24946
Description	It configures the key label. Example: <P24946> Company </P24946> <USBKey_Label> Company </USBKey_Label>
Permitted Values	string;maxlength: 0-63
Default	Blank

Web UI	Function Keys->USB Key->Label
Phone UI	USB->USB Key->Label
Parameter Example	<P24947>$USBKeyAccount$</P24947> <USBKey_Account>$USBKeyAccount$</USBKey_Account>
P Value Format	P24947
Description	It configures the key account. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7， 7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3， 63-remote phonebook 4，64-remote phonebook 5，255-Auto Example: <P24947>255</P24947> <USBKey_Account>255</USBKey_Account>
Permitted Values	List [See Declare]
Default	255
Web UI	Function Keys->USB Key->Account
Phone UI	USB->USB Key->Account ID
Parameter Example	<P24948>$USBKeyExtension$</P24948> <USBKey_Extension>$USBKeyExtension$</USBKey_Extension>
P Value Format	P24948
Description	It configures the key extension. Example: <P24948>Company</P24948> <USBKey_Extension> Company </USBKey_Extension>
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Keys->USB Key->Extension
Phone UI	USB->USB Key->Pickup Code

Preference

Parameter Example	<P23117>DST_Type</P23117> <Preference_DaylightSavingTimeType>DST_Type</Preference_DaylightSavingTimeType>
P Value Format	P23117
Description	It configures the time measurement mode of the daylight saving time. 0-Day Type，1-Week Type Example: <P23117>0</P23117> <Preference_DaylightSavingTimeType>0</Preference_DaylightSavingTimeType>
Permitted Values	List [0,1]
Default	0
Web UI	Setting->Preference->Web Language
Phone UI	Blank
Parameter Example	<P1300>$KeypadDTMFTone$</P1300> <Preference_KeypadDTMFTone>$KeypadDTMFTone$</Preference_KeypadDTMFTone>
P Value Format	P1300
Description	It decides whether to enable the keyboard DTMF tone. 0-On，1-Off Example: <P1300>0</P1300> <Preference_KeypadDTMFTone>0</Preference_KeypadDTMFTone>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Keypad DTMF Tone
Phone UI	Blank

Parameter Example	<P8721>$RingTones$</P8721> <Preference_RingTones>$RingTones$</Preference_RingTones>
P Value Format	P8721
Description	It configures the ring tones of the phone. 0-Default，1-Ring1.bin，2-Ring2.bin，3-Ring3.bin，4-Ring4.bin， 5-Ring5.bin，6-Ring6.bin，7-Ring7.bin，8-Ring8.bin Example: <P8721>2</P8721> <Preference_RingTones>2</Preference_RingTones>
Permitted Values	List [0 ~ 8]
Default	2
Web UI	Setting->Preference->Ring Tones
Phone UI	Settings->Basic->Ring Tone
Parameter Example	<P8672>$IncomingCallShowMode$</P8672> <Preference_IncomingCallShowMode>$IncomingCallShowMode$ </Preference_IncomingCallShowMode>
P Value Format	P8672
Description	The phone LED will display peer information when there is an incoming call. 0-Peer Name&Peer Number，1-Peer Name&Peer Number&Self Name，2-Peer Name Example: <P8672>0</P8672> <Preference_IncomingCallShowMode>0</Preference_IncomingCallShowMode>
Permitted Values	List [0 ~ 2]
Default	0
Web UI	Setting->Preference->Incoming Call Show Mode
Phone UI	Blank
Parameter Example	<P8680>$WatchDogEnable$</P8680> <Preference_WatchDogEnable>$WatchDogEnable$</Preference_WatchDogEnable>
P Value Format	P8680
Description	It decides whether to enable the Watch Dog feature. It helps you monitor the IP phone status and provides the ability to get stack traces from the last time the IP phone failed. 0-Off，1-On Example: <P8680>0</P8680> <Preference_WatchDogEnable>0</Preference_WatchDogEnable>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20018>$DialFirstDigit$</P20018> <Preference_DialFirstDigit>$DialFirstDigit$</Preference_DialFirstDigit>
P Value Format	P20018
Description	0-Screensaver Wakes up，1-Screensaver Wakes up and Dial Example: <P20018>1</P20018> <Preference_DialFirstDigit>1</Preference_DialFirstDigit>
Permitted Values	List [0,1]
Default	1
Web UI	Setting->Preference->Dial First Digit
Phone UI	Blank
Parameter Example	<P20017>$RefreshCallerIdViaContact$</P20017> <Preference_RefreshCallerIdViaContact>$RefreshCallerIdViaContact$ </Preference_RefreshCallerIdViaContact>
P Value Format	P20017
Description	It decides whether to enable the function that the phone can refresh caller id via contact. 0-Disable，1-Enable Example: <P20017>0</P20017> <Preference_RefreshCallerIdViaContact>0</Preference_RefreshCallerIdViaContact>
Permitted Values	Bool: 0 ~ 1
Default	0

Web UI	Setting->Preference->Refresh Caller Id Via Contact
Phone UI	Blank
Parameter Example	<P23126>$Autologouttime$</P23126> <Preference_Autologouttime>$Autologouttime$</Preference_Autologouttime>
P Value Format	P23126
Description	Auto Logout Time (1 ~ 5000 min)：It configures the auto logout time.(In minute) Example: <P23126>6</P23126> <Preference_Autologouttime>6</Preference_Autologouttime>
Permitted Values	string;maxlength: 0-4
Default	6
Web UI	Setting->Preference->Auto Logout Time (1 ~ 5000 min)
Phone UI	Blank
Parameter Example	<P23131>$Rebootintalking$</P23131> <Preference_Rebootintalking>$Rebootintalking$</Preference_Rebootintalking>
P Value Format	P23131
Description	It decides whether to allow phones to reboot in talking. 0-Disable，1-Enable Example: <P23131>0</P23131> <Preference_Rebootintalking>0</Preference_Rebootintalking>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Reboot in Talking
Phone UI	Blank
Parameter Example	<P8503>$RingingVolume$</P8503> <Preference_RingingVolume>$RingingVolume$</Preference_RingingVolume>
P Value Format	P8503
Description	It configures the ring volume of the phone. from 0 to 14，default is 8 Example: <P8503>8</P8503> <Preference_RingingVolume>8</Preference_RingingVolume>
Permitted Values	Int: 0-14
Default	8
Web UI	Setting->Preference->Ring Volume
Phone UI	Volume Up&Volume Down
Parameter Example	<P40004>$ExpScnSaverTime$</P40004> <Preference_ExpScnSaverTime>$ExpScnSaverTime$</Preference_ExpScnSaverTime>
P Value Format	P40004
Description	After this time, the extension board will enter the screensaver. 0-Off，1-1min，2-5min，3-10min，4-20min，5-30min，6-60min Example: <P40004>3</P40004> <Preference_ExpScnSaverTime>3</Preference_ExpScnSaverTime>
Permitted Values	List [0 ~ 6]
Default	3
Web UI	Setting->Preference->Expansion screensaver time
Phone UI	Blank
Parameter Example	<P772>$SendPoundasPercent23$</P772> <Preference_SendPoundasPercent23>$SendPoundasPercent23$ </Preference_SendPoundasPercent23>
P Value Format	P772
Description	Replace # to %23 in dialing numbers when send 0-No，1-Yes Example: <P772>0</P772> <Preference_SendPoundasPercent23>0</Preference_SendPoundasPercent23>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Send # as %23

Phone UI	Blank
Parameter Example	<P24791>$EnablePAIPPI$</P24791> <Preference_EnablePAIPPI>$EnablePAI$</Preference_EnablePAIPPI>
P Value Format	P24791
Description	It configgures whether to add or add which header in INVITE message. 0-Off, 1-PAI(P-Asserted-Identity), 2-PPI(P-Preferred-Identity), 3-PAI&PPI Example: <P24791>1</P24791> <Preference_EnablePAIPPI>1</Preference_EnablePAIPPI>
Permitted Values	Unsigned short: 0 ~ 3
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P25010>$AddVerInCustumUserAgentOnoff$</P225010> <Preference_AddVerInCustumUserAgentOnoff>$AddVerInCustumUserAgentOnoff$ </Preference_AddVerInCustumUserAgentOnoff>
P Value Format	P25010
Description	Whether to add version info in custom's User-Agent. 1-No,0-Yes Example: <P25010>1</P25010> <Preference_AddVerInCustumUserAgentOnoff>1 </Preference_AddVerInCustumUserAgentOnoff>
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Setting->Preference->Add version info in custom's User-Agent
Phone UI	Blank
Parameter Example	<P24887>$SwitchAccountByDialPlan$</P24887> <Preference_SwitchAccountByDialPlan>$SwitchAccountByDialPlan$ </Preference_SwitchAccountByDialPlan>
P Value Format	P24887
Description	Whether to switch account by dial plan. 1-No,0-Yes Example: <P24887>1</P24887> <Preference_SwitchAccountByDialPlan>1</Preference_SwitchAccountByDialPlan>
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Setting->Preference->Switch account by dial plan
Phone UI	Blank
Parameter Example	<P25109>$Preference_ForceRingVolume$</P25109> <Preference_ForceRingVolume>$Preference_ForceRingVolume$ </Preference_ForceRingVolume>
P Value Format	P25109
Description	It configures the force ring volume. Example: <P25109>1</P25109> <Preference_ForceRingVolume>1</Preference_ForceRingVolume>
Permitted Values	Bool: 0 ~ 15, 15 means do not force
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23210>$HideMissedCallTxtNotify$</P23210> <Preference_HideMissedCallTxtNotify>$HideMissedCallTxtNotify$ </Preference_HideMissedCallTxtNotify>
P Value Format	P23210
Description	It decides whether hide missed call txt notify. 1-On，0-Off Example: <P23210>0</P23210> <Preference_HideMissedCallTxtNotify>0</Preference_HideMissedCallTxtNotify>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Transfer Settings->Transfer Code Control
Phone UI	Blank

Parameter Example	<P24986>$ShowBT$</P24986> <Preference_ShowBT>$ShowBT$</Preference_ShowBT>
P Value Format	P24986
Description	It decides whether lcd show BT. 1-On，0-Off Example: <P24986>0</P24986> <Preference_ShowBT>0</Preference_ShowBT>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24987>$ShowWIFI$</P24987> <Preference_ShowWIFI>$ShowBT$</Preference_ShowWIFI>
P Value Format	P24987
Description	It decides whether lcd show WIFI. 1-On，0-Off Example: <P24987>0</P24987> <Preference_ShowWIFI>0</Preference_ShowWIFI>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23213>$NameOrNumber$</P23213> <Preference_ShowPeerNameOrNumber>$NameOrNumber$ </Preference_ShowPeerNameOrNumber>
P Value Format	P23213
Description	It configures the when the phone in call, show peer name or number. It is not for color LCD phones. 0-name 1-number Example: <P23213>0</P23213> <Preference_ShowPeerNameOrNumber>0</Preference_ShowPeerNameOrNumber>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P8514>On</P8514> <Preference_InterComMute>On</Preference_InterComMute>
P Value Format	P8514
Description	It enables or disables the IP phone to mute the microphone when answering an intercom call. Example: <P8514>0</P8514> <Preference_InterComMute>0</Preference_InterComMute>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference-> Intercom Mute
Phone UI	Blank
Parameter Example	<P24907>$Disable$</P24907> <Preference_MatchDirNumWhenDialing>$Disable$</Preference_MatchDirNumWhenDialing>
P Value Format	P24907
Description	Whether to display the matching number in the directory in the drop-down menu when dialing. 0-Disable, 1-enable Example: <P24907>0</P24907> <Preference_MatchDirNumWhenDialing>0</Preference_MatchDirNumWhenDialing>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Directory->setting->Search Directory When Dialing
Phone UI	Blank

Parameter Example	<P24908>$Disable$</P24908> <Preference_AppendDirNumToDial>$Disable$</Preference_AppendDirNumToDial>
P Value Format	P24908
Description	Enter the directory on the dial interface, press the dial key, whether to clear the previously dialed number, 0-diable 1- enable Example: <P24908>0</P24908> <Preference_AppendDirNumToDial>0</Preference_AppendDirNumToDial>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference-> Add Directory Dialing Number To Dialed
Phone UI	Blank
Parameter Example	<P25104>On</P25104> <Preference_HideMIssedCallWhenDND>On</Preference_HideMIssedCallWhenDND>
P Value Format	P25104
Description	If turn to 'On', when open DND, there will no missed call shown on the phone history. 1-On 0-Off Example: <P25104>0</P25104> <Preference_HideMIssedCallWhenDNDdGrayLevel>0</Preference_HideMIssedCallWhenDND>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20073>$RedialType$</P20073> <RedialType>$RedialType$</RedialType>
P Value Format	P20073
Description	It configures the redial mode of the preference. 0-Direct Mode,1-Select Mode Example: <P20073>0</P20073> <RedialType>0</RedialType>
Permitted Values	List [0,1]
Default	0
Web UI	Setting->Preference->Redial Mode
Phone UI	Blank
Parameter Example	<P1085>$TimeOut$</P1085> <DialNow_TimeOut>$TimeOut$</DialNow_TimeOut>
P Value Format	P1085
Description	It configures the Dial-now Time-out.(In seconds,0 means never timeout, default is 0 seconds, max is 29 seconds). Example: <P1085>0</P1085> <DialNow_TimeOut>0</DialNow_TimeOut>
Permitted Values	string;maxlength: 0-2
Default	0
Web UI	Setting->Preference->Dial-now Time-out (seconds)
Phone UI	Blank
Parameter Example	<P20118>$VoiceMailTone$</P20118> <Preference_VoiceMailTone>$VoiceMailTone$</Preference_VoiceMailTone>
P Value Format	P20118
Description	It configures whether voicemail tone is turned on. 0-On,1-Off Example: <P20118>0</P20118> <Preference_VoiceMailTone>0</Preference_VoiceMailTone>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Voice Mail Tone
Phone UI	Blank

Parameter Example	<P20172>$VmTransfer$</P20172> <Preference_VmTransfer>$VmTransfer$</Preference_VmTransfer>
P Value Format	P20172
Description	Enable/Disable Vm Transfer feature. If enable, there will show the VmTransfer softkey on the phone LCD. This should using with VmTransferCode(P20173) together. Example: <P20172>0</P20172> <Preference_VmTransfer>1</Preference_VmTransfer>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20173>$VmTransferCode$</P20173> <Preference_VmTransferCode>$VmTransferCode$</Preference_VmTransferCode>
P Value Format	P20173
Description	Configure VmTransfer Code. This should be using with VmTransfer(P20172) together. Example: <P20173>0</P20173> <Preference_VmTransferCode>0</Preference_VmTransferCode>
Permitted Values	string;maxlength: 0-232
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P20934>$ZeroTouchType$</P20934> <Preference_ZeroTouchType>$ZeroTouchType$</Preference_ZeroTouchType>
P Value Format	P20934
Description	Configure zero touch type. 0-Normal,1-EHS Example: <P20934>0</P20934> <Preference_ZeroTouchType>1</Preference_ZeroTouchType>
Permitted Values	List [0,1]
Default	Blank
Web UI	Setting->Preference->Zero Touch Type
Phone UI	Blank
Parameter Example	<P20935>$ConfReleaseType$</P20935> <Preference_ConfReleaseType>$ConfReleaseType$</Preference_ConfReleaseType>
P Value Format	P20935
Description	It configures the three way call release type. 0-Hung Up,1-Transfer Example: <P20935>0</P20935> <Preference_ConfReleaseType>0</Preference_ConfReleaseType>
Permitted Values	List [0,1]
Default	0
Web UI	Setting->Preference->Three Way Call Release Type
Phone UI	Blank
Parameter Example	<P20983>$CheckSyncWithAuth$</P20983> <Preference_CheckSyncWithAuth>$CheckSyncWithAuth$</Preference_CheckSyncWithAuth>
P Value Format	P20983
Description	If set to Enable, the SIP NOTIFY Event Check_sync will be authenticated. 0-Disable,1-Enable Example: <P20983>0</P20983> <Preference_CheckSyncWithAuth>0</Preference_CheckSyncWithAuth>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->SpeedDial Detect Digitmap
Phone UI	Blank
Parameter Example	<P20992>$OpenSideTone$</P20992> <Preference_OpenSideTone>$OpenSideTone$</Preference_OpenSideTone>

P Value Format	P20992
Description	Enable or Disable side tone 0-Disable, 1-Enable Example: <P20992>0</P20992> <Preference_OpenSideTone>0</Preference_OpenSideTone>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P8503>$PhoneRingVolume$</P8503> <PhoneRingVolume>$PhoneRingVolume$</PhoneRingVolume>
P Value Format	P8503
Description	Adjust the volume of the phone. Example: <P8503>11</P8503> <PhoneRingVolume>11</PhoneRingVolume>
Permitted Values	string;maxlength: 0-5
Default	9
Web UI	Setting->Preference->Ring Volume
Phone UI	Press +/-to adjust the volume
Parameter Example	<P24741>$CheckSyncRebootControl$</P24741> <Preference_CheckSyncRebootControl>$CheckSyncRebootControl$ </Preference_CheckSyncRebootControl>
P Value Format	P24741
Description	Control if the phone rebooting when recievec SIP message contains "check-sync reboot= true". 0-Disable,1-Enable Example: <P24741>0</P24741> <Preference_CheckSyncRebootControl>0</Preference_CheckSyncRebootControl>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Check-sync reboot
Phone UI	Blank
Parameter Example	<P24744>$DisplayDefaultAid$</P24744> <Setting_Preference_DisplayDefaultAid>$DisplayDefaultAid$ </Setting_Preference_DisplayDefaultAid>
P Value Format	P24744
Description	Enable/Disable the display default account. 0-Disable,1-Enable Example: <P24744>1</P24744> <Setting_Preference_DisplayDefaultAid>1</Setting_Preference_DisplayDefaultAid>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Preference->Display Default Account
Phone UI	Blank
Parameter Example	<P24749>$VisualVoiceMail$</P24749> <Preference_VisualVoiceMail>$VisualVoiceMail$</Preference_VisualVoiceMail>
P Value Format	P24749
Description	Enable/Disable visual voice mail feature for the phone. 0-Disable, 1-Enable Example: <P24749>0</P24749> <Preference_VisualVoiceMail>0</Preference_VisualVoiceMail>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24772>$EnableFlexibleSeatingLock$</P24772> <Preference_FlexibleSeatingLock>$EnableFlexibleSeatingLock$ </Preference_FlexibleSeatingLock>

P Value Format	P24772
Description	Enable/Disable locking the phone when using Flexible seating. 0-Disable, 1-Enable Example: <P24772>0</P24772> <Preference_FlexibleSeatingLock>0</Preference_FlexibleSeatingLock>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24794>$hlTextScrollSpeed$</P24794> <Preference_HistorySmartDial>$hlTextScrollSpeed$</Preference_HistorySmartDial>
P Value Format	P24794
Description	Make a call based on the phone's historical call history. Example: <P24794></P24794> <Preference_HistorySmartDial></Preference_HistorySmartDial>
Permitted Values	string;maxlength: 0-1024
Default	{[x*]+}
Web UI	Setting->Preference->History Smart Dial
Phone UI	Blank
Parameter Example	<P24782>$pullcallCode$</P24782> <PullCall_Code>$pullcallCode$</PullCall_Code>
P Value Format	P24782
Description	Configure the pull call code for the phone. Example: <P24782>*97</P24782> <PullCall_Code>*97</PullCall_Code>
Permitted Values	string;maxlength: 0-256
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24799>$ContactsPhotoServer$</P24799> <Preference_ContactsPhotoServer>$ContactsPhotoServer$</Preference_ContactsPhotoServer>
P Value Format	P24799
Description	It configures the IP address or domain name of the Contacts photo server. Example: <P24799>192.168.0.200</P24799> <Preference_ContactsPhotoServer>192.168.0.200</Preference_ContactsPhotoServer>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Setting->Preference->Contacts Photo Server
Phone UI	Blank
Parameter Example	<P24825>$RetainDateVlan$</P24825> <NW_Adv_RetainDateVlan>$RetainDateVlan$</NW_Adv_RetainDateVlan>
P Value Format	P24825
Description	Enable/Disable the PC port retain Data VLAN Tag for 100Mbps phones. 0-Disable, 1-Enable Example: <P24825>0</P24825> <NW_Adv_RetainDateVlan>0</NW_Adv_RetainDateVlan>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24918>$HT_DISPLAY_BLF_EXT$</P24918> <Preference_Display_BLF_Extension>$HT_DISPLAY_BLF_EXT$ </Preference_Display_BLF_Extension>
P Value Format	P24918

Description	It config if display the BLF value on the Expansion. 0-Disable, 1-Enable Example: <P24918>1</P24918> <Preference_Display_BLF_Extension>1</Preference_Display_BLF_Extension>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Blank
Phone UI	Blank
Parameter Example	<P8620>$HistoryRecord$</P8620> <Preference_HistoryRecord>$HistoryRecord$</Preference_HistoryRecord>
P Value Format	P8620
Description	It configures the history record on the IP phone LCD. 2-Disable, 0 and 1-Enable Example: <P8620>0</P8620> <Preference_HistoryRecord>0</Preference_HistoryRecord>
Permitted Values	Bool: 0 ~ 2
Default	0
Web UI	Blank
Phone UI	Blank

Setting others

Parameter Example	<P20985>$Disable$</P20985> <Preference_CloseBacklight>$Disable$</Preference_CloseBacklight>
P Value Format	P20985
Description	It configures whether auto turn off the backlight in off work hour after a timeout. 0-Disable, 1-enable Example: <P20985>0</P20985> <Preference_CloseBacklight>0</Preference_CloseBacklight>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Pawer Saving-> Power Saving
Phone UI	Blank
Parameter Example	<P25011>$OfficeTime_X$</P25011> <PowerSaving_OfficeTime_X>$OfficeTime_X$</PowerSaving_OfficeTime_X>
P Value Format	P25011, P25012, P25013, P25014, P25015, P25016, P25017
Description	If configures the period of time you use the phone frequently. Time from 0 o'clock to 23 o'clock on X. X means: Monday, Tuseday, Wednesday...Sunday Example: <P25011>7,9</P25011> <PowerSaving_OfficeTime_X>7,9</PowerSaving_OfficeTime_X>
Permitted Values	Bool: 0,0 ~ 23,23
Default	7,19
Web UI	Setting->Power Saving->Monday~Sunday
Phone UI	Blank
Parameter Example	<P25019>$offWorkTimeIdleTimeOut$</P25019> <PowerSaving_offWorkTimeIdleTimeOut>$offWorkTimeIdleTimeOut$ </PowerSaving_offWorkTimeIdleTimeOut>
P Value Format	P25019

Description	It's the time of phone waits in the idle state before the phone enters power saving mode during the non-office hours.(Integer from 1 to 10 minutes) Example: <P25019>10</P25019> <PowerSaving_offWorkTimeIdleTimeOut>10</PowerSaving_offWorkTimeIdleTimeOut>
Permitted Values	Unsigned short: 1-10
Default	10
Web UI	Setting->Power Saving->Off Hour Idle TimeOut
Phone UI	Blank
Parameter Example	<P20645>Url</P20645> <Preference_ItemLevelUrl>Url</Preference_ItemLevelUrl>
P Value Format	P20645
Description	It configures the user access level xml file server url. Example: <P20645>192.168.1.2/UAL.xml</P20645> <Preference_ItemLevelUrl>192.168.1.2/UAL.xml</Preference_ItemLevelUrl>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24813>$Timeout$</P24813> <Preference_HttpReqTimeOut>$Timeout$</Preference_HttpReqTimeOut>
P Value Format	P24813
Description	It configures the user access level xml file server url. Example: <P24813>5</P24813> <Preference_HttpReqTimeOut>5</Preference_HttpReqTimeOut>
Permitted Values	int: 5 ~ 120
Default	8
Web UI	Setting->Preference->Http Get File Wait Time
Phone UI	Blank
Parameter Example	<P20644>$Disable$</P20644> <Preference_ItemLevelWebEnable>$Disable$</Preference_ItemLevelWebEnable>
P Value Format	P20644
Description	It configures if enable user access level for web. 0-Disable 1-Enable Example: <P20644>0</P20644> <Preference_ItemLevelWebEnable>0</Preference_ItemLevelWebEnable>
Permitted Values	Bool: 0 ~ 1
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24997>$Disable$</P24997> <Preference_BLFWakeUpScreenSaver>$Disable$</Preference_WebSettingHighPriority>
P Value Format	P24997
Description	If you choose No, the LCD will not wake up when the BLF status changes. 0-no 1-yes Example: <P24997>0</P24997> <Preference_BLFWakeUpScreenSaver>0</Preference_BLFWakeUpScreenSaver>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->BLF wake up screensaver
Phone UI	Blank
Parameter Example	<P23279>$Disable$</P23279> <Preference_WebSettingHighPriority>$Disable$</Preference_BLFWakeUpScreenSaver>
P Value Format	P23279
Description	If this function is turned enable, the cfg changed by user on the web or phone will not provisioned by server. 0-disable 1-enable Example: <P23279>0</P23279> <Preference_WebSettingHighPriority>0</Preference_WebSettingHighPriority>

Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Preference->Web page setting priority
Phone UI	Blank
Parameter Example	<P24015>$TLSChooseTLSVersion$</P24015> <TLSChooseTLSVersion>$TLSChooseTLSVersion$</TLSChooseTLSVersion>
P Value Format	P24015
Description	Choose which TLS version support for the phone 0-v1.0, 1-v1.2 Example: <P24015>0</P24015> <TLSChooseTLSVersion>1</TLSChooseTLSVersion>
Permitted Values	List [0,1]
Default	1
Web UI	Blank
Phone UI	Blank

Setting->Features

Parameter Example	<P24796>$ResolveUrlDomain$</P24796> <SipURLCall_ResolveUrlDomain>$ResolveUrlDomain$ </SipURLCall_ResolveUrlDomain>
P Value Format	P24796
Description	It decides whether to enable the function that the phone can resolve url domain. 0-Off，1-On Example:<P24796>0</P24796> <SipURLCall_ResolveUrlDomain>1</SipURLCall_ResolveUrlDomain>
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Features->Sip URL Call->Resolve Url Domain
Phone UI	Blank
Parameter Example	<P24061>$ForwardSelective_OnOff$</P24061> <ForwardSelective_OnOff>$ForwardSelective_OnOff$</ForwardSelective_OnOff>
P Value Format	P24061
Description	It decides whether to enable the function that the phone can forwrd selectively. 0-Off，1-On Example: <P24061>0</P24061> <ForwardSelective_OnOff>1</ForwardSelective_OnOff>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Forward->Forward Selective OnOff
Phone UI	Blank
Parameter Example	<P24062>$ForwardSelective_Target$</P24062> <ForwardSelective_Target>$ForwardSelective_Target$</ForwardSelective_Target>
P Value Format	P24062
Description	It configures the target account for you to transfer. Example: <P24062>1057</P24062> <ForwardSelective_Target>1057</ForwardSelective_Target>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->Forward->Forward Selective Target
Phone UI	Blank
Parameter Example	<P24063>$ForwardSelective_Entry$</P24063> <ForwardSelective_Entry>$ForwardSelective_Entry$</ForwardSelective_Entry>
P Value Format	P24063

Description	The incoming number that will be forwarded. Example: <P24063>1057</P24063> <ForwardSelective_Entry>1057</ForwardSelective_Entry>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->Forward->Forward Selective Entry
Phone UI	Blank
Parameter Example	<P23254>$ShortPressIdle$</P23254> <BLFPressSetting_ShortPressIdle>$ShortPressIdle$</BLFPressSetting_ShortPressIdle>
P Value Format	P23254
Description	When short press the blf key in idle state, phone'll add this code before number. Example: <P23254>*8</P23254> <BLFPressSetting_ShortPressIdle>*8</BLFPressSetting_ShortPressIdle>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->BLF Press Setting
Phone UI	Blank
Parameter Example	<P23255>$ShortPressInUse$</P23255> <BLFPressSetting_ShortPressInUse>$ShortPressInUse$</BLFPressSetting_ShortPressInUse>
P Value Format	P23255
Description	When short press the blf key in use state, phone'll add this code before number. Example: <P23255>*8</P23255> <BLFPressSetting_ShortPressInUse>*8</BLFPressSetting_ShortPressInUse>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->BLF Press Setting
Phone UI	Blank
Parameter Example	<P23256>$LongPressIdle$</P23256> <BLFPressSetting_LongPressIdle>$LongPressIdle$</BLFPressSetting_LongPressIdle>
P Value Format	P23256
Description	When long press the blf key in idle state, phone'll add this code before number. Example: <P23256>*8</P23256> <BLFPressSetting_LongPressIdle>*8</BLFPressSetting_LongPressIdle>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->BLF Press Setting
Phone UI	Blank
Parameter Example	<P23257>$LongPressInUse$</P23257> <BLFPressSetting_LongPressInUse>$LongPressInUse$</BLFPressSetting_LongPressInUse>
P Value Format	P23257
Description	When long press the blf key in use state, phone'll add this code before number. Example: <P23257>*8</P23257> <BLFPressSetting_LongPressInUse>*8</BLFPressSetting_LongPressInUse>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->BLF Press Setting
Phone UI	Blank
Parameter Example	<P23258>$LongPressRing$</P23258> <BLFPressSetting_LongPressRing>$LongPressRing$</BLFPressSetting_LongPressRing>
P Value Format	P23258
Description	When long press the blf key in ring state, phone'll add this code before number. Example: <P23258>*8</P23258> <BLFPressSetting_LongPressRing>*8</BLFPressSetting_LongPressRing>
Permitted Values	string;maxlength: 0-32
Default	Blank
Web UI	Setting->Features->BLF Press Setting

Phone UI	Blank
Parameter Example	<P24983>$ShortPressTransferMode$</P24983> <BLFPressSetting_ShortPressTransferMode>$ShortPressTransferMode$ </BLFPressSetting_ShortPressTransferMode>
P Value Format	P24983
Description	It decides which transfer mode to use with short press. Example: <P24983>0</P24983> <BLFPressSetting_ShortPressTransferMode>0</BLFPressSetting_ShortPressTransferMode>
Permitted Values	Bool: 0 ~ 3
Default	0
Web UI	Setting->Features->BLF Press Setting
Phone UI	Blank
Parameter Example	<P24984>$LongPressTransferMode$</P24984> <BLFPressSetting_LongPressTransferMode>$LongPressTransferMode$ </BLFPressSetting_LongPressTransferMode>
P Value Format	P24984
Description	It decides which transfer mode to use with long press. Example: <P24984>0</P24984> <BLFPressSetting_LongPressTransferMode>0</BLFPressSetting_LongPressTransferMode>
Permitted Values	Bool: 0 ~ 3
Default	0
Web UI	Setting->Features->BLF Press Setting
Phone UI	Blank
Parameter Example	<P25098>$USBRecord_Enable$</P25098> <USBRecord_Enable>$USBRecord_Enable$</USBRecord_Enable>
P Value Format	P25098
Description	It decides which enable USBRecord. 0-Off，1-On Example: <P25098>0</P25098> <USBRecord_Enable>0</USBRecord_Enable>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24998>$SimpleRecord_Account$</P24998> <SimpleRecord_Account>$SimpleRecord_Account$</SimpleRecord_Account>
P Value Format	P24998
Description	It decides which account to use in simple record. Example: <P24998>0</P24998> <SimpleRecord_Account>0</SimpleRecord_Account>
Permitted Values	Bool: 0 ~ 15
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P24999>$SimpleRecord_UserID$</P24999> <SimpleRecord_UserID>$SimpleRecord_UserID$</SimpleRecord_UserID>
P Value Format	P24999
Description	It configures the UserID in simple record. Example: <P24999>3000</P24999> <SimpleRecord_UserID>3000</SimpleRecord_UserID>
Permitted Values	string;maxlength: 0-63
Default	0
Web UI	Blank
Phone UI	Blank

Parameter Example	<P25000>$SIP_KeepAuth$</P25000> <SIP_KeepAuth>$SIP_KeepAuth$</SIP_KeepAuth>
P Value Format	P25000
Description	It decides whether allow contain authorization in refreshed REGISTER or SUBSCRIBE. 0-Off，1-On Example: <P25000>0</P25000> <SIP_KeepAuth>0</SIP_KeepAuth>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Blank
Phone UI	Blank
Parameter Example	<P23261>$VoiceMailKeyType$</P23261> <VoiceMailKeySetting_VoiceMailKeyType>$VoiceMailKeyType$ </VoiceMailKeySetting_VoiceMailKeyType>
P Value Format	P23261
Description	It configures the voice mail key type. 0-feature code，1-xml app Example: <P23261>0</P23261> <VoiceMailKeySetting_VoiceMailKeyType>0 </VoiceMailKeySetting_VoiceMailKeyType>
Permitted Values	List [0 ~ 1]
Default	0
Web UI	Setting->Features->Voice Mail Key Setting
Phone UI	Blank
Parameter Example	<P23262>$XMLAppValue$</P23262> <VoiceMailKeySetting_XMLAppValue>$XMLAppValue$ </VoiceMailKeySetting_XMLAppValue>
P Value Format	P23262
Description	It configures the xml app value. Example: <P23262>*8</P23262> <VoiceMailKeySetting_XMLAppValue>*8</VoiceMailKeySetting_XMLAppValue>
Permitted Values	string;maxlength: 0-255
Default	0
Web UI	Setting->Features->Voice Mail Key Setting
Phone UI	Blank
Parameter Example	<P1399>$AlertRingText$</P1399> <AlertRingTextX>$AlertRingText$</AlertRingTextX>
TXT Type Format	AlertRingText4,AlertRingText5 ... AlertRingText10
P Value Format	P20059,P20060,P20061,P20062,P20063,P20064,P20065
Description	It configures the alert ring text of the features. Example: <P1399>RECEP</P1399> <AlertRingText4>RECEP</AlertRingText4> X range from: 4 ~ 10
Permitted Values	string;maxlength: 0-64
Default	Blank
Web UI	Setting->Features->Alert Ring
Phone UI	Blank
Parameter Example	<P1402>$AlertRingFile$</P1402> <AlertRingFileX>$AlertRingFile$</AlertRingFileX>
TXT Type Format	AlertRingFile4,AlertRingFile5 ... AlertRingFile10
P Value Format	P20066,P20067,P20068,P20069,P20070,P20071,P20072

Description	It configures the alert ring file of the features. 0-Default, 1-Ring 1.bin, 2-Ring 2.bin, 3-Ring 3.bin, 4-Ring 4.bin, 5-Ring 5.bin, 6-Ring 6.bin, 7-Ring 7.bin, 8-Ring 8.bin Example: <P1402>0</P1402> <AlertRingFile4>0</AlertRingFile4> X range from: 4 ~ 10
Permitted Values	List [0 ~ 8]
Default	0
Web UI	Setting->Features->Alert Ring
Phone UI	Blank
Parameter Example	<P23169>$MissedCall$</P23169> <Popups_MissedCall>$MissedCall$</Popups_MissedCall>
P Value Format	P23169
Description	It enables or disables the IP phone to display the pop-up message box when it misses a call. 0-Off,1-On Example: <P23169>0</P23169> <Popups_MissedCall>0</Popups_MissedCall>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Callback->Popups->Missed Call Popup
Phone UI	Blank
Parameter Example	<P23170>$ForwardCall$</P23170> <Popups_ForwardCall>$ForwardCall$</Popups_ForwardCall>
P Value Format	P23170
Description	It enables or disables the IP phone to display the pop-up message box when it forwards an incoming call to other party. 0-Off,1-On Example: <P23170>0</P23170> <Popups_ForwardCall>0</Popups_ForwardCall>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Callback->Popups->Forward Call Popup
Phone UI	Blank
Parameter Example	<P23171>$VoiceMail$</P23171> <Popups_VoiceMail>$VoiceMail$</Popups_VoiceMail>
P Value Format	P23171
Description	It enables or disables the IP phone to display the pop-up message box when it receives a new voice mail. 0-Off,1-On Example: <P23171>0</P23171> <Popups_VoiceMail>0</Popups_VoiceMail>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Callback->Popups->Voice Mail Popup
Phone UI	Blank
Parameter Example	<P23172>$TextMessage$</P23172> <Popups_TextMessage>$TextMessage$</Popups_TextMessage>
P Value Format	P23172
Description	It enables or disables the IP phone to display the pop-up message box when it receives a new text message. 0-Off,1-On Example: <P23172>0</P23172> <Popups_TextMessage>0</Popups_TextMessage>
Permitted Values	Bool: 0 ~ 1
Default	0
Web UI	Setting->Features->Callback->Popups->Text Message Popup

Phone UI	Blank

SMS

Parameter Example	<P58100>$Account$</P58100> <SMS_Account>$Account$</SMS_Account>
P Value Format	P58100
Description	It selects which account the current IP Phone is sending from. Example: <P58100>0</P58100> <SMS_Account>0</SMS_Account> 0-Account 1, 1-Account 2, 2-Account 3, 3-Account 4，5-Account 6, 6-Account 7, 7-Account 8, 8-Account 9，9-Account 10, A-Account 11, B-Account 12, C-Account 13，D-Account 14, E-Account 15, F-Account 16
Permitted Values	List [0 ~ F]
Default	0
Web UI	Setting->SMS
Phone UI	Message->Text Message->New Message->From
Parameter Example	<P58101>$Number$</P58101> <SMS_Number>$Number$</SMS_Number>
P Value Format	P58101
Description	It configures the extension to which the message is sent. Example: <P58101>8317</P58101> <SMS_Number>8317</SMS_Number>
Permitted Values	string;maxlength: 0-16
Default	Blank
Web UI	Setting->SMS
Phone UI	Message->Text Message->New Message->To
Parameter Example	<P58102>$Message$</P58102> <SMS_Message>$Message$</SMS_Message>
P Value Format	P58102
Description	It configures the content sent by the message. Example: <P58102>Hello</P58102> <SMS_Message>Hello</SMS_Message>
Permitted Values	string;maxlength: 0-255
Default	Blank
Web UI	Setting->SMS
Phone UI	Message->Text Message->New Message->message

Softkey Layout

Parameter Example	<P8751>$CustomSoftkey$</P8751> <SoftKeyLayout_CustomSoftkey>$CustomSoftkey$</SoftKeyLayout_CustomSoftkey>
P Value Format	P8751
Description	Enable/Disable the custom SoftKey function. Example: <P8751>1</P8751> <SoftKeyLayout_CustomSoftkey>1</SoftKeyLayout_CustomSoftkey> 0-Disable,1-Enable
Permitted Values	Bool: 0 ~ 1
Default	1
Web UI	Setting->Softkey Layout
Phone UI	Blank

Global Config Setting

Parameter Example	<P8685>$CopyRight$</P8685> <GlobalConfig_CopyRight>$CopyRight$</GlobalConfig_CopyRight>
P Value Format	P8685
Description	It configures the copyright of the Global Config. Example: <P8685>2005-2018 All Rights Reserved</P8685> <GlobalConfig_CopyRight>2005-2018 All Rights Reserved</GlobalConfig_CopyRight>
Permitted Values	string;maxlength: 0-256
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P8686>$OEMTag$</P8686> <GlobalConfig_OEMTag>$OEMTag$</GlobalConfig_OEMTag>
P Value Format	P8686
Description	It configures the OEMTag of the Global Config. Example: <P8686>company</P8686> <GlobalConfig_CopyRight> company </GlobalConfig_CopyRight>
Permitted Values	string;maxlength: 0-256
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P8951>$LogoText$</P8951> <GlobalConfig_LogoText>$LogoText$</GlobalConfig_LogoText>
P Value Format	P8951
Description	It configures the logoText of the Global Config. Example: <P8951></P8951> <GlobalConfig_LogoText></GlobalConfig_LogoText>
Permitted Values	string;maxlength: 0-256
Default	Blank
Web UI	Blank
Phone UI	Blank
Parameter Example	<P40000>$UserAgent$</P40000> <GlobalConfig_UserAgent>$UserAgent$</GlobalConfig_UserAgent>
P Value Format	P40000
Description	It configures the UserAgent of the Global Config. Example: <P40000></P40000> <GlobalConfig_UserAgent></GlobalConfig_UserAgent>
Permitted Values	string;maxlength: 0-256
Default	Blank
Web UI	Blank
Phone UI	Blank

Expansion

Parameter Example	<P60000>$KeyType$</P60000> <ExpX_Y_Z_KeyType>$KeyType$</ExpX_Y_Z_KeyType>
TXT Type Format	Exp1_1_1_Type, Exp1_1_2_Type…Exp1_1_20_Type, Exp1_2_1_Type, Exp1_2_2_Type…Exp1_2_20_Type ... Exp6_1_1_Type, Exp6_1_2_Type…Exp6_1_20_Type, Exp6_2_1_Type, Exp6_2_2_Type…Exp6_2_20_Type,

P Value Format	Exp1： P60000,P60005,P60010,P60015,P60020,P60025,P60030,P60035,P60040,P60045,P60050,P60055,P60060,P60065,P60070,P60075,P60080,P60085,P60090,P60095,P60100,P60105,P60110,P60115,P60120,P60125,P60130,P60135,P60140,P60145,P60150,P60155,P60160,P60165,P60170,P60175,P60180,P60185,P60190,P60195 Exp2-Exp6：See Declare
Description	It configures the type of the Expansion Key. 0-N/A，1-Line，2-Speed Dial，3-BLF，4-BLF List，5-Voice Mail，6-Direct Pickup，7-Group Pickup， 8-Call Park，9-Intercom，10-DTMF，11-Prefix，12-Local Group，13-XML Group，14-XML Browser， 15-LDAP，17-Conference，18-Forward，19-Transfer，20-Hold，21-DND， 22-Redial，23-Call Return，24-SMS，25-Record，26-URL Record，27-Paging，28-Group Listening， 29-Public Hold，30-Private Hold，32-Hot Desking，33-ACD，34-Zero Touch，35-URL，47-MultiCast Paging，51-Group Call Park Example: <P60000>3</P60000> <Exp1_1_1_KeyType>3</Exp1_1_1_KeyType> X-It refers to the number of expansion boards. Y-It refers to the page of expansion boards. Z-It refers to the linekey of expansion boards. X range from: 1 ~ 6 Y range from: 1 ~ 40 Z range from: 0 ~ 52
Permitted Values	List [See Declare]
Default	blank
Web UI	Function Key->EXP KEY
Phone UI	long press the button of the expansion board
Parameter Example	<P60001>$Value$</P60001> <ExpX_Y_Z_Value>$Value$</ExpX_Y_Z_Value>
TXT Type Format	Exp1_1_1_Value, Exp1_1_2_Value…Exp1_1_20_Value, Exp1_2_1_Value, Exp1_2_2_Value…Exp1_2_20_Value ... Exp6_1_1_Value, Exp6_1_2_Value…Exp6_1_20_Value, Exp6_2_1_Value, Exp6_2_2_Value…Exp6_2_20_Value,
P Value Format	Exp1： P60001,P60006,P60011,P60016,P60021,P60026,P60031,P60036,P60041,P60046,P60051,P60056,P60061,P60066,P60071,P60076,P60081,P60086,P60091,P60096,P60101,P60106,P60111,P60116,P60121,P60126,P60131,P60136,P60141,P60146,P60151,P60156,P60161,P60166,P60171,P60176,P60181,P60186,P60191,P60196 Exp2-Exp6：See Declare

Description	It configures the value of the Expansion Key. Example: <P60001>1</P60001> <Exp1_1_1_Value>1</Exp1_1_1_Value> X-It refers to the number of expansion boards. Y-It refers to the page of expansion boards. Z-It refers to the linekey of expansion boards. X range from: 1 ~ 6 Y range from: 1 ~ 2 Z range from: 1 ~ 20
Permitted Values	string;maxlength: 0-63
Default	0
Web UI	Function Key->EXP KEY
Phone UI	long press the button of the expansion board
Parameter Example	<P60002>$Label$</P60002> <ExpX_Y_Z_Label>$Label$</ExpX_Y_Z_Label>
TXT Type Format	Exp1_1_1_Label, Exp1_1_2_Label…Exp1_1_20_Label, Exp1_2_1_Label, Exp1_2_2_Label…Exp1_2_20_Label ... Exp6_1_1_Label, Exp6_1_2_Label…Exp6_1_20_Label, Exp6_2_1_Label, Exp6_2_2_Label…Exp6_2_20_Label,
P Value Format	Exp1： P60002,P60007,P60012,P60017,P60022,P60027,P60032,P60037,P60042,P60047,P60052,P60057,P60062,P60067,P60072,P60077,P60082,P60087,P60092,P60097,P60102,P60107,P60112,P60117,P60122,P60127,P60132,P60137,P60142,P60147,P60152,P60157,P60162,P60167,P60172,P60177,P60182,P60187,P60192,P60197 Exp2-Exp6：See Declare
Description	It configures the label of the Expansion Key. Example: <P60002>1</P60002> <Exp1_1_1_Label>1</Exp1_1_1_Label> X-It refers to the number of expansion boards. Y-It refers to the page of expansion boards. Z-It refers to the linekey of expansion boards. X range from: 1 ~ 6 Y range from: 1 ~ 2 Z range from: 1 ~ 20
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Key->EXP KEY
Phone UI	long press the button of the expansion board
Parameter Example	<P60003>$Account$</P60003> <ExpX_Y_Z_Account>$Account$</ExpX_Y_Z_Account>
TXT Type Format	Exp1_1_1_Account, Exp1_1_2_Account…Exp1_1_20_Account, Exp1_2_1_Account, Exp1_2_2_Account…Exp1_2_20_Account ... Exp6_1_1_Account, Exp6_1_2_Account…Exp6_1_20_Account, Exp6_2_1_Account, Exp6_2_2_Account…Exp6_2_20_Account,

P Value Format	Exp1： P60003,P60008,P60013,P60018,P60023,P60028,P60033,P60038,P60043,P60048,P60053,P60058,P60063,P60068,P60073,P60078,P60083,P60088,P60093,P60098,P60103,P60108,P60113,P60118,P60123,P60128,P60133,P60138,P60143,P60148,P60153,P60158,P60163,P60168,P60173,P60178,P60183,P60188,P60193,P60198 Exp2-Exp6：See Declare
Description	It configures the account of the Expansion Key. 0-Account 1，1-Account 2，2-Account 3，3-Account 4，4-Account 5，5-Account 6，6-Account 7，7-Account 8，8-Account 9，9-Account 10，A-Account 11，B-Account 12，C-Account 13，D-Account 14，E-Account 15，F-Account 16，50-All Contacts，51-Group，52-Interoperability，53-GroupCommon，54-EnterpriseCommon，55-Personal， 56-Custom Directories，60-remote phonebook 1，61-remote phonebook 2，62-remote phonebook 3，63-remote phonebook 4，64-remote phonebook 5，255-Auto Example: <P60003>0</P60003> <Exp1_1_1_Account>255</Exp1_1_1_Account> X-It refers to the number of expansion boards. Y-It refers to the page of expansion boards. Z-It refers to the linekey of expansion boards. X range from: 1 ~ 6 Y range from: 1 ~ 2 Z range from: 1 ~ 20
Permitted Values	List [See Declare]
Default	255
Web UI	Function Key->EXP KEY
Phone UI	long press the button of the expansion board
Parameter Example	<P60004>$Extension$</P60004> <ExpX_Y_Z_Extension>$Extension$</ExpX_Y_Z_Extension>
TXT Type Format	Exp1_1_1_Extension, Exp1_1_2_Extension…Exp1_1_20_Extension, Exp1_2_1_Extension, Exp1_2_2_Extension…Exp1_2_20_Extension, ... Exp6_1_1_Extension, Exp6_1_2_Extension…Exp6_1_20_Extension, Exp6_2_1_Extension, Exp6_2_2_Extension…Exp6_2_20_Extension,
P Value Format	Exp1： P60004,P60009,P60014,P60019,P60024,P60029,P60034,P60039,P60044,P60049,P60054,P60059,P60064,P60069,P60074,P60079,P60084,P60089,P60094,P60099,P60104,P60109,P60114,P60119,P60124,P60129,P60134,P60139,P60144,P60149,P60154,P60159,P60164,P60169,P60174,P60179,P60184,P60189,P60194,P60199 Exp2-Exp6：See Declare

Description	It configures the extension of the Expansion Key. X-It refers to the number of expansion boards. Y-It refers to the page of expansion boards. Z-It refers to the linekey of expansion boards. Example: <P60004>237</P60004> <Exp1_1_1_Extension>237</Exp1_1_1_Extension> X range from: 1 ~ 6 Y range from: 1 ~ 2 Z range from: 1 ~ 20
Permitted Values	string;maxlength: 0-63
Default	Blank
Web UI	Function Key->EXP KEY
Phone UI	long press the button of the expansion board