Polycom® UC Software 4.0.11 Rev K

For Polycom® SoundPoint® IP, Polycom® SoundStation® IP, Polycom® SoundStation® Duo, Polycom® VVX® 500 and 1500 Business Media Phones, and Polycom® SoundStructureʸ VoIP Interface

Contents

What's New in Polycom UC Software 4.0.11 Rev K

Polycom® Unified Communications (UC) software 4.0.11 Rev K is a general release that is distributed to all Polycom partners and customers. These release notes include references to previous UC software versions to assist administrators who are updating from a previous software release to a UC software 4.0.x release.

UC software 4.0.11 Rev K supports Polycom® SoundPoint® IP, Polycom® SoundStation® IP, Polycom® SoundStation® Duo, Polycom® VVX® 500 and 1500 business media phones, and VoIP Interface. For more details on configuring the phones and the software, refer to the *Polycom UC Software 4.0.5 Administrators' Guide* on [Polycom Support](#).

> **Note: Upgrading Updater on SoundStation IP 6000 and SoundStation IP 7000 systems**
>
> Polycom strongly recommends upgrading the SoundStation IP 6000 and SoundStation IP 7000 systems to use Updater 5.0.11 to ensure that all newly added certificates and the OpenSSL fix are in place before you install UC Software 4.0.11 Rev K.

> **Note: Using Polycom Desktop Connector**
>
> Polycom strongly recommends using the latest Polycom Desktop Connector (PDC) version 1.0.XXXX.16-MAY-13 17:22, available to download from the [Polycom Desktop Connector web site,](#) with UC software 4.0.11 Rev K.

New Display Component on VVX 500 Business Media Phones

VVX 500 business media phones manufactured as of May 2017 are being shipped with the new display component from a secondary component vendor. When the VVX 500 business media phone encounters an incompatible version of UC software on the provisioning server that does not support the new component, the phone installs the UC software and you may experience a flicker. This release includes a software change that makes it compatible with the new display component.

Important Upgrade Notes and Considerations in UC Software 4.0.11 Rev K

This section contains important notes on Polycom hardware and software.

Configuration Files

Since UC software 3.3.0, Polycom has simplified and extensively modified the configuration files, their respective parameters and defaults, and the provisioning methods. Some of the software updates in UC software 4.0.11 Rev K may not be compatible with configuration files from software releases prior to UC software 3.3.0. If you are updating to the UC software 4.0.11 Rev K from a release prior to 3.3.0, Polycom

recommends reading Technical Bulletin 60519: Simplified Configuration Enhancements in Polycom® UC Software 3.3.0 before you deploy the updated software.

> **Note: Using SoundStructure VoIP Interface, VVX 500 or SoundStation Duo phone**
>
> If you use a UC software version prior to 3.3.0 and want to use a SoundStructure VoIP Interface, VVX 500 or SoundStation Duo phone, you need to update your existing configuration files as described in Technical Bulletin 60519.

Upgrading to or Downgrading from UC Software 4.0.x

As of UC software 4.0.x, Polycom has changed the process of upgrading and downgrading software on the phones. To upgrade to UC software 4.0.x, you need to install the new Upgrader application. Once you have installed the Upgrader, you can install UC software 4.0.x.

To downgrade from UC software 4.0.x, you need first to install a new application called the Downgrader. Once you have installed the Downgrader, you can install an earlier UC software version.

For detailed instructions on how to upgrade and downgrade your UC software, see Polycom UC Software 4.0.x Upgrade and Downgrade Methods (Engineering Advisory 64731) on Polycom Support.

Introducing the Integrated Updater Application

In UC software 4.0.x, the Updater files and the UC software files are combined in a single, integrated software package. The Updater application is new for the UC software and replaces the BootROM application incorporated into previous software versions. The name Updater applies to UC software versions 4.0.0 or later, while the name BootROM continues to be used in UC software versions earlier than 4.0.0.

Considerations for Legacy Phones

UC software 4.0.11 Rev K does not include support for the SoundPoint IP 300, 301, 320, 330, 430, 500, 501, 600, 601, SpectraLink 84xx, and SoundStation IP 4000 phones. These phones are termed legacy products and are supported for critical issue fixes in SIP 3.2.x (IP 430), SIP 3.1.x (IP 301, 320, 330, 501, 600, 601, 4000), and SIP 2.1.x (IP 300, 500). For assistance on provisioning methods that support a mix of legacy and current products, refer to *Maintaining Older Polycom Phones Beyond Their Last Supported Software Release (Technical Bulletin 35311)* on Polycom Support.

Supporting Earlier Software versions

For details on platform support for previous software versions, refer to UC Software/SIP Software Release Matrix.

Managing SoundStation IP 7000 Phones with Polycom® HDX® Integration

If your phone deployment includes SoundStation IP 7000 phones with Polycom® HDX® 4000/6000/7000/8000/9000 integration, use the following table as a guide to select a recommended software version.

Recommended Software Versions for the SoundStation IP 7000 with HDX Systems

SoundStation IP 7000 Software Version	HDX Software Version
3.2.1 or 3.2.2 and BootROM 4.2.0	2.5.0.7, 2.5.0.8

SoundStation IP 7000 Software Version	HDX Software Version
3.2.3 and BootROM 4.2.2	2.6.0, 2.6.0.2, 2.6.1, 2.6.1.3
3.3.1 and BootROM 4.3.1	2.6.1.3, 3.0, 3.0.0.1, 3.0.0.2, 3.0.1, 3.0.2, 3.0.2.1, 3.0.3, 3.0.3.1
4.0.1 and Updater 5.0.1	3.0.3, 3.0.3.1
4.0.2 Rev B and Updater 5.0.1	3.0.4, 3.0.5, 3.1.0, 3.1.0.1
4.0.3 Rev F and Updater 5.0.1	3.1.2 , 3.1.1.2, 3.1.1.3
4.0.4 and Updater 5.0.3	3.1.3
4.0.7 and Updater 5.0.4	3.1.6*
4.0.9 and Updater 5.0.8	3.1.9

Note: Support Available Only for HDX Version 3.1.2 and Above

Support is available for HDX Version 3.1.2 and above only. Customers are encouraged to upgrade to HDX Version 3.1.2 and above and the corresponding recommended UC Software suitable for the SoundStation IP 7000..

Managing SoundStation IP 7000 Phones with Polycom® RealPresence® Group Series Integration

If your phone deployment includes SoundStation IP 7000 phones with Polycom® RealPresence® Group 300/500/700 integration, use Recommended Software Versions for the SoundStation IP 7000 with RealPresence Group Series table as a guide to select a recommended software version.

Recommended Software Versions for the SoundStation IP 7000 with RealPresence Group Series

SoundStation IP 7000 Software Version	RealPresence Group Series Software Version
4.0.2 Rev B and Updater 5.0.1	4.0.0, 4.0.0.1
4.0.3 Rev F and Updater 5.0.1	4.0.1, 4.0.2
4.0.3F and Updater 5.0.1	4.0.1, 4.0.2
4.0.4 and Updater 5.0.1	4.1.1, 4.1.1.1
4.0.5 and Updater 5.0.1	4.1.3,4.1.4, 4.1.5
4.0.7 and updater 5.0.4	4.2.0
4.0.7 and Updater 5.0.5	5.0.2

Supporting the PinYin Input Mode (XT9 input)

UC software 4.0.11 Rev K supports Chinese character input mode known as PinYin. This feature is available on VVX 1500 phones and will require a feature license for activation. Refer to *Using PinYin to*

Input Chinese Characters on Polycom VVX Business Media Phones (FP 76554) on Polycom Support to learn more.

Supporting the BroadSoft Hoteling Feature

UC software 4.0.11 Rev K supports the following Polycom phones for use with the BroadSoft Hoteling feature: SoundPoint IP 450, 550, 560, 650, and 670.

Supporting BroadSoft Premium Automatic Call Distribution (ACD)

UC software 4.0.11 Rev K supports the following Polycom phones for use with the BroadSoft Premium ACD: SoundPoint IP 450, 550, 560, 650, and 670 and VVX 500.

> **Web Info: Premium Automatic Call Distribution (ACD)**
>
> For detailed information about the ACD feature, see Using Premium Automatic Call Distribution for Call Centers (Feature Profile 76179) on Polycom Support.

Understand Phone Platform Features and Licenses

As of release 4.0.0, UC software supports the Productivity Suite, which includes features such as a Corporate Directory, Visual Conference Management, USB Call Recording, Polycom Desktop Connector, and Exchange Calendar. Upgrading to the current UC software automatically enables the Productivity Suite; no license is required. The Voice Quality Monitoring (VQMon) feature continues to be a licensed and paid product.

For customers using versions of Polycom UC software prior to 4.0.0, Polycom provides a site license for all features in the Productivity Suite, except for the VQMon feature. To get a license for the VQMon feature, select *Download a Non VQMon SITE License* on Polycom Voice Applications. You can also find a trial license for the VQMon feature which enables you access to the feature for a limited time.

UC software 4.0.11 Rev K supports a range of features that are available on the SoundPoint IP phones. Refer to the SoundPoint IP Features and Licenses table or the SoundStation and VVX Series Features and Licenses table to determine if a phone does not support a feature (No), a phone supports a feature without a license (Yes), or the phone requires a Feature License to support a feature.

SoundPoint IP Features and Licenses

Feature	SoundPoint IP 321/331/335	SoundPoint IP 450/550/560	SoundPoint IP 650/670
4-way local conference	No	Yes	Yes
Asian Languages	Chinese only	Yes	Yes
Call Recording	No	No	Yes
Conference Management	No	Yes	Yes
Configurable Soft keys	Yes	Yes	Yes
Customizable UI Background	No	Yes	Yes

Feature	SoundPoint IP 321/331/335	SoundPoint IP 450/550/560	SoundPoint IP 650/670
Electronic Hookswitch	Yes	Yes	Yes
Enhanced BLF	No	Yes	Yes
Enhanced Feature Keys	Yes	Yes	Yes
H.323 Video	No	No	No
VQMon	Feature License	Feature License	Feature License

SoundStation, VVX Series, and SoundStructure VoIP Interface Features and Licenses

Feature	SoundStation IP 5000	SoundStation IP 6000	SoundStation IP 7000	SoundStation Duo	VVX 1500	VVX 500	SoundStructure VoIP Interface
Asian Languages	Yes	Yes	Yes	Yes	Yes	Yes	No
Conference Management	No	No	Yes	Yes	Yes	Yes	No
Customizable UI Background	No	No	No	No	Yes	Yes	No
Electronic Hookswitch	No	No	No	No	Yes	Yes	No
Enhanced BLF	No	No	No	No	No	Yes	No
Enhanced Feature Keys	No	No	Yes*	No	Yes	Yes	No
H.323 Video	No	No	No	No	Feature License	No**	No
Local Call Recording	No	No	No	No	Yes	Yes	No
Pinyin Character Entry	No	No	No	No	Feature License	No	No
VQMon	Feature License	No	No	Feature License	Yes	Yes	No

*Yes - Supported as of UC software 3.3.0

**Video is not supported in this release, but is available with an optional Polycom® VVX® camera accessory in UC software 4.1.3 and later releases

Release History

This following table shows the release history of Polycom® Unified Communications (UC) software 4.0.11 Rev K.

Release History

Release	Release Date	Features
4.0.11 Rev K	April 2017	New software change on VVX 500 business media phones to support new LCD panel on the phones.
4.0.11	June 2016	This release has important field fixes.
4.0.10 Rev D	April 2016	This release has important field fixes.
4.0.10	January 2016	This release has important field fixes.
4.0.9	June 2015	This release has important field fixes.
4.0.8	January 2015	This release has important field fixes.
4.0.7	July 2014	This release has important field fixes.
4.0.6	March 2014	Added support for the improved touchscreen driver for the VVX 500 business media phone.
4.0.5	December 2013	Added support for GENBAND directory, Global Address Book (GAB) and Personal Address Book (PAB). Added support for Multiple Appearance Directory Number-Single Call Appearance (MADN-SCA) for Shared Line Appearance scenarios.
4.0.4 Rev C	June 2013	Added corporate directory under the **Directories** softkey in the call transfer menu.

Security Updates

Refer to the Polycom Security Center for information about known and resolved security vulnerabilities.

Install UC Software 4.0.11 Rev K

Consider the following installation and update information when using Polycom UC Software 4.0.11 Rev K. Download the Distribution Files

You can download UC software 4.0.11 Rev K using either the combined file or the split file, both in ZIP file format. For general use, Polycom recommends using the split file that corresponds to the phone model(s) for your deployment. Refer to the Understanding the Split ZIP File table to match the correct software file to your phone model. If you are provisioning your phones centrally using configuration files, download the corresponding file version and extract the configuration files to the provisioning server, maintaining the folder hierarchy in the ZIP file.

Polycom recommends using the split ZIP file when possible for a shorter upgrade time. However, in some deployments, you need to download both the combined and split files. For example, deployments running a BootROM version prior to BootROM 4.0.0 require the combined file version. If you require both file versions, download both ZIP files, extract all the configuration files from the split version and extract the **sip.ld** file from the combined file version. All files other than the **sip.ld** files are duplicated across the two ZIP file versions.

The current build ID for the **sip.ld** and resource files listed in the Understanding the Split ZIP File table and the Understanding the Combined ZIP File table is **UCS 4.0.11.1401**.

Download the Split ZIP File

Use to match your phone model with the correct split distribution file and to understand the configuration files included in the distribution files.

Understanding the Split ZIP File

Distributed Files	File Purpose and Application
2345-12360-001.sip.ld	SIP application executables for SoundPoint IP 321
2345-12365-001.sip.ld	SIP application executable for SoundPoint IP 331
2345-12375-001.sip.ld	SIP application executable for SoundPoint IP 335
2345-12450-001.sip.ld	SIP application executable for SoundPoint IP 450
2345-12500-001.sip.ld	SIP application executable for SoundPoint IP 550
2345-12560-001.sip.ld	SIP application executable for SoundPoint IP 560
2345-12600-001.sip.ld	SIP application executable for SoundPoint IP 650
2345-12670-001.sip.ld	SIP application executable for SoundPoint IP 670

Distributed Files	File Purpose and Application
3111-30900-001.sip.ld	SIP application executable for SoundStation IP 5000
3111-15600-001.sip.ld	SIP application executable for SoundStation IP 6000
3111-40000-001.sip.ld	SIP application executable for SoundStation IP 7000
3111-19000-001.sip.ld	SIP application executable for SoundStation Duo
3111-44500-001.sip.ld	SIP application executable for VVX 500
2345-17960-001.sip.ld	SIP application executable for VVX 1500
3111-33215-001.sip.ld	SIP application executable for SoundStructure VoIP Interface
sip.ver	Text file detailing the build-identification(s) for the release
000000000000.cfg	Master configuration template file
000000000000-directory~.xml	Local contact directory template file. To apply on a per phone basis, replace the 0s with the MAC address of the phone and remove '~' from the file name.
applications.cfg	Contains configuration parameters for microbrowser and browser applications
features.cfg	Contains configuration parameters for telephony features
H323.cfg	Contains configuration parameters for the H.323 signaling protocol
reg-advanced.cfg	Contains configuration parameters for the line and call registration and advanced phone feature settings
reg-basic.cfg	Contains configuration parameters for the line and call registration and basic phone feature settings
region.cfg	Contains configuration parameters for regional and localization settings such as time and date and language
sip-basic.cfg	Contains configuration parameters for the VoIP server, softswitch registration
sip-interop.cfg	Contains configuration parameters for the VoIP server, softswitch registration, and interoperability configuration
site.cfg	Contains configuration parameters that are set on a per site basis
video.cfg	Contains configuration parameters for video connectivity
video-integration.cfg	Contains configuration parameters for SoundStation IP 7000 and Polycom HDX integration

Distributed Files	File Purpose and Application
SoundPointIP-dictionary.xml	Includes native support for the following languages:
	Chinese, Traditional (for SoundPoint IP 321, 331, 335, 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Chinese, Simplified (for SoundPoint IP 321, 331, 335, 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Danish, Denmark
	Dutch, Netherlands
	English, Canada
	English, United Kingdom
	English, United States
	French, France
	German, Germany
	Italian, Italy
	Japanese, Japan (for SoundPoint IP 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Korean, Korea (for SoundPoint IP 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Norwegian, Norway
	Polish, Poland
	Portuguese, Portugal
	Russian, Russia
	Slovenian, Slovenia
	Spanish, Spain
	Swedish, Sweden
SoundPointIPWelcome.wav	Start-up welcome sound effect
LoudRing.wav	Loud ringer sound effect
Warble.wav	Loud ringer sound effect

Download the Combined ZIP File

Use Understanding the Combined ZIP File as a reference guide to each of the files distributed in the combined ZIP file and a brief description of each file. The combined file is required for any phones running BootROM prior to BootROM version 4.0.0: for example, BootROM 3.2.3 Rev B.

Understanding the Combined ZIP File

Distributed Files	File Purpose and Application
sip.ld	Concatenated SIP application executable
sip.ver	Text file detailing build-identification(s) for the release
000000000000.cfg	Master configuration template file

Distributed Files	File Purpose and Application
000000000000-directory~.xml	Local contact directory template file. To apply on a per phone basis, replace the 0s with the MAC address of the phone and remove '~' from the file name.
applications.cfg	Contains configuration parameters for microbrowser and browser applications
features.cfg	Contains configuration parameters for telephony features
H323.cfg	Contains configuration parameters for the H.323 signaling protocol
reg-advanced.cfg	Contains configuration parameters for line and call registration and advanced phone feature settings
reg-basic.cfg	Contains configuration parameters for line and call registration and basic phone settings
region.cfg	Contains configuration parameters for regional and localization settings such as time and date and language
sip-basic.cfg	Contains configuration parameters for the VoIP server and softswitch registration
sip-interop.cfg	Contains configuration parameters for the VoIP server, softswitch registration, and interoperability configuration
site.cfg	Contains configuration parameters that are set on a per site basis
video.cfg	Contains configuration parameters for video connectivity
video-integration.cfg	Contains configuration parameters for SoundStation IP 7000 and Polycom HDX integration

Distributed Files	File Purpose and Application
SoundPointIP-dictionary.xml	Includes native support for the following languages:
	Chinese, Traditional (for SoundPoint IP 321, 331, 335, 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Chinese, Simplified (forSoundPoint IP 321, 331, 335, 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Danish, Denmark
	Dutch, Netherlands
	English, Canada
	English, United Kingdom
	English, United States
	French, France
	German, Germany
	Italian, Italy
	Japanese, Japan (for SoundPoint IP 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Korean, Korea (for SoundPoint IP 450, 550, 560, 650, 670; SoundStation IP 5000, 6000, 7000, SoundStation Duo)
	Norwegian, Norway
	Polish, Poland
	Portuguese, Brazil
	Russian, Russia
	Slovenian, Slovenia
	Spanish, Spain
	Swedish, Sweden
SoundPointIPWelcome.wav	Startup welcome sound effect
LoudRing.wav	Loud ringer sound effect
Warble.wav	Loud ringer sound effect

Known Issues and Suggested Workarounds

The following table lists the known issues and suggested workarounds for UC Software 4.0.11 Rev K. Known issues for previous UC Software releases are listed in the remaining tables.

Known Issues and Suggested Workarounds for UC Software 4.0.11 Rev K.

There are no new known issues for UC Software 4.0.11 Rev K. The following issues are known to be present in previous releases and will be reviewed for possible fixes in a future release if no reasonable workaround is available.

Known Issues and Suggested Workarounds for Previous Software Versions

Category	Issue No	Found in Release	.Description	Workaround
Calling	VOIP-112734	4.0.10	Call retrieve does not work on VVX 500 for 3CX server.	No workaround is currently available
User Interface	VOIP-101667	4.0.7	Phones configured to use the custom cipher suite display the cipher list incorrectly.	Enable SSLv2/v3. To do this, do one of the following: • In the configuration file, add the device parameter device.sec.TLS. SSLv2v3.enable d • From the user interface, go to Settings>Advanc ed>Admin Settings>TLS Security>Enable SSLv2/v3
User Interface	VOIP-93548		Back soft key is not functioning at times when viewing the details of a contact while navigating through the select button on the dial pad (applies to VVX 1500).	Use view and back soft keys on the phone.
Corporate Directory	VOIP-93433		The phone is not displaying pre-populated text strings [Search (ABC/ASCII)] under search screen of Corporate Directory.	No workaround is currently available.

Category	Issue No	Found in Release	.Description	Workaround
User Interface	VOIP-98086	4.0.8	When you edit a directory entry and save changes, the **Save** softkey does not clear correctly.	Do one of the following: • Wait a few minutes and the screen will time out. • Press the left navigation key, and then press the **Back** key in the top left corner of the screen.
User Interface	VOIP-98141	4.0.8	When you do a quick search in the Genband GAB, the Submit softkey does not display correctly.	Perform the search using Advanced Search.
	VOIP-26615		Subnet mask forces all packets through gateway when not using DHCP and when using the wrong subnet mask for the network class in use. For example, using 192.168.X.X addresses with a 255.255.0.0 subnet mask. This issue exists in SIP 1.4.x.	Use the correct subnet mask.
	VOIP-26920		Centralized conference fails due to RTP port opening too slowly in some cases.	No workaround is currently available.
	VOIP-30086		Boot servers running explicit FTPS are not supported.	Use implicit FTPS or HTTPS.
	VOIP-30371		Pattern generator for tones does not work well in the case of a single repeating chord.	Start the pattern with a short period of silence followed by the desired initial chord. Loop back to the desired initial chord instead of the initial silence.
	VOIP-33445		LCS Presence and dialing from Buddy Lists does not work across federations.	To dial contacts across federations, program a speed dial with the SIP URI of the contact. There is no workaround for watching Federated Buddy status from the phone.
	VOIP-37175		If configuration files are used to set the SNTP server address, date validity checking on CA certificates will be ignored for https provisioning.	Set the SNTP server address through the phone UI or use DHCP to inform the phone of the SNTP server address.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-37273		If the custom idle display and idle browser features are both enabled, the phone UI displays incorrectly.	Do not set ind.idleDisplay.enabled =1 and enable the Idle Browser at the same time.
	VOIP-37984		Enabling the Idle bit-map on SoundPoint IP 330 and 320 phones causes the line key labels and dialed digits to be invisible.	Do not use the idle bit-map on 330/320 phones; instead, set ind.idleDisplay.enabled =0.
	VOIP-41993		Scrolling through the Corporate Directory may not return complete results if results contain Unicode character values > 127 (server does not support sorting).	Start the search in a different location or avoid use of Unicode characters >127 in directories.
	VOIP-42027		In certain scenarios, the time-stamping in log files of a SoundStation IP 7000 that is used as a secondary/slave device is incorrect.	As of SIP 3.1.0 the occurrence of this issue only relates to the treatment of Daylight savings Time settings.
	VOIP-44764		SRTP processing may cause performance degradation with certain video/audio codec combinations on the VVX 1500.	If SRTP is being used, limit the video bit rate to 384 Kbps.
	VOIP-46997		Camera brightness adjustment does not work between levels 3 to 6 on the VVX 1500.	No workaround is currently available.
	VOIP-48905		Jitter parameter is not correctly computed on the SoundStation IP 6000/7000 as per RFC3550.	No workaround is currently available.
	VOIP-52141		Daisy-chained SoundStation IP 7000 phones sometimes become stuck during software upgrade.	Pressing any key on the phone will continue the upgrade.
	VOIP-52142		Video connections with CounterPath Eyebeam client on the VVX 1500 do not work if H.263-1998 codec is selected. This was experienced with Eyebeam version 1.5.19.5 build 52345.	Try using a different codec. Try other versions of Eyebeam client as some do work.
	VOIP-53514		H.264 calls to an HDX 9002 device using an MGC 50 Gateway using H.320 result in lip sync issues (applies to VVX 1500).	Set the call for transcoding on the MGC.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-54027		The receiving phone does not re-invite with a new key at the half-life of the key life-time.	Ensure that both ends use the same key life time so that the sending phone will initiate a key re-negotiation.
	VOIP-54028		Key changes do not function correctly when multiple crypto suites are enabled.	Configure a single crypto suite on the phone.
	VOIP-54321		The VVX 1500 does not receive video (does receive audio) when calls are initiated from a Tandberg C20 (running 2.0.0.191232) device using SIP.	No workaround is currently available.
	VOIP-54799		The VVX 1500 transmits H.264 QCIF video to Tandberg MXPs in H.323 calls.	Set the video bit rate on the VVX 1500 to 512 Kbps to avoid the issue.
	VOIP-54976		H.264 calls to a Tandberg Edge95 MXP device using a Tandberg Gateway using encrypted media (offered but not required) results in distorted audio and no video on the VVX 1500.	Configure system for encryption required.
	VOIP-54977		H.264 calls to a Tandberg Edge95 MXP device using a Tandberg Gateway result in lip sync issues on the VVX 1500.	No workaround is currently available.
	VOIP-59812		Blind transfer to a URL is not successful on the SoundStation IP 7000. Eventually, the URL soft key becomes unavailable.	No workaround is currently available.
	VOIP-61091		The configuration parameter tcpIpApp.port.rtp.forceSend=1024 works only for the SoundStation IP 6000, 7000 and VVX 1500. It does not function properly for SoundPoint IP phones.	No workaround is currently available.
	VOIP-62387		Adding a new line registration to a phone with BLF causes the notifications (ringing) for the BLF line to display on the previous line. Introduced in UC software 3.3.1	A phone reset will resolve the issue.
	VOIP-62482		Server certificate Serial Number is checked against the host name if the outbound proxy is configured.	No workaround is currently available.
	VOIP-63123		Instead of initiating a new call, an attendant phone plays a reorder tone when a BLF line key is pressed for the second time.	No workaround is currently available.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-63527		Phone sends out INVITE and CANCEL if no provisional response is received.	No workaround is currently available.
	VOIP-63609		Cannot answer a call using the speaker soft key when DND is enabled and call.rejectBusyOnDnd is set to zero (applies to SpectraLink 84xx).	No workaround is currently available.
	VOIP-66251		British Telecom Caller ID type is not correctly supported (applies to SoundStation Duo).	No workaround is currently available.
	VOIP-68815		The phone does not send a CallState=CallConference notification when a conference is established (applies to all SoundPoint IP and SpectraLink 84xx).	No workaround is currently available.
	VOIP-69502		Confirm Click-to-dial text does not appear on the SoundPoint IP 331 phone when SNTP fails.	Configure SNTP.
	VOIP-69552		Music on hold (MOH) call dialog does not get terminated when there is an update from the MOH server.	End the call to restore normal state.
	VOIP-69735		When the phone is registered with a H.323 line, DTMF digits are not sent in the Tel URI call with Ext and Postd options (applies to VVX 500 and 1500).	No workaround is currently available.
	VOIP-69898		Quick search bar on the SoundPoint IP 321, 330, 331, and 355 accepts only 15 characters when the corporate directory is configured.	No workaround is currently available.
	VOIP-70480		When the phone is using the Polycom Desktop Connector, the keyboard arrow keys do not support active and inactive call navigation (applies to VVX 500).	No workaround is currently available.
	VOIP-70728		Software Upgrade does not work if <partnumber>.xml file is not specified as a part of upgrade.custom.server.url configuration value.	Ensure the part-number.xml file is part of the upgrade.custom.server url configuration value.
	VOIP-71386		Soft keys URIs do not function when the phone is in the Enter Number screen (applies to VVX 1500).	No workaround is currently available.
	VOIP-71800		Users cannot change the user password using the Web Configuration Utility.	Use the phone's user interface to change the user password.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-72082		The phones do not detect a server certificate status change from REVOKED to GOOD until the phone is rebooted (applies to SoundPoint IP 321, 331, 450, 550, 560, 650, and 670, and SoundStation 5000.)	No workaround is currently available.
	VOIP-72211		An explicitly trusted Intermediate CA fails TLS verification when it is the issuer of a server certificate.	No workaround is currently available.
	VOIP-72242		Phone is not able to connect to radius server when configured with EAP method as PEAP and inner authentication as GTC (applies to VVX 500).	Recommend to use Cisco ACS server 5.1 or higher.
	VOIP-72299		When the SoundPoint IP 450, 560, 650 phones are registered with BLA lines, they continue to display remote hold appearances even after the remote BLA resumes the call.	No workaround is currently available.
	VOIP-72387		After pressing the Transfer soft key, the remote BLA line does not show remote hold status when call.shared.exposeAutoHolds is set to 1.	No workaround is currently available.
	VOIP-72601		The SoundPoint IP 33x phones fail to dial authorized call when in the Phone Locked state.	No workaround is currently available.
	VOIP-72677		When a NOTIFY message with a higher version is sent, the phone re-subscribes to the server and gets a NOTIFY with the correct version, but fails to update the dialog with the state (applies to SoundPoint IP 450/560/650).	No workaround is currently available.
	VOIP-72898		Hard key external URL mapping requires EFK enabled on the SoundPoint IP 650.	Enable EFK using configuration files.
	VOIP-73015		The LifeSize Team 220 behaves incorrectly by remaining in a connecting state when there is a call from VVX 1500 over H323.	No workaround is currently available.
	VOIP-74120		Plantronics Audio 646 DSP USB headset volume control does not work (applies to VVX 500).	Adjust the volume using the volume keys on the phone.
	VOIP-74533		A phone configured with a Synergy call server displays the incorrect caller ID on the UI for an incoming call (applies to VVX 1500).	No workaround is currently available.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-74650		In an active audio-only call between a PC client and a VVX 1500, the far end video never starts on the PC client when a user presses Add Video.	No workaround is currently available.
	VOIP-74763		The MKC5 key to upload logs doesn't work (applies to SoundStation Duo).	No workaround is currently available.
	VOIP-74958		When DND is enabled, the phone misses the call forward message "Fwd:<number>" (applies to VVX 500, VVX 1500, and SpectraLink 84xx).	No workaround is currently available.
	VOIP-75157		A phone configured with a Synergy call server displays the incorrect soft keys after a "Conference service unavailable" error is shown. This issue exists in UC software 3.3.3.	No workaround is currently available.
	VOIP-75195		Hold/Transfer/Conference does not display when the parameter softkey.feature.basicCallManagement.redundant = 0 (applies to SoundStation Duo).	No workaround is currently available.
	VOIP-75229		A phone configured with a Synergy call server displays the local conference UI when establishing a centralized conference using the Join soft key.	No workaround is currently available.
	VOIP-75427		The Unified Call Appearance List (UCAL) filtered view times out to the default UCAL view when a user scrolls the filtered list and does not change the focus (applies to VVX 500).	No workaround is currently available.
	VOIP-75661		The multi key combination shortcuts for uploading logs and rebooting the phone sometimes do not work (applies to VVX 500).	No workaround is currently available.
	VOIP-75671		When parking a call from the Favorites menu, the call park input dialog (where users enter a park extension) disappears (applies to VVX 500).	No workaround is currently available.
	VOIP-75759		Numeric data entered using the dial pad on the phone browser cannot be deleted using the dial pad.	Use the virtual keyboard.
	VOIP-75778		Using Microsoft Lync, if a user dials an invalid extension, the entry is sometimes not logged in the Placed Calls call list.	No workaround is currently available.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-75869		Changing the local contact directory search option from first name to last name, and vice versa, causes the Restart and Save soft keys to be missing on the phone.	Exiting and re-entering the directory fixes the issue.
	VOIP-75898		Pressing the App hard key on the phone and trying to dial highlighted/focused SIP/Tel URI does not work with the microbrowser (applies to VVX 1500 and 500).	No workaround is currently available.
	VOIP-76522		In the hoteling call center feature, the phone does not display the status of the call center when there is a special character in the call center name.	The call center administrator can set the names appropriately.
	VOIP-76655		Using star (*) in the dial string on the SoundStation IP 7000 causes the phone to send it as a dot (.) to the HDX video end points.	Two stars (**) should be used.
	VOIP-76753		Removing a BLF line from the server causes the speed dial icon to disappear.	Restart or reboot the phone, and the icon will re-appear.
	VOIP-76881		On a shared call, reorder tone is not played to the user when Resume attempt fails.	No workaround is currently available.
	VOIP-76977		Adding a new registration line changes the BLF-monitored lines label from first/last name to its extension number.	Rebooting the phone will resolve.
	VOIP-77039		When PTT is enabled, sender name/ID, updated through the parameter reg.x.displayname, does not get updated during the PPT call.	No workaround is currently available.
	VOIP-77076		When the XT9 input mode is enabled, the phone displays unmatched UIMA-focused items in the first position during XT9 (PinYin) input.	No workaround is currently available.
	VOIP-77818		In a shared line scenario, the phone does not display the Resume option for a hold call.	No workaround is currently available
	VOIP-78232		During a remote conference pickup on a shared line, the phone does not display the call appearance and call indicator.	No workaround is currently available.
	VOIP-78340		Sending several MWI NOTIFY messages within a few seconds of each other may cause the phone to reset.	Avoid sending multiple MWI messages close together.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-78363		In a shared line scenario with calls on hold, the Call Appearance screen times out and does not return the phone to remote active state (applies to SoundStation IP 7000).	Try pressing the Resume or New Call followed by Cancel soft keys.
	VOIP-81123		During voicemail playback, going off hock and on hock stops the phone from responding to the Menu, New Call, Dir, Dial, Dial pad Number keys and the Volume Increase/Decrease soft keys.	Try pressing the Line1, Hands free, and Headset buttons to make the phone responsive.
	VOIP-81366		In PSTN mode, the Enter Number screen pops up and obstructs the swapping of calls during a conference call (applies to SoundStation Duo).	Wait for the Enter Number screen to disappear.
	VOIP-84457		Phone is playing SystemRing.wav ringtone instead of Low Trill Precedence or Ring Splash ringers when the parameter reg.1.ringType is set to ringer13 or ringer14.	Try to change the ringtone using the phone's user interface.
	VOIP-84700		A loud noise is observed on the phone when the user presses the Conference soft key followed by the Cancel soft key in PSTN mode (applies to SoundStation Duo).	No workaround is currently available.
	VOIP-85142		Observed an incorrect timer update when a media file is paused and then played on the microbrowser.	No workaround is currently available.
	VOIP-85801		In a PTT scenario, the phone is unable to switch audio termination from speaker to headset by pressing the headset hard key when the page is in progress (applies to SoundPoint IP 335 and 670).	No workaround is currently available.
	VOIP-85908		Phone no longer supports .jpg images (applies to SoundPoint IP 321/331 and 335).	No workaround is currently available.
	VOIP-89407		In an MADN scenario, observed that the received call list on the phone is not getting updated when a MADN call is answered by a different destination.	No workaround is currently available.
	VOIP-90046		Observed that the paging is not getting initiated by pressing the mute hard key after remapping the Mute hard key for paging (applies to SoundPoint IP 321)	No workaround is currently available.

Category	Issue No	Found in Release	.Description	Workaround
	VOIP-90174 / VOIP-90522		In a GENBAND environment, making video calls from the phone to RealPresence Group series or HDX is not supported	No workaround is currently available.

Updates to Previous Software Releases

This section lists new, enhanced, and discontinued software features and capabilities in previous software releases.

Important Upgrade Notes and Considerations in UC Software 4.0.11

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Important Update

Impacted: All Polycom SoundPoint IP, Soundstation IP and VVX Business Media Phones.

Details: This release includes a critical fix (VOIP-116371) that corrects a problem with Polycom phones manufactured with a serial number or MAC address in the range 64167F as opposed to 0004F2. Without this fix, customers using Polycom phones with the new serial number range will see impaired performance.

Recommendation: Polycom recommends that this release be used for all phones going forward. Phones with older serial numbers or MAC addresses will continue to work correctly with this build with no impact.

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What's New in Polycom UC Software 4.0.11

This release has a new software change and resolved issues from previous releases.

New Features in 4.0.11

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.11 beside their respective Polycom tracking identification numbers.

New or Enhanced Features

The 4.0.11 software version includes the features and functionality of version 4.0.10, with the addition of important field fixes.

Resolved Issues

The following issues have been resolved for the UC Software 4.0.11 release.

UC Software 4.0.11 Resolved Issues

Category	Issue No.	Found in Release	Description
Calling	VOIP-115888	4.0.9	Outbound calls from the Multiple Appearance Directory Number (MADN) lines now display the called number.

Category	Issue No.	Found in Release	Description
Calling	VOIP-116267	4.0.9	Phones now use the contact uniform resource identifier (URI) and Tel URI in the request line of the BYE message. When the reg.1.telUri parameter is disabled, the phone uses the contact URI and the call ends. When the reg.1.telUri parameter is enabled, the phone uses the Tel URI and the call ends.
Calling	VOIP-117314	5.4.2	Ringer and paging, hands-free and Push-to-talk (PTT), and handset and headset loudness in phones are now boosted up to full scale when a low power signal is received. For more details on the configuration parameters added for this issue, see Configuration File Enhancements.
Calling	VOIP-117387	4.0.9	Outbound calls from the MADN lines now show the called number without any issue.
Cisco	VOIP-108644	4.0.8	SoundStation IP 6000 no longer displays the "DHCP failed" message when connected to a Cisco® Catalyst® 2960-X switch with ports set to auto negotiate
Configuration	VOIP-115998	4.0.8 4.0.9	SoundPoint IP 550 phones now send network address translation (NAT) keep alive messages to the call server without any issue.
Configuration	VOIP-117275	4.0.10	The SoundStation IP 7000 performance has been improved by increasing the available free space.
Functionality	VOIP-112880	4.0.9	If the phone auto-answers a click-to-dial call, the phone plays the correct ringtone and not the reboot ringtone.
Functionality	VOIP-116990	4.0.10	Phone works fine and no longer causes issues during an incoming call while the phone is under any of the menus from the Home Screen and the call is ended by the far end before the call is answered.
General	VOIP-113784	4.0.9	Forwarding a call manually no longer causes any issues even if feature.urlDialing.enabled parameter is disabled
General	VOIP-114780	4.0.8 4.0.9 4.0.10	During an incoming page, if the volume is increased in the phone, the phone now retains the increased paging volume.
General	VOIP-117261	5.4.4 4.0.10	During an outage, the phone now falls back to the secondary server and sends the SUBSCRIBE message for registration and presence.
Security	VOIP-113939	5.4.1	The following two StartCom Root CA certificates are added to the Polycom trusted CA bundle: • StartCom Certification Authority • StartCom Certification Authority G2

Category	Issue No.	Found in Release	Description
User Interface	VOIP-114192	4.0.9	The **Forward After Rings** UI no longer gets over lapped with its value configured.

Configuration File Enhancements

The following table includes configuration file enhancements for this release.

UC Software 4.0.11 Configuration File Enhancements

Parameter	Permitted Values	Default
call.shared.preferCallInfoCID	**0 or 1**	**0**
If the value is 0, the Caller-ID information received in the 200 OK status code will not be ignored if the NOTIFY message received with caller information includes display information. If the value is set to 1, the Caller-ID information received in the 200 OK status code will be ignored if the NOTIFY message received with caller information includes display information.		
voice.handsetHeadset.rxdg.offset	**9 to -12**	**0**
Offsets the RxDg range of the handset and headset by the specified number of decibels.		
voice.ringerPage.rxdg.offset	**9 to -12**	**0**
Offsets the RxDg range of the ringer and hands-free Page by the specified number of decibels.		
voice.handsfreePtt.rxdg.offset	**9 to -12**	**0**
Offsets the RxDg range of the hands-free and hands-free Push-to-Talk (PTT) by the specified number of decibels.		
voIpProt.SIP.newCallOnUnRegister	**0 or 1**	**1**
If the value is set to 1, the phone generates a new caller-ID from the "From" tag while re-registering. If the value is set to 0, the phone does not generate a new caller-ID from the "From" tag while re-registering.		
voIpProt.SIP.looseContact	**0 or 1**	**0**
If the value is 0, the ephemeral port is added to the contact header in the Transport Layer Security connection (TLS) case. If the value is set to 1, the port parameter will not be added to the contact header message or SIP messages.		
call.autoAnswer.playTone.enable	**0 or 1**	**1**
If call.autoAnswer.playTone.enable is enabled, the auto-answer tone is played. If call.autoAnswer.playTone.enable is disabled, the auto-answer tone is not played.		

Updates to UC Software 4.0.10

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.10 beside their respective Polycom tracking identification numbers.

Configuration File Enhancements

The following table includes configuration file enhancements for this release.

UC Software 4.0.10 Configuration File Enhancements

Parameter	Permitted Values	Default
voIpProt.SIP.dtmfViaSignaling.rfc2976.nonLegacyEncoding	**0 or 1**	**1**
If 1, the phone sends " * " and " # " for " * " and " # " when relaying DTMF digits using the SIP INFO method. If 0, the phone sends "10 " and "11" for " * " and " # " when relaying DTMF digits using the SIP INFO method.		
sec.TLS.profile.webServer.cipherSuiteDefault	**0 to 1**	**1**
If 0, use the custom cipher suite for web server profile. If 1, use the default cipher suite.		
voIpProt.server.x.failOver.failBack.mode	**newRequests, DNSTTL, registration, duration**	**duration**
The default value for this parameter is changed to "duration" from "newRequests".		
voIpProt.SIP.outboundProxy.failOver.failBack.mode	**newRequests, DNSTTL, registration, duration**	**duration**
The default value for this parameter is changed to "duration" from "newRequests".		
reg.x.outboundProxy.failOver.failBack.mode	**newRequests, DNSTTL, registration, duration**	**duration**
The default value for this parameter is changed to "duration" from "newRequests".		
reg.x.server.y.failOver.failBack.mode	**newRequests, DNSTTL, registration, duration**	**duration**
The default value for this parameter is changed to "duration" from "newRequests".		
sec.TLS.LDAP.strictCertCommonNameValidation	**0 or 1**	**1**
If 0, the Common Name validation of the certificate used for LDAPS (LDAP over TLS) connection is skipped. If 1, the Common Name of the certificate used for LDAPS (LDAP over TLS) connection is validated. Note: Changing this parameter value causes the phone to restart.		
softkey.feature.silence	**0 or 1**	**1**
If 0, the **Silence** softkey is disabled. If 1, the **Silence** softkey is enabled.		

Parameter	Permitted Values	Default
sec.TLS.cipherList	**String**	**RSA:!EXP:!LOW:!NULL:!MD5:!RC4:@STRENGTH**

For this parameter, the default value is changed from "RSA:!EXP:!LOW:!NULL:!MD5:@STRENGTH" to "RSA:!EXP:!LOW:!NULL:!MD5:!RC4:@STRENGTH".

Resolved Issues

The following issues have been resolved for the UC Software 4.0.10 release.

UC Software 4.0.10 Resolved Issues

Category	Issue No.	Found in Release	Description
Audio	VOIP-111421	4.0.9	Repeat pressing a DTMF digit by the callee does not causes packet loss, which would have decreased the Mean Opinion Score (MOS) in the Voice Quality monitoring system. The MOS remains constant as expected.
Calling	VOIP-102676	4.0.7	The 3CX call park feature with TCP trunk does not cause one-way audio and the phone is able to unpark call.
Calling	VOIP-102748	4.0.7	Phone uses the blind transfer behavior from EFK soft keys, and sends a HOLD before the REFER message.
Calling	VOIP-104132	4.0.9	If an Emergency server is not configured, emergency calls are routed through the registrar server and any calls dialed to configured emergency numbers are treated as emergency calls.
Contact Directory	VOIP-110539	4.0.8	The phone does not reboot if a contact is not selected and dialed within two seconds of receiving search results in the Corporate Directory search.
General	VOIP-101787	4.0.5	Phone scrolls the TO and FROM headers in the caller ID in BLF feature with Genband.
General	VOIP-102240	5.3.0	The default for the following parameters is changed from "newRequests" to "duration". • voIpProt.server.x.failOver.failBack.mode • voIpProt.SIP.outboundProxy.failOver.failBack.mode • reg.x.outboundProxy.failOver.failBack.mode • reg.x.server.y.failOver.failBack.mode
General	VOIP-102354	5.4.0	Mismatch between file system versions due to a flash corruption is fixed. The phone now starts successfully without displaying the **Fix** soft key.

Category	Issue No.	Found in Release	Description
General	VOIP-102415	4.0.10	A new configuration parameter is added to support the draft-kaplan-dispatch-info-dtmf-package draft for relaying DTMF digits.
General	VOIP-102488	4.0.8	IP 5000 software acquires DHCP address sucessfully when option 43 uses HEX value.
General	VOIP-103424	4.0.8	When a call server sends a NOTIFY message to the phone with "State : TERMINATED", the phone does not send additional SUBSCRIBE messages once the call is cancelled.
General	VOIP-105621	4.0.8	Enabling SSLv3 on the LDAP server and disabling the same on the phone does not cause phone freeze or power off after one day from reboot.
General	VOIP-108864	4.0.9	The phone sends a CANCEL request if the call is ended, even if there has been no response from the server for the original INVITE request.
General	VOIP-109628	4.0.4	The overall Mean Opinion Score (MOS) is accurate even when there are several SSRC changes, for example, when codec changes. The phone triggers a VQMon report when SSRC change is reported by DSP.
General	VOIP-110514	4.0.9	Common Name validation of the certificate used for LDAPS (LDAP over TLS) connection is configurable through configuration file, phone interface, and Web UI.
Inter-operability	VOIP-102162	4.0.9	Improved VVX 1500 integration with RPRM.
Network	VOIP-106112	4.0.8	Phone does not broadcast SIP and RTP packages to PC port and prevents unwanted network load.
Provisioning	VOIP-106847	4.0.8	Phones does not get into a reboot loop when provisioning from an FTP server that has a contact directory with more than 350 contacts.
Provisioning	VOIP-109272	4.0.9	For a call number that ends in "#" or "*", the phone sends "user=phone" in the invite message.
Security	VOIP-109244	4.0.9	Denial of service vulnerabilities in OpenSSL are fixed.
Security	VOIP-109284	5.4.1	RC4 encryption ciphers are not supported on TCP port 443.
Security	VOIP-111442	4.0.10	Cipher support for the web server is configurable.
User Interface	VOIP-101549	4.0.8	For SoundStationS IP 7000, the Automatic Gain Control or Noise Suppression sub menus under the administration menu are removed.

Category	Issue No.	Found in Release	Description
User Interface	VOIP-101667	4.0.9	Phones configured to use the custom cipher suite display the cipher list correctly.
User Interface	VOIP-108496	4.0.9	VVX 1500 phone displays the callee name in the Called List when the callee does not answer the call.
User Interface	VOIP-109005	4.0.8	When the **Silence** softkey is enabled, phone displays this softkey when the phone is ringing. Pressing this key silences the ringing phone. Note: The **Silence** Softkey is applicable only for SoundPoint models IP 650, IP670,IP 450, VVX 500, VVX 1500 and SoundStationS IP 7000.
User Interface	VOIP-109418	4.0.9	Phone does not display "Unknown" for incoming call ID unless the calling party address is null. For all other cases, phone displays the destination address for incoming call ID.
User Interface	VOIP-111325	5.4.0	Enable ease of install by customizing Quick Setup to show only username and password fields.

Updates to UC Software 4.0.9

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.9 beside their respective Polycom tracking identification numbers.

Resolved Issues

The following issues have been resolved for the UC Software 4.0.9 release.

UC Software 4.0.9 Resolved Issues

Category	Issue No.	Found in Release	Description
Audio	VOIP-92804	4.0.5	To resolve a problem that caused audio issues on the SoundStation Duo, support has been discontinued for using the Spectralink proprietary G.726QI codec for PTT/Paging. Users should use G.711-mu or G.722 for PTT/Paging instead.
Calling	VOIP-97987	4.0.5	The default value of the parameter up.simplifiedSipCallInfo is now correctly set to '1'.
Calling	VOIP-101500	4.0.8	A problem has been resolved that caused the phone to send DTMF characters "*" and "#" incorrectly.
Contact Directory	VOIP-101462	4.0.6	A problem was resolved that prevented a VVX 1500 from saving directory entries locally when it is registered to a RealPresence Resource Manager.

Category	Issue No.	Found in Release	Description
General	VOIP-100999	4.0.8	Several unused configuration parameters were removed from the cfgParamDef.xml file
General	VOIP-100887	4.0.8	New parameter `device.net.lldpCapabilitiesRequired.set` has been added for use when the LLDP packet with System Capabilities should be set to 0x0000.
General	VOIP-100310	4.0.8	New parameter `ptt.pageMode.group.x.allowReceive` was added to allow the phone to send a page to an unsubscribed group.
General	VOIP-97556	4.0.7	An issue was resolved that caused the SoundStation IP 7000 system to send incorrect information about the software version running on the system. The correct information can be viewed on Polycom RealPresence Group Series systems running software versions 5.x and higher.
General	VOUP-97556	4.0.7	A problem with handling the MWI NOTIFY message has been resolved.
User Interface	VOIP-98141	4.0.8	When you do a quick search in the Genband GAB, the Submit softkey does not display correctly.
User Interface	VOIP-100146	4.0.8	A problem was resolved that caused SoundPoint systems to display softkeys incorrectly when the flexible line key feature is enabled.
VOIPUser Interface	VOIP-98086	4.0.8	When you edit a directory entry and save changes, the Save softkey now clears the screen correctly.

Configuration File Enhancements

The following table includes configuration file enhancements for this release.

UC Software 4.0.9 Configuration File Enhancements

Parameter	Permitted Values	Default
ptt.channel.x.allowReceive	**0 to 1**	**1**
If 0, disables receiving PTT calls on the specified channel. If 1, allows receiving PTT calls on the specified channel.		
device.net.lldpCapabilitiesRequired.set	**0 to 1**	**0**
If 0, the phone ignores LLDP packets with System Capabilities as 0x0000. If 1,the phone uses LLDP packets with System Capabilities as 0x0000.		

Parameter	Permitted Values	Default
ptt.pageMode.group.x.allowReceive	**0 to 1**	**1**

If 0, disables receiving page calls on the specified group. If 1, allows receiving page calls on the specified group.

Updates to UC Software 4.0.8

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.8 beside their respective Polycom tracking identification numbers.

New or Enhanced Features

The version 4.0.8 software version includes the features and functionality of 4.0.7, with the following additions.

- You can now configure Exchange Calendar alert tones on Polycom VVX phones. (VOIP-96381)

  Administrators can customize Exchange Calendar alert tones using configuration files only. The parameter exchange.meeting.reminderType is an existing parameter that has been updated for the new customization functionality. (Related to VOIP-96381)

- You can now configure the Message Waiting Indicator (MWI) alert tone. (VOIP-94741)

  Administrators can customize MWI tones using configuration files only. The parameter `mwi.reminder.enable` is a new parameter that has been added.

- You can now configure whether applications can use the SSLv3 or SSLv2 protocols. (VOIP-97280)

  Administrators can customize use of these protocols using the parameter `device.sec.TLS.SSLv2v3.enabled`, a new parameter added with this release.

Configuration File Enhancements

Refer to the following table for a list of all enhancements made to UC software 4.0.8 configuration file parameters.

Parameter	Permitted Values	Default
call.advancedMissedCalls.addToMissedList	**0 or 1**	**0**

If 1, remotely handled calls are logged as missed calls.
- The parameter `call.advancedMissedCalls.enabled` must also be set to 1.
- The parameter `call.advancedMissedCalls.addToRecievedList` is ignored.

If 0, remotely handled calls are not logged as missed calls.

| **call.doNotPlayLocalOnProvResponseSdp** | **0 or 1** | **0** |

If 1, the local ringback tone does not play after 183 with SDP.
If 0, the local ringback tone plays immediately after 183 with or without SDP.

Parameter	Permitted Values	Default
device.sec.TLS.SSLv2v3.enabled	**0 or 1**	**0**
If 1, applications can use SSLv3 (or SSLv2) protocol. • Note that some applications disable both SSLv2 and SSLv3, regardless of this setting. If 0, applications cannot use SSLv3 (or SSLv2) protocol.		
exchange.meeting.reminderType	**0 - 2**	**2**
If 2, all calendar reminders are audible and visual. If 1, the first reminder is audible, followed by silent visual reminders If 0, all reminders are silent visual reminders		
mwi.reminder.enable	**0 or 1**	**0**
If 1, a Message Waiting Indicator (MWI) tone plays each time the phone receives an MWI update. If 0, no MWI tone is played.		
tcpIpApp.keepalive.tcp.sip.persistentConnection.enable	**0 or 1**	**0**
If 0, the TCP Socket connection is closed after 1 minute. When the phone sends a new SIP message, a new connection is opened. If 1, the TCP Socket connection remains open indefinitely.		
voIpProt.offerFullCodecListUponResume	**0 or 1**	**1**
If 1, the phone offers the full codec list in the resume offer. If 0, the phone does not send the full codec list in the resume offer.		

Documentation Corrections

This section includes updates to correct errors inadvertently included in the *UC Software Administrator Guide 4.0.5*. You can find this guide at support.polycom.com.

Omitted Parameter

The following parameter was omitted from the previous version of the *UC Software Administrator Guide*.

Parameter	Permitted Value	Default	Description
tcpIpApp.sntp.retryDnsPeriod	60 – 2147483647 seconds	86400	Sets a retry period for DNS queries. Note that the DNS retry period you configure is affected by other DNS queries made by the phone. If the phone makes a query for another service such as SIP registration during the configured retry period but receives no response, the Network Time Protocol (NTP) DNS query is omitted to limit the overall number of retry attempts made to the unresponsive server. If no other DNS attempts are made by other services, then the retry period you configure is not affected. If at any time the DNS server becomes responsive to another service, then NTP also immediately retries its DNS query as well.

Incorrect Default Values Listed for <device/> Parameters

The default values of the <device/> parameters vary according to the region to which the phone is shipped. The *UC Software Administrator Guide 4.0.5* incorrectly lists the default values for the <device/> parameters as "null". Instead, the document should not list default values for the <device/> parameters. (VOIP-95919, VESC-4789)

Updates to UC Software 4.0.7

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.7 beside their respective Polycom tracking identification number.

New or Enhanced Features

There are no new or enhanced features for this release.

Configuration File Enhancements

Refer to the following table for a list of all enhancements made to UC software 4.0.7 configuration file parameters.

Parameter	Permitted Value	Default	Description
tcpIpApp.sntp.retryDnsPeriod	60 – 86400 seconds	60	Set a retry period for DNS queries. Note that the DNS retry period you configure is affected by other DNS queries made by the phone. If the phone makes a query for another service such as SIP registration during the retry period you configure and receives no response, the Network Time Protocol (NTP) DNS query is omitted to limit the overall number of retry attempts made to the unresponsive server. If no other DNS attempts are made by other services, then the retry period you configure is not affected. If at any time the DNS server becomes responsive to another service, then NTP also immediately retries its DNS query as well.

Updates to UC Software 4.0.6

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.6 beside their respective Polycom tracking identification number.

New or Enhanced Features

87581/91102   Added support for the improved touchscreen driver (*applies to VVX 500*).

Configuration File Enhancements

There are no changes to the configuration file parameters.

Updates to UC Software 4.0.5

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.5 beside their respective Polycom tracking identification number.

New or Enhanced Features

83102   Added support for Multiple Appearance Directory Number-Single Call Appearance (MADN-SCA) for Shared Line Appearance Scenarios.

87263/72669   Added support for Global Address Book (GAB).

87264   Added support for Personal Address Book (PAB).

87029/88933   The Message Waiting Indicator (MWI) LED light no longer blinks when the phone is in power-saving mode and has not received any new messages.

Configuration File Enhancements

Refer to the following table for a list of all enhancements made to UC software 4.0.5 configuration file parameters.

Software Version 4.0.5 – Configuration File Parameter Enhancements

Parameter	Permitted Value	Default	Description
Feature.corporateDirectory.alt.enabled	0 or 1	0	Enables the GAB functionality.
Sec.TLS.SOPI.strictCertCommonNameValidation	0 or 1	1	Determines certification validation. When set to 0, there is no certification validation needed and any certification is accepted and trusted.
reg.x.bargeInEnabled	Maximum line number registered	0	Determines whether a user can barge in on an active call.
sec.TLS.SOPI.cipherList	String (max of 1024 characters)	NoCipher	Defines the cipher list for SOPI transactions.
dir.local.serverFeatureControl.method	GENBANDSOPI	<Blank>	Sets GENBANDSOPI to synchronize to the server. If this is not set, no synchronization is done and the standard contact directory is used.
dir.loca genband genbandl.serverFeatureControl.reg	1 to Maximum line number registered	1	Determines the line that is used to obtain PAB information. Does not change how numbers are dialed. Does not require a reboot –automatically updates at runtime
msg.mwi.x.led	0 or 1	1	Enables and disables the LED Message Waiting Indicator on receiving a new message
mwi.backLight.disable	0 or 1	0	If set to 1, disables backlight on new voice message arrival.
reg.1.server.1.specialInterop	GENBAND	standard	Required to enable MADN-SCA on GENBAND.
sec.TLS.profileSelection.SOPI	PlatformProfile1, PlatformProfile2 ApplicationProfile1 to ApplicationProfile7	PlatformProfile1	Defines the certificates to be used for SOPI authentication.

Note: Also refer to configuration parameter changes in UC software 4.0.4, 4.0.3 Rev F, 4.0.2 Rev B and 4.0.2.

Updates to UC Software 4.0.4

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.4 beside their respective Polycom tracking identification number.

New or Enhanced Features

35157 Added ability to dial '+' character by pressing '*' twice for international dialing.

51255 Added SDP negotiation of "a=rtcp-fb" for RTCP Feedback Messages to request I-Frames.

72440 Added support for MS 2008 Radius Server.

76188 Added ability to process DTMF entry during early media.

78976 Added support for early media followed by local ring back.

Configuration File Enhancements

Refer to the following table for a list of all enhancements made to the UC software 4.0.4 configuration file parameters.

Software Version 4.0.4 – Configuration File Parameter Enhancements

File	Modification	Parameter	Default	Permitted Values
feature	Added	reg.X.teluri	0	0 or 1
feature	Added	voIpProt.SIP.supportFor100rel	1	0 or 1
feature	Added	video.dynamicControlMethod	0	0 or 1
feature	Added	video.forceRtcpVideoCodecControl	0	0 or 1
feature	Added	voIpProt.SIP.useLocalTargetUri ForLegacyPickup	0	0 or 1
feature	Added	reg.1.useLocalTargetUriFor LegacyPickup	0	0 or 1
feature	Added	voIpProt.SIP.fmtpMustForG7221	0	0 or 1
feature	Added	voIpProt.SDP.offer.rtcpVideoCodec Control	0	0 or 1
feature	Added	tcpIpApp.sntp.Aquery	0	0 or 1
feature	Added	lcl.datetime.date.dateTop	1*	0 or 1
feature	Added	lcl.ml.lang.clock.X.dateTop	1*	0 or 1
feature	Added	pstn.fxsType	CO	0 to 256

File	Modification	Parameter	Default	Permitted Values
feature	Added	dialplan.digitmap.timeOut	3|3|3|3|3|3	0 to 768

Note: Also refer to configuration parameter changes in UC software 4.0.3 Rev F, 4.0.2 Rev B and 4.0.2.

*This value is '0' by default for the VVX 500.

Updates to UC Software 4.0.3 Rev B

This section lists additions, changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.3 Rev B beside their respective Polycom tracking identification number.

Note: UC software 4.0.3. Rev B for AT&T only

Polycom is releasing UC software 4.0.3. Rev B for AT&T only. Please refer to Updates to Previous Software Releases for all available software features and updates..

New or Enhanced Features

There are no new changes or enhanced features from previous software versions.

Updates to UC Software 4.0.3 Rev F

This section lists all changes, additions, removals, enhancements, and configuration file parameter changes to UC software 4.0.3 Rev F beside their respective Polycom tracking identification number.

Note: Upgrade to UC software 4.0.3. Rev F

If you are currently using UC software 4.0.3 (build ID 4.0.3.7314), upgrade to UC software 4.0.3 Rev F (build ID 4.0.3.7562).

New or Enhanced Features

There are no new or enhanced features from previous software versions.

Configuration File Enhancements

There are no changes to the configuration file parameters.

Updates to UC Software 4.0.3

This section lists all changes, additions, removals, enhancements, and configuration file parameter changes to UC software 4.0.3 beside their respective Polycom tracking identification number.

Note: UC software 4.0.3. is a limited release

UC software 4.0.3 is a limited release that was distributed only to select partners and customers. The build ID for this release was 4.0.3.7314.

New or Enhanced Features

78271   Added support for tel URI in the P-Preferred-Identity header of INVITE messages.

79601/79006/79007   Added support to allow only RFC3264 type SDP media negotiation.

Configuration File Enhancements

Refer to the following table for a list of all enhancements made to the UC software 4.0.3 configuration file parameters.

Software Version 4.0.3 – Configuration File Parameter Enhancements

File	Modification	Parameter	Modification Description
feature	Added	voIpProt.SIP.useRFC3264HoldOnly	1 Phone always uses RFC3264 during hold 0 Phone uses RF3264 or RFC2543 during hold based on the response from far end (default)

Note: Also refer to configuration parameter changes in UC software 4.0.2 Rev B and 4.0.2.

Updates to UC Software 4.0.2 Rev B

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to the UC Software 4.0.2 Rev B beside their respective Polycom tracking identification number.

New or Enhanced Features

72403   Added support for DHCP renews after loss and recovery of Wi-Fi LAN connection (*applies to SpectraLink 8400*).

76730   Enhanced the digitmap by removing the prepending '+' to the outbound calls and giving the option of configuring the "+" in the dial plan (applies to Lync mode only). Note: For more information on digitmap, refer to the Microsoft Lync Interoperability section.

77038   Added support for early media followed by local ring back.

Configuration File Enhancements

Refer to the following table for a list of all enhancements made to the UC Software 4.0.2 Rev B configuration file parameters.

Software Version 4.0.2 Rev B – Configuration File Parameter Enhancements

File	Modification	Parameter	Modification Description
Wireless	Added	`device.dhcp.releaseOnLink Recovery`	1 Phone performs a DHCP release on network link recovery (default) 0 Phone does NOT perform a DHCP release on network link

Note: Also refer to configuration parameter changes in UC software 4.0.2.

Updates to UC Software 4.0.2

Polycom distributed UC software 4.0.2 to select partners and customers. It was shipped with SoundStation Duo. The build-ID for this release was UC software 4.0.2.8017.

New or Enhanced Features

40451/75448   Added support for XT9 PinYin input for Chinese characters (*applies to VVX 1500*).

52485/66494   Added support for BroadSoft Hoteling Event Package.

57167/66494/76023   Added support for BroadSoft Call Center Status Event Package.

54576   Added support for the new SpectraLink 8452 Wi-Fi handset with 2D barcode reader.

Configuration File Enhancements

Refer to the following table for a list of new parameters. Note that these configuration parameters are detailed in *Using Premium Automatic Call Distribution for Call Centers (FP 76179)*, which will be made available on Polycom Profiled UC Software Features.

Software Version 4.0.2 – Configuration File Parameter Enhancements

File	Modification	Parameter	Modification Description
feature	Added	`feature.callCenterStatus.enabled`	Call feature parameter
feature	Added	`feature.hoteling.enabled`	Call feature parameter
feature	Added	`hoteling.reg`	Call feature parameters
wireless	Added	`barcode.X.Y`	Parameters used to configure the 2D barcode scanner*

*For a detailed description of new parameters specific to the SpectraLink 8400 product family, their properties and values, refer to the Polycom SpectraLink 8400 Series Wireless Telephone Deployment Guide.

Understanding Updates to UC Software 4.0.1B

There are no functional differences between Polycom UC software 4.0.1B and Polycom UC software 4.0.1. Polycom UC software 4.0.1B was released to include the VVX 500 and SoundStructure VoIP Interface sip.ld files in the software release package.

Updates to UC Software 4.0.1

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.1 beside their respective Polycom tracking identification number.

New or Enhanced Features

48734   In a server-based, centralized conference, the phone can now send parallel REFERs without waiting for a 202 Accepted.

67081/70634   Added support for phones to interoperate with a limited set of Microsoft® Lync™ server features (*applies to SoundPoint IP 321, 331, 335, 450, 550, 560, 650, 670; VVX 500 and 1500; SoundStation IP 5000; SoundStation Duo; and SpectraLink 84xx*).

67090   Syslog now includes the ability to identify multiple audio streams (*applies to SpectraLink 84xx*).

67594   Added interoperability between the Message Waiting Indicator (MWI) and Microsoft Lync.

68500   The SpectraLink 84xx handsets now display the X-Loader version information in the Phone menu (Menu > Settings > Status > Platform > Phone).

68602   Added support for SSRTP.

68798   Added support for Microsoft SRTP extensions.

69962/70924   Added Microsoft OCS/Lync Presence functionality to phones (*applies to SoundPoint IP 321, 331, 335, 450, 550, 560, 650, 670; VVX 500 and 1500; SoundStation IP 5000; SoundStation Duo; and SpectraLink 84xx*).

70122   Phones now display the Away presence status after a period of user inactivity specified by the following parameters: `pres.idleTimeout.offHours.period`, `pres.idleTimeout.officeHours.period`, `pres.idleTimeout.offHours.enabled`, and `pres.idleTimeout.officeHours.enabled`.

70232   Added a parameter `call.transfer.blindPreferred` to control whether the Transfer soft key on the SpectraLink 84xx should be a consultative transfer or blind transfer.

70614   Added support for Microsoft 2008 Radius (802.1X).

71025   Added new per-registration configuration options for several SRTP parameters: `reg.x.srtp.enable, reg.x.srtp.offer, reg.x.srtp.require`.

71183   Added missing barcode symbologies (*applies to SpectraLink 84xx*).

71198   Added an option in the Web Configuration Utility for SIP and Provisioning TLS applications to make the Common Name of Subject test configurable.

71424   Updated the presence icon on the phones to be consistent with the Microsoft Lync/OCS style (*applies to SpectraLink 84xx*).

71439   Not including the parameter `oai.userID` in the configuration file or setting the value to NULL both result in the phone using its MAC address to check in into the OAI server (*applies to SpectraLink 84xx*).

71660   Enhanced the Reset to Default option in the Updater to match the option in the application software.

71774   The call forward status on the status bar now displays when Forward – No Answer or Forward – Busy is enabled (*applies to SpectraLink 84xx*).

71997   Added full support for RFC2782 (DNS load balancing).

72074   In the Web Configuration Utility, the Country Code field has been renamed to Regulatory Domain (*applies to SpectraLink 84xx*).

72193   In the phone menu, the Country Code field has been renamed to Regulatory Domain (*applies to SpectraLink 84xx*).

72279   Enabled an EFK to allow a user to invoke the Call Back feature while on hook (*applies to VVX 1500*).

72304   The default value for the configuration parameter `up.useDirectoryNames` is now 1 (enabled).

72310/74129   The SpectraLink series handsets can now display the BootL1 version information in Phone menu (Menu > Status > Platform > Phone).

72319   The phone displays a warning icon when the WLAN Network Manager detects an invalid Regulatory Domain request (*applies to SpectraLink 84xx*).

72320   The phone displays a warning triangle when the WLAN Network Manager detects an invalid Regulatory Domain limit setting (*applies to SpectraLink 84xx*).

72367   The phone automatically publishes an Inactive (Idle) presence status after 5 minutes of user inactivity.

72554   Added the ability to configure the `pres.idleTimeout` parameters through the phone menus.

72555   Added the ability to configure the `pres.idleTimeout` parameters through the Web Configuration Utility.

72654   The Exchange Calendaring feature on the SpectraLink handsets has been improved with the following enhancements:

- The Calendar icon is shown in the main menu once the calendar is authorized.
- The phone displays a Calendar: synchronizing scrolling message in the status bar.

72791   The microbrowser on the SoundPoint phones has been functionally improved with the following enhancements:

- The audio tag element will inject a Play soft key when in focus.
- The user can now specify additional attributes to the audio tag which will be interpreted as a soft key, thus allowing the user to do things such as a Details soft key.

- The audio tag will have a descriptive label which will be used as the button label for the audio element in the page. This enables each audio tag to be rendered as a single element in the page with an icon and a descriptive text. The user no longer needs to switch to the text to see the details.

  - The descriptive label will also be used for the title of the playback screen.

72823 In the media player, the Exit soft key has been renamed to Back.

72824 Playback automatically starts when selecting an audio element from the browser.

73420 When the phone language is set to Japanese, the phone now uses the English AM/PM string for the time/date display (*applies to all SoundPoint IP, all SoundStation IP, and SoundStation Duo*).

73500 The 'Connect/disconnect from the server' option has been moved to the Calendar menu (Features > Calendar) in the SpectraLink 84xx handsets.

73510 The Web Configuration Utility language now supports multiple default language labels and help text in English, with the option to add/access other languages.

73669 Updated the 2048-bit Trusted CA Root Certificate List from VeriSign.

73670 Added new VeriSign Intermediate CA certificates.

73671 Added RSA 2048 V3 Root Certificate to Root Store to all phones.

73805 The phone can now display up to 4 Chinese characters in the soft keys (*applies to SoundPoint IP 450*).

73907/74289 Added the ability to automatically upgrade the BootL1 and BootBlock (*applies to SpectraLink 84xx*).

74247 In the Web Configuration Utility, the default available utility languages depend on the platform.

74417 The Updater (BootROM) now supports Basic Authentication with HTTP/HTTPS.

75308 Added the ability to upload encrypted call lists to the provisioning server (*applies to SpectraLink 84xx*).

75469 The volume of PTT audio has been increased and setting the parameter `voice.handsfree.rxag.SL8440=10`, then updating the phone using Update Configuration does not cause the phone to restart (*applies to SpectraLink 84xx*).

Configuration File Enhancements

Refer to Software Version 4.0.1 – Configuration File Parameter Enhancements table for a list of enhancements made to the UC software 4.0.1 configuration file parameters.

Web Info: Parameters Changed in UC Software 4.0.1

The following table includes parameters modified in UC software 4.0.1. You can find detailed descriptions of the parameters and their values in the Polycom UC Software 4.0.1 Administrators' Guide.

Software Version 4.0.1 – Configuration File Parameter Enhancements

File	Modification	Parameter	Modification Description
sip-interop	Added	call.transfer.blindPreferred	Call feature parameter
debug	Added	feature.lyncDebug	Call feature parameter
site	Added	reg.x.srtp.enable reg.x.srtp.offer reg.x.srtp.require	Call feature parameters
wireless	Added	np.custom1.ringing.toneVolume.usbHeadset	Notification profiles parameter
wireless	Added	np.meeting.ringing.toneVolume.usbHeadset	Notification profiles parameter
wireless	Added	np.normal.ringing.toneVolume.usbHeadset	Notification profiles parameter
wireless	Added	np.silent.ringing.toneVolume.usbHeadset	Notification profiles parameter
site	Added	sec.encryption.upload.callLists	Security parameter
sip-interop	Added	sec.srtp.mki.length	Security parameter
sip-interop	Added	sec.srtp.padRtpToFourByteAlignment	Security parameter
reg-advanced, site	Added	up.headset.phoneVolumeControl	User preferences parameter
debug	Added	up.headset.AlwaysUseIntrinsicRinger	User preferences parameter
reg-advanced, site	Added	up.idleStateView	User preferences parameter
video	Added	video.iFrame.delay	Video parameter
debug	Added	video.iFrame.period	Video parameter
techsupport	Added	voice.usb.headset.rxdg	Audio parameter
techsupport	Added	voice.usb.headset.txdg	Audio parameter
site	Added	voice.volume.persist.usbHeadset	Audio parameter
sip-interop	Added	voIpProt.SIP.conference.parallelRefer	Call feature parameter

File	Modification	Parameter	Modification Description
site	Added	webutility.language.plcm ServerUrl	Web Configuration Utility parameter
techsupport	Removed	voice.gain.rx.digital.headset.IP_330	Audio parameter
techsupport	Removed	voice.gain.rx.digital.headset.IP_335	Audio parameter
site	Changed	dns.cache.NAPTR.x.ttl dns.cache.SRV.x.ttl dns.cache.A.x.ttl	The maximum value increased from 65535 to 2147483647.
reg-advanced, site	Changed	up.useDirectoryNames	The default value changed from 0 (disabled) to 1 (enabled).
pstn	Changed	up.operMode	The default value changed from 0 to auto.
techsupport	Changed	voice.headset.rxag.adjust. IP_335	The default value changed from -11 to 4 and the maximum value changed from -11 to 90.
techsupport	Changed	voice.headset.rxag.adjust. IP_330	The default value changed from -5 to 4 and the maximum value changed from -5 back to 90.
sip-interop	Changed	VoIpProt.SIP.failoverOn503 Response	The default value changed from 1 (enabled) to 0 (disabled).

Updates to UC Software 4.0.0

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to UC software 4.0.0 beside their respective Polycom tracking identification number.

New or Enhanced Features

26549   Enhanced the local missed call feature for shared line appearances. This feature supports RFC 3326 Reason Header.

28514   Enhanced the method of selecting a ring type on the menu screen.

29056   Enhanced the method of notifying the user of unregistered lines.

30251   Added support for non-volatile call lists (*applies to SpectraLink 84xx).*

30887   Added support for 802.1X authentication. Authentication methods include MD-5, EAP-PEAP, EAP-FAST, EAP-TLS, and EAP-TTLS.

32169   The user is now notified with a confirmation when deleting contact information.

33546   Added a host name field to the DHCP registration.

35170   Added support for User Profiles. Users may log into and out of the phone using a server-independent, configuration file-based, authentication method. When successfully authenticated, the user's personal configuration files are applied as well as the user's personal local contact directory and call lists.

35171   Updated most configuration parameters to be updated without the need of a reboot. Only a select number of configuration parameters require a reboot in order to be invoked.

36166   Added the option for the user to allow ringer volume levels to persist after the phone reboots.

38201   The Web-based configuration utility no longer requires the user to submit changes along with a reboot after each page has been modified.

41429   Added the ability in the microbrowser to manage allowable characters into the input field.

41430   Added the ability in the microbrowser for the user to select an item from a list using the dial pad.

44258   Enhanced the API by enhancing the HTTP Push capability by supporting mutual TLS.

44699   Added a Reset to Factory capability.

45777   Added user accessible diagnostic functions ping and traceroute.

47730   The scrolling status bar has been enhanced. The time between scrolled lines has been increased (*applies to SoundPoint IP 3xx).*

47766   The Trusted CA Pool Management capability has been enhanced. The number of supported customer certificates has been increased to six.

48714   Added ability for the phone to mute the microphone when auto-answering a call.

48750   The Web-based configuration utility now enables the user to configure outbound proxies on a per line basis.

48757 Contacts added to the list are now highlighted and displayed without the need to scroll up or down to view the addition.

50258 Enhanced the method of notifying the user of error and warning indications.

51101 Added the ability to use an Emergency Location Identification Number (ELIN) from LLDP-MED to add a P-Asserted-Identity when using emergency routing:
`dialplan.routing.emergency.preferredSource=[ELIN|Config]` (default ELIN)
`dialplan.routing.emergency.outboundIdentity=xxxxxxxx` (default null)
`dialplan.routing.emergency.outboundIdentity.lldp=xxxxxxxx` (default null).

51471 Added a configuration option to disable the test of subject's CommonName against the registration address (associated with CA management).

52844 Added certificate validation for 802.1X.

53128 Added a configuration option to modify the Backlight timeout duration.

53360 Added the ability to display the phone's current ARP table in the diagnostic menu (*applies to SpectraLink 84xx).*

53908 The web-based configuration utility now offers the ability to configure soft keys and line keys.

54301 The timestamp is now displayed alongside the caller in the Call Lists.

54648 Added HTTPS support in the Updater that was previously called BootROM.

54680 Introduced the ability to import and export local and global configuration files using a PC browser.

54683 The browser-based SW Upgrade button that enables user to upgrade phones with one of multiple compatible software versions is available on the Polycom provisioning server.

54730 Noticeable enhancement from the time the phone is powered up and when it is ready for use.

56150 Added Data Link Layer L2 Discovery between phones and PC.

56187 Added ToID and FromID in SIP Publish packets for VQMon reports.

56274 Added multicast group paging based on the SpectraLink PTT solution.

56942 Configuring Soft key (EFK) settings no longer require a reboot in order to take effect.

57392 Added support to the microbrowser for HTTP proxy authentication (*applies to SpectraLink 84xx).*

57981 Added support for custom device certificates.

58007 Added the ability to revoke certificates used in SSL transactions by using OCSP.

58336 Added SHOULD SDP answer behavior as per RFC 3264.

58507 Enhanced the Web-based configuration and provisioning utility.

60297 Added the ability of random distribution of polling to check for software upgrades.

60907 Added the ability to disable Call Waiting while still allowing further outgoing calls.

61051 Added the ability to display custom soft keys on input forms in the microbrowser.

61138 Added support for incoming TLS connections on the Web server.

61343 Added the ability to disable authentication verification for received SRTP packets.

62671 Added a time-stamped log event indicating when the phone is ready to be used.

63592   Added API calls to the microbrowser for Media Player.

63629   Added Sennheiser EHS configuration menus and options.

64144   The alerting LED and associated line-key animation for second and subsequent incoming calls are now disabled when the Call Waiting feature waiting is disabled.

64243   The API Data push message size limit has been increased to 2048 bytes from 1024 bytes.

64359   Converted the BLA dialog rendering from *No* to *Yes* for user agents that are a remote party to the existing call dialog.

65287   Added the ability to prevent a phone from being provisioned at start-up.

Configuration parameter `prov.startupCheck.enabled` [default = 1 (enabled)]

66212   Added support for setting the syslog server address from DHCP.

66323   Added an administrator operations menu in the Updater to the setup menu: Reboot, Reset Settings, Format File System, and Install BootBlock.

66604   The phone reports connectivity event notifications to an 802.1x enabled switch port when a non-authenticated PC disconnects or reconnects to the phone.

67600   Password and other security entry fields now perform a brief echo of entered characters before being obscured from view.

68110   Added control of available telephony features on the Office Communications Server (OCS) using the `reg.x.telephony` configuration parameter.

68899   Added the ability on the microbrowser to enter two-digit dial pad values for selecting entries in a list.

69225   Added the ability to allow a hard key to be directly assigned an Enhanced Feature Key (EFK) style macro.

69442   Productivity features such as LDAP, Local Call Recording, and Visual Conference Management are enabled without the requirement of a license file. Note that VQMon will remain a licensable feature.

71633   The Reset setting in the Updater menu does not erase the CA and Device Certificates.

Configuration File Enhancements

Certain groups of configuration parameters have been modified in UC software 4.0.0. In these cases, instead of listing every parameter, the following table will specify a group of related parameters with an abbreviated XML path name ending with (.*).

For example, suppose the following parameters are modified: `device.wifi.enabled`, `device.wifi.ipAddress`, and `device.wifi.ssid`. Since these parameters all begin with `device.wifi`, Software Version 4.0.0 – Configuration File Parameter Enhancements table abbreviates these parameters as `device.wifi.*`

> Most device parameters have identical parameters ending with `.set`. The `.set` parameters are not included in the following table.

Note: `.set` Parameters Not Included in the Below Table

Most device parameters have identical parameters ending with `.set`. The `.set` parameters are not included in the following table..

Web Info: Parameters Changed in UC Software 4.0.0

The following table includes parameters changed in UC software 4.0.0. You can find the new descriptions and values in the Polycom UC Software Administrators Guide.

Software Version 4.0.0 – Configuration File Parameter Enhancements

Modification	Configuration Parameter	Description
Discontinued	`apps.x.Label`	Productivity Applications parameter
Discontinued	`apps.x.Url`	Productivity Applications parameter
Discontinued	`apps.ucdesktop.IP`	Productivity Applications parameter
Discontinued	`apps.ucdesktop.name`	Productivity Applications parameter
Discontinued	`apps.ucdesktop.port`	Productivity Applications parameter
Discontinued	`device.auth.*` The parameters `device.auth.localAdminPassword` and `device.auth.localUserPassword` have not been removed	Provisioning parameters
Discontinued	`device.dhcp.offerTimeout`	Provisioning parameter
Discontinued	`device.prov.appProvString`	Provisioning parameter
Discontinued	`device.prof.appProvType`	Provisioning parameter
Discontinued	`device.sec.SSL.*`	Provisioning parameters
Discontinued	`device.sec.deviceCertEnabled`	Provisioning parameter
Discontinued	`exchange.server.address`	Productivity Applications parameter
Discontinued	`httpd.lp.port`	Provisioning parameter
Discontinued	`lcl.datetime.date.digitFormatEnable`	User preference parameter
Discontinued	`log.level.change.lp`	Log parameter
Discontinued	`log.level.change.nwmgr`	Log parameter
Discontinued	`log.level.change.sync`	Log parameter

Modification	Configuration Parameter	Description
Discontinued	`reg.x.filterReflectedBlaDialogs`	Call feature parameter
Discontinued	`reg.x.server.H323.y.register`	Call feature parameter
Discontinued	`sec.TLS.customDeviceCert.enable`	Security parameter
Discontinued	`sec.dot1x.eapollogoff.pcforcelanlinkreset`	Security parameter
Discontinued	`voIpProt.SDP.useLegacyPayloadType Negotiation`	Call feature parameter
Discontinued	`voIpProt.server.H323.x.register`	Call feature parameter
Discontinued	`voice.aec.hd.*` The parameter `voice.aec.hd.enable` has not been removed	Audio parameters
Discontinued	`voice.aec.hf.*` The parameter `voice.aec.hf.enable` has not been removed	Audio parameters
Discontinued	`voice.aec.hs.*` The parameter `voice.aec.hs.enable` has not been removed	Audio parameters
Discontinued	`voice.aes.hd.duplexBalance`	Audio parameter
Discontinued	`voice.aes.hf.*` The parameter `voice.aes.hf.enable` has not been removed	Audio parameters
Discontinued	`voice.aes.hs.duplexBalance`	Audio parameter
Discontinued	`voice.gain.rx.digital.ringer.*` The parameter `voice.gain.rx.digital.ringer` has also been removed	Audio parameters
Discontinued	`voice.handset.wideband`	Audio parameter
Discontinued	`voice.rxEq.hf.postFilter.*` The parameter `voice.rxEq.hf.postFilter.enable` has not been removed	Audio parameters
Discontinued	`voice.rxEq.hf.preFilter.*` The parameter `voice.rxEq.hf.preFilter.enable` has not been removed	Audio parameters
Discontinued	`voice.rxEq.hs.postFilter.*` The parameter `voice.rxEq.hs.postFilter.enable` has not been removed	Audio parameters

Modification	Configuration Parameter	Description
Discontinued	`voice.rxEq.hs.preFilter.*` The parameter `voice.rxEq.hs.preFilter.enable` has not been removed	Audio parameters
Added	`apps.x.label`	Productivity Applications parameter
Added	`apps.x.url`	Productivity Applications parameter
Added	`apps.push.secureTunnelEnabled`	Productivity Applications parameter
Added	`apps.push.secureTunnelPort`	Productivity Applications parameter
Added	`apps.push.secureTunnelRequired`	Productivity Applications parameter
Added	`apps.statePolling.responseMode`	Productivity Applications parameter
Added	`apps.telNotification.callStateChangeEvent`	Productivity Applications parameter
Added	`apps.telNotification.userLogInOutEvent`	Productivity Applications parameter
Added	`apps.ucdesktop.*` The parameter `apps.ucdesktop.enabled` has existed in previous versions	Productivity Applications parameters
Added	`bg.color.*`	Background parameter
Added	`bluetooth.radioOn`	Call feature parameter
Added	`call.advancedMissedCalls.*`	Call feature parameters
Added	`call.callWaiting.enable`	Call feature parameter
Added	`call.localConferenceEnabled`	Call feature parameter
Added	`callLists.*`	Call feature parameters
Added	`device.hostname`	Provisioning parameter
Added	`device.net.dhcpBootServer`	Provisioning parameter
Added	`device.net.dot1x.*`	Provisioning parameters
Added	`device.pacfile.*`	Provisioning parameters
Added	`device.prov.upgradeServer`	Provisioning parameter
Added	`device.sec.TLS.*`	Provisioning parameters
Added	`device.usbnet.*`	Provisioning parameters
Added	`device.wifi.*`	Provisioning parameter
Added	`dialplan.applyToPstnDialing`	Call feature parameter

Modification	Configuration Parameter	Description
Added	`dialplan.routing.emergency.outbound Identity`	Call feature parameter
Added	`dialplan.routing.emergency.outbound Identity.lldp`	Call feature parameter
Added	`dialplan.routing.ermgency.preferredSource`	Call feature parameter
Added	`exchange.meeting.*`	Productivity Applications parameter
Added	`exchange.server.url`	Productivity Applications parameter
Added	`feature.audioVideoToggle.enabled`	Call feature parameter
Added	`feature.bluetooth.enabled`	Call feature parameter
Added	`feature.enhancedCallDisplay.enabled`	Call feature parameter
Added	`feature.exchangeCalendar.enabled`	Call feature parameter
Added	`feature.nonVolatileRingerVolume.enabled`	Call feature parameter
Added	`httpd.cfg.secureTunnelEnabled`	Web Configuration Utility parameter
Added	`httpd.cfg.secureTunnelPort`	Web Configuration Utility parameter
Added	`httpd.cfg.secureTunnelRequired`	Web Configuration Utility parameter
Added	`httpd.ta.secureTunnelEnabled`	Web Configuration Utility parameter
Added	`httpd.ta.secureTunnelPort`	Web Configuration Utility parameter
Added	`httpd.ta.secureTunnelRequired`	Web Configuration Utility parameter
Added	`ind.pattern.blink.*`	LED indicator parameter
Added	`ind.pattern.flashSlow2.*`	LED indicator parameter
Added	`lcl.x.pstnCountry`	Multilingual parameter
Added	`lcl.aidt`	Multilingual parameter
Added	`lcl.callerId`	Multilingual parameter
Added	`lcl.callerIdType`	Multilingual parameter
Added	`lcl.country.*` The parameter `lcl.country` has also been added	Multilingual parameters
Added	`lcl.dtmfLevel`	Multilingual parameter
Added	`lcl.dtmfTwist`	Multilingual parameter
Added	`lcl.flashTiming`	Multilingual parameter
Added	`lcl.pstnCountryIndex`	Multilingual parameter

Modification	Configuration Parameter	Description
Added	`lineKey.*`	Flexible line key assignment parameters
Added	`log.level.change.barcd`	Log parameter
Added	`log.level.change.bluet`	Log parameter
Added	`log.level.change.clist`	Log parameter
Added	`log.level.change.daa`	Log parameter
Added	`log.level.change.dock`	Log parameter
Added	`log.level.change.drvbt`	Log parameter
Added	`log.level.change.oaip`	Log parameter
Added	`log.level.change.ocsp`	Log parameter
Added	`log.level.change.pdc`	Log parameter
Added	`log.level.change.pres`	Log parameter
Added	`log.level.change.pstn`	Log parameter
Added	`log.level.change.ptt`	Log parameter
Added	`log.level.change.rtls`	Log parameter
Added	`log.level.change.tls`	Log parameter
Added	`log.level.change.wifi`	Log parameter
Added	`log.render.stdout.*` The parameter `log.render.stdout` has existed in previous versions	Log parameter
Added	`mb.main.toolbar.autoHide.*` The parameter `mb.main.toolbar.autoHide.enabled` has existed in previous versions	Microbrowser parameters
Added	`messaging.*`	SpectraLink instant messaging parameters
Added	`np.*`	SpectraLink notification profiles parameters
Added	`oai.*`	SpectraLink Open Application Interface parameters
Added	`prov.login.*`	Distributed polling parameters
Added	`prov.loginCredPwdFlushed.enabled`	Distributed polling parameter
Added	`prov.polling.timeRandomEnd`	Distributed polling parameter

Modification	Configuration Parameter	Description
Added	prov.startupCheck.enabled	Provisioning parameter
Added	pstn.*	
Added	ptt.*	Paging and push-to-talk parameters
Added	qbc.*	SpectraLink quick barcode connector parameters
Added	qos.ethernet.* The parameters qos.ethernet.callControl.user_priority, qos.ethernet.other.user_priority, qos.ethernet.rtp.user_priority, and qos.ethernet.rtp.video.user_priority exist in previous versions	SpectraLink QoS parameters
Added	reg.x.auth.domain	Call feature parameter
Added	reg.x.auth.useLoginCredentials	Call feature parameter
Added	reg.x.gruu	Call feature parameter
Added	reg.x.server.y.specialInterop	Call feature parameter
Added	reg.x.server.y.useOutboundProxy	Call feature parameter
Added	reg.x.srtp.enable	Call feature parameter
Added	reg.x.srtp.offer	Call feature parameter
Added	reg.x.srtp.require	Call feature parameter
Added	reg.x.telephony	Call feature parameter
Added	se.pat.misc.customX.*	Sound effects parameters
Added	se.pat.misc.miscX.*	Sound effects parameters
Added	se.rt.answerMute.*	Sound effects parameters
Added	se.rt.autoAnswer.micMute	Sound effects parameter
Added	se.rt.autoAnswer.videoMute	Sound effects parameter
Added	se.rt.customX.micMute	Sound effects parameter
Added	se.rt.customX.videoMute	Sound effects parameter
Added	se.rt.default.micMute	Sound effects parameter
Added	se.rt.default.videoMute	Sound effects parameter
Added	se.rt.emergency.micMute	Sound effects parameter

Modification	Configuration Parameter	Description
Added	se.rt.emergency.videoMute	Sound effects parameter
Added	se.rt.external.micMute	Sound effects parameter
Added	se.rt.external.videoMute	Sound effects parameter
Added	se.rt.internal.micMute	Sound effects parameter
Added	se.rt.internal.videoMute	Sound effects parameter
Added	se.rt.precedence.micMute	Sound effects parameter
Added	se.rt.precedence.videoMute	Sound effects parameter
Added	se.rt.ringAnswerMute.*	Sound effects parameters
Added	se.rt.splash.micMute	Sound effects parameter
Added	se.rt.splash.videoMute	Sound effects parameter
Added	se.rt.visual.micMute	Sound effects parameter
Added	se.rt.visual.videoMute	Sound effects parameter
Added	sec.TLS.SIP.strictCertCommonNameValidation	Security parameter
Added	sec.TLS.customCaCert.*	Security parameters
Added	sec.TLS.customDeviceCert.*	Security parameters
Added	sec.TLS.customDeviceKey.*	Security parameters
Added	sec.TLS.profile.*	Security parameters
Added	sec.TLS.profileSelection.*	Security parameters
Added	sec.hostMoveDetect.*	Security parameters
Added	sec.srtp.holdWithNewKey	Security parameter
Added	sec.srtp.mki.length	Security parameter
Added	sec.srtp.resumeWithNewKey	Security parameter
Added	softkey.x.insert	Security parameter
Added	tcpIpApp.fileTransfer.waitForLinkIfDown	IP parameter
Added	tone.chord.misc.A3Major.*	Tone parameters
Added	tone.chord.misc.C3Major.*	Tone parameters
Added	tone.chord.misc.Db3Major.*	Tone parameters
Added	tone.chord.misc.E3Major.*	Tone parameters

Modification	Configuration Parameter	Description
Added	`tone.chord.misc.cs12.*`	Tone parameters
Added	`up.25mmRealTime`	User preferences parameter
Added	`up.backlight.timeout.*` The parameter `up.backlight.timeout` has also been added	User preferences parameters
Added	`up.cfgWarningsEnabled`	User preferences parameter
Added	`up.displayOperMode`	User preferences parameter
Added	`up.headsetOnlyAlerting`	User preferences parameter
Added	`up.hearingAidCompatibility.enabled`	User preferences parameter
Added	`up.hideDateTimeWhenNotSet`	User preferences parameter
Added	`up.multiKeyAnswerEnabled`	User preferences parameter
Added	`up.operMode`	User preferences parameter
Added	`up.pstnSetup`	User preferences parameter
Added	`up.warningLevel`	User preferences parameter
Added	`upgrade.*`	Provisioning parameter
Added	`video.callMode.default`	Video parameter
Added	`video.debug`	Video parameter
Added	`voIpProt.SIP.dialog.strictXLineId`	Call feature parameter
Added	`voIpProt.SIP.IM.autoAnswerDelay`	Call feature parameter
Added	`voIpProt.SIP.mtls.enable`	Call feature parameter
Added	`voIpProt.SIP.pingMethod`	Call feature parameter
Added	`voIpProt.server.x.specialInterop`	Call feature parameter
Added	`voIpProt.server.x.useOutboundProxy`	Call feature parameter
Added	`voice.aec.bt.hd.enable`	Audio parameter
Added	`voice.aec.usb.hf.enable`	Audio parameter
Added	`voice.aes.bt.hd.enable`	Audio parameter
Added	`voice.aes.usb.hf.enable`	Audio parameter
Added	`voice.agc.bt.hd.enable`	Audio parameter
Added	`voice.agc.usb.hf.enable`	Audio parameter

Modification	Configuration Parameter	Description
Added	`voice.bt.*`	Audio parameters
Added	`voice.handset.rxag`	Audio parameter
Added	`voice.handset.rxdg`	Audio parameter
Added	`voice.handset.st.`	Audio parameter
Added	`voice.handset.txag`	Audio parameter
Added	`voice.handset.txdg`	Audio parameter
Added	`voice.handsfree.*`	Audio parameters
Added	`voice.headset.rxag`	Audio parameter
Added	`voice.headset.rxdg`	Audio parameter
Added	`voice.headset.st`	Audio parameter
Added	`voice.headset.txag`	Audio parameter
Added	`voice.headset.txdg`	Audio parameter
Added	`voice.ns.bt.*`	Audio parameters
Added	`voice.ns.usb.*`	Audio parameters
Added	`voice.ringer.rxag`	Audio parameter
Added	`voice.rxEq.usb.*`	Audio parameters
Added	`voice.rxQos.ptt.*`	Audio parameters
Added	`voice.rxQos.wireless.*`	Audio parameters
Added	`voice.txEq.usb.*`	Audio parameters
Added	`voice.usb.*`	Audio parameters
Added	`voice.volume.persist.bluetooth.headset`	Audio parameter
Added	`voice.volume.persist.usb.handsfree`	Audio parameter
Added	`wifi.*`	Wifi parameters
Changed	`apps.push.messageType`	Productivity Applications parameter
Changed	`apps.uc.desktop.enabled`	Productivity Applications parameter
Changed	`call.autoRouting.preferredProtocol`	Call feature parameter
Changed	`device.auth.*`	Provisioning parameters
Changed	`device.cma.mode`	Provisioning parameter

Modification	Configuration Parameter	Description
Changed	`device.dhcp.*` The parameter `device.dhcp.bootSrvOpt` has not been changed	Provisioning parameters
Changed	`device.dns.*`	Provisioning parameters
Changed	`device.em.power`	Provisioning parameter
Changed	`device.line.*`	Provisioning parameters
Changed	`device.net.*` The parameters `device.net.dhcpBootServer`, `device.net.IPgateway`, `device.net.subnetMask`, and `device.net.vlanId` have not been changed	Provisioning parameters
Changed	`device.ntlm.versionMode`	Provisioning parameter
Changed	`device.prov.*` The parameters `device.prov.password`, `device.prov.serverName`, `device.prov.upgradeServer`, and `device.prov.user` have not been changed	Provisioning parameters
Changed	`device.serial.enable`	Provisioning parameter
Changed	`device.sntp.gmtOffset`	Provisioning parameter
Changed	`device.syslog.*` The parameter `device.syslog.serverName` has not been changed	Provisioning parameters
Changed	`dialplan.x.digitmap`	Call feature parameter
Changed	`dialplan.x.routing.server.y.transport`	Call feature parameter
Changed	`dialplan.digitmap`	Call feature parameter
Changed	`dialplan.digitmap.timeOut`	Call feature parameter
Changed	`dialplan.impossibleMatchHandling`	Call feature parameter
Changed	`dialplan.removeEndOfDial`	Call feature parameter
Changed	`dialplan.routing.server.x.transport`	Call feature parameter
Changed	`dir.H350.dev.attribute.x.type`	Directory parameter
Changed	`dir.H350.dev.transport`	Directory parameter
Changed	`dir.H350.group.attribute.x.type`	Directory parameter
Changed	`dir.H350.group.transport`	Directory parameter
Changed	`dir.H350.person.attribute.x.type`	Directory parameter

Modification	Configuration Parameter	Description
Changed	`dir.H350.person.transport`	Directory parameter
Changed	`dir.corp.attribute.x.type`	Directory parameter
Changed	`dir.corp.transport`	Directory parameter
Changed	`dir.local.nonVolatile.maxSize`	Directory parameter
Changed	`dir.local.volatile.maxSize`	Directory parameter
Changed	`divert.x.autoOnSpecificCaller`	Call feature parameter
Changed	`divert.x.contact`	Call feature parameter
Changed	`divert.x.sharedDisabled`	Call feature parameter
Changed	`divert.busy.*`	Call feature parameters
Changed	`divert.dnd.*`	Call feature parameters
Changed	`divert.fwd.x.enabled`	Call feature parameter
Changed	`divert.noanswer.*`	Call feature parameters
Changed	`ind.led.x.index`	LED indicator parameter
Changed	`keypadLock.*`	Phone lock parameters
Changed	`lcl.ml.lang.clock.x.format`	Multilingual parameter
Changed	`lcl.ml.lang.list`	Multilingual parameter
Changed	`lcl.ml.lang.menu.*`	Multilingual parameters
Changed	`lcl.ml.lang.tags.*`	Multilingual parameters
Changed	`log.level.change.slog`	Log parameter
Changed	`log.render.file.size`	Log parameter
Changed	`log.render.file.upload.append.limitMode`	Log parameter
Changed	`log.render.file.upload.period`	Log parameter
Changed	`log.render.stdout`	Log parameter
Changed	`log.sched.*`	Log parameters
Changed	`msg.bypassInstantMessage`	Voicemail parameter
Changed	`nat.*` The parameter `nat.keepalive.interval` has not been changed	IP parameters
Changed	`phoneLock.enabled`	Phone lock parameter

Modification	Configuration Parameter	Description
Changed	`pnet.remoteCall.dtmfDuration`	Peer networking parameter
Changed	`powerSaving.enable`	Power saving parameter
Changed	`prov.fileSystem.ffs0.minFreeSpace`	Provisioning parameter
Changed	`prov.polling.mode`	Distributed polling parameter
Changed	`prov.polling.time`	Distributed polling parameter
Changed	`qos.ethernet.*`	Quality of Service parameters
Changed	`qos.ip.callControl.*` The parameters `qop.ip.callControl.dscp.*` have not been changed	Quality of Service parameters
Changed	`qos.ip.rtp.*` The parameters `qos.ip.rtp.dscp.*` and `qos.ip.rtp.video.dscp.*` have not been changed	Quality of Service parameters
Changed	`reg.x.callsPerLineKey`	Line registration parameter
Changed	`reg.x.outboundProxy.transport`	Line registration parameter
Changed	`reg.x.ringType`	Line registration parameter
Changed	`reg.x.server.y.transport`	Line registration parameter
Changed	`res.finder.minFree`	Phone memory parameter
Changed	`res.finder.sizeLimit`	Phone memory parameter
Changed	`res.quotas.background`	Phone memory parameter
Changed	`res.quotas.bitmap`	Phone memory parameter
Changed	`res.quotas.cache`	Phone memory parameter
Changed	`res.quotas.font`	Phone memory parameter
Changed	`res.quotas.tone`	Phone memory parameter
Changed	`res.quotas.xmlui`	Phone memory parameter
Changed	`roaming_buddies.reg`	SpectraLink call feature parameter
Changed	`roaming_privacy.reg`	SpectraLink call feature parameter
Changed	`se.destination`	Sound effects parameter
Changed	`se.pat.callProg.msgWaiting.name`	Sound effects parameter
Changed	`se.pat.misc.instantMessage.name`	Sound effects parameter
Changed	`se.pat.misc.localHoldNotification.name`	Sound effects parameter

Modification	Configuration Parameter	Description
Changed	`se.pat.misc.messageWaiting.name`	Sound effects parameter
Changed	`se.pat.misc.negativeConfirm.name`	Sound effects parameter
Changed	`se.pat.misc.positiveConfirm.name`	Sound effects parameter
Changed	`se.pat.misc.remoteHoldNotification.name`	Sound effects parameter
Changed	`se.pat.misc.welcome.name`	Sound effects parameter
Changed	`sec.H235.*`	Sound effects parameters
Changed	`tcpIpApp.keepalive.*`	IP parameters
Changed	`tcpIpApp.port.*`	IP parameters
Changed	`up.25mm`	User preferences parameter
Changed	`up.analogHeadsetOption`	User preferences parameter
Changed	`up.backlight.idleIntensity`	User preferences parameter
Changed	`up.oneTouchVoiceMail`	User preferences parameter
Changed	`up.useDirectoryNames`	User preferences parameter
Changed	`up.welcomeSoundEnabled`	User preferences parameter
Changed	`up.welcomeSoundOnWarmBootEnabled`	User preferences parameter
Changed	`video.camera.frameRate`	Video parameter
Changed	`video.localCameraView.fullScreen.mode`	Video parameter
Changed	`video.maxCallRate`	Video parameter
Changed	`video.screenMode`	Video parameter
Changed	`video.screenModeFS`	Video parameter
Changed	`voIpProt.H323.dtmfViaSignaling`	Call feature parameter
Changed	`voIpProt.H323.enable`	Call feature parameter
Changed	`voIpProt.H323.local.port`	Call feature parameter
Changed	`voIpProt.SIP.local.port`	Call feature parameter
Changed	`voIpProt.SIP.outboundProxy.transport`	Call feature parameter
Changed	`voIpProt.SIP.specialEvent.lineSeize.nonStandard`	Call feature parameter
Changed	`voIpProt.server.x.transport`	Call feature parameter
Changed	`voIpProt.server.dhcp.option`	Call feature parameter

Modification	Configuration Parameter	Description
Changed	`voice.audioProfile.Lin16.16ksps.payloadSize`	Audio parameter
Changed	`voice.audioProfile.Lin16.32ksps.payloadSize`	Audio parameter
Changed	`voice.audioProfile.Lin16.44_1ksps.payloadSize`	Audio parameter
Changed	`voice.audioProfile.Lin16.48ksps.payloadSize`	Audio parameter
Changed	`voice.audioProfile.Lin16.8ksps.payloadSize`	Audio parameter
Changed	`voice.codecPref.iLBC.*`	Audio parameters
Changed	`voice.gain.rx.analog.*`	Audio parameters
Changed	`voice.gain.rx.digital.*`	Audio parameters
Changed	`voice.gain.tx.analog.*`	Audio parameters
Changed	`voice.gain.tx.digital.*`	Audio parameters
Changed	`voice.handset.rxag.adjust.*`	Audio parameters
Changed	`voice.handset.sidetone.adjust.*`	Audio parameters
Changed	`voice.handset.txag.adjust.*`	Audio parameters
Changed	`voice.headset.sidetone.adjust.*`	Audio parameters
Changed	`voice.headset.txag.adjust*`	Audio parameters
Changed	`voice.ns.hd.*` The parameter `voice.ns.hd.enable` has not been changed	Audio parameters
Changed	`voice.ns.hf.signalAttn`	Audio parameter
Changed	`voice.ns.hf.silenceAttn`	Audio parameter
Changed	`voice.ns.hs.signalAttn`	Audio parameter
Changed	`voice.ns.hs.silenceAttn`	Audio parameter

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