



RELEASE NOTES

Software 4.0.6 | March 2014 | 3725-11530-406 Rev A

## Polycom<sup>®</sup> UC Software 4.0.6 Release Notes

For SoundPoint<sup>®</sup> IP, SoundStation<sup>®</sup> IP, SoundStation Duo<sup>™</sup>, and VVX<sup>®</sup> Phones



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# General

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Polycom® Unified Communications (UC) software 4.0.6 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 4.0.6 supports SoundPoint® IP phones, SoundStation® IP phones, SoundStation Duo™ phones, and VVX® 500 and VVX® 1500 phones. For more details on configuring the phones and the software, refer to the [Polycom® UC Software 4.0.5 Administrators' Guide](#).



**Note: Polycom VVX Phone Models Not Supported**

Polycom UC software 4.0.6 does not support VVX 300/310, VVX 400/410, and VVX 600 business media phones. For details on platform support for these models, refer to the [UC Software/SIP Software Release Matrix](#).



**Note: Using Polycom Desktop Connector**

Polycom strongly recommends using the latest Polycom Desktop Connector (PDC) version 1.0.XXXX 18-APR-11 11:22, available to download from the [Polycom Desktop Connector](#) web site, with UC software 4.0.6.

The UC software 4.0.6 Release Notes contain the following sections:

- [General](#) Read this section to understand how the changes in UC software 4.0.6 affect Polycom hardware, deployment, and configuration of the software.
- [What's New for Polycom UC Software 4.0.6?](#) This section lists new, enhanced, and discontinued software features.
- [Updates to Previous Software Releases](#) This section lists enhanced and discontinued software features in previous software releases.
- [Known Issues and Suggested Workarounds](#) This section lists existing known issues and suggests workarounds, if available.
- [Reference Documents](#) This section lists all documents relevant to these release notes.



# Important Upgrade Notes and Considerations in UC Software 4.0.6

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 4.0.6 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 4.0.6 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: Deploying Phones in a Pre-UC Software 3.3.0 Environment

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 [Engineering Advisory 64731: Polycom® UC Software 4.0.x: Upgrade and Downgrade Methods](#).

## 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 4.0.6 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 [Technical Bulletin 35311: Maintaining Older Polycom® Phones Beyond Their Last Supported Software Release](#).

## Supporting Earlier Software versions

For details on platform support for previous software versions, refer to [UC Software/SIP Software Release Matrix](#).



### Note: Microsoft® Lync® Interoperability

Polycom recommends using Microsoft® qualified UC software 4.1.x or higher versions for Microsoft Lync 2010/Lync 2013 deployments. For more details, visit the [Polycom Voice Support](#) site.

## Managing SoundStation IP 7000 Phones with HDX Integration

If your phone deployment includes SoundStation IP 7000 phones with HDX 4000/6000/7000/8000/9000 integration, use [Table 1: Recommended Software Versions for the SoundStation IP 7000 with HDX Systems](#) as a guide to select a recommended software version.

**Table 1: Recommended Software Versions for the SoundStation IP 7000 with HDX Systems**

<i>SoundStation IP 7000 Software Version</i>	<i>Polycom HDX Software Version</i>
3.2.1 or 3.2.2 and BootROM 4.2.0	2.5.0.7, 2.5.0.8
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
<b>4.0.4 and Updater 5.0.3</b>	<b>3.1.3*</b>



### Note: Polycom Supports 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 RealPresence® Group Series Integration

If your phone deployment includes SoundStation IP 7000 phones with RealPresence® Group 300/500/700 integration, use [Table 2: Recommended Software Versions for the SoundStation IP 7000 with RealPresence Group Series](#) as a guide to select a recommended software version.

**Table 2: Recommended Software Versions for the SoundStation IP 7000 with Real Presence Group Series**

<i>SoundStation IP 7000 Software Version</i>	<i>Polycom RealPresence Group Software Version</i>
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

### **Supporting the PinYin Input Mode (XT9 input)**

UC software 4.0.6 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 [Feature Profile 76554: Using PinYin to Input Chinese Characters on Polycom® VVX® 1500 Phones](#) to learn more.

### **Supporting the Broadsoft Hoteling Feature (Premium ACD)**

UC software 4.0.6 supports the following Polycom phones to work with the Broadsoft Hoteling feature: SoundPoint IP 450, 550, 560, 650, and 670.



#### **Web Info: Premium ACD Hoteling**

For detailed information about the Hoteling feature, see [Feature Profile 76179: Using Premium Automatic Call Distribution for Call Centers](#).

## **Understanding 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 4.0.6 supports a range of features that are available on the SoundPoint IP phones. You can refer to [Table 3: SoundPoint IP Features and Licenses](#) or [Table 4: SoundStation and VVX Series Features and Licenses](#) to find out whether, in UC Software 4.0.6, 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.

**Table 3: SoundPoint IP Features and Licenses**

<i>Feature</i>	<i>IP 321/331/335</i>	<i>IP 450/550/560</i>	<i>IP 650/670</i>
<b>VQMon</b>	Feature License	Feature License	Feature License
<b>Call Recording</b>	No	No	Yes
<b>Conference Management</b>	No	Yes	Yes
<b>4-way local conference</b>	No	Yes	Yes
<b>Electronic Hookswitch</b>	Yes	Yes	Yes
<b>Enhanced Feature Keys</b>	Yes	Yes	Yes
<b>Customizable UI Background</b>	No	Yes	Yes
<b>Asian Languages</b>	Chinese only	Yes	Yes
<b>Configurable Soft keys</b>	Yes	Yes	Yes
<b>Enhanced BLF</b>	No	Yes	Yes
<b>H.323 Video</b>	No	No	No

**Table 4: SoundStation and VVX Series Features and Licenses**

<i>Feature</i>	<i>IP 5000</i>	<i>IP 6000</i>	<i>IP 7000</i>	<i>Duo</i>	<i>VVX 1500</i>	<i>VVX 500</i>
<b>VQMon</b>	Feature License	No	No	Feature License	Yes	Yes
<b>Local Call Recording</b>	No	No	No	No	Yes	Yes
<b>Conference Management</b>	No	No	Yes	Yes	Yes	Yes
<b>Electronic Hookswitch</b>	No	No	No	No	Yes	Yes
<b>Enhanced Feature Keys</b>	No	No	Yes*	No	Yes	Yes
<b>Customizable UI Background</b>	No	No	No	No	Yes	Yes
<b>Asian Languages</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Enhanced BLF</b>	No	No	No	No	No	Yes

Feature	IP 5000	IP 6000	IP 7000	Duo	VVX 1500	VVX 500
<b>H.323 Video</b>	No	No	No	No	Feature License	No**
<b>Pinyin Character Entry</b>	No	No	No	No	Feature License	No

\*Yes - Supported as of UC software 3.3.0

\*\* Video is not supported on this release, but is available with an optional VVX camera accessory from UCS4.1.3 and later software releases

## Downloading the Distribution Files

You can download UC software 4.0.6 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 [Table 5: Understanding the Split ZIP File](#) 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.id** file from the combined file version. All files other than the **sip.id** files are duplicated across the two ZIP file versions.

The current build ID for the **sip.id** and resource files listed in [Table 5: Understanding the Split ZIP File](#) and [Table 6: Understanding the Combined ZIP File](#) is **4.0.6.0711**

## Downloading 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.

**Table 5: Understanding the Split ZIP File**

<i>Distributed Files</i>	<i>File Purpose and Application</i>
<b>2345-12360-001.sip.id</b>	SIP application executables for SoundPoint IP 321
<b>2345-12365-001.sip.id</b>	SIP application executable for SoundPoint IP 331
<b>2345-12375-001.sip.id</b>	SIP application executable for SoundPoint IP 335
<b>2345-12450-001.sip.id</b>	SIP application executable for SoundPoint IP 450
<b>2345-12500-001.sip.id</b>	SIP application executable for SoundPoint IP 550

<i>Distributed Files</i>	<i>File Purpose and Application</i>
<b>2345-12560-001.sip.ld</b>	SIP application executable for SoundPoint IP 560
<b>2345-12600-001.sip.ld</b>	SIP application executable for SoundPoint IP 650
<b>2345-12670-001.sip.ld</b>	SIP application executable for SoundPoint IP 670
<b>3111-30900-001.sip.ld</b>	SIP application executable for SoundStation IP 5000
<b>3111-15600-001.sip.ld</b>	SIP application executable for SoundStation IP 6000
<b>3111-40000-001.sip.ld</b>	SIP application executable for SoundStation IP 7000
<b>3111-19000-001.sip.ld</b>	SIP application executable for SoundStation Duo
<b>3111-44500-001.sip.ld</b>	SIP application executable for VVX 500
<b>2345-17960-001.sip.ld</b>	SIP application executable for VVX 1500
<b>sip.ver</b>	Text file detailing the build-identification(s) for the release
<b>000000000000.cfg</b>	Master configuration template file
<b>000000000000-directory~.xml</b>	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.
<b>applications.cfg</b>	Contains configuration parameters for microbrowser and browser applications
<b>features.cfg</b>	Contains configuration parameters for telephony features
<b>H323.cfg</b>	Contains configuration parameters for the H.323 signaling protocol
<b>reg-advanced.cfg</b>	Contains configuration parameters for the line and call registration and advanced phone feature settings
<b>reg-basic.cfg</b>	Contains configuration parameters for the line and call registration and basic phone feature settings
<b>region.cfg</b>	Contains configuration parameters for regional and localization settings such as time and date and language
<b>sip-basic.cfg</b>	Contains configuration parameters for the VoIP server, softswitch registration
<b>sip-interop.cfg</b>	Contains configuration parameters for the VoIP server, softswitch registration, and interoperability configuration
<b>site.cfg</b>	Contains configuration parameters that are set on a per site basis
<b>video.cfg</b>	Contains configuration parameters for video connectivity
<b>video-integration.cfg</b>	Contains configuration parameters for SoundStation IP 7000 and Polycom HDX integration

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

## Downloading the Combined ZIP File

Use [Table 6: 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.

**Table 6: Understanding the Combined ZIP File**

<i>Distributed Files</i>	<i>File Purpose and Application</i>
<b>sip.ld</b>	Concatenated SIP application executable
<b>sip.ver</b>	Text file detailing build-identification(s) for the release

<i>Distributed Files</i>	<i>File Purpose and Application</i>
<b>000000000000.cfg</b>	Master configuration template file
<b>000000000000-directory~.xml</b>	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.
<b>applications.cfg</b>	Contains configuration parameters for microbrowser and browser applications
<b>features.cfg</b>	Contains configuration parameters for telephony features
<b>H323.cfg</b>	Contains configuration parameters for the H.323 signaling protocol
<b>reg-advanced.cfg</b>	Contains configuration parameters for line and call registration and advanced phone feature settings
<b>reg-basic.cfg</b>	Contains configuration parameters for line and call registration and basic phone settings
<b>region.cfg</b>	Contains configuration parameters for regional and localization settings such as time and date and language
<b>sip-basic.cfg</b>	Contains configuration parameters for the VoIP server and softswitch registration
<b>sip-interop.cfg</b>	Contains configuration parameters for the VoIP server, softswitch registration, and interoperability configuration
<b>site.cfg</b>	Contains configuration parameters that are set on a per site basis
<b>video.cfg</b>	Contains configuration parameters for video connectivity
<b>video-integration.cfg</b>	Contains configuration parameters for SoundStation IP 7000 and Polycom HDX integration



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

# What's New for Polycom UC Software 4.0.6?

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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*).

## Enhanced Capabilities

**86623/90746** The phone now plays the defined custom ringtone for a directory contact.

**89346** In a call transfer scenario, phone now sends all Audio, Video, AVP and SAVP m lines correctly when the active call is transferred from the soft client to another phone

**89914** In a shared call scenario, phone now receives the incoming call on the next available line when the calls per line key is set to 1 and the number of line appearances are 4

**90105** In a shared call scenario, the missed call list on the phone is now updated when the NOTIFY message occurs before the CANCEL message.

**90129** Corporate directory on the phone now sends a LDAP unbind request successfully after pressing 'submit' soft key after entering text input

**90334** Upgrading the phone using ZTP is now working fine without any issue.

**90342** In a BLF scenario, monitoring phone no longer visually alert the incoming call of the monitored user when the monitored user is already on an active call.

**90553** Divert timeout of an incoming call can now be set up to 180 seconds by using the parameter `divert.noanswer.1.timeout`

**90660/91155/91154** Multiple issues regarding Emergency call routing and re-registration over Failover are fixed.

**90699** Emergency dialing is now working as expected when there are multiple dial plan servers configured and the first server does not resolves any IP address.

**90702** The SIP URI address entry field in the PAB directory now accepts 83 characters while entering or editing a contact

**90708** Nick name field in the PAB directory of the phone now accepts 120 characters

**90766** Phone now successfully registers the second line when the user logs in into the user profile and attempt to register the second line.

**90864** Removing the Hold soft key using the parameter `softkey.feature.basicCallManagement.redundant = "0"` is now working fine without any issue

- 90892** Contacts with “&” in their name will be retained in the local directory even after a reboot.
- 90921** Phone now sends a DNS query to the Configured DNS server every 60 seconds even if the DNS server is unresponsive or not working
- 90956** Warning icon on the phone’s interface is now displayed properly during the line registration failure (applies to SoundPoint IP 331)
- 90989** Phone now updates the Buddy watch contact icon and presence status without any issue after the user signs-in.
- 91149** Phone now connects to the Personal Address Book (PAB) successfully for the PMC enabled user
- 91224** Phone now displays the submit soft key on the microbrowser when the user tries to enter login credentials
- 91348/91481** In an Emergency call routing scenario, phone now sends the INVITE to sever without any issue when transport is set as TCP preferred.
- 91368** In a shared call scenario, phone now displays the correct Caller ID of the remote held call and no longer causes any issues
- 91413** Generating a Soft Key on the phone using web soft key index= 0 is now working correctly.
- 91482** In a Re-registration over failure scenario, phone no longer sends any invite message to the second server when it is already registered with it and the primary server is down

## Configuration File Enhancements

No Change

# Known Issues and Suggested Workarounds

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The following issues are known to be present in the current release. They will be reviewed for possible fixes in a future release if no reasonable workaround is available.

## Known Issues and Suggested Workarounds for UC Software 4.0.6

- 91695** Observed “line un-registered “ error pop-up on the phone after reboot/restart when there is no active line  
*Workaround:* No workaround is currently available.
- 91756** In a Genband environment, observed that the PAB contacts are disappearing from Directory upon changing the language from English to French or vice versa  
*Workaround:* Try Rebooting the Phone.

## Known Issues and Suggested Workarounds for Previous UC Software

- 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.  
*Workaround:* Use the correct subnet mask.
- 26920** Centralized conference fails due to RTP port opening too slowly in some cases.  
*Workaround:* No workaround is currently available.
- 30086** Boot servers running explicit FTPS are not supported.  
*Workaround:* Use implicit FTPS or HTTPS.
- 30371** Pattern generator for tones does not work well in the case of a single repeating chord.  
*Workaround:* 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.
- 33445** LCS Presence and dialing from Buddy Lists does not work across federations.  
*Workaround:* 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.
- 37175** If configuration files are used to set the SNTP server address, date validity checking on CA certificates will be ignored for https provisioning.  
*Workaround:* Set the SNTP server address through the phone UI or use DHCP to inform the phone of the SNTP server address.

- 37273** If the custom idle display and idle browser features are both enabled, the phone UI displays incorrectly.  
*Workaround:* Do not set `ind.idleDisplay.enabled=1` and enable the Idle Browser at the same time.
- 37984** Enabling the Idle bit-map on SoundPoint IP 330 and 320 phones causes the line key labels and dialed digits to be invisible.  
*Workaround:* Do not use the idle bit-map on 330/320 phones; instead, set `ind.idleDisplay.enabled=0`.
- 41993** Scrolling through the Corporate Directory may not return complete results if results contain Unicode character values > 127 (server does not support sorting).  
*Workaround:* Start the search in a different location or avoid use of Unicode characters >127 in directories.
- 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.  
*Workaround:* As of SIP 3.1.0 the occurrence of this issue only relates to the treatment of Daylight savings Time settings.
- 44764** SRTP processing may cause performance degradation with certain video/audio codec combinations on the VVX 1500.  
*Workaround:* If SRTP is being used, limit the video bit rate to 384 Kbps.
- 46997** Camera brightness adjustment does not work between levels 3 to 6 on the VVX 1500.  
*Workaround:* No workaround is currently available.
- 48905** Jitter parameter is not correctly computed on the SoundStation IP 6000/7000 as per RFC3550.  
*Workaround:* No workaround is currently available.
- 52141** Daisy-chained SoundStation IP 7000 phones sometimes become stuck during software upgrade.  
*Workaround:* Pressing any key on the phone will continue the upgrade.
- 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.  
*Workaround:* Try using a different codec. Try other versions of Eyebeam client as some do work.
- 53514** H.264 calls to an HDX9002 device using an MGC 50 Gateway using H.320 result in lip sync issues (*applies to VVX 1500*).  
*Workaround:* Set the call for transcoding on the MGC.
- 54027** The receiving phone does not re-invite with a new key at the half-life of the key life-time.  
*Workaround:* Ensure that both ends use the same key life time so that the sending phone will initiate a key re-negotiation.
- 54028** Key changes do not function correctly when multiple crypto suites are enabled.  
*Workaround:* Configure a single crypto suite on the phone.
- 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.  
*Workaround:* No workaround is currently available.
- 54799** The VVX 1500 transmits H.264 QCIF video to Tandberg MXPs in H.323 calls.

- Workaround:* Set the video bit rate on the VVX 1500 to 512 Kbps to avoid the issue.
- 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.  
*Workaround:* Configure system for encryption required.
- 54977** H.264 calls to a Tandberg Edge95 MXP device using a Tandberg Gateway result in lip sync issues on the VVX 1500.  
*Workaround:* No workaround is currently available.
- 59812** Blind transfer to a URL is not successful on the SoundStation IP 7000. Eventually, the URL soft key becomes unavailable.  
*Workaround:* No workaround is currently available.
- 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.  
*Workaround:* No workaround is currently available.
- 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  
*Workaround:* A phone reset will resolve the issue.
- 62482** Server certificate Serial Number is checked against the host name if the outbound proxy is configured.  
*Workaround:* No workaround is currently available.
- 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.  
*Workaround:* No workaround is currently available.
- 63527** Phone sends out INVITE and CANCEL if no provisional response is received.  
*Workaround:* No workaround is currently available.
- 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*).  
*Workaround:* No workaround is currently available.
- 66251** British Telecom Caller ID type is not correctly supported (*applies to SoundStation Duo*).  
*Workaround:* No workaround is currently available.
- 68815** The phone does not send a `CallState=CallConference` notification when a conference is established (*applies to all SoundPoint IP and SpectraLink 84xx*).  
*Workaround:* No workaround is currently available.
- 69502** Confirm Click-to-dial text does not appear on the SoundPoint IP 331 phone when SNTP fails.  
*Workaround:* Configure SNTP.
- 69552** Music on hold (MOH) call dialog does not get terminated when there is an update from the MOH server.  
*Workaround:* End the call to restore normal state.

- 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, 1500*).  
*Workaround:* No workaround is currently available.
- 69898** Quick search bar on the SoundPoint IP 321, 330, 331, and 355 accepts only 15 characters when the corporate directory is configured.  
*Workaround:* No workaround is currently available.
- 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*).  
*Workaround:* No workaround is currently available.
- 70728** Software Upgrade does not work if `<partnumber>.xml` file is not specified as a part of `upgrade.custom.server.url` configuration value.  
*Workaround:* Ensure the part-number.xml file is part of the `upgrade.custom.serverurl` configuration value.
- 71386** Soft keys URIs do not function when the phone is in the Enter Number screen (*applies to VVX 1500*).  
*Workaround:* No workaround is currently available.
- 71800** Users cannot change the user password using the Web Configuration Utility.  
*Workaround:* Use the phone's user interface to change the user password.
- 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*).  
*Workaround:* No workaround is currently available.
- 72211** An explicitly trusted Intermediate CA fails TLS verification when it is the issuer of a server certificate.  
*Workaround:* No workaround is currently available.
- 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*).  
*Workaround:* Recommend to use Cisco ACS server 5.1 or higher.
- 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.  
*Workaround:* No workaround is currently available.
- 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.  
*Workaround:* No workaround is currently available.
- 72601** The SoundPoint IP 33x phones fail to dial authorized call when in the Phone Locked state.  
*Workaround:* No workaround is currently available.
- 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*).  
*Workaround:* No workaround is currently available.

- 72898** Hard key external URL mapping requires EFK enabled on the SoundPoint IP 650.  
*Workaround:* Enable EFK using configuration files.
- 73015** The LifeSize Team 220 behaves incorrectly by remaining in a connecting state when there is a call from VVX 1500 over H323.  
*Workaround:* No workaround is currently available.
- 74120** Plantronics Audio 646 DSP USB headset volume control does not work (*applies to VVX 500*).  
*Workaround:* Adjust the volume using the volume keys on the phone.
- 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*).  
*Workaround:* No workaround is currently available.
- 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*.  
*Workaround:* No workaround is currently available.
- 74763** The MKC5 key to upload logs doesn't work (*applies to SoundStation Duo*).  
*Workaround:* No workaround is currently available.
- 74958** When DND is enabled, the phone is missing the call forward message "Fwd:<number>" (*applies to VVX 500, 1500, and SpectraLink 84xx*).  
*Workaround:* No workaround is currently available.
- 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.  
*Workaround:* No workaround is currently available.
- 75195** Hold/Transfer/Conference does not display when the parameter `softkey.feature.basicCallManagement.redundant = 0` (*applies to SoundStation Duo*).  
*Workaround:* No workaround is currently available.
- 75229** A phone configured with a Synergy call server displays the local conference UI when establishing a centralized conference using the Join soft key.  
*Workaround:* No workaround is currently available.
- 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*).  
*Workaround:* No workaround is currently available.
- 75661** The multi key combination shortcuts for uploading logs and rebooting the phone sometimes do not work (*applies to VVX 500*).  
*Workaround:* No workaround is currently available.
- 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*).  
*Workaround:* No workaround is currently available.
- 75759** Numeric data entered using the dial pad on the phone browser cannot be deleted using the dial pad.  
*Workaround:* Use the virtual keyboard.



- 75778** Using Microsoft Lync, if a user dials an invalid extension, the entry is sometimes not logged in the Placed Calls call list.  
*Workaround:* No workaround is currently available.
- 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.  
*Workaround:* Exiting and re-entering the directory fixes the issue.
- 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*).  
*Workaround:* No workaround is currently available.
- 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.  
*Workaround:* The call center administrator can set the names appropriately.
- 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.  
*Workaround:* Two stars (\*\*) should be used.
- 76753** Removing a BLF line from the server causes the speed dial icon to disappear.  
*Workaround:* Restart or reboot the phone, and the icon will re-appear.
- 76881** On a shared call, reorder tone is not played to the user when Resume attempt fails.  
*Workaround:* No workaround is currently available.
- 76977** Adding a new registration line changes the BLF-monitored lines label from first/last name to its extension number.  
*Workaround:* Rebooting the phone will resolve.
- 77039** When PTT is enabled, sender name/ID, updated through the parameter `reg.x.displayname`, does not get updated during the PPT call.  
*Workaround:* No workaround is currently available.
- 77076** When the XT9 input mode is enabled, the phone displays unmatched UIMA-focused items in the first position during XT9 (PinYin) input.  
*Workaround:* No workaround is currently available.
- 77818** In a shared line scenario, the phone does not display the Resume option for a hold call.  
*Workaround:* No workaround is currently available
- 78232** During a remote conference pickup on a shared line, the phone does not display the call appearance and call indicator.  
*Workaround:* No workaround is currently available.
- 78340** Sending several MWI NOTIFY messages within a few seconds of each other may cause the phone to reset.  
*Workaround:* Avoid sending multiple MWI messages close together.
- 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*).  
*Workaround:* Try pressing the Resume or New Call followed by Cancel soft keys.

- 81123** During voicemail playback, going off hook and on hook stops the phone from responding to the Menu, New Call, Dir, Dial, Dial pad Number keys and the Volume Increase/Decrease soft keys.  
*Workaround:* Try pressing the Line1, Handsfree, and Headset buttons to make the phone responsive.
- 81366** In PSTN mode, the Enter Number screen pops up and obstructs the swapping of calls during a conference call (*applies to SoundStation Duo*).  
*Workaround:* Wait for the Enter Number screen to disappear.
- 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.  
*Workaround:* Try to change the ringtone using the phone's user interface.
- 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*).  
*Workaround:* No workaround is currently available.
- 85142** Observed an incorrect timer update when a media file is paused and then played on the microbrowser.  
*Workaround:* No workaround is currently available.
- 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 IP 670*).  
*Workaround:* No workaround is currently available.
- 85908** Phone no longer supports .jpg images (*applies to SoundPoint IP 321/331 and IP 335*).  
*Workaround:* No workaround is currently available.
- 89407** In a 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.  
*Workaround:* No workaround is currently available.
- 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*)  
*Workaround:* No workaround is currently available.
- 90174/90522** In a Genband environment, making video calls from the phone to Group series or HDX is not supported  
*Workaround:* No workaround is currently available.

# Updates to Previous Software Releases

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

## Understanding 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.

## Enhanced Capabilities

- 90105** In a shared call scenario, the missed call list on the phone is now updated when the NOTIFY message occurs before the CANCEL message.
- 89854** The phone now receives the incoming call on the latest available line when there are outbound calls on other lines and the parameters `reg.1.callsPerLineKey`, `reg.1.lineKeys` and `voIpProt.SIP.conference.address` are set.
- 89841/89493/89843** Line key LED indication is now optimized for various incoming call scenarios when the far end terminates a call.
- 89800/89840** P-asserted-identity of the LLDP-MED now includes the INVITE with the required ELIN provided identity and no longer includes any extra characters.
- 89768/81289** The phone now sends the correct LDAP packets when trying to search a contact using Quick or Advanced search (*Applies to SoundStation IP 6000*).
- 89764/89188** In a Hunt group BLF setup, performance of the phone is now optimized for various scenarios.
- 89665** Pressing the "\*" or "#" key after adding video to the existing voice call no longer causes a reboot when the phone is connected to a Group Series (*applies to SoundStation IP 7000*).
- 89640/88816/89637** The phone now establishes a three-way conference call successfully and no longer causes a reboot when server recording is enabled on one of the phones in the conference call (*applies to VVX 500*).

- 89630** The phone now successfully fails over to the secondary server and updates the SIP request URI as configured when the primary sever fails while dialing an emergency number.
- 89448/90115** The phone now takes the precedence over local configuration files when the NTP server settings are changed from the web interface.
- 89401** Disabling 'Call forward No Answer' now works successfully and no longer displays the 'Please Try Again' error message when `reg.1.serverFeatureControl.cf` is set to 1.
- 89395/89495** Off-hooking and on-hooking the phone's handset in a quick succession (~1sec) is now working as expected.
- 89353/89351** Multiple issues regarding Group Call Pick up have been optimized.
- 89284/89496** Using 'Click to call feature' on Broadsoft or ACME packet platforms no longer causes a reboot on the phone (*applies to VVX 1500*).
- 89229/90271** The phone no longer lit up the message waiting indicator (MWI) when the user press any registered key greater than 6 (*applies to VVX 500 and VVX 600*).
- 89228** Exporting Configuration from the Web UI is now optimized to upload in considerably less time when the configuration parameters are more (>100)
- 89202** Placing Hunt group calls at a rapid pace (for example, 30 calls/min on the phone) no longer causes a reboot (*applies to VVX 500*).
- 89191/88219** The phone now generates the unique 'To when a call is placed to the ring group and all the phones in the group are rebooted simultaneously.
- 89142/88953/89267** Using the paging functionality on the phone was improved when a parked call is present on the phone.
- 89007** The phone now contacts the NTP server for updates before establishing an SSL connection via HTTPS.
- 88956/88521** Using the Directed Call Park enhanced feature key on the phone is now optimized (*applies to SoundPoint IP 550, 650, 670, and SoundStation IP 6000*).
- 88955** The phone now displays monitored line calls on the BLF line by pressing and holding the BLF line key when the parameter `attendant.behaviors.display.spontaneousCallAppearances.normal` is set to 0.
- 88873/88401** The phone now sends a cancel message to the sip server when the call is placed and ended before the sip dialog reaches the server.
- 88871/88872/86090** In a shared call scenario, the shared registration configured on the first line of the phone is selected by pressing the New Call soft key when there are multiple lines registered on the phone and the other party of the shared line is busy.
- 88819/88403** In a network outage scenario, the phone no longer sends the invite messages after pressing the Cancel soft key.
- 88633** The phone's Microbrowser's performance has been improved and made consistent with the previous releases.
- 88560/88708** Enhanced feature keys for the Blind Transfer and Voice Mail Transfer are now working without any issues.

- 88548/86709/85370** The call logs menu on the phone now gets updated for missed calls when the parameter `call.advancedMissedCalls.reasonCodes=487` is set (*applies to VVX 500 and VVX 600*).
- 88497/7891/87062** The phone's screen now updates without any issues while using hook switch in quick succession.
- 88479** Establishing a call from the received call list is now working without any issues when the SIP registration is done using FQDN.
- 88406/87794** In a BLF Scenario, the phone now displays only the number in the placed call list when monitoring phone calls on a monitored line using speed dials.
- 88404** The phone now successfully disables the DND hard key by using the `key.16.VVX1500.function.prim="Null"` parameter and no longer causes a reboot.
- 88403** Performance of the phone is improved in server outage scenarios.
- 88377** Dialing an Annex-O entry in the guest book from the CMA server is now available on the phone (*applies to VVX 1500*).
- 88299** Timeout of the Arrows in the contact directory has been increased by ~10 sec (*applies to VVX 1500*).
- 88259** Setting the soft key positions on the phone using the parameter `Softkey.x.insert` parameters has been improved.
- 88190/88635** The LDAP directory no longer appends the "\*" attribute in the search bar when the parameter `dir.corp.attribute.4.addstar` is set to 0.
- 88161/89187** The phone no longer displays the call center status notification on the phone screen when `feature.callCenterStatus.enabled` is set to 0.
- 88083/87706** Pressing the "\*" hard key twice in a quick succession now enters "\*\*\*" when the parameter `call.internationalDialing.enabled` is set to 0.
- 88045** Contacts in the local Contact Directory can be sorted either by first name or last name by enabling or disabling the parameter `dir.search.field`.
- 87982/84161/80529/87856** The selection of ringtone patterns in multiple scenarios is optimized.
- 87902/87389** The phone now follows the second slow start re-invites from the remote destination and forwards the audio and video stream to the respective ports (*applies to VVX 1500*).
- 87891/87062/88497** The phone's screen now updates without any issues while using hook switch in quick succession.
- 87774** The Transfer soft key is now displayed on the phone screen without any issues even when a large number of PSTN calls are transferred.
- 87681** Placing and receiving calls from the BroadWorks anywhere extension is now working without any issues.
- 87679** The phone no longer displays the 'Please try again' message when the parameters `reg.1.serverFeatureControl.cf="1"`, `reg.1.server.1.expires="10"` are set.
- 87437/88280** A second incoming call notification is now displayed on the phones status bar (*applies to SoundStation IP 6000, IP 7000*).

- 87394/87599** In a call center environment, the phone no longer produces a beep sound when one of its monitored phones has its handset lifted, receives a call, or goes off-hook using any termination.
- 87298** The phone no longer sends the SUBSCRIBE message body in the feature event SUBSCRIBE message after a reboot.
- 87219** The phone now tags the VLAN packets correctly during the upgrade process when the phone is sending the packets via LLDP.
- 87151** Enhanced feature keys like Blind Transfer and Voice Mail Transfer now work without any issues.
- 86779/86971** The phone now upgrades from UC software 4.0.2B successfully and does not display a 'Please try again' error message (*applies to VVX 500 and SoundStation IP 7000*).
- 86728** The GuestIn and GuestOut soft keys are now displayed in the respective configured language on the phone's screen.
- 86707** The phone now performs a SRV query first and performs an A record query if the port number is not mentioned during the browser configuration (*applies to SoundPoint and SoundStation IP phones*).
- 86657** The 'Initializing Network' message is displayed on the phone's screen during initialization upon a reboot (*applies to SoundPoint IP 450, 550,560,650 and 670*).
- 86623** The phone now plays the defined custom ringtone for a directory contact (*applies to VVX 500*).
- 86575/85968/84650/83991** The phone now successfully downloads the updates from the `MAC-directory.xml` file and modifies the speed dial list accordingly.
- 86483** The phone now sends the DTMF information during the early media when the parameters `tone.dtmf.rfc2833Control="0"`, `tone.dtmf.viaRtp="0"`, `voIpProt.SIP.dtmfViaSignaling.rfc2976="1"` are set.
- 86063** The phone now disconnects the call by pressing the speaker hard key once when it is using the Out of Dialog refer based dialing (*applies to SoundPoint IP 670*).
- 86054/87251** The phone now successfully receives the ICMP message 'Fragmentation needed' without any failover.
- 86011** The volume for incoming pages is improved (*applies to SoundPoint IP 450*).
- 85949** Trying to join two active calls on the phone no longer causes any issue when there is only a single private line registered on the phone (*applies to SoundPoint IP560*)
- 85905** At maximum loop current conditions, phone is now able to obtain the DTMF compliance correctly (*applies to SoundStation DUO*)
- 85900** Placing and receiving calls from Real Presence mobile now works without any issues (*applies to VVX 1500*).
- 85803** In a buddy watch scenario, the phone now updates the buddy presence on the idle screen when the first name of the buddy is edited locally and added to the Favorites list for the Asterix server (*applies to VVX 500*).
- 85770** In a shared line scenario, phone displays an error pop up message "Request failed" and the phone successfully retrieves the call when user tries to initiate a blind transfer for a conference call.

- 85567** The phone is now working without any issues and no longer gets rebooted when the parameter `log.level.change.dns` is set to 2 and the DNS server is unreachable.
- 85502** The 'Authorized calls only' message now displays on the phone's status bar when the phone is locked with Allow ringing when locked state is enabled.
- 85442** In a shared call scenario, phone now successfully comes out of the forward screen when the call forwarding is enabled and user presses the forward and reject soft keys in a quick succession.
- 85400/81439** In a call center scenario, when trying to view the incoming call information on the phone, it no longer displays "Back" Soft key.
- 85372** The phone now successfully failovers to the secondary server in approx. 90 seconds when the primary server does not respond to the register request.
- 85076** In a shared call scenario, phone now displays all the remote held calls in a line view without any issue (applies to SoundStation IP 6000)
- 84933** The phone now displays the disable option for the PC port in the Ethernet menu (applies to SoundPoint IP 321/331/335).
- 84781/89022** On a shared registration scenario, the phone now displays the calling party number on the phone's screen when you long press the line key after a Consultative Transfer.
- 84537** The phone is now optimized to display the buddy presence for longer durations without any issues when HTTP provisioning is used.
- 84481/84025** The DND state on the phone is no longer observed to be in the active state when one of the shared extensions is replaced with a new SCA extension (*applies to VVX 1500*).
- 84184** The phone is able to handle multiple user applications without any issue (*applies to SoundPoint IP 650*).
- 84152** Remapping the hard keys on the phone is now available using the `key.<mappednumber>.<phonemodel>.function.prim="Null"` parameter and no longer causes a reboot.
- 84135** The phone now displays configured warning messages correctly when the parameters `voipProt.SIP.header.warning.enable` and `voipProt.SIP.header.warning.codes.accept` are set.
- 83939/87155/87148/88833/87796/89699/86112** Stability of the phones has been optimized at different customer environments.
- 83747/89589** The phone successfully answers a second incoming call when using Jabra Pro 9465 USB headset and no longer causes the call to drop.
- 83691/85448** The country menu is no longer displayed on the phone's screen when the operational mode on the phone is selected as SIP only (*applies to SoundStation Duo*).
- 83433** The phone's screen now updates correctly without showing duplicate images when the BLF dialog information changes the display attributes.
- 82741/89910** The phone no longer displays a non-functional Transfer soft key when the phone is hosting a centralized conference.
- 82086** The unregistered icon is now removed from the phone's screen after the phone successfully reaches the DNS server when the phone fails to register for the first time due to DNS server failure.

**81327/86291** Changing the static BLF line key configurations on the web interface no longer affects the configured soft keys on the phone.

**78269** Using the User Interface on the phone to change the phone lock behavior from alert to DND is now working and no longer causes the phone to reset.

**78140** The presence information of the contact enabled for Buddy watch is now updated after a reboot.

## Configuration File Enhancements

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

**Table 7: Software Version 4.0.5 – Configuration File Parameter Enhancements**

<i>Parameter</i>	<i>Permitted Value</i>	<i>Default</i>	<i>Description</i>
<code>Feature.corporateDirectory.alt.enabled</code>	0 or 1	0	Enables the GAB functionality.
<code>Sec.TLS.SOPI.strictCertCommonNameValidation</code>	0 or 1	1	Determines certification validation. When set to 0, there is no certification validation needed and any certification is accepted and trusted.
<code>reg.x.bargeInEnabled</code>	Maximum line number registered	0	Determines whether a user can barge in on an active call.
<code>sec.TLS.SOPI.cipherList</code>	String (max of 1024 characters)	NoCipher	Defines the cipher list for SOPI transactions.
<code>dir.local.serverFeatureControl.method</code>	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.
<code>dir.local.serverFeatureControl.reg</code>	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
<code>msg.mwi.x.led</code>	0 or 1	1	Enables and disables the LED Message Waiting Indicator on receiving a new message
<code>mwi.backLight.disable</code>	0 or 1	0	If set to 1, disables backlight on new voice message arrival.
<code>reg.l.server.l.specialInterop</code>	GENBAND	standard	Required to enable MADN-SCA on GENBAND .



Parameter	Permitted Value	Default	Description
sec.TLS.profileSelection.S OPI	PlatformProfile1, PlatformProfile2 ApplicationProfile 1 to ApplicationProfile 7	PlatformProfil e1	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.

## Understanding 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.

### Enhanced Capabilities

- 85076** In a shared line scenario, the phone now displays all the remotely held calls on the screen without any issue (*applies to SoundStation IP 6000*).
- 84965/84893/84797** When the phone is upgraded from 3.3.x software, details of the PSTN calls are now logged in the call lists of the phone without any issue in different scenarios.
- 84962/84398** MWI now sends re-subscription messages to the server in regular intervals without a need to reboot.
- 84704** Configuring the message waiting tone as "silence" in all 32 instances no longer causes a reboot on the phone (*applies to SoundPoint IP 6000 and IP 7000*).
- 84703** All the details of the outbound calls are now displayed in the HTTP/XML reports generated by the phone when CMA 6.0.3 call server is used (*applies to VVX 1500*).
- 84651** In a BLF scenario, the phone is now able to answer its incoming call using a headset when one of the monitored users is in an active/altering state (*applies to VVX 500*).
- 84630** The phone's ability to establish calls with AT&T mobiles is improved in multiple scenarios with no audio path loss (*applies to SoundPoint IP 6000*).
- 84608/84751** A parameter `voIpProt.SIP.supportFor100rel` is introduced for handling 1XX provisional responses.

- 84523** In a shared call scenario, the phone now displays all the call appearances properly when the line reaches its maximum call limit, and the user tries to establish another call using hot dial.
- 84521** In a BLF scenario, date and time are now displayed on the phone's screen when an incoming call is received on one of the monitored lines (*applies to SoundStation IP 650*).
- 84439** When both call servers fail, the phone first tries the primary server, then fails over to the secondary server, and then back to the primary server. This loop continues until the phone registers with one of the servers.
- 84372** In an ACD scenario on Sylanro server, the phone now displays the Login soft key on the home screen after a reboot.
- 84333** Soft keys on the phone screen are re-aligned, and the screen no longer displays an empty space when the Forward soft key is disabled for a private line.
- 84269** Sending a Paging message using a soft key is now available on the phone when French Language is configured on the phone (*applies to VVX 500*).
- 84250** Presence information on the phone is now updated correctly when the user signs into the ACD feature on Sylanro server (*applies to SoundPoint IP 335*).
- 84197** The call timer on the phone's screen now updates correctly when an outgoing call is placed to a toll-free number.
- 84184** The phone is able to handle multiple user applications without any issue (*applies to SoundPoint IP 650*).
- 84165/84146** SoundStation IP 7000 is now able to receive calls from SoundStation IP 6000 and VVX 1500 without any issues.
- 84158/84144** The Conference Dialer screen now turns into a normal dialer screen when the second party hangs up the call while trying to establish a conference.
- 84147** Enabling an n-way conference with PSTN line configured on the phone no longer causes a reboot (*applies to SoundStation Duo*).
- 84140** In an Interactive Intelligence server setup, when the phone sends TCP SYN request and does not receive any response, the phone now switches to the failover server.
- 84138/84139** Presence status of the user is now updated correctly on the phone after a call when the parameter `reg.1.callsPerLineKey` is set to 1.
- 84126** Establishing a video call with 'Real Presence Mobile' on an Android host no longer triggers a reboot on the phone (*applies to VVX 1500*).
- 84114** Missed/received calls are now logged in the respective configured list when the parameters `call.advancedMissedCalls.enabled` and `call.advancedMissedCalls.addToReceivedList` are set.
- 84096** The phone now continues to send TCP keep-alive messages in failover scenarios.
- 84052** Editing a number from the placed call list is optimized and no longer displays a blank edit field on the phone's screen (*applies to SoundPoint IP 670*).
- 84051** The URL dialing screen is no longer prompted on the phone's screen when the user presses the conference soft key and encoding '123' soft key while the second user terminates the call (*applies to SoundStation IP 7000*).

- 84025** Phone now disables the DND automatically when the DND-enabled registration is replaced by a new registration through the web user interface.
- 83997** Answering a call using EHS is now available on the phone when the BLF status is active for any monitored user.
- 83996/82051/81016/82053** Blind transfer from the contact directory/recent call list/favorites is now working as expected.
- 83988/84028** In a shared call scenario, the phone no longer shows the remote hold call in the default view.
- 83945** The phone is now able to auto answer an incoming call with multiple call-info headers without any issue when the parameters `voIpProt.SIP.alertInfo.1.value="auto-answer"` and `voIpProt.SIP.alertInfo.1.class="autoAnswer"` are set.
- 83776** The idle browser on the phone comes up automatically after a reboot/restart without displaying an "Invalid Hostname" message.
- 83774** In a BLF scenario, the phone no longer displays the call appearance of the monitored parties when the parameter `attendant.behaviors.display.spontaneousCallAppearances.normal="0"` is set.
- 83711/82876/82878/82445** Noise cancellation is improved on the phone and no longer causes any effect on the connectivity of the PSTN call via Avaya PBX (*applies to Sound Station IP 7000*).
- 83691** The "Country" menu no longer appears on the phone's screen when the phone is set to "SIP only" mode (*applies to SoundStation Duo*).
- 83620** The Forward soft key is now available on the phone's screen when the server-based call forwarding is enabled on the phone using the parameters `voIpProt.SIP.serverFeatureControl.cf="1"` and `voIpProt.SIP.serverFeatureControl.localProcessing.cf="0"`.
- 83619** The phone now sends 'A' as the standard query to the DNS server when the phone uses IPv4.
- 83557** Upgrading the firmware using HTTPS is now improved and no longer exhibits any issue during the upgrade (*applies to VVX 500*).
- 83520** A two-way audio is now established immediately for an outbound PSTN call when the call is answered using the speaker key, and an active call is present at the time of answering the call (*applies to VVX 500*).
- 83453** In a shared call scenario, the phone now successfully comes out of the Transfer Dialing screen when the remote party resumes the call.
- 83450** The phone is now able to host four-way conference call (*applies to SoundPoint IP 650*).
- 83407** Audio quality on the phone is improved for Polycom RMX bridge calls when the audio codecs used on the phone are SIREN14 or SIREN22 (*applies to SoundStation IP 6000 and IP 7000*).
- 83403** The phone now uses Native VLAN when CDP or LLDP is disabled on the phone.
- 83400** In the phone applications menu, the entered inputs/values are now submitted successfully on pressing the Submit soft key.
- 84398** MWI performance is now optimized, and the phone sends re-subscription messages for MWI periodically.

- 83340** The phone now displays the caller ID and plays a ringtone for the BLF users mapped to an expansion module/sidecar, even if the line keys on the phone are empty.
- 83312** Two-way audio is now successfully established, and a special lock symbol is shown on the phone's screen when a SRTP call is resumed.
- 83281** Phone now matches the dialplan correctly and dials automatically when a range operator is used.
- 83263** A "Do Not Disturb" message is now displayed on the status bar when DND is enabled using the soft key (*applies to SoundStation 7000 and Duo*).
- 83243** In a BLF scenario, the phone now displays the correct soft keys for an incoming call to a monitored line when one of the line keys are left blank between the registered line and monitored BLF key.
- 83230/80839** When the BLF feature is enabled on the phones, it can handle up to 50 calls per minute.
- 83078** The phone's performance has been improved to handle multiple client applications without a reboot (*applies to SoundPoint IP 670*).
- 83069** Music on Hold (MOH) no longer disconnects when the phone is using SRTP traffic (*applies to SoundPoint IP 450*).
- 83024** The phone is now able to answer an incoming call to the primary line, using the headset or speakerphone key, when the line is part of a hunt group (*applies to VVX 500*).
- 83022** The phones now send SIP INFO packet with a new line between content attributes.
- 82031/79490** In a BLF scenario, going off-hook and on-hook on the monitoring phone, using the speakerphone key is now possible when the monitored phone is in altering/active state.
- 82989** In a shared line scenario, a conference call kept on hold will no longer display any pseudo image on the phone's UI.
- 82915** Added Configuration Parameter `tcpIpApp.sntp.AQuery`. If set to 1, the phone will send a DNS A query directly for NTP requests.
- 82914/79065** The phones now report correct LAN port mode in LLDP Operational MAU Type.
- 82814** Ringtones containing a period of silence no longer create any noise.
- 82700** '#' is now displayed correctly on the phone's screen when a SIP script contains '%23' as a prefix.
- 82682** The phone is now able to establish GSM calls using PSTN connectivity when registered with a Lync server.
- 82482/82373** The extension number is displayed in the missed call list instead of the URI when `callsPerLineKey` is set to 1 and URL dialing is disabled (*applies to VVX 1500*).
- 82476** In a BLF scenario, when the parameter `attendant.behaviors.display.spontaneousCallAppearances.normal` is set to 0, the monitoring phone no longer displays any call-related soft keys on the unified screen.
- 82402** Call Appearance is now displayed on the phone's screen when multiple users monitor the same phones and place simultaneous calls.
- 82371/82363/82005** When the user tries to transfer an active call placed to a BLF-monitored line, the URL dialing screen no longer appears when disabled.

- 82321** The phone now plays the ringtones set to the specific contacts without any issue (*applies to VVX 500*).
- 82287/82203** The phone now displays a "phone is locked" message on the status bar after a reboot when the parameter `voIpProt.SIP.acd.signalingMethod` is set to 1.
- 82286** The phone now displays, all the new phrases and pop-ups in the configured language (*applies to VVX 500*).
- 82227/82755** Establishing multiple calls immediately after a reboot/restart through the ININ server no longer causes any issue on the phone.
- 82224** Scrolling down to the bottom of the long web pages is now optimized (*applies to VVX 500*).
- 82211** An error popup message "Please try again" is now displayed on the phone's screen when the user tries to enable server based "Call Forward No Answer" with ringcount value is set to 1 (*applies to VVX500*).
- 82209** Date and time are now arranged successfully on the phone screen using the parameters `lcl.ml.lang.clock.1.dateTop` and `lcl.datetime.date.dateTop`.
- 82161** All the outgoing unanswered calls via different terminations are now logged in the placed call list without any issue.
- 82160/82073/85194** Answering a call using EHS is now available on the phone when the BLF status is active for any monitored user.
- 82149/82372/82784** In a BLF scenario, setting the parameter `attendant.behaviors.display.spontaneousCallAppearances.normal=0` will no longer display the call appearances of the monitored party on the phone.
- 82139** Answering a call using EHS is now available on the phone when the BLF status is active for any monitored user.
- 82081** The phone now allows the STP traffic from the phone's PC port (*applies to VVX 500*).
- 82075** The phone is now able to park and retrieve the call successfully from the park orbit when the parameters `reg.1.lineKeys` and `reg.1.callsPerLineKey` are set to 1 (*applies to SoundStation IP 7000*).
- 82068/82032/79780** Dialing a feature access code displays '#' character correctly on the phone's screen instead of '%23'.
- 82046** Added support for early media followed by local ring back.
- 82998** USB call recording no longer causes a reboot when the language on the phone is configured as Russian (*applies to VVX 1500*).
- 81912/81913/81914** The provisioning of daisy chained phones has been optimized and is now possible to have different software versions on diferent phones in the chain.
- 81910/81492** In DHCP mode, the phone now clears the released IP address from its menu.
- 81886** In a BLF scenario, the phone no longer displays call appearances of the monitored phones to the hunt group when the parameter `attendant.behaviors.display.spontaneousCallAppearances` is set to 0.
- 81828** In an ACD scenario, the phone stays on the current screen of the user before and after a reSUBSCRIBE.

- 81823** The phone now correctly handles DHCP Inform packet broadcast within the networks without any issue.
- 81639** The phone is now able to handle the bitrate mismatch during a call for G.722.1 codec by setting the parameter `voIpProt.SIP.fmtMustForG7221` to 1.
- 81597** Establishing an outbound call using the 'Click to call' browser plug-in is now working properly and no longer causes a reboot on the phone.
- 81569/84310** Configured ringback tone is now played on the phone without any silence or choppy noise.
- 81557** Guest sign-in now associates all the guest features on the host phone correctly.
- 81554** In a call center scenario, the phone now displays the correct status and soft keys on the phone's screen after a reboot.
- 81549** The phone now sends the "subscribe" message immediately after registration in failover scenarios.
- 81541/81410** In a call center scenario, the guest user is now able to sign out from the host phone in a single attempt when the guest has already signed in and out once.
- 81504** In ACD Hoteling, the phone retains "Wrap-Up" state on REGISTER/SUBSCRIBE.
- 81439/82845** In a call center scenario, the phone no longer displays the Back soft key during an incoming call to an ACD line.
- 81415** "Unauthorized number" pop-up message is displayed for a noticeable period when the user tries to dial out from the phone in the locked state.
- 81396** The phone can now successfully join a multipoint call hosted on Ericson MRFP without a reboot.
- 81327** Changing the static BLF line key configurations on the web interface no longer causes any effect on the configured soft keys.
- 81198** Phone now sends the correct the voice quality session report in SIP publish when the parameter `voIpProt.SIP.sendCompactHdrs` is set to 1
- 81134** The custom soft key action length is now increased to 52.
- 81017** Receiving a PUSH request no longer causes a reboot on the phone when the registered shared line on the phone is used by the second party and second line is off-hook.
- 80921/80748** Pressing the EFK and other soft keys simultaneously no longer causes a reboot on the phone.
- 80805** BLF speed dial contacts no longer disappear from the phone's screen when the local contacts directory is disabled.
- 80776** The applications button on the screen can now be disabled by using the parameter `key.29.function.prim="NULL"`.
- 80578** Enabling the exchange calendar feature no longer causes problems when connecting to the hosted exchange server.
- 80293** "Service Unavailable" message is no longer displayed on the phone's screen when a paging soft key is enabled and then disabled.

- 80125** Quickly pressing ACD Sign-In/Sign-Out keys is now working properly and does not take the phone to the service unavailable state.
- 79950/78140** The phone now updates the correct buddy presence status when the watched buddies are idle for a very long time (*applies to VVX 500*).
- 79846** The phone now retains the server-based DND even after the phone is locked.
- 79827** Local mute is now successfully retained by the phone while creating a three-way conference using PSTN.
- 79826** Pop-ups related to hot dials in a locked state do not cause any effect on the date, time, and other items on the idle screen.
- 79528** Configuring the fifth soft key on the phone will no longer cause a reboot on the phone (*applies to VVX 1500*).
- 79488** Alerting call on BLF no longer causes the custom logo (`bitmap.idleDisplay.name`) to become hidden.
- 79487** In a BLF scenario, the phone retains the soft keys on the idle screen when there is an incoming call for one of the monitored lines.
- 79330** The phone now allows the STP traffic from the phone's PC port.
- 79054** Phone now establishes a three-way conference successfully when the TLS and SRTP are enabled, and the `voIpProt.SIP.conference.address` parameter is set on the Siemens OSV6 server.
- 78998** Quickly double pressing the Hold soft key/button no longer indicates a false "held state" on the phone's screen and LED.
- 78885** Spending a longer time using notification events on the phone will no longer cause any memory leak.
- 78719** Request validation feature is now working properly when the server transport is set to UDP only.
- 78677** The phone now successfully returns to idle state from the microbrowser menu after the idle screen timeout.
- 78648** Performance on the phone microbrowser has been improved.
- 78624** During provisioning, when DHCP fails during a reboot, the phone displays the DHCP failed message on the BootROM menu and does not fetch the software.
- 78495** Timestamp in SIP PUBLISH will now show the call start time and end time information along with dates, as per UTC standards (*applies to SoundPoint IP 650*).
- 78404** The speaker on the phone no longer plays any pop-up sound when trying to increase/decrease the ringer volume.
- 78361** During the phone state polling, when an http request is passed, the call state handler now returns the call line information for all the lines.
- 78342** In a BLF scenario, terminating a placed call to a BLF-monitored party using the speakerphone or headset key is now available on the phone
- 78230** The phone's performance is improved to work optimally in call center environments (*applies to SoundPoint IP 650*).

- 78210** The phone no longer shows the held state on the phone's screen and LED by quickly double pressing the Hold soft key/button.
- 78138** The call list information on the phone is now displayed for 40 seconds when accessed through a soft key (*applies to VVX 1500*).
- 78071** SoundStructure now displays the correct Line label when the user registers a new line for the second time.
- 77878** The phone now includes the Allow-Events header in its 200 OK after auto answering.
- 77877** Missed/received calls are now logged in the respective configured list when the parameters `call.advancedMissedCalls.enabled` and `call.advancedMissedCalls.addToReceivedList` are set.
- 77708** The phone now establishes a video call with the soft client on a Linux host using H.264 video codec without any issue.
- 77674** The phone now sends correct RTP payload in SDP when trying to hold the call with 'Ekiga soft client' (*applies to VVX 1500*).
- 77327** The phone now comes out of the favorite's list menu by pressing the home button only once.
- 77097** The phone's UI is improved and no longer causes any issue when it receives a 486busy response.
- 77029** The phone is now able to handle multiple HTTP PUSH requests at frequent intervals.
- 77024** The phone's LCD screen /pixel display has been improved in multiple scenarios for better user experience (*applies to SoundPoint IP 450*).
- 77313** In different scenarios, incorrect soft key options are no longer displayed on the BLF monitoring phone during an incoming call.
- 76938** Call forward status is now displayed on the status bar of the phone even after a reboot.
- 76769/82121** Calls without SIP DISPLAY INFO are now logged under the missed/received call lists.
- 76741** The second call to the line is now displayed on the phone's screen when there is an existing conference call, and the number of line keys is set to 2 and calls per line key is set to 1.
- 76468** In a Hoteling scenario, the phone now fetches the previous status of the guest after a reboot.
- 76466** Attempting a conference call no longer produces any echo noise on the phone (*applies to SoundStation Duo*).
- 76292** The phone now reduces the external noise in the handsfree mode with better voice quality (*applies to VVX 500*).
- 76184** The phone's screen now successfully returns to the idle screen from the contacts/call lists/favorites/directories after the idle timeout.
- 76148/76149** The phone's user Interface is now optimized for handling call log lists and the dialing screen when the locally saved contacts are greater than 500 (*applies to VVX 500*).
- 76136/76137** The choppy noise is now reduced when the handsfree volume is suddenly increased from minimum to maximum on the VVX 500.
- 76124** The phone can now generate and upload multiple log files without running out of memory on any subsequent restart/reboot.



- 76123** All the buddies added on the phone are now displayed on the phone's home screen by pressing the More soft key (*applies to VVX 1500*).
- 75983** The web user interface of the phone now displays the "Software Upgrade" page without any issue.
- 75783** The phone no longer switches to 'UDP on 401 Unauthorized Response' when the protocol is set to "TCP Preferred".
- 75762** Dialing SIP numbers on the phone containing '\*' or '#' will no longer display the contact in URI format.
- 75699** Playing a media file continuously on the web browser no longer causes any memory issues on the phone.
- 75634** Call forward status is now displayed on the status bar of the phone when Call Forwarding No Answer and Call Forwarding Busy are enabled/disabled by the Broadsoft Feature Access Code.
- 75134** The phone now accepts a URL as server address in the Boot server menu and provisions the phone accordingly.
- 74553** Pressing the DIR soft key on the phone will no longer cause a reboot when the LDAP server is not available (*applies to SoundPoint IP 331 and IP 335*).
- 74549** Plantronics EHS option now gets selected automatically in the phone "HookSwitch mode" menu when the parameter `up.up.analogHeadsetOption` is set to 2 (*applies to SoundPoint IP 331 and IP 335*).
- 73898** Audio quality for the PSTN calls is improved and no longer plays unwanted noise.
- 73426** Multiple issues related to phone lock/unlock are addressed.
- 73396/75333** The idle browser no longer shows "Invalid Hostname" message on the phone's screen after a reboot or restart.
- 72933** The phone's BootROM now supports M-TLS during ZTP provisioning (*applies to VVX 1500*).
- 72599** The phone now updates the time and date correctly for the GMT offsets 1.5, 2.5, and 4.5 when configured to STNP server (*applies to VVX 1500*).
- 70072** "Please try again" pop-up message is now displayed on the phone's screen when the call forward setting is rejected by the server.
- 63452** When URL dialing is disabled on the phone, transferring call initiated by the BLF speed dial key no longer prompts again for the URL.

# 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.

**Table 8: Software Version 4.0.4 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Default</i>	<i>Permitted Values</i>
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.fmtmMustForG7221	0	0 or 1
feature	Added	voIpProt.SDP.offer.rtcpVideoCodec Control	0	0 or 1
feature	Added	tcpIpApp.snmp.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
feature	Added	dialplan.digitmap.timeOut	3 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.

## Understanding 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: 4.0.x Software Updates

Polycom is releasing UC software 4.0.3. Rev B for AT&T only. Please refer to **Error! Not a valid result for table.** for all available software features and updates.

## New or Enhanced Features

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

## Enhanced Capabilities

- 76012** If the server supports, the phone can now join calls from two different BLA lines when the parameter `call.shared.allowJoin=1` is enabled.
- 76154** In a shared line scenario, a conference call kept on hold will no longer display any pseudo image on the phone's UI.
- 77138/83081** The phone is now able to handle change of "event conference states" during transfer/conference.
- 78126/82059/82074/82522** In a shared call scenario, when the first destination is on conference call, attempts to initiate a conference fail on the second destination but are able to retrieve calls on the second destination.
- 79490** In a BLF scenario, going off-hook and on-hook on the monitoring phone using the speakerphone key is now working as expected when the monitored phone is in altering/active state.
- 81141** The phones are now able to use G729 codec successfully for audio transmission when codec is changed to G729 from default G711 (*applies to SoundPoint IP 321/331*).
- 81325** New Call soft key is now displayed on the phone along with Resume and Dir soft keys when the remote party holds a call on a shared line (*applies to SoundStation IP 7000*).
- 82144** The phone no longer displays the server address in the caller ID when it is trying to resume a remotely held call on a shared line (*applies to SoundPoint IP 650*).
- 81551/82145** The phone is now able to host 4-way conference call (*applies to SoundPoint IP 650*).
- 82032** The phone's UI now displays '#' correctly when the user tries to dial out a feature access code.
- 82117** User is able to pick up the hold call when he/she accidentally seizes both the lines (*applies to SoundPoint IP 331/335*).
- 82142** A reorder tone is now played on the second phone when more than one user tries to resume a held call on a shared registration.
- 82233** When there is a hold call, phone can now handle quick conference soft key presses on a shared line.
- 82365** When the user tries to transfer an active call placed to a BLF-monitored line, the URL dialing screen no longer appears when disabled.

- 82366/82364** In a BLF scenario, setting the parameter `attendant.behaviors.display.spontaneousCallAppearances.normal=0` will no longer display the call appearances of the monitored party on the phone (*applies to VVX 500*).
- 82394** The phone displays Transfer and Conference soft keys on an active call when it uses a share registration and the parameters `reg.x.lineKeys=2`, `reg.x.callsperlinekey=1` are set.
- 82482** The extension number in the missed call list is now displayed instead of the URI when `callsPerLineKey` is set to 1 and URL dialing is disabled (*applies to VVX 1500*).
- 82823** A pop-up message “Cannot join calls from different lines” is now displayed on the phone’s UI when a user attempts to join calls from two different private lines.
- 83078** The phone’s performance has been improved to handle multiple client applications without a reboot (*applies to SoundPoint IP 670*).
- 83453** In a shared call scenario, the phone comes out from the transfer screen successfully when the second user picks the call at the same time (*applies to SoundStation Duo*).

## Understanding 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.

## Enhanced Capabilities

- 81883** The phones no longer detect a touchscreen press when none occurs, known as a false touch (*applies to VVX 500*).

## Configuration File Enhancements

There are no changes to the configuration file parameters.

# Understanding 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.

## Enhanced Capabilities

**81879** The SoundPoint IP microbrowser is now capable of playing audio files completely.

**81774** A 3 way conference can now be established from a transferred call on a shared line.

**77579/81720/80724/80517** The phone can now receive HTTP Push URI notifications without affecting the microbrowser.

**81463/81434** Improved stability and connection usage on the SoundPoint IP microbrowser.

**81436/80976/78493** Added stability enhancements to the SoundPoint IP microbrowser when using the <audio> tag.

**81374** In a call center setup, the agent state is updated on the status bar accordingly when the state is set to “unavailable” (*applies to VVX 500*).

**81311/76468** In Premium ACD, the Call Agent state is “Available” regardless of the reregistration.

**81131** Pressing the release hard key on the phone now exits from the phone microbrowser after playing voicemail (*applies to SoundStation IP 7000*).

**80979** Text overlapping when using <audio> tags is now rectified.

**80852** The phone touch screen responsiveness has been improved (*applies to VVX 1500*).

**80718** The phone now advertises its mode as “audio only” or “audio/Video” (using `audioVideoToggle.enabled`) correctly when participating in a transfer.

**79723** The phone now plays 183 early media and 180 local ringback independently one after the other.

**79673/79242** The phones are now able to provision (and register) while pointing to server cluster using SIP TLS.

**79171** Increased the maximum length of single dial plan from 40 characters to 64 characters.

**79063** Improved the buddy watch presence status on VVX 500 phones.

- 79021** Resolved the issue of connecting a 2.5mm cable to the phone PC/Mobile port during an active call (*applies to SoundStation Duo*).
- 78493/78940** Custom soft keys on the SoundPoint IP microbrowser now work as expected.
- 78902** Problems with dynamic codec switching during an active call have been resolved.
- 78537** The phone can handle concurrent key presses of the soft keys, such as “transfer” and “conference”, when the parameter `callsperLinekeys` is set to 1.
- 78377** The phone maintains the correct presence information when the call is split in BLA/SCA scenarios.
- 78210** The UI and LED states are maintained correctly when the hold soft key/button is pressed quickly.
- 78198** Performance of the phone microbrowser and directory search has improved significantly (*applies to VVX 1500*).
- 78139** When the parameter `VoIpport.sip.header.warning.enable` is set to 1, the display duration of SIP warning pop-up messages has increased from 1 second to 3 seconds.
- 77952** The phone is able to process additional content that is displayed on the browser when the source is running Java script (*applies to VVX 500 and VVX 1500*).
- 77878** The phone now includes the Allow-Events header in its 200 OK after auto answering.
- 77505** In a conference, the phone now includes SAVP in the invite SDP when using SRTP.
- 77363** The phone is now capable of handling an increased number of contacts (around 50) under its buddy watch presence list (*applies to VVX 500*).
- 77287** The usage of table element in the phone microbrowser is now handled appropriately.
- 77192** The line identification address can now handle “+” sign when adding a line using phone web browser.
- 76985** Dial tone issues have been fixed for PSTN calls and the configured country is the UK (*applies to SoundStation Duo*).
- 76936** The number of rings set for the “call forward no answer” option is now persistent when enabled/disabled.
- 74823** The phone ringtone type “Loud ringer” volume is improved.

## 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.

**Table 9: Software Version 4.0.3 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Modification Description</i>
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.

## Understanding 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.

### Enhanced Capabilities

- 73667** The syslog counter on the SpectraLink 8400 phones are updated accordingly when audio packets are received.
- 75557** On the web interface of the phone, the logging module parameter Wi-Fi Manager log value is updated in the field help section when the mouse is over parameter name as well as its value as (*applies to SpectraLink 8400*).
- 76057** When a phone is registered with a single shared line, the Join soft key is no longer displayed inappropriately when the monitored phone puts the call on hold.
- 76084** In a shared BLF line scenario, the monitoring phone no longer resumes the call from the monitored phone without playing any busy tone.
- 76095** In a shared BLF line scenario, phone now displays the incoming call status of the monitored phone (*applies to VVX 500*).
- 76131** The phone default call appearance eliminates the display of remote on hold calls (*applies to VVX 500*).

- 76321/76515** The phone does not reboot when multiple URI's are pushed to the phone in frequent intervals. (*Customer issue ID VESC-1635, VESC-1650*).
- 76427** The phone displays only the incoming call received from a line that is also being monitored using BLF (used to display this as two calls in the list) (*applies to VVX 500*).
- 76467** Improved Call list display for caller ID with long names (*applies to VVX 1500*).
- 76591** The phones display the correct Asian language fonts for the Lync contacts.
- 76679** Unauthorized request for configuration files using phone web interface is now restricted.
- 76754** The Filtered call view of a BLF-monitored line is shown properly when the phone is in off-hook state.
- 76862** During an active BLF call session, frequent pressing of the BLF key on the origination phone no longer causes the caller ID information to be blanked out.
- 76889** The PPT key can now be configured as a Speed dial key on the SpectraLink 8400 phones.
- 76911** The dialer screen UI on the phone is refreshed when an incoming ringing call is terminated.
- 76934** On-hook dialing work as expected when the phone has an incoming call and the remote party ends the call.
- 76939** The phone highlights the last incoming call as per the order in call appearance screen (*applies to VVX 500*).
- 76940** Incorrect soft key options no longer displayed on the BLF monitoring phone when there is an incoming call in certain scenarios.
- 76944** Auto Answer now works correctly when alert information header carrying the string within the angle brackets '< >' is received.
- 76946** The phone current draw is optimized as per its state (*applies to SpectraLink 8400*).
- 76947** The audio/ sound effect termination is always on the dock station when there is an active call on the phone (*applies to SpectraLink 8400*).
- 76949** The browser application on the phone times out as expected (*applies to SpectraLink 8400*).
- 76976** The phone no longer inadvertently goes off-hook on line1 instead of line2 when the user presses the second line key while lifting the handset with call hold on line1.
- 77099** Manual configuration of the IP address no longer causes a "network is down" message to be displayed (*applies to SoundStation IP 6000, 7000*).
- 77135** Addressed some Directed call pickup failures in certain situations.
- 77173** Turning the backlight OFF on the phone no longer sends the browser to the session list (*applies to SpectraLink 8400*).
- 77226** When the phone is registered to a Lync line and another call server, the Lync contact presence subscription is now correctly sent through the Lync registered line.
- 77363** Addressed and issue that could cause a reboot when the user has many buddy contacts configured (*applies to VVX 500*). (*Customer issue ID VESC-1763*)
- 77396** Addressed a phone reboot issue in a certain ACD/call center configuration (Found in UC software 3.3.2).



- 77549** Addressed an issue relating to use of the 'Join' key which was displayed even when only one call was in progress (*applies to SoundPoint IP 33x, SoundStation Duo and Spectralink 8400 models*).
- 77626** Two way audio between the phones is now working as expected after resuming the call from MOH when `voIpProt.SIP.musicOnHold.uri` or `reg.X.musicOnHold.uri` is used for the address of the MoH server.
- 77749** The registration failing issue with Lync server front end due to error in Subject Alternative Name (SAN) validation implementation is addressed.
- 77830** Addressed an issue where when the phone is configured with certain languages options, attempting to select LLDP or CDP using Ethernet caused a reboot (*applies to SoundStation IP 6000*).

## 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.

**Table 10: Software Version 4.0.2 Rev B – Configuration File Parameter Enhancements**

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Modification Description</i>
Wireless	Added	<code>device.dhcp.releaseOnLinkRecovery</code>	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.

## Understanding 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.

## Enhanced Capabilities

- 69469** The display name with special character < or > causes phones to respond with a bad request.
- 73614** An unintentional touch on the phone initiates a call automatically (*applies to VVX 500*).
- 73946** On the Trapeze/Juniper infrastructure, when multiple SpectraLink phones are involved in a call, one or more phones may lose wireless connectivity.
- 74292** The Bluetooth radio can now be activated on SpectraLink 8400 phones.
- 74427** On a redirected call, the phone now sends a PRACK (acknowledgement) message.
- 75299** The dial pad key presses are now captured when hot dialing from the idle browser screen (*applies to VVX 500*).
- 75419** The ADHOC conference call now works when there is a + sign, for example, SIP:voip+world@voipworld.com in the Sip URI contact header.
- 75632** Slowness in dialing with large number of contacts on the phone is resolved (*applies to VVX 500*).
- 75686** The up and down arrow keys are now available on the phone during call transfer (*applies to SoundPoint IP 450*).
- 75726/75716** The phone numbers dialed using the auto complete remembers the line info on which the calls are placed earlier (*applies to SpectraLink 8400, VVX 500 and VVX 1500*).
- 75811** Reassigning the line keys preserves the presence information.
- 75888** A scrolling status message is now displayed when a line is unregistered on the phone.
- 75945** When the phone is off hook, auto dialing remember the line information (*applies to SpectraLink 8400, VVX 500, and VVX 1500*).
- 75954** The overlap of idle browser on the call list screen is now set (*applies to VVX 1500*).
- 75949/76258** The SoundStation Duo phone complies with clause 5.5.1.4.1 of Australian spec S002 of the Australian analog telephony specification as per clause 5.5.1.4.1 of Australian spec S002.
- 76141** The call lists on the VVX 1500 phone get updated as required.
- 76171** The phone no longer continuously reboots on reassignment of the line keys.
- 76229** A break down observed on the phone monitoring a BLF contact is now fixed. (*Customer issue ID VESC-1670*)
- 76315** The pop-up message “Error Line: Unregistered” will no longer appear as a result of an absence of a register request.
- 76316** The default hookflash timing is set on the SoundStation Duo when the country is set to Australia.
- 76329** Soft keys on the VVX 500 are now responsive to touch.
- 76376** An unregistered pop-up no longer appears the on SoundStation Duo in PSTN mode.
- 76379** Double quotes appended to the calling party display name on a shared line are now removed.
- 76408** Shared lines will continue to ring when another phone with the same shared line answers an incoming call on another line appearance.
- 76420** After reboot, the phone will correctly display incoming calls of a monitored BLF contact even on the first call.

- 76422** All the incoming call appearances on a BLF-monitored phone are displayed when the monitoring phone cancels the call to the BLF contact.
- 76423** In a BLF-monitored scenario, multiple calls to a monitored phone display the incoming call appearance and call counter appropriately.
- 76428** The phone will properly display incoming call appearance after terminating a call on phone using the End Call soft key.
- 76535** The phone will now correctly display a warning icon and a pop-up message for unregistered H.323 lines (*applies to VVX 1500*).
- 76600** The blank call appearance on the monitoring BLF-enabled phone is set.
- 76601/76685** In a multi-party BLF-enabled call, the widget displaying the call appearance, counter, icons, and the indicator is updated with the appropriate incoming and outgoing call status.
- 76690** The phone now functions normally with the call appearance of the monitored BLF contacts.
- 76694** The phone will no longer crash when a monitored line ends the call that is associated with the remote call appearance screen.
- 76838** On a PSTN line the invocation of redial is restricted by pressing the # key after entering the digits (*applies to SoundStation Duo*).
- 76849** On a PSTN line pressing the # key is now restricted to send the dialed number only once (*applies to SoundStation Duo*).
- 76875** The phone now picks up the call forwarding settings from the override file after a reboot.

## Configuration File Enhancements

Refer to the following table for a list of new parameters. Note that these configuration parameters are detailed in *Feature Profile 76179: Hoteling and ACD*, which will be made available on [Polycom Profiled UC Software Features](#).

**Table 11: Software Version 4.0.2 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Modification Description</i>
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 sip.ld files in the software release package.

## Understanding 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, 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 SS RTP.
- 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, 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.handsetfree.rxag.SL8440=10`, then updating the phone using Update Configuration does not cause the phone to restart (*applies to SpectraLink 84xx*).

## Enhanced Capabilities

**55237** Dialing a semicolon using on-hook dialing no longer displays the off-hook dialing dialog (*applies to VVX 1500*).

**61038** The phone no longer becomes unresponsive to hard key and touch screen presses for several seconds (*applies to VVX 1500 phones provisioned with CMA using UC software 3.3.1*).

**66864** Using a dial plan containing #, when a user dials #1#2#, the phone now sends out an invite message containing %231%232%23 (*applies to SoundStation Duo*).

**68356** The phones can now fragment packets when instructed to by an ICMP message (*applies to SoundStation IP 6000 and 7000*).

**68501** When using Exchange Calendaring, the passcode now enters automatically (*applies to SpectraLink 84xx*).

- 68835** The phone can now properly sniff EAP type frames (*applies to VVX 1500*).
- 69020** SoundPoint IP phones, capable of downloading fonts, now correctly display certain Czech characters.
- 69540** A call dropped by the other party no longer displays as a held call.
- 69558** An Avaya 10x0 and a VVX 1500 can successfully establish a video call.
- 69882** In PSTN only mode, a received call is now recorded in the *Received Calls* call list when the call is finished (*applies to SoundStation Duo*).
- 69883** In PSTN only mode, an incoming call is now recorded in the *Missed Calls* call list when the call is not answered (*applies to SoundStation Duo*).
- 70228** Phone no longer reboots when attempting a conference using an SCA line (*applies to SoundPoint 321, 331*).
- 70542** The registered line icon and BLF icon are no longer corrupted in the SpectraLink 84xx handsets.
- 70944** A dialed number no longer overwrites a registered line's label if the label is very long (*all SoundStation phones*).
- 71041** Phones can now play audio from the Lync voicemail system (*applies to SpectraLink 84xx*).
- 71348** Calls between a VVX and RMX no longer cause the VVX to crash and reboot.
- 71368** Remote shared line activity no longer affects local phone presence.
- 71433** Phones crash after loading `se.pat.callProg.dialTone` parameters and pressing the New Call button (*applies to SoundPoint IP 450, 650, and SpectraLink 84xx*).
- 71604** The configuration parameter `sec.TLS.SIP.strictCertCommonNameValidation` can be updated without requiring a phone reboot.
- 71616** The conference feature can now properly handle a 480 response to a BroadSoft SCA line seize SUBSCRIBE.
- 71763** Phone no longer sends a re-INVITE to the conference server after sending a REFER for each leg of the conference (*applies to SoundPoint 321, 331*).
- 71764** Sennheiser and Jabra headsets can now go off-hook after switching to a different headset type (*applies to SoundPoint IP 335, 450, 550, 650*).
- 71802** Warning icons and records are now removed after the error condition is removed (*applies to all SoundPoint IP*).
- 71829** An EFK has been created to display the corporate directory Advanced Find menu from the idle screen (*applies to VVX 1500*).
- 71910** The text 'Enter password' in the Advanced menu is now translated when switching phone languages.
- 72113** The Polycom Quick Barcode Connector icon now appears and disappears for both multiple and single endpoint modes (*applies to SpectraLink 84xx*).
- 72250** The phone no longer reboots when queued messages are accessed on the phone (*applies to SpectraLink 84xx*).

- 72368** URL Dialing from the call list is now fully disabled when `feature.urlDialing.enabled=0` (*applies to SpectraLink 84xx*).
- 72442** The SoundPoint IP 321 and 331 phones now display the correct call x/y widget when `filterReflectedBlaDialogs=0`.
- 72298** The Join soft key is no longer missing after establishing the maximum number of calls on all the lines using when using a Sylanro call server (*applies to SoundPoint IP 650 and VVX 1500*).
- 72469** When `feature.urlDialing.enabled` is set to 0, the phone accepts contact entries with a contact number longer than 10 digits (*applies to SpectraLink 84xx*).
- 72739** The phones can now play the audio files using the microbrowser (*applies to all SoundStation phones*).
- 72800** Lines registered to a Microsoft Lync 2010 server now display in the Ring Type menu (Menu > Settings > Basic > Ring Type).
- 72820** The VVX 1500 phone can be registered with up to 29 lines, but a max of 24 can be displayed.
- 72822** Phone no longer gets into a bad state (which required an auto-reboot) upon receiving two consecutive 401 to a line-seize SUBSCRIBE during conference initiation.
- 72837** The speed dial icon no longer disappears after a Reset Local Config or Reset Web Config option is selected (*applies to SoundPoint IP 321, 331, 331C, 335, 335C*).
- 72895** The phone override file is no longer created on the provisioning server when values are not changed through the phone (*applies to VVX 1500*).
- 72907** Improved the phone's conference call management when a cell phone is connected to the 2.5mm port (*applies to SoundStation Duo and SoundStation IP 7000*).
- 72961** Bellcore Caller ID detection in PSTN mode works reliably now (*applies to SoundStation Duo*).
- 72996** A conference call between three parties now successfully connect all parties after there is a no response to line seize SUBSCRIBE.
- 73027** A Plantronics Savi740 EHS headset no longer has intermittent pairing issues with a VVX 1500.
- 73054** Call appearances are now displayed correctly when pressing the New Call soft key while there is an incoming call (*applies to SoundStation Duo*).
- 73084** Key in Keypad Diagnostics menu is now translated on SoundPoint IP 321, 331, and 335 phones for all languages.
- 73145** Regulatory Domain Error when radio set to 802.11a and band1 is set to P6 (*applies to SpectraLink 84xx*).
- 73153** Hot dial window now disappears after auto answering a call (*applies to SoundPoint IP 450, 650*).
- 73183** Phone now displays the error message "Network link is down" when the DHCP server is down (*applies to SoundPoint IP 335, 450, 560, 670*).
- 73195** The bootloader menu for WEP has the correct spelling of Encryption (*applies to SpectraLink 84xx*).
- 73227** The phone UI now displays the proper network parameters such as IP address, subnet mask, and IP gateway when DHCP is enabled (*applies to SoundStation Duo*).



- 73238** Changing the options in the directory search, then logging into the phone no longer causes the phone to restart (*applies to SoundPoint IP 321, 331, 331C, 335, 335C*).
- 73247/74912** In the Quick Setup menu, user entry fields are now set to numeric as default.
- 73259** Simultaneous incoming and monitored BLF calls are now both displayed on the unified call appearance list (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 73263** Ending a PTT or page no longer causes the active call appearance to disappear for 10 seconds (*applies to SoundPoint IP 450, 550, 560, 650, 670*).
- 73264** A phantom call appearance no longer displays when there is an active BLF-monitored call and the phone has another call appearance.
- 73290** The User Profiles Log In soft key is no longer missing when the feature presence is enabled (*applies to SoundPoint IP 670*).
- 73401/74688** With intercom configured, the handset now rings once and incoming calls are answered automatically (*applies to SpectraLink 84xx*).
- 73405** The Missed Calls list no longer displays on a peer shared line if the call was barged in from a remote shared line (*applies to SoundPoint IP 321, 331, and 335*).
- 73409** In the Web Configuration Utility, all instances of the text 'extension module' have been replaced with 'expansion module'.
- 73419** When the IP 670 is configured for 34 lines using three expansion modules, a large contact directory, LDAP, idle browser, and a microbrowser, it no longer crashes due to a lack of memory.
- 73459** The User Profiles feature is now fully supported on the SoundStation Duo.
- 73527** If barge-in is enabled on a shared line, remote active calls will not appear.
- 73561** When using the Web Configuration Utility, the phone now updates the line key icons properly when static BLF is configured (*applies to SoundPoint IP 450, 550, and 650*).
- 73697** The flash timing is now correct for France and Singapore (*applies to SoundStation Duo*).
- 73749** Plugging in (or in and out) a 2.5mm mobile phone or PC cable no longer causes the phone to reboot (*applies to SoundStation Duo*).
- 73910** The phone's LCD contrast no longer turns darker after upgrading to UC software 4.0.0 (*applies to SoundPoint IP 450*).
- 74018** The phone no longer locks up and reboots when there are a large number of incoming calls (*applies to SoundPoint IP 650*).
- 74045** The phone can now boot up to the idle screen properly after being issued a check sync to enable the paging feature soft key.
- 74050** Phone no longer segfaults on boot due to language dictionary files (*applies to all SoundPoint IP*).
- 74060** OAI PT Select Connections are now accepted by phone before an OAI call is answered by the Start key (*applies to SpectraLink 84xx*).
- 74167** In the Web Configuration Utility, the authentication password can no longer be seen in clear text when opening the line page source code.
- 74259** In PSTN mode, the phone now displays the date and time information on the idle screen after a reboot (*applies to SoundStation Duo*).

- 74431** Phone no longer generates a beep sound when a monitored user goes off-hook (*applies to SoundPoint 650*).
- 74956** Phone will no longer go into an INVITE loop and reboot if it receives a 503 response to its initial INVITE message (*applies to all SoundPoint IP*).
- 74991** A call between a VVX 1500 and CX series phone can now be properly resumed after it has been held for longer than 30 seconds.
- 75151** Audio files are now directly downloaded to the ramdisk.
- 75194** The phones now use an outbound proxy when an outgoing call's URI domain is different from the caller's domain.
- 75334** Fail over on a 503 response can now be disabled.
- 75458** The maximum values for the DNS TTL parameters in the static cache have changed to 2147483647.
- 75485** The default input type for the Unavailable Code field is now numeric.
- 75491** Ampersand characters are now escaped properly and are no longer being stripped off of a URL (*applies to VVX 500, 1500*).
- 75743** The Voice Quality monitoring feature now uses an outbound proxy server address for a SIP Publish.
- 75600** The call appearance for an outgoing call no longer displays the *transport* string.
- 75618** Users can now place a call from the Placed Calls call list when the original call was placed using a "Click-To-Dial Refer" message with Refer-To: header as sip:*number* ext. *number* @*IPaddress*; transport=TCP (*applies to SpectraLink 84xx*).

## Configuration File Enhancements

Refer to [Table 12: Software Version 4.0.1 – Configuration File Parameter Enhancements](#) 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](#).

**Table 12: Software Version 4.0.1 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Modification Description</i>
sip-interop	Added	call.transfer.blindPreferred	Call feature parameter
debug	Added	feature.lyncDebug	Call feature parameter

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Modification Description</i>
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.encrypted.upload. callLists	Security parameter
sip-interop	Added	sec.srtp.mki.length	Security parameter
sip-interop	Added	sec.srtp.padRtpToFourByte Alignment	Security parameter
reg-advanced, site	Added	up.headset.phoneVolumeControl	User preferences parameter
debug	Added	up.headset.AlwaysUseIntrinsic Ringer	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.usb Headset	Audio parameter
sip-interop	Added	voIpProt.SIP.conference. parallelRefer	Call feature parameter
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

<i>File</i>	<i>Modification</i>	<i>Parameter</i>	<i>Modification Description</i>
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).

# Understanding 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.

## Enhanced Capabilities

- 31158** Instant messages can now be sent if `msg.bypassInstantMessage=1`. The phone menu will no longer be bypassed after pressing the Messages button.
- 38407** After reboot, the phones now transmit a TCP message to the outbound proxy address.
- 39249** Distortion on sound from a gateway call back has been removed (*applies to SoundPoint IP 330, 550, 560, and 650*).
- 40103** The file name of a file copied to a full USB stick full no longer displays (*applies to SoundPoint IP 650 and 670*).
- 40393** The backlight adjustment has been adjusted to work correctly when the incoming call times out.
- 41662** The buzzing sound heard on the far end user in handsfree mode when a call is answered while ringing has been removed (*applies to SoundPoint IP 550, 650, and 670*).

- 41897** The sound heard on the phone when attempting to cancel a conference or transfer has been removed.
- 42427** On the phone microbrowser, the thin line over the data field has been removed.
- 42442** The Select hard key has been made functional in the speed dial menu (*applies to SoundPoint IP 330*).
- 43822** When there is an active call, the backlight now adjusts properly.
- 43846** The menu widget now scales to the correct size of the menu (*applies to SpectraLink 84xx*).
- 43864** The soft key, line key and status widgets can now be scaled (*applies to SpectraLink 84xx*).
- 44981** The phone now seizes the correct line for speed dial when  
`call.stickyAutoLineSeize.onHookDialing=1`.
- 45411** The SoundPoint IP 550 and 650 speaker phone volume can now be adjusted via gain settings for Rx audio.
- 45806** An unsupported format message no longer appears when trying to play a short WAV file.
- 45889** Lighten and Darken soft keys now display for the selected background image only in the Background menu (*applies to SoundPoint IP 450, 550, 560, and 650*).
- 45900** The time and date now display on the multiple call appearances screen (*applies to SoundPoint IP 450*).
- 46134** The phones now play a default ringtone when the ringtone size is larger than the tone quota or the ringtone is not in the cache.
- 46170** On the phone menu, the Local Directory or Corporate Directory cursor can now reach the end of the highlighting bar (*applies to SoundPoint IP 450*).
- 46773** On the microbrowser, the backspace soft key is now made available when the user enters a character to the input box (*applies to SoundPoint IP 320, 330, 430, and 450*).
- 48153** In the phone menu password settings, deleting a character before the character timeout now clears the last asterisk symbol.
- 48217** When `ramdisk.nBlocks=0` is set, `ramdisk.nBlocks` no longer consumes extraneous memory.
- 48753** The XML dictionary download no longer fails when the dictionary file size exceeds the defined size.
- 50234** The phone no longer crashes while starting a native application (*applies to SpectraLink 84xx*).
- 50633** When the user enters text for a contact in the Contact Directory, the backspace soft key now appears before the character selection widget for the first character has closed (*applies to SoundPoint IP 330 and 331*).
- 50735** After a conference call, redial now dials the last dialed number (*applies to SoundPoint IP 330 and 335*).
- 50745** Pressing the hookswitch toggle quickly no longer creates a phone and headset mismatch.
- 50766** During a save confirmation screen, if there is a missed call, the contact can now be saved. (*SoundPoint IP 330, 331, and 335*).



- 50788** When the user tries to play a recorded audio file from Menu/Status/Diagnostics/Test Hardware/Audio Diagnostics on different termination points (Handsfree / Headset / Handset), the icons are now updated (*applies to SoundPoint IP 450*).
- 50972** SIP call format is no longer missing for URL dialing (*applies to SoundPoint IP 330 and 335*).
- 51238** In the Install Custom CA Certificate menu on the phone, the 1/A/a soft key is no longer missing (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 51301** A loud ring has been removed from the speaker when canceling a conference call or switching between calls.
- 51493** When call forward is enabled on the second registered line, phones now display the text string Call Forward Enabled on the top of the UI (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 51751** When there are multiple calls waiting, dropping one remote party now plays the call waiting ring on the originating phone.
- 51767** The phone no longer crashes when trying to add a large number of contacts.
- 51930** The phone now shows *Connecting:* instead of *Transfer to:* on the top UI when initiating a transfer (*applies to SoundPoint IP 330 and 335*).
- 51994** When the contact is highlighted in the Contact Directory, pressing the character selection widget no longer erases the highlight bar (*applies to SoundPoint IP 330, 331, and 335*).
- 51996** Trying to dial an invalid speed dial number no longer causes slight corruption in the phone UI (*applies to SoundPoint IP 330, 331, and 335*).
- 52006** The call waiting tone no longer changes to a single beep when a double beep is configured on the phone.
- 52007** When a call is automatically disconnected at the far end phone after time out, the current active call no longer goes on hold inadvertently.
- 52103** The phones no longer display the first line label in scrolling status bar when it is visible (*applies to SoundPoint IP 330, 331, and 335*).
- 52112** In the phone Contact Directory menu, when the 1/A/a soft key is pressed to change the capitalization of the letters, the encoding no longer resets to ASCII (*applies to SoundPoint IP 450, 560, and 670*).
- 52219** In the phone Audio Diagnostics Menu, pressing the left arrow to exit now restores the previously selected termination state (*applies to SoundPoint IP 450, 560, and 670*).
- 52270** Backlight values now match the phone menu option and override file parameters.
- 52276** When a call is answered automatically while a recorded WAV file is playing the audio player screen now exits properly (*applies to SoundPoint IP 650*).
- 52380** When the phone lines are configured to call server and presence server respectively, the presence information now displays on the first line as well as the presence line.
- 52489** Character encoding is no longer available while entering the contact information in the contact directory (*applies to SoundPoint IP 430, 550, 650, and 670*).
- 52552** The momentarily observed UI corruption/flickering during an incoming call with a long caller ID has been resolved (*applies to SoundPoint IP 330, 331, and 335*).

- 52560** Menu titles now fit in the phone UI (*applies to SoundPoint IP 330, 331, and 335*).
- 52688** Enhanced the `mb.main.idleTimeout` parameter behavior.
- 52692** The character entry mode now shows consistently when entering passwords in the phone menu (*applies to SoundPoint IP 450, 560, and 670*).
- 52734** The password field now clears after entering an invalid password (*applies to SoundPoint IP 330, 331, and 335*).
- 52766** The speaker/headset key LED no longer remains ON when the active call is on hold while there is an incoming call on the same line (*applies to SoundPoint IP 550, 560, 650, and 670*).
- 52789** The phone settings menu now has an appropriate label for the menu item in Handsfree Mode.
- 52917** In the phone Install Custom CA Cert menu, the character selection widget no longer remains visible when closed (*applies to SoundPoint IP 330, 331, and 335*).
- 52920** When a custom CA cert URL is unreachable, an appropriate message now displays on the phone.
- 52945** Inappropriate characters no longer display in the quick search menu (*applies to SoundPoint IP 330, 331, and 335*).
- 52948** When long text is entered in the quick search menu, the text now moves forward and displays the last character (*applies to SoundPoint IP 330, 331, and 335*).
- 53055** When composing a new instant message, and if there is a new incoming instant message, the UI no longer becomes corrupted (*applies to SoundPoint IP 560 and 670*).
- 53101** VQMon values displayed on the SQmediator are now the same as the single SIP-Publish packet values.
- 53138** Instant messaging strings now have spaces in between words in all instances.
- 53142** Extra spaces at the beginning and end of the phone labels have been removed.
- 53235** Extra spaces in the phone exit menu have been removed.
- 54147** The phone conference screen titles are no longer truncated when using certain languages (*applies to SoundPoint IP 330, 331, and 335*).
- 54449** The phone no longer displays an error message when trying to edit a long contact number.
- 54553** When the user tries to use two lines to dial, the user no longer sees a scrolling message instead of Enter Number text (*applies to SoundPoint IP 450, 650, and 670*).
- 54913** In a BLF scenario, when the monitored phone places a call to another phone, the Dialog Event Package no longer contains repeated remote identity when its INVITE has received an initial 407 or 401 response.
- 55639** When the enhanced BLF feature is enabled on an active call, the call state no longer changes in the call appearance for monitored users (*applies to SoundPoint IP 650*).
- 55655** Pressing the message hard key now leads the user to voicemail (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 55669** When the phone is configured as TCP only, and the phone receives a REFER in UDP, the phone now sends an INVITE in TCP.

- 55681** When transport is set to TCP, Refer-Based Click-To-Dial now works when the phone has an active call.
- 55852** When the phone is in the setup menu, pressing \* key now always moves a page up (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 55957** When the BLF feature is enabled, the remote call appearance screen now properly times out and does not wait until the call is ended by the monitored user.
- 57538** In the phone menus, field names no longer truncate when the user tries to make edits (*applies to SpectraLink 84xx*).
- 57625** Applications are now loading as per the order specified (*applies to SpectraLink 84xx*).
- 58860** When the forward feature is enabled, the number of rings set now matches the actual ring cadences.
- 59086** When the phone is configured to an external server like CMA, the phone clock format (12hrs – 24hrs) does not get affected until the phone reboots.
- 59202** When the phone loses an active call on hold, pressing resume no longer drops the call.
- 59285** The phone no longer shows a delete (<<) soft key when there are no numbers to delete (*applies to SoundPoint IP 330, 331, and 335*).
- 59355** The phone no longer logs error messages when it is unable to connect to any of the telephony notification URLs.
- 59463** When using the phone's Web configuration, the phone no longer restarts when updating telephony notification event or URL.
- 59478** In the phone digit map, segments longer than 40 characters no longer truncated to 40 when applied.
- 61100** Added the ability to override complex audio codec instance count definition for each individual codec type.
- 61553** The phone no longer crashes when trying to split a conference service which is unavailable.
- 63190** The macro \$FServerACDSignIn\$ now works when configuring the soft key using EFK to exercise the `ServerACDSignIn` function.
- 63582** The excessively long boot time resulting from FTP errors and failures has been noticeably decreased (*applies to SpectraLink 84xx*).
- 64389** Added the ability to set the correct TLS Profile using the Updater and/or Application UI menus.
- 64455** There is no longer a delay between the time the Push URL is sent to the phone and the time it takes the browser to execute the fetch URL (*applies to SpectraLink 84xx*).
- 64464** The phones no longer wait to auth/re-associate to AP until AP starts the full security exchange (*applies to SpectraLink 84xx*).
- 64693** The payload settings specified by the phone are now used by the receiving phone.
- 64932** When the server side Call Forward No Answer (CFNA) is enabled, the user no longer has the option to select the number of rings on the local phone.
- 65081** The user is now able to navigate on the phone menus having select options available (*applies to SpectraLink 84xx*).

- 65082** The radio performance has been improved to reduce the reported number of missed packets and high retry rates (*applies to SpectraLink 84xx*).
- 65255** Selected options on the menus no longer disappear when selected from the phone navigation right hard key (*applies to SpectraLink 84xx*).
- 65275** When persistence login is enabled for default, the user log out no longer reboots the phone.
- 65309** Incorrect soft key options no longer show up when certain selections are invoked in the menu/UI (*applies to SpectraLink 84xx*).
- 65337** The phones now provision correctly via HTTPS.
- 65622** In case of emergency failover, the correct information with Invite request is routed (*applies to SoundPoint IP 450, 650, and 335*).
- 66582** In the quick setup menu, the unwanted Ok soft key no longer appears while changing the Boot server options (*applies to SpectraLink 84xx*).
- 66975** The voicemail icon now displays when there is a voicemail notification on the phone (*applies to SpectraLink 84xx*).
- 67928** In the phone buddy list, the pop-up message “Contact already exists” has been resolved.
- 68345** The phone dial pad keys now wake/light up when the phone comes back from the power save mode (*applies to SpectraLink 84xx*).
- 68533** A reboot is no longer necessary to change the parameter `voIpProt.SIP.conference.address` in the configuration files.
- 69372** During an IM chat session, the phone now displays all messages using the same quick note string (*applies to SpectraLink 84xx*).
- 69373** When provisioning TLS applications, the CommonName of a server certificate is now configurable with the new configuration option.
- 69374** User interface changes have been made in the Application menu and BootROM menu for SIP and Provisioning applications respectively to make CommonName configurable.
- 69929** When the BLF feature is enabled, the monitored BLF line status now updates as busy after the attendant phone transfers a call to that line (*applies to SoundPoint IP 650*).
- 69965** When the soft key is configured with capital HTTP in the URL, it no longer tries to dial instead of using the phone microbrowser.
- 70258** Resetting the phone to factory settings no longer clears the password (*applies to SpectraLink 84xx*).
- 70458** Text on the input fields and soft keys are now properly displayed.
- 70547** Download Custom CA Cert screen now disappears after saving a certificate (*applies to all SoundPoint IP*).
- 70633** The phone no longer mishandles 403 responses to first REFER sent to phone to centralized conference server.
- 70732** The links on the microbrowser page are no longer hidden when the links are highlighted and moves to another link.

- 70908** When using user profiles, the phone no longer powers off at the user login prompt (*applies to SpectraLink 84xx*).
- 71046** When the phone is in a conference call and a roaming attempt is made, the access point no longer rejects the reassociation request (*applies to SpectraLink 84xx*).
- 71103** When the phone is configured as per call center mode, call hold is no longer treated as a missed call (*applies to SoundPoint IP 650*).
- 71156** When there is an active call between two parties, accepting another call no longer makes the phone vibrate continuously when the mode is set to Ring and Vibrate (*applies to SpectraLink 84xx*).
- 71913** Registered lines now display on Expansion modules (*applies to SoundPoint IP 650, 670*).

## 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`, [Table 13: Software Version 4.0.0 – Configuration File Parameter Enhancements](#) abbreviates these parameters as `device.wifi.*`



### Note: Parameters with .set

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](#).

**Table 13: Software Version 4.0.0 – Configuration File Parameter Enhancements**

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
Discontinued	<code>apps.x.Label</code>	Productivity Applications parameter
Discontinued	<code>apps.x.Url</code>	Productivity Applications parameter
Discontinued	<code>apps.ucdesktop.IP</code>	Productivity Applications parameter
Discontinued	<code>apps.ucdesktop.name</code>	Productivity Applications parameter
Discontinued	<code>apps.ucdesktop.port</code>	Productivity Applications parameter

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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.pcforselanlinkreset	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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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



<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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.drvtb	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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
Added	<code>log.level.change.wifi</code>	Log parameter
Added	<code>log.render.stdout.*</code> The parameter <code>log.render.stdout</code> has existed in previous versions	Log parameter
Added	<code>mb.main.toolbar.autoHide.*</code> The parameter <code>mb.main.toolbar.autoHide.enabled</code> has existed in previous versions	Microbrowser parameters
Added	<code>messaging.*</code>	SpectraLink instant messaging parameters
Added	<code>np.*</code>	SpectraLink notification profiles parameters
Added	<code>oai.*</code>	SpectraLink Open Application Interface parameters
Added	<code>prov.login.*</code>	Distributed polling parameters
Added	<code>prov.loginCredPwdFlushed.enabled</code>	Distributed polling parameter
Added	<code>prov.polling.timeRandomEnd</code>	Distributed polling parameter
Added	<code>prov.startupCheck.enabled</code>	Provisioning parameter
Added	<code>pstn.*</code>	
Added	<code>ptt.*</code>	Paging and push-to-talk parameters
Added	<code>qbc.*</code>	SpectraLink quick barcode connector parameters
Added	<code>qos.ethernet.*</code> The parameters <code>qos.ethernet.callControl.user_priority</code> , <code>qos.ethernet.other.user_priority</code> , <code>qos.ethernet.rtp.user_priority</code> , and <code>qos.ethernet.rtp.video.user_priority</code> exist in previous versions	SpectraLink QoS parameters
Added	<code>reg.x.auth.domain</code>	Call feature parameter
Added	<code>reg.x.auth.useLoginCredentials</code>	Call feature parameter
Added	<code>reg.x.gruu</code>	Call feature parameter
Added	<code>reg.x.server.y.specialInterop</code>	Call feature parameter
Added	<code>reg.x.server.y.useOutboundProxy</code>	Call feature parameter
Added	<code>reg.x.srtp.enable</code>	Call feature parameter

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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 qos.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



<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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	SpectralLink call feature parameter
Changed	roaming_privacy.reg	SpectralLink 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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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
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

<i>Modification</i>	<i>Configuration Parameter</i>	<i>Description</i>
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

## Understanding Updates to UC Software 3.3.2

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to UC software version 3.3.2 beside their respective Polycom tracking ID number.

### New or Enhanced Features

- 56249** Added user confirmation on the phone before placing outgoing calls as part of the click to dial behavior.
- 64548** Added missed-call synchronization. When local call lists are disabled on the phones, Missed calls notifications are sent from the call server to the respective users.
- 66464** Provides simplified display option by removing protocol tag & host details (*applies to VVX 1500D*).
- 66466** When the parameter `up.simplifiedSipCallInfo` is enabled, the caller ID will not display the host name for incoming and outgoing calls and the protocol information will not be shown.
- 66624** Geographical redundancy enhancements.
- 68836** Added support for Sennheiser EHS headset to the phone menus and configuration.
- 70475** Extended the `dialplan.digitmap` String to support up to 100 from 30 segments.

### Enhanced Capabilities

- 27469** Local Conferencing is no longer disabled if G.729 is in the Codec preference list (*applies to SoundStation IP 4000*).
- 27777** The phone now plays a local hold reminder tone (*applies to SoundStation IP 4000*).

- 34454** If the microbrowser is enabled and it is refreshed too frequently and the pages contain large images, the phone no longer locks up.
- 34743** A phone no longer freezes when it receives a check-sync if the resources on the phone are heavily used by a downloaded wave files or by a large/complex microbrowser pages.
- 39630** When using the SoundPoint IP 330/320 phone with LCS2005, blocking a roaming buddy from the privacy list no longer prevents the user from viewing the blocked buddy's status.
- 45247** The SoundPoint IP 430 no longer reboot when viewing microbrowser pages and the internal memory is being used for other function/operations.
- 47827** Voice Quality Monitor feature on SoundPoint IP now uses the correct units for Jitter in SIP PUBLISH VQSession Reports.
- 49324** When dialing 99\* from the phone with an integrated Polycom HDX, the \* is no longer changed to a dot on the HDX (*applies to SoundStation IP 7000*).
- 51904** When a Polycom HDX system is configured for SIP using UDP, it now makes a video connection with the VVX 1500 phone.
- 52592** The phone now provisions when using the combined **sip.ld** file and a TFTP provisioning server that does not support the bulk size option (*applies to SoundStation IP 6000*).
- 52782** Resolved some video issues that occur when VVX 1500 phones are bridged on Polycom HDX and VSX MCUs.
- 55910** The phone no longer freezes/stops while preparing to boot up (*applies to SoundPoint IP 430*).
- 57838** When there is a call between two SoundStation IP 7000 phones along with a HDX system, the HDX9004 system added a video call to HDX9002. There is no longer a hold between the SoundPoint IP 7000 phones.
- 58177** When attempting to do a blind transfer from a PSTN line to an internal extension, three beeps are no longer heard after pressing the Send soft key. Cancelling the operations enables the call transfer.
- 60086** The SoundPoint IP 650 phones now send an Off-Hook or On-Hook notification when set to Auto Answer.
- 60131** Reassignment of the speed dial keys now functions properly (*applies to SoundStation IP 5000, 6000, and 7000*).
- 60186** Call connection bandwidth between the HDX and VVX 1500 now synchronizes when the VVX 1500 is in CMA provisioning mode.
- 60255** A noticeable high-frequency flicker has been removed from the display when an update for BLA remote hold/resume status occurs (*applies to SoundPoint IP 650/670*).
- 60729** The phone now honors a BLA NOTIFY when the version number in the message body has increased by more than one.
- 60733** Can now establish a local conference bridge by using a speed-dial key, BLF line key or via call lists.
- 60984** The `dir.local.contacts.maxNum` parameter no longer accepts 0 as stated in the Administrators' Guide; `dir.local.contacts.naxNum` accepts 1 to 99 OR 1 to 9999.

- 61013** On the VVX 1500, the Call Rate value can no longer be set higher than Max Call Rate value when configured using the Web Configuration Utility.
- 61067** On the phone interface menu, pressing the Back soft key in the Authentication menu now restores the menu title correctly.
- 61089** A pop-up no longer appears when adjusting the ringer volume while the call is on hold. Handsfree Volume no longer appears instead of Ringer Volume (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 61145** The `dialplan.digitmap` uses up to a maximum of 767 characters. The last character is no longer truncated.
- 61147** The phone no longer reboots when a GET request is sent to the phone to `/TA/getParam?paramName=reg.1.ringType` (*applies to SoundPoint IP 331, 335, 450, 550, 560, 650, 670 and SoundStation IP 5000*).
- 61316** The message waiting indicator (MWI) on the VVX 1500 shows up on the correct line after the registrations are moved to different line keys.
- 61955** An RTP audio delay is no longer detected when calling or receiving calls from a PSTN line.
- 62389** When the VVX 1500 phone is left idle for an extended period of time and a call is made between the CMA users, the pop-up on the phone user interface is no longer delayed for both incoming and outgoing H.323 calls.
- 62450** When the value in configuration parameter `mb.idleDisplay.home` is set to point to a URL with an image, the phone's idle display no longer shows a break in the border located at the bottom-left corner.
- 62664** The VVX 1500 phones no longer drop the domain information when sending call setup to the gatekeeper.
- 62675** Calls placed with the VVX 1500 using the URL dialing now show up in the missed calls list.
- 62687** Disabling local call forward now stops the phone from forwarding calls.
- 62974** Local call forwarding rules are now disabled when the feature is disabled.
- 63070** Call Forward (CF) messages such as Call Forward *destination:Fwd:<number>* now display when DND is active.
- 63262** When using the SoundPoint 650 to dial a call using the Out of Dialog REFER based method, the user no longer needs to press the Speakerphone key twice in order to terminate the call.
- 63277** During a call, a macro which is set to simulate a soft key press no longer displays an error (*applies to the VVX 1500*).
- 63452** When URL dialing is disabled on the phone, transferring call initiated by BLF speed dial key no longer prompts again for the URL.
- 63746** During failback attempt, line icon shows as unregistered.
- 64036** Caller ID on the VVX 1500 now works properly when both Contact Directory Matching and Chinese characters are enabled.
- 64190** Enhanced video quality during conferences with RMX 1500.
- 63850/64430** Initial dialog event NOTIFY after subscribe has the correct version.

- 64859** When a call is made using SRTP and TLS, the far end can now hear any audio even when the SRTP packet sequence counter rolls over to zero.
- 64896** When Call Forwarding is on, the phone no longer updates the display before the server has confirmed operation via NOTIFY.
- 65014** When a VVX 1500 phone is provisioned using CMA 5.3, LDAP directory searches now return meeting rooms names when searching the CMA directory.
- 65207** Resolved a memory leak on the phones in specific call server environments when a call is answered from a hunt group.
- 65288** When server side DND is enabled, an incoming call from a white list phone number can now be picked.
- 65345/64862** One of the callers is no longer dropped when trying to set up a conference between PSTN users.
- 65617** When Auto answer is enabled, the phone no longer sends a 180 response to the server.
- 65754** The XML string `<key key.25.VVX 1500.function.prim=null/>` no longer disables the Menu soft key or the Menu hard key (*applies to the VVX 1500*).
- 65758** An extra space has been removed from each side of an unlauded character in the microbrowser idle display: G Ä rtner instead of GÄrtner.
- 65979** The SoundPoint IP phone quick setup menu user name entry has been set to numeric characters as the default.
- 66027** When the phone lock feature is enabled, trying to dial any number will no longer dial the emergency number.
- 66106** When a call is made from the phone from the dial pad and pressing the speakerphone key it correctly selects line 2 instead of line 1.
- 66217** Directed Call Pick-Up soft key now works properly (*applies to the SoundPoint IP 650 and VVX 1500*).
- 66554** During a video call on the VVX 1500, the phone no longer drops video momentarily when there are periodic offer less re-invites/session refresh messages from server.
- 66593** When trying to dial an extension of four digits by pressing only two digits, a prompt is displayed on the phone to enter more digits. After entering the other two digits, it no longer appends to the earlier two digits, thereby resulting in a failed call (*applies to SoundPoint IP 3xx running UC software3.3.x*).
- 66621/66619** Created configuration parameters that allow phones to perform failover when a 503 response is received.
- 66625** The phone no longer sends three extra registration requests to primary proxy during failover.
- 66626** DNSTTL no longer counts down during failback that fails. TTL is reset after re-registering to secondary.
- 66666** The SoundStation IP 7000 phone is now being provisioned via FTP when the Windows 2003 server path MTU Discovery is disabled.
- 66964** Local call forward behavior is now working, as mentioned in the Admin Guide for the parameter `voIpProt.SIP.serverFeatureControl.localProcessing.cf` .

- 67455** The phone no longer crashes during registration with TLS (*applies to SoundPoint IP 650/670*).
- 67622** Phone displays the correct caller name in the user interface where there is a call from a group pickup number.
- 67633** Added support for the Zero-Touch Provisioning (ZTP) feature. Note that feature should not be enabled unless the phone has been registered for use with the associated provisioning system offered by your service provider.
- 67641** Pressing the Directory soft key on the VVX 1500 phone no longer redirects to the Advanced Find screen automatically.
- 67642** When using the VVX 1500 to dial contacts from the corporate directory for which the dialing entries are not filled appropriately, the phone no longer displays the attributes and no longer skips null values.
- 67753** Phone no longer plays ringback after the call is timed out.
- 67867** The phone seizes the correct line after transferring an incoming call to the line when going off-hook.
- 67966** When a call is made between two VVX 1500 phones, the answering VVX 1500 which comes up after first reboot no longer plays a noise pattern on the screen before playing video.
- 68063** The phone no longer reboots when DHCP failover occurs.
- 68195** Directed Pickup using star codes, such as \*200 and \*300, now works on the SoundPoint IP 650.
- 68267** When the BLF feature is enabled on the SoundPoint IP 650 and there is an active call, a soft ringtone is heard when the handset is removed.
- 68344** Request Validation feature no longer rejects requests from another (second) server listed in the configuration files.
- 68376** The VVX 1500 phone no longer reboots when the DND button is pressed repeatedly during the idle state.
- 68382** The phone shows the correct time when the IP address on the NTP server is 12 digits.
- 68446** The parameter `call.hold.localReminder.startDelay` value is now honored when the value is less than 60 seconds.
- 68476** The SoundPoint IP 331 phone is now bootable when set with Option 60, ASCII String and DHCP Server Option 43.
- 69166** Placing a call on hold in which RFC 3264 directionality attributes are present, no longer results in failure of terminating music on hold session.
- 69421** The VVX 1500 phones no longer fail to pass the special character \$ in the password via DHCP Option 66.
- 69671** The phones accept VLAN ID from DHCP option 129.
- 70027/62203** Conference with Genband CS2000 now works properly.
- 70988** The SoundPoint IP 550, when powered by external AC power, no longer reboots when certain audio plays on full volume.
- 70233** When URL dialing is disabled, the user is no longer prompted for a URL when attempting to transfer calls after using directed call pickup of a monitored BLF line.

- 70317** During an active IVR call, if there is a second incoming call to the same line, the phone now sends DTMF.
- 70456** The SoundPoint IP 450 phones now show the complete text on the microbrowser screen.
- 71071** The inbound caller ID on the SoundPoint IP 33x now displays for new calls during an active call on the phone. Observed this in version 3.2.5 and 3.3.1
- 71328** Modifying the phone username via phone Web user interface no longer changes the password from numeric values to ???? (four question marks).
- 71947** When the phone lock feature is enabled on the SoundPoint IP 650, outbound calls can no longer be dialed using line key, handset, headset and speakerphone key.
- 72766** When the configuration parameter `device.set` is set on the SoundPoint IP 650/670 with a new boot server IP address, it now forces the phone to reboot.

## Configuration File Enhancements

Refer to [Table 14: Software Version 3.3.2 – Configuration File Parameter Enhancements](#) for a list of enhancements made to the UC software version 3.3.2 configuration file parameters.

**Table 14: Software Version 3.3.2 – Configuration File Parameter Enhancements**

<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
<code>call.clickToDial.referBased.userConfirm</code>	Added	<code>accessType</code>		Admin
		<code>callback</code>		DefaultCbNone
		<code>cfgParamType</code>		param
		<code>default</code>		0
		<code>help</code>		
		<code>templates</code>		sip-interop
		<code>type</code>		Bool
<code>call.shared.notifyTransferHoldAsActive</code>	Added	<code>accessType</code>		Admin
		<code>callback</code>		DefaultCbRestart
		<code>cfgParamType</code>		param
		<code>default</code>		0
		<code>help</code>		
		<code>max</code>		1
		<code>min</code>		0
		<code>templates</code>		hidden



<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
		type		Bool
device.prov.ztpEnabled	Added	callback		DefaultCbRestart
		cfgParamType		param
		default		
		help		
		max		256
		min		0
		templates		device, site, new
		type		String
device.prov.ztpEnabled.set	Added	callback		DefaultCbRestart
		cfgParamType		param
		default		0
		help		
		templates		device, site, new
		type		Bool
dialplan.x.routing.server.y.transport	Changed	enum		transport
		max	256	
		min	0	
		type	String	Enum
dialplan.routing.server.x.transport	Changed	enum		transport
		max	256	
		min	0	
		type	String	Enum
dir.H350.dev.transport	Changed	default		TCP
		enum		dirCorpTransport
		max	256	
		min	0	
		type	String	Enum

<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
dir.H350.group.transport	Changed	default		TCP
		enum		dirCorpTransport
		max	256	
		min	0	
		type	String	Enum
dir.H350.person.transport	Changed	default		TCP
		enum		dirCorpTransport
		max	256	
		min	0	
		type	String	Enum
dir.corp.transport	Changed	default		TCP
		enum		dirCorpTransport
		max	256	
		min	0	
		type	String	Enum
mb.main.toolbar.autoHide.enabled	Added	accessType		User, Admin
		callback		CbMicroBrowser
		cfgParamType		param
		default		1
		help		Enable/disable browser toolbar autohide feature
		templates		applications
		type		Bool
pnet.joinOnAutoAnswer	Added	accessType		Admin
		callback		DefaultCbNone
		cfgParamType		param
		default		0
		help		

<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
		templates		video-integration
		type		Bool
reg.x.outboundProxy.failOver.onlySignalWithRegistered	Added	callback		CbReg
		cfgParamType		paramArray
		defaultAll		1
		help		
		numReplace 1Max		Const_NumLineReg
		templates		reg-advanced
		type		Bool
reg.x.outboundProxy.transport	Changed	enum		transport
		max	256	
		min	0	
		type	String	Enum
reg.x.server.y.failOver.onlySignalWithRegistered	Added	callback		CbReg
		cfgParamType		param2DArray
		defaultAll		1
		help		
		numReplace 1Max		Const_NumLineReg
		numReplace 2Max		Const_NumServers
		templates		site
		type		Bool
reg.x.server.y.transport	Changed	enum		transport
		max	128	
		min	0	
		type	String	Enum
sec.srtp.newContextOnResume	Added	callback		DefaultCbRestart
		cfgParamType		param

<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
		default		1
		help		
		templates		hidden
		type		Bool
up.simplifiedSipCallInfo	Added	accessType		Admin
		callback		DefaultCbNone
		cfgParamType		param
		default		0
		help		
		templates		new
		type		Bool
voIpProt.SIP.dialog.strictVersionValidation	Added	accessType		Admin
		callback		CbSipStack
		cfgParamType		param
		default		1
		help		
		templates		new
		type		Bool
voIpProt.SIP.failoverOn503Response	Added	callback		CbSipStack
		cfgParamType		param
		default		1
		help		
		templates		sip-interop
		type		Bool
voIpProt.SIP.outboundProxy.failOver.onlySignalWithRegistered	Added	callback		CbReg
		cfgParamType		param
		default		1
		help		

<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
		templates		sip-interop
		type		Bool
voIpProt.SIP.outboundProxy.transport	Changed	enum		transport
		max	256	
		min	0	
		type	String	Enum
voIpProt.SIP.serverFeatureControl.missedCalls	Added	accessType		Admin
		callback		DefaultCbRestart
		cfgParamType		param
		default		0
		help		
		templates		sip-interop
		type		Bool
voIpProt.server.x.failOver.onlySignalWithRegistered	Added	callback		CbReg
		cfgParamType		paramArray
		defaultAll		1
		help		
		numReplace1Max		Const_NumServers
		templates		sip-interop
		type		Bool
voIpProt.server.x.transport	Changed	enum		transport
		max	256	
		min	0	
		type	String	Enum
voice.gain.rx.digital.headset. IP_330	Added	callback		DefaultCbRestart
		cfgParamType		param
		default		-12
		help		

<i>Configuration Parameter</i>	<i>Action</i>	<i>Property</i>	<i>Old Value</i>	<i>New Value</i>
		max		1000
		min		-1000
		templates		techsupport
		type		SInt
voice.gain.rx.digital.headset	Added	callback		DefaultCbRestart
.		cfgParamType		param
IP_335		default		-9
		help		
		max		1000
		min		-1000
		templates		techsupport
		type		SInt
voice.gain.vol.ringer.gain.adjust	Added	callback		DefaultCbRestart
		cfgParamType		param
		default		-9
		help		
		max		1000
		min		-1000
		templates		new
		type		SInt
voice.headset.rxag.adjust	Added	callback		DefaultCbRestart
IP_335		cfgParamType		param
		default		-11
		help		
		max		-11
		min		-1000
		templates		new
		type		SInt

# Understanding Updates to UC Software 3.3.1F

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to UC software version 3.3.1F beside their respective Polycom tracking ID number.

## Enhanced Capabilities

**66743** Phones may be vulnerable to Denial of Service attacks when used in certain configurations. Sending HTTP GET requests with a broken authorization header can produce a device restart under certain circumstances in certain models of phones. For full details, refer to [Technical Bulletin 66743](#).

# Understanding Updates to UC Software 3.3.1

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to UC software version 3.3.1 beside their respective Polycom tracking ID number.

## New or Enhanced Features

**50065** Added support to the VVX 1500 for CMA presence.

**52476** Added support for Premium extensions to server synchronized ACD feature.

**55061** Added support for the Team Function feature. This feature extends the compatibility of statically configured Busy Lamp Field (BLF) to operate in a system requires the use of two URIs one for call operations and another one to subscribe for notification of dialog events. It also provides Ringing Indication and a Directed call pick-up capability in a system that does not generate RFC 4235 compliant dialog-info+xml documents.

**58888** Added the ability to trigger a reboot (or configuration update) from the microbrowser. For example, `<softkey index=3 label=Reboot action=Action:UpdateConfig />`.

**59000** Phones now ignore BLA dialog documents (via NOTIFY) that are reflected to User Agents that are party to the dialog.

**60306** The server certificate Serial Number SN is now verified against the server/proxy's record domain names if the SRV record domain does not match the SN.

**61343** Phones now provide a configurable parameter that allows the verification of the authentication tag to be disabled for received SRTP packets. The purpose of this is to allow system administrators to resolve defects in other endpoints where the authentication tag is not computed correctly. Supported parameter: `sec.srtp.noAuthRxRTP`

**61389** During the 802.1x - EAPOL logoff, the phone will recycle the LAN link (e.g. it will bring it down and up in an interval of one second) upon detecting a PC link down event. This forces the 802.1x switch to refresh the authorized port state and start to send requests for identity challenge messages. The associated configuration parameter is `sec.dot1x.eapollogoff.pcforgelanlinkreset` with values: 0 - Never recycle LAN link and 1 - Phone will unconditionally recycle the LAN link upon detecting PC link down event.

**61861** Corporate Directory LDAP initialization supports the bind authentication.

- 62115** The phones now display the full text strings of the Phone Lock feature (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 62259** The phones now display the Call Forward destination on Idle Display.
- 62775** The toolbar slide-out option is now configurable on the VVX 1500. The associated configuration parameter is `mb.main.toolbar.autohide.feature`
  - 1 feature is enabled (default)
  - 0 feature is disabled. The Autohide enable/disable buttons are no longer visible to the user in the toolbar.

## Enhanced Capabilities

- 44337** Configured characters `;, /, ?, &, =, ~, %, \` are now escaped in INVITE messages.
- 55794** The SoundStation IP 6000 and 7000 phones no longer reboot upon receiving a call with incorrect SRTCP indices.
- 56491** As of SIP 3.2.x, the screen no longer displays the IP address of the server when disabling the Call Forwarding feature using a # code.
- 59824** The phone now changes all of the menu option labels into the selected language.
- 59843** On the VVX 1500, the caller ID correctly displays during an active call after switching (exchanging) valid logon credentials between two phones.
- 60015** Phone no longer sends RTP media for 2.4 seconds after call is declined with 603 Decline.
- 60175** When using the Contact Directory speed dial, the left and right arrow keys no longer increment and decrement the index unexpectedly (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 60514** The user password can now be changed by an administrator if the old password is unknown.
- 60572** An EFK soft key no longer requires at least one valid entry in `<efk.efklist />` configuration in order to be enabled.
- 60645** The VVX 1500 phone no longer resets to previous values in the Edit contact menu when the mode is changed from Tel to Url.
- 60761** The Transfer and Conference soft keys on the SoundStation IP 5000 and 6000 are no longer absent upon the 8th active outgoing call.
- 60788** When operating with a sip X server, there is now music on resuming from a double Music On Hold (MOH) between two phones.
- 60814** The Login soft key on the SoundStation IP 7000 now displays when `feature.acdLoginLogout.enabled` is set.
- 60831** Ringback tone no longer continues to play for 30 seconds after the SoundStation IP 6000 phone sends a BYE message.
- 60848** After invoking the Update Configuration menu option, the phone now returns to the idle screen.
- 60897** The Custom Ringer Types menu no longer uses the file name rather than configured name.
- 61030** The Buddy Watch presence now works on the VVX 1500 phone after it boots initially with `voIpProt.H323.enable=1`.



- 61031** Active call now has a timer when attempting to transfer or conference the call (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 61041** The Call Server Configuration Menu now displays Options (1, 2, ...) within the Menu items (*applies to the VVX 1500*).
- 61042** The Directed call pick-up feature now works when the SUBSCRIBE message expires=0.
- 61046** The Saved Certificate prompt is now shown when a new CA certificate is downloaded (*applies to SoundPoint IP 320, 321, 330, 331, 335, and SoundStation 5000 and 7000*).
- 61088** The VVX 1500 phone no longer freezes and reboots after making a call with `tcpIpApp.port.rtp.forceSend=1024`.
- 61090** The configuration parameter `voIpProt.SIP.musicOnHold.uri` is now updated after a configuration change.
- 61095** While dialing a URL using the on-screen keyboard on the VVX 1500, the first entered character is no longer unexpectedly deleted.
- 61102** The Handset or Speaker icon no longer appears instead of the Ringer icon when you adjust the ringer volume while the SoundStation 500 and 6000 phones are idle.
- 61104** With a shared line configured on the VVX 1500 phone, activity on the remote shared line no longer causes the idle browser content to cycle off then on.
- 61114** The VVX 1500 phone boots-up with the DHCP VLAN 256 DVD option.
- 61115** Can now answer calls after a configuration update is invoked.
- 61242** The configuration parameter `voIpProt.SIP.useCompleteUriForRetrieve` updates after a configuration change.
- 61246** The `voIpProt.SIP.allowTransferOnProceeding` XML schema lists the correct type as stated in the Administrators' Guide.
- 61273** Joining calls into a local conference when 1 leg is a remotely held BLA line now maintains audio between both remote users.
- 61314** The number of characters for custom names has been extended to 127 from 12.
- 61367** When dialing a number with a + sign, e.g. +492101099210, `user=phone` is now added to the To header.
- 61677** The VVX 1500 phone no longer escapes the % character as %25 when is present in the destination of a call.
- 61723** The VVX 1500 phone is no longer missing the first string `<?xml version=1.0 encoding=utf-8 ?>` in FAST UPDATE requests.
- 61779** The phone no longer reboots spontaneously from the idle state or in-use state.
- 61904** A call is placed with the correct signaling protocol on the VVX 1500 when the line is configured as dual line protocol.
- 62036** The SoundPoint IP 320 and 330 phones now send DTMF RTP EVENTS when receiving a second incoming call during an active primary call.
- 62114** The user can now unlock the VVX 1500 phone after the phone is locked with a password containing letters.

- 62325** Chinese characters no longer cause the VVX 1500 phone to become unresponsive to user requests.
- 62333** The correct Chinese characters are displayed in the reboot menu on the VVX 1500.
- 62417** When an off-hook event is received from the headset base station, the phone no longer sends three events to the base station in DHSG headsets and platforms.
- 62453** The phone no longer displays a ghost call appearance labeled Unknown Party if a remote party is held while the reorder tone is played locally.
- 62490** Enabling the Screen capture function with `httpd.enabled=0` no longer causes the phone to freeze and reboot.
- 62576** The phone now reboots in order to pick up new **sip.id** file after an Update Configuration is invoked from the menu.
- 62642** The phone no longer plays a dial tone and RTP media when resuming on a call held at another phone.
- 62704** BLA presence now recovers properly on the monitoring phone when the LAN cable is disconnected and then re-connected.
- 62906** The phone correctly provisions using the HTTPS protocol option when using a server certificate with an older MD2 digest message algorithm.
- 63076** Phones with BLA lines are now able to establish more than 10 outgoing calls.
- 63214** The phone no longer reboots if it receives more REFERS that `reg.x.callsPerLineKey` is configured for.
- 64742** Using a dial plan containing #, when a user goes off-hook and dials #1#2#, the phone now sends out an invite message containing %231%232%23.

## Configuration File Enhancements

Refer to [Table 15: Software Version 3.3.1 – Configuration File Parameter Enhancements](#) for a list of changes in configuration parameters. The list applies only to the changes made since UC software 3.3.0.

The configuration files, their respective parameters and defaults, as well as the provisioning methods have been simplified but extensively modified starting from UC software 3.3.0.

Before installing the software, it is highly recommended that you first familiarize yourself with the changes outlined in the [Administrators Guide for the Polycom® UC Software – 3.3.0](#) and [Technical Bulletin 60519](#).

**Table 15: Software Version 3.3.1 – Configuration File Parameter Enhancements**

<i>Configuration Parameter</i>	<i>Action</i>
<code>attendant.resourceList.x.callAddress</code>	Added
<code>attendant.resourceList.x.proceedingIsRecipient</code>	Added
<code>device.cma.disableTlsForDebug</code>	Added
<code>device.cma.disableTlsForDebug.set</code>	Added

Configuration Parameter	Action
dir.H350.dev.bindOnInit	Added
dir.H350.group.bindOnInit	Added
dir.H350.person.bindOnInit	Added
dir.corp.bindOnInit	Added
feature.acdPremiumUnavailability.enabled	Added
reg.x.filterReflectedBlaDialogs	Added
sec.dot1x.eapollogoff.pcforscelanlinkreset	Added
sec.srtp.noAuthRxRTP	Added
voIpProt.SIP.allowTransferOnProceeding	Changed

## Understanding Updates to UC Software 3.3.0

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to UC software version 3.3.0 beside their respective Polycom tracking ID number.

### New or Enhanced Features

- 23335** Configuration parameter values can now be updated at run-time.
- 24111** Enhanced the user interface for selecting a distinctive ringtone associated with a contact in the local directory. You can now review the ring name and play the ringtone before accepting and associating the ringtone for specific contacts.
- 23394** Configuring parameters are now self-contained (default parameter values) and the configuration process is more fault-tolerant.
- 35245** Line key behavior (configurable) has changed such that keys can now be used to hang-up/terminate calls as well as establishing calls. The associated configuration parameter is `up.lineKeyCallTerminatetype=Booldefault=0 min=0 max=1`.
- 38826** Added configuration parameters to expand the range of ports as well as to randomize port selection for the purpose of downloading configuration files to the phone using TCP connections.
- 48138** Added support for dynamic support of G.729AB and iLBC codecs. G.729AB / iLBC (*applies to SoundPoint IP 320, 321, 330, 331, 335, 450, 550, 560, 650, 670*).
- 48526** Simplified selection of codec configuration preferences. See [Technical Bulletin 60519](#) for more information. This change is not backward compatible to configuration files used with previous software releases.

- 48690** Added the ability for users to lock the phone and restrict its access from unauthorized users. Users must enter a PIN in order to access and use the phone. Refer to [Quick Tip 57215](#) for more information regarding this feature and configuration.
- 49658** Added configuration parameter to allow the phone to obtain Caller ID from the From header instead of the P-Asserted-Identity segment. The associated configuration parameter is `voIpProt.SIP.CID.sourcePreference = P-Asserted-Identity, Remote-Party-ID, or From.`
- 50067** Local contact directory now matches the Polycom CMA products style and user experience.
- 50151** Removed redundant levels of abstraction associated with arrays in configuration files.
- 50644** Enhanced the visual indicator of incoming calls on the VVX 1500 for the hearing impaired. Upon receiving an incoming call, the phone will ring and the display will flash on and off with a bright orange and white screen. This visual indicator can be seen even when the display is viewed at an indirect angle. The associated configuration parameter is `up.accessibilityFeatures=1.`
- 51121** RAM disk configuration parameters have been optimized.
- 51314** Added a configuration option to allow for minimal latency in order to meet JITC requirements. The associated configuration parameter is `voice.txPacketDelay.`  
Normal or NULL (default) = no change to Tx latency; low = low delay
- 51523** Added the ability to scroll horizontally caller ID information (if it is truncated when the number of characters in the caller ID string exceeds the capacity of the display).
- 51446** Added configuration parameters supporting TLS cipher suites.
- 51594** Digit map replacements no longer need to be reflected in the placed calls list.
- 51725** Added support for G.719 audio codec in H.323 calls (*applies to VVX 1500*).
- 51979** Added support for asymmetric audio codecs.
- 52253** Configuration parameter values, modified by an administrator logon credential using the phone's Web server, are not permitted to be altered by user level logon credentials.
- 52493** Added support for MD4 encryption key (OpenSSL).
- 52532** Phones no longer invoke a reboot during the uploading of override files as a result of an unresponsive provisioning server (after a timeout).
- 52864** Enhanced the user experience of confirming a Local Directory Search (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 53021** Added support for NTLM version 2 authentication [via XMPP, LDAP and HTTP(s)] for use with CMA.
- 53023** Edit fields have been expanded to display additional content (*applies to VVX 1500*).
- 53231** Added a configuration parameter to control the behavior of terminating a 3-way conference by the conference initiator. Options now include either terminating all conference legs or allowing the other parties to stay connected.
- 53417** Implemented a slider bar on the VVX 1500 for adjusting levels in various menu screens.
- 53703** Added the ability for phones to send an 802.1x EAPOL logoff message on behalf of an attached PC when the PC is disconnected from the data port.

- 53932** Presence and BLF is supported on Avaya CS2100 soft switches.
- 54037** Attempting a Transfer/Conf of a held party while in active call is now consistent for all phones.
- 54045** Registration parameters can now be modified and activated without requiring the phone to restart or reboot.
- 54098** Added the ability to automatically upgrade the BootBlock section of the BootROM.
- 54167** The BootROM and application software versions may now be obtained by using the on-board Web interface.
- 54301** A timestamp is displayed in Call Lists alongside the Caller ID.
- 54308** The navigation keys can now be used as a spin box control (ability to select values using the up and down arrow keys) for numeric fields (*applies to SoundPoint IP 320, 321, 330, 331, 335*).
- 54678** Phones can now be deployed with a pre-set language. This supports out-of-the box localization.
- 54928** Added a new API Telephony Event (XML) which is sent to the attached application upon a successful line registration with a PBX.
- 55028** The maximum size of the contact directory contact field has been increased to 128 to accommodate complex dialing scenarios.
- 55040/57981** Added the ability for administrators to install custom device certificates. The administrator can add private and public keys (certificate) via TLS links.
- 55068** Added support for Null Ciphers to be used with TLS Authentication.
- 55318** The Advanced LDAP Search screen now supports languages other than English.
- 55334** Added the ability for the tool bar on the VVX 1500 to hide automatically.
- 55490** The configuration Web interface has been expanded to include parameters associated with security.
- 55508** When a precedence call is offered to the phone, it now rings with a corresponding precedence ringtone.
- 55509** When a precedence outgoing call is initiated, a precedence style ring-back tone is generated.
- 55510** The DSCP Differentiated Services Code Point levels for standard and precedence level calls are aligned.
- 55513** The current precedence level of a call is now displayed.
- 55546** The following diacritic letters and ligature are now supported (language option selection) and can be displayed without having to change the character encoding scheme ä, ö, ü / Ä, Ö, Ü ß.
- 55745** Phones now generate a MLPP resource-priority Header based on the dialed number.
- 55985** The SoundPoint IP 7000 now displays the LogOut soft key when configured to be enabled.
- 56666/56668** Added dynamic codec switching.
- 56790** Enhanced the computation of jitter buffer parameters based on received Quality of Service QoS and expected payload size values.
- 56944** Enhanced the ability for application developers to implement changes to the phone's configuration. Configuration parameters can be modified via the Web interface. The Enhanced method also eliminates the need to reboot the phone in order to register the changes.

- 57504** A new Warble.wav file is available which can be configured as an audible ringer for incoming calls. This file will generate a loud ringer tone for phones deployed in areas with a high ambient noise background.
- 58103** The default maximum call data rate has been increased to 768 kbps from 512 on the VVX 1500.
- 58156** The user video call rate setting parameter value options have been shortened on the VVX 1500.
- 58758** Enhanced the rendering performance of the browser on the VVX 1500.
- 58764** Added the ability to upload configuration files representing the phone's current set of configured parameter values to the provisioning server.
- 59307** Added a diagnostic menu option that enables the display of configuration file statistics.
- 60316** Added an option in the user interface that allows the user to invoke the phone to force it to re-configure itself based on newly administered configuration file parameter values.
- 60353** Custom ring classes (`se.rt`) can now be set to a maximum value of 17.
- 60363** Custom ringer chords (`tone.chord.ringer.spareX`) can now be set to a maximum value of 19.

## Discontinued Features

- 50200/53590** Removed configuration parameters that are no longer required for custom bit-mapped graphic indicator icons.
- 56209** Removed support for the SoundPoint IP 430.
- 59917** Removed support for the animated idle display images (static idle display images are still supported).

## Enhanced Capabilities

- 33425** On the SoundStation IP 7000, users can now reply to instant messages.
- 42509** Can now invoke the speed dial list using the Up Arrow key when first call is kept on hold (*applies to VVX 1500*).
- 43660** URL addresses on the SoundPoint IP 330 are now saved in the call list entry. When the phone receives a URL call from SPIP @xxx.xxx.xxx.xxx, the phone now saves the incoming URL call address into call list entry.
- 44034** On the SoundPoint IP 330, the cursor now blinks in hot dial prompt.
- 44278** The phone number now displays correctly on a line key when the number of digits exceeds 10.
- 44478** Configurable soft key features now work on the VVX 1500.
- 44889** The Polycom bitmapped logo now displays on the SoundPoint IP 330 idle screen.
- 45013** Phones no longer reboot after a check-sync request when a call is held and a new call is initiated and then cancelled.
- 47135** Casing of current encoding indication at title bar now match corresponding soft keys on the VVX 1500.

- 47542** The URL entry field on the VVX 1500 allows for 32 instead of only 28 characters.
- 48228** The Contact Directory now has a functional <New Entry> option and a correct Navigation Cluster Guide NCG while dialing (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 48257** The default background image on the VVX 1500 now displays after the following sequence of events: select an image file, followed by selecting an invalid image (file not found), and select the default background image.
- 48463** Can now view JPEG images with file extensions .jpe or .jif (*applies to VVX 1500*).
- 48701** The touch-screen no longer disables during keypad diagnostics (*applies to VVX 1500*).
- 48776** Scrolling in the Ethernet menu no longer causes the selected highlighted item to be positioned at the bottom of the screen (*applies to VVX 1500*).
- 48840** Pressing the Slower and Faster soft keys no longer causes the update cursor to advance immediately.
- 49331** Audio is no longer lost when disabling the handsfree mode while on a speakerphone call (*applies to VVX 1500*).
- 50812** Changes to configuration options are no longer lost without warning if you exit from the Settings menu without passing through confirmation dialog.
- 50855** An error message is no longer shown when a contact is saved with an empty contact number (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 50920** Phones display a correct contact upon pressing the speed dial line key while editing the contact entry (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 50922** Dial plan now applies after editing a call list item and attempting to dial the number.
- 50969** The language displayed for a Missed call notification now changes when the option is changed to another language setting (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 50997** Upon pressing a line key, the phone now dials the stored hot dial number (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 51152** Back arrow now works as back-space when in the Display and Touch Screen Diagnostics or Media Statistics screens (*applies to VVX 1500*).
- 51237** In the Server Menu, the Server Password option no longer accepts digits instead of characters as the default (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 51656** Interactive microbrowser will now timeout if `mb.main.idleTimeout > 600`.
- 51664** The VVX 1500 phone no longer enters LCD Power-down mode in 3 to 4 minutes instead of the time set by `powerSaving.userDetectionSensitivity.officeHours=0`.
- 51669** After both SIP and H.323 Call Server parameters in Admin Settings are reconfigured on the VVX 1500, only one dialog method is now offered to exit. A reboot is no longer required.
- 51947** Can now delete the URL on the VVX 1500 by selecting it right-to-left and pressing the backspace key.
- 51993** Cancelling the deletion of a contact no longer appends an ellipsis to that contacts entry in the list (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).

- 52212** The phone now restarts while another extension on a shared line is in use. The phone no longer thinks it is active on a call.
- 52374** Options in the Forwarding menu are no longer appended with an ellipsis after returning from the selected option.
- 52438** Typing in a fully filled field no longer prevent the cursor from advancing and overwriting existing content (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 52447** After placing 21 encrypted calls on hold, the VVX 1500 phone no longer locks-up and reboots at the 22nd multiple encrypted calls.
- 52590** The Add Video soft key is no longer accessible when flashing the POTS line to make a second POTS call. While playing dial tone for second POTS call, pressing the Add Video soft key and dialing a video number no longer causes the HDX to lock-up and reboot (*applies to SoundStation IP 7000*).
- 52629** The phones accept tel URIs as *tel://number* and *tel:number*.
- 52655** Upon disabling the directory, saving a contact from the corporate directory to the directory file no longer causes the saved contact to reuse the speed dial index starting from 1.
- 52690** The Add Phone soft key no longer appears while the Call Type is set to Conference-SIP and the phone is rebooted without a network connection (*applies to SoundStation IP 7000*).
- 52772** In the Corporate Directory, when `sortControl=1`, a quick search on multiple searchable attributes no longer causes the entry list to display items that are not starting from the beginning.
- 52851** Cancelling the Directory Search configuration change no longer appends an ellipsis to menu item label (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 52895** Enabling the Call Forwarding feature without entering a contact number no longer causes it to fail (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 52896** The Forwarding status field in the Forward menu option screen now correctly corresponds to the actual call forwarding status (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 52945** In the Corporate Directory, when performing a quick search, the Select/Submit indicator in the Navigation Cluster Guide displays correctly.
- 53066** When hot dialing on the VVX 1500, the white screen no longer flashes after pressing the Dial soft key, termination key, and dual line key.
- 53104** When an attempt to change the language option fails, the list of available language options are now sorted correctly.
- 53447** Initiating a URL based hot-dial by pressing the # or \* key on the VVX 1500 no longer causes an invalid character to be inserted in the SIP URL.
- 53679** The Back soft key on the VVX 1500 is no longer always present in the APP menu screen.
- 53953** In the LDAP feature on the VVX 1500, the Scroll icons for navigating up and down pages now display when the last contact in the search list is reached.
- 54131** The SoundStation IP 5000 phone now displays the Volume control while the ringer volume is being adjusted in Quick Search mode.
- 54175** The Swedish Group soft key is no longer truncated; the visible portion translates properly.



- 54219** Phones can now establish a link when connected to some switches when both phone and switch are configured for 100Mbps/Full Duplex (*applies to SoundPoint IP 560 and 670*).
- 54292** On the VVX 1500, the information in the Line status menu accurately reflects the Gatekeeper address in use by the phone.
- 54343** Added the ability to save changes to text or IP entry fields while in the Admin Settings menu after viewing the Web browser on the VVX 1500.
- 54356** The Delete key on the VVX 1500 does not dismiss the character selection control or prevents character entry in the browser.
- 54614** The VVX 1500, upon originating a conference call, no longer shows a blank black screen instead of the No Video - crossed out camera image, while the call is on hold.
- 54616** When DND is enabled on the VVX 1500 on both SIP and H.323 lines, a SIP call no longer generates a busy tone and an H.323 call will no longer generate a re-order tone.
- 54617** While listening to a fast busy tone, if an incoming call is offered, the speaker LED is no longer turned off even though the fast busy tone is still present.
- 54638** Opening and closing the web browser on the VVX 1500 no longer resets ABC/abc/123 and encoding soft keys.
- 54656** The phone now displays an x/y indicator when multiple calls are active if the Time and date display is disabled.
- 54720** Placing the handset on-hook no longer unexpectedly closes the Audio Diagnostics menu on the VVX 1500.
- 54727** Invoking the Abc/ASCII entry mode on the VVX 1500 capitalizes entered letters properly in the Corporate Directory search field.
- 54735** Upon pressing the VIDEO key on the VVX 1500, the focus now changes to Active Conference pane.
- 54756** The VVX 1500 phone can display the dialing screen when an alpha character is configured and entered into the contact field followed by a call to the specified contact.
- 54757** The Call Timer on the VVX 1500 displays a correct duration value.
- 54834** The VVX 1500 no longer connects with audio only when an MGC IVR Video Welcome Slide is used.
- 54876** Inter-digit DTMF signaling interval now matches the `tone.dtmf.offTime` setting.
- 54949** An unassigned soft key no longer operates as a Dir soft key on the SoundStation IP 7000.
- 54966** The Lin16.16kspcs codec now engages if it is the only supported codec.
- 54988** The user is now able to make additional changes to the selected item in the Prioritize Background menu after making an initial selection (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 54993** The SoundStation IP 7000 phone no longer displays Enter name instead of Enter URL in the Install Custom CA Cert menu.
- 54995** Pressing the # key while in an idle call state no longer displays the character in dial screen.
- 55001** The Backspace soft key no longer shows at left edge of a dialed SIP URL (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).

- 55002** The user is now able to press and hold the Backspace soft key to clear the contents of the dialing fields (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55005** The user Interface no longer becomes corrupted when change the language while hot-dialing (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55014** Soft keys no longer disappear from a shared line when a hold/resume operation is performed on another remote shared line (*applies to SoundStation IP 5000 and 6000*).
- 55017** Auto Reject now functions as expected when the feature is enabled through the Contact Directory when an Alpha-character is present in the CONTACT field (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55039** The Navigation Control Group (NCG) Indicator no longer shows the right-pointing arrow even when there are no calls in the call lists.
- 55053** The Page up arrow now functions correctly when the Server menu is highlighted and the DHCP client is set to disabled.
- 55063** It is no longer possible to select a disabled menu item using the \* key, resulting in a non-functional Edit soft key.
- 55094** When taking the phone off-hook and dialing the # key, the # no longer displays in the Enter more digits field (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55129** The Transfer and Conference soft keys on the SoundStation IP 7000 now display upon an 8th active call.
- 55139** The user can now view the full date when the phone is configured for Norwegian language Norsk (no-no) (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55271** The Please Enter a Contact pop-up no longer shows up unexpectedly when adding/editing contacts.
- 55287** The phone no longer drops the incorrect call if the user selects (on the phone UI) a held call and then attempts to terminate the active call (e.g. by placing the handset on hook).
- 55297** An audio and video conference call appears as a single video call (*applies to the SoundStation IP 7000*).
- 55313** The Routing soft keys on the VVX 1500 now display correctly when the Call Park feature is enabled.
- 55339** Resuming a conference while running the Slide Show application on the VVX 1500 no longer causes the user interface to become dysfunctional.
- 55340** The user can no longer launch picture frame on the VVX 1500 while a recording is in progress causing the USB busy icon to disappear.
- 55375** The Outgoing Call control interface on the VVX 1500 now displays when the Speed Dial Contact Enhanced Feature Key macro fails to execute.
- 55423** The correct soft keys and user interface displays on the VVX 1500 after exiting the screen that was previously opened from the icon in the status bar; while hot dialing digits.
- 55457** When the dual protocol line is registered only to the gatekeeper and not to the SIP server on the VVX 1500, this no longer causes hot-dialed SIP URL to call via H323 and dialog options to appear when a hot dial URL call is attempted.

- 55477** SRTP Key renewal now occurs during local conference calls.
- 55478** DHCP VLAN Discovery (DVD) no longer reports as not active when it actually is.
- 55485** The Camera Settings Save soft key on the VVX 1500 no longer loses its context-sensitivity upon second visit to the menu option.
- 55514** Calling into a Video Server on the VVX 1500 no longer causes the phone to connect the audio portion of call but does not establish a video connection.
- 55560** On occasion, the VVX 1500 phone no longer displays an incorrect call duration timer value while on an H.323 call to an RMX-2000.
- 55641** The Y-axis auto-scaling of the Network Load graph on the VVX 1500 is now accurate.
- 55697** Phone no longer rejects calls with 486 if NOTIFY:Alerting is received before the INVITE and `reg.x.lineKeys` and `reg.x.callsPerLineKey` is set to 1.
- 55644** The VVX 1500 now uses the correct routing protocol when dialing an LDAP contact from the on-hook state via termination.
- 55907** On the VVX 1500, typing a or # no longer causes the on-screen keyboard to unexpectedly close and discard any edits.
- 55911** Changing the text entry mode no longer causes the backspace soft key to disappear (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55929** Pressing the down arrow no longer affects a change on the Navigational Cluster Guide (NCG) (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 55964** The VVX 1500 phone no longer seizes the only unregistered share line using the New Call soft key, speaker and headset function key.
- 56046** The default value of the Sound Effect Destination parameter setting is now removed from the override file when a new value is selected from the menu option.
- 56057** Phones no longer de-register upon receiving a large number of NOTIFY messages for watch buddy-enabled contacts.
- 56147** Adding Contacts to the SoundPoint IP 550 and 670 that are longer than 10 characters or numbers are no longer truncated on the idle screen.
- 56156** The abc/ASCII string no longer remains in the title bar on the VVX 1500 after leaving edit mode for a menu item.
- 56161** Emergency numbers matched against `dialplan.routing.emergency.x.value` are now sent to servers listed in `dialplan.routing.emergency.x.server.y`.
- 56168** When adding more than seven characters and/or digits to a local contact directory entry on the SoundPoint IP 450, the characters and/or numbers no longer overlap on the idle screen when they should be truncated.
- 56294** The `Dutch_Netherlands` localization now displays the correct default 24 hour time format in SIP 3.2.x.
- 56289** Label text is no longer drawn past the edge of the speed dial label on the display next to the key (*applies to SoundPoint IP 550, 560, 650, 670*).

- 56333** The SoundStation IP 5000 phone no longer reboots automatically when lease time expires after disabling and enabling the DHCP server.
- 56334** The phone no longer plays a short burst of ringtone upon switching initiating a call sequence of transfer, conference initiation, and then cancels.
- 56338** The SoundStation IP 7000 phone no longer reboots when the user presses the Manage soft key during an 8-way MP call plus 1 audio EP conference.
- 56381** The conference phones now accept a DHCP offer that do include the terminating END (0xFF) option (*applies to SoundPoint IP 5000, 6000, 7000*).
- 56401** The Admin password length in the boot menu and Menu > Settings > Advanced menu now match.
- 56678** Local contact directory entries now store up to 32 characters instead of only 31.
- 56708** The SIP URL dialing field accepts up to 32 characters instead of 256.
- 56787** The phone no longer plays a short tone while retrieving a parked call using an incorrect contact.
- 56788** The contact field of the local contact directory now accepts 128 characters instead of only 32 (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 56797** The SoundPoint IP 450 Admin Settings submenus correctly display the titles in a white background box.
- 56809** The configuration parameter `voice.audioProfile.Lin16.48ksps.payloadType` has a default value of 118 instead of 119.
- 56827** The soft keys associated with Conference Remote Pickup NewCall, Transfer, and Conf soft keys on the SoundStation IP 7000 are no longer missing when the conference call is split.
- 56868** Published CDP power values in TB 48152 now match actual measured consumption.
- 57146** The phone no longer freezes and reboots when it receives an INVITE message with special characters in the FROM header and the call is placed on hold.
- 57368** The second contact in the Local Contact Directory on the SoundStation IP 5000 is no longer highlighted when it is selected.
- 57369** The Contact entry in the Local Contact Directory no longer takes a long time to display (*applies to SoundStation IP 6000 and 7000*).
- 57398** The phone no longer displays "Please enter a contact" pop-up message after adding a contact in the local contact directory.
- 57443** The display on the SoundStation IP 6000 and 7000 no longer flickers while making an outgoing call.
- 57597** Using the VVX 1500 phone with an HDX, the phone now transmits video upon resuming a SIP call.
- 57615** The autohide feature on the VVX 1500 now functions when PIN is pressed while the tool bar is sliding down out of view.
- 57849** The phone now acquires the correct VLAN using LLDP after a bootup.
- 57863** The phone accepts a DHCP END (0xFF) option in a DHCP INFORM response.

- 57958** In the failover feature, while re-registering, there is no longer a 32 second delay before sending INVITE to the third server.
- 58023** A call into a 3COM VCX audio conference server when using the VVX 1500 no longer causes the phone to reboot.
- 58172** Hot-dial numbers no longer disappear from the screen if there is an incoming call during the outgoing hot-dialing state (*applies to SoundStation IP 5000 and 6000*).
- 58197** After upgrading from 3.0.0 to 3.1.3 Rev C, there is no longer a delay in the audio signal when answering a call using the speakerphone.
- 58296** H.323 digit-map no longer routes files when the `reg.1.lineKeys` configuration parameter has a value of greater than 1 and `reg.1` is assigned a SIP number (*applies to VVX 1500*).
- 58362** Initiating a URL hot-dial call by pressing the # or \* key on the VVX 1500 no longer causes the Enter URL dialog to pop up with the # character already inserted into the field, even though the # character is not a valid SIP URL character.
- 58464** A Contact can now be saved from a Corporate Directory search result into a local directory. This is as a result of not checking the correct attribute such as SIP vs. H.323.
- 58498** Within the re-registration on failover feature, Subscribe now triggers the failover. The phone now sends the register request to the second server after received an ICMP from the primary server.
- 58509** Within the Re-registration on failover feature, the phone no longer sends an extra Register request to primary server after the first failover.
- 58520** Resolved a uni-directional Video Streaming interoperation issue with Siemens Video Desktop Client ODC (*applies to VVX 1500*).
- 58574** The SoundPoint IP 650 phone now validates an existing registration when it is registered with a BroadSoft server.
- 58619** The line no longer becomes unregistered when an invalid name and password is entered from the menu options on the phone. The line becomes unregistered until the phone is rebooted.
- 58782** The phone sets the Call Control 802.1Q Priority correctly when using TCP. The value is set correctly when using UDP.
- 58785** The VVX 1500 phone now appends the MAC address to HTTP user agent headers when configured to do so.
- 58787** The VVX 1500 phone no longer reboots immediately after making a call to an RMX when the Camera Target Frame Rate is set to minimum.
- 58874** When using TCP preferred transport, the phone now resends a 200 OK message after answering a call without receiving an ACK.
- 58906** The phone now clears its BLA state table when receiving a NOTIFY message with state = full after a SUBSCRIBE message.
- 58907** The VVX 1500 phone now sends an INVITE SIP packet when the configuration parameter `msg.mwi.1.callBack=voicemail` and the user presses the Messages key.
- 58908** With BootROM 4.2.1.0334, the VVX 1500 phone no longer sends a truncated Option 60 message.

- 58913** The phone no longer reboots when pressing the Messages key while Message Waiting Indicator is disabled. When the phone has more than one registration and `msg.mwi.1.callBackMode=disabled` and `msg.mwi.2.callBackMode=disabled`, the phone no longer freezes when the Messages key is pressed. The phone will no longer respond to any further key presses.
- 59129** The Centralized Conference feature no longer fails when a URI is incorrectly assigned to `voIpProt.SIP.conference.address`.
- 59262** A conference notification no longer causes the phone to lock-up and then reboot.
- 59308** A retransmitted INVITE message no longer results in a 400 response.
- 59430** Calls received from a mobile to the VVX 1500 no longer cause the phone to display SIP +86...@. The @ should not be displayed.
- 59561** The VVX 1500 phone no longer displays an incorrect time after the configuration parameter `tcpIpApp.snmp.daylightSavings.enable` is set to disabled.
- 59737** The Line Label now displays on the top line of the screen when using the HTML idle display microbrowser page (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 59777** When using NN# speed dial feature, the title no longer displays Directory instead of Speed Dial (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 59949** Idle bitmap graphic is no longer displayed on the bottom of the screen so that only half of the display is utilized when `ind.idleDisplay.mode=2` or `3` (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 59954** The phone no longer locks up and reboots when a Re-INVITE message within same dialog is sent to the phone immediately after sending a CANCEL message for the initial INVITE.
- 59967** When an incorrect CA certificate is installed, the phone will not attempt to retry a TLS handshake (*applies to LDAP on the VVX 1500*).
- 60013** The phone no longer locks up and reboots when accessing the contact directory if `dir.local.readonly=1` (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 60126** Gateways no longer reject an INVITE message when `reg.1.csta=1`. The INVITE includes the header `Acceptapplication/sdp/application/csta+xml`.
- 60145** The SoundPoint IP 650 phone now correctly presents two BLA call appearances. The second call appearance now correctly indicates a remotely held line, when it is not.
- 60264** When a BLA line is showing the dialing screen, remote call appearances no longer display when the remote BLA line resumes a call (*applies to SoundPoint IP 450, 550, 560, 650, and 670*).
- 60266** When a phone is in dialing screen, if a remote SCA/BLA line holds and resumes, the dialing icon no longer changes between the animation arrow and the termination (speaker) icon. The termination icon displays continuously and no longer changes (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 60267** Can now change a checked item twice in the Prioritize Background menu (*applies to SoundPoint IP 550, 560, 650, and 670*).
- 60340** The Join soft key on the SoundPoint IP 650 no longer displays on a phone with a BLA line when there is only one call on the phone.

- 60650** The idle browser on the VVX 1500 no longer alternates between current content and earlier content when it the display is refreshed.
- 62621** SoundPoint IP 321 and 331 phones running SIP 3.2.3.3122 and configured for HTTPS no longer display the error messages *Alert: Fatal, Description, Decode Error*.

## Configuration File Enhancements

Note that the configuration files, their respective parameters and defaults, as well as the provisioning methods have been simplified but extensively modified compared to previous releases.

Before installing the software, it is highly recommended that you first familiarize yourself with the changes outlined in the [Administrators Guide for the Polycom® UC Software – 3.3.0](#) and [Technical Bulletin 60519: Simplified Configuration Enhancements in Polycom® UC Software 3.3.0](#).

## Understanding Updates to SIP 3.2.5

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.5 beside their respective Polycom tracking ID number.

### New or Enhanced Features

- 59000** Phones now ignore BLA dialog documents sent within NOTIFY messages that are reflected to User Agents that are party to the dialog.
- 62939** Various enhancements to the Geo-Redundancy (multiple server failover support) feature. For full details, refer to the list of documents in Section 0.
- 64359** Bridged Line Appearance (BLA) line dialog rendering is now converted from No to Yes on User Agents that are a remote party to the dialog.

### Enhanced Capabilities

- 54219** The SoundPoint IP 560 and 670 phones now establish a data link when connected to some switches when both phone and switch are configured for 100Mbps/Full Duplex.
- 57570** A failover is now performed as a result of a SIP Response code 503.
- 60851** Dialing using the Speaker or Headset key no longer drops the initial call appearance.
- 60973** Entering a username and password using the Quick Setup (QSetup) soft key followed by a request to save, now automatically invokes the phone to reboot the phone in order to the changes to be applied.
- 61248** After configuring a phone with 3 line registrations, while the second line is on hold, if a user hot-dials using the speaker/headset termination key, the phone no longer inadvertently seizes line 3 to dial out.
- 61283** The phone no longer incorrectly sends a NOTIFY with `<param pname=+sip.rendering pvalue=no />` when a user attempts to place a conference call on hold and the phone receives a 400 Bad request.

- 61541** When a user attempts to place a conference on hold and the phone receives a 400 Bad request, the phone correctly sends a NOTIFY with l=no. This no longer causes the incorrect presence, on the other Bridged Line Appearance line, to be displayed.
- 62206** Phone no longer displays Service Unavailable upon lifting the handset and pressing the Line 2 key (*applies to SoundPoint IP 320, 321, 330, 331, and 335*).
- 62226** The phones no longer join a conference after receiving a 403 Forbidden from the switch.
- 62383** A held call on a Bridged Line Appearance with remote phones is now presented (*applies to SoundPoint IP 601*).
- 62567** SoundPoint IP 3xx phones, monitoring each other in a 2x2 BLA configuration, are now able to pick up held calls.
- 62621** SoundPoint IP 3xx phones, configured for HTTPS, no longer display the error messages *Alert: Fatal, Description, Decode Error*.
- 62642** Phones no longer play a dial tone as well as RTP audio when resuming a call held at another phone.
- 62643** When the user presses both line keys (Line 1-hold and Line 2-Active call) simultaneously on the SoundPoint IP 3xx, the active call on Line 2 is no longer dropped.
- 62669** Multiple phones no longer try to resume a held Bridged Line Appearance (BLA) line at the same time.
- 62672** Directed Call Pickup DCP or Group Call Pickup feature (using soft keys instead of \*53 and \*54 feature access codes) no longer fail when the user enters an account code. The account code is not appended to the user portion of the URI.
- 62855** Invoking either the Group Call Pickup or Directed Call Pickup feature, using its corresponding soft key, now functions properly. The display shows Unknown and the call is not picked up (*applies to SoundPoint IP 3xx*).
- 62902** The phone now accepts inbound SIP requests from an RROFO (Geo-redundancy) server that is not registered with that phone.
- 62926** The Resume soft key on the SoundPoint IP 3xx is now presented when the line key is pressed continuously while the line is in a remote held call state. This occurs when the line is configured as `callsPerLineKey=1`.
- 63099** The phone's monitoring Bridged Line Appearance (BLA) line, configured for one call per line, can now pick up the held call after the call on a BLA line has been put on hold using the Transfer/Conference key.
- 63280** Regarding Geo-redundancy RROFO, calls on hold are now released when pressing the Resume soft key after the IP BE failover occurs while using the geo-redundancy feature. The user no longer needs to press the End Call soft key to complete the intended result.
- 63388** If a phone's SIP lines are not registered with a call server, and the Emergency Call Routing Feature is enabled (by configuring the `dialplan.routing.emergency.x.value` and `dialplan.routing.emergency.x.server.y` parameters) dialing the configured emergency number will now work when you use on-hook dialing and when URL Dialing is enabled.



- 63536** The Redial feature functions correctly after invoking an outgoing call accompanied with an account code.
- 63631** The counting down aspect of the Geo-redundancy RROFO-DNSTTL feature no longer fails during failback. The Time-To-Live TTL timer should be reset after re-registering to the secondary server.
- 63704** Regarding Geo-redundancy RROFO, the phone no longer sends three extraneous registration requests to the primary proxy server during a failover.
- 64093** Regarding Geo-redundancy RROFO, a failover using either the Conference or Transfer feature now stops a consultative call when the primary call is terminated.
- 64212** Invoking the Call Park feature on the SoundPoint IP 3xx with the soft key now functions correctly when the soft key is configured as 1 line and 1 call per line.
- 64219** The SoundPoint IP 3xx phone sends a proper hold NOTIFY message after a consultative transfer is canceled when the configuration parameter `notifyTransferHoldAsActive` is disabled.
- 64274** In an attempt to resume a held call, the held call is no longer terminated when the user inadvertently seizes two line keys simultaneously.
- 64327** In an attempt to answer an incoming call, the user no longer inadvertently presses two line keys. The user is no longer connected to both lines one with an incoming caller and the other with dial tone.
- 64340** The indicator, on a Bridged Line Appearance (BLA) line that is monitoring other lines, no longer remains on continuously after the monitored phone performs the following sequence transfer > split > endcall > resume > hold.
- 64356** The display on the SoundPoint IP 3xx showing a remote call appearance now times out properly when the user presses continuously a BLA line key followed by pressing a down arrow key while there are multiple calls on hold on the remote BLA.
- 64360** The state of the indicator of a BLA line appearance is now properly reported after the phone receives an INVITE containing replaces.
- 64762** When special characters in the FROM field are received, they no longer prevent the SoundPoint IP 430 phone from displaying Caller ID information.
- 64862** Joining an internal extension with an external PSTN call no longer causes one call to drop.
- 65119** When a Bridged Line Appearance (BLA) line is presented in a dialing screen, the remote call appearance now displays when the remote BLA line resumes a call.
- 65207** A slow memory leak no longer occurs in the SIP stack due to the receipt of hunt group INVITE containing replaces with phones using ADTRAN switches.
- 65368** When the configuration parameter `signalWithUnregistered=0`, the phone now always ignores all of the messaging traffic.
- 65842** Call waiting tone no longer continues to play after an inbound call has been forwarded and answered by the PSTN.
- 67178** Centralized conference can now be established when `reg.1.lineKeys` is 5 or greater (*applies to all SoundPoint IP*).

## Configuration File Enhancements

Refer to [Table 16: Software Version 3.2.5 – Configuration File Parameter Enhancements](#) for a list of enhancements made to the SIP 3.2.5 configuration file parameters.

**Table 16: Software Version 3.2.5 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>
phone1	Added	reg.n.server.m.failOver.onlySignalWithRegistered	N/A	Null
phone1	Added	reg.n.outboundProxy.failOver.onlySignalWithRegistered	N/A	Null
phone1	Added	reg.n.filterReflectedBladialogs	N/A	Null
sip	Added	voIpProt.server.n.failOver.onlySignalWithRegistered	N/A	Null
sip	Added	voIpProt.SIP.CID.sourcePreference	N/A	Null
sip	Added	voIpProt.SIP.failoverOn503Response	N/A	1
sip	Added	voIpProt.SIP.outboundProxy.failOver.onlySignalWithRegistered	N/A	Null
sip	Added	call.localConferenceEnabled	N/A	1

## Understanding Updates to SIP 3.2.4B

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.4B beside their respective Polycom tracking ID number.

### Enhanced Capabilities

**66743** Phones may be vulnerable to Denial of Service attacks when used in certain configurations. Sending HTTP GET requests with a broken authorization header can produce a device restart under certain circumstances in certain models of phones. For full details, refer to [Technical Bulletin 66743](#).

## Understanding Updates to SIP 3.2.4

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.4 beside their respective Polycom tracking ID number.

## Enhanced Capabilities

- 59308** A retransmitted INVITE message causes a 400 Bad Response reply. This is in violation of RFC 3261 section 17.2.1.
- 65207** A consistent but slow memory leak occurs as a result of receiving INVITE messages containing replaces.
- 65435/65725** With reference to IEC 60268-1, the default and maximum values for the headset and headphone audio levels have been adjusted to ensure compliance with the IEC 60268-1 TUV safety requirements (*applies to SoundPoint IP/VVX 1500*).
- 65660** The BootBlock may become corrupted as a result of accessing unprotected section of flash memory.

## Understanding Updates to SIP 3.2.3

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.3 beside their respective Polycom tracking ID number.

## New or Enhanced Features

- 43099** Added support for the SoundStation IP 5000 conference phone.
- 43297** Sound effects can now be played out of a destination based on user configuration. The available destinations are: *chassis*, *handset*, *headset* or *active*. The default is *chassis*.
- 45462** All SoundPoint and SoundStation phones now comply with retry-after instructions embedded in SIP Response codes 500 and 503 as part of REGISTER and other requests.
- 50739** On a multi-leg conference on the SoundStation IP 7000, when the End Call soft key or the On Hook hard key is pressed, the conference phone will ask the user if the entire call should terminate. A negative response will guide the user to the conference manage menu to allow the user to terminate the individual legs of the call. The dialog only appears for multi-leg conference calls.
- 51753** Enhanced the appearance on the SoundPoint IP 450 of anti-aliased characters.
- 51940** All SIP phones now have a failover feature that enables phones to re-register before diverting SIP signaling to an alternate server. This feature will be formally released and documented in a future release.
- 54041** Format of DHCP Option 60 Data is now configurable and added support for Option 125 as per RFC 3925.
- 54983** Internal IP address of the VVX 1500 phone (instead of an alias) is no longer being sent in the Facility Message.
- 55524** Logs no longer display Cant set 802.1Q VLAN ID for TCP protocol messages at default when running on a VLAN.
- 56272** Network Configuration DHCP submenu now supports Option 60 format. The new options include setting either RFC 3925 Binary [default] or ASCII String.

## Enhanced Capabilities

- 45188** The minimum acceptable amount of free RAM has been increased on the SoundPoint IP 320, 330, and 430 in order that functions such as ringtones are not affected.
- 47897** The Back soft key works when a user tries to exit from Instant Message menu.
- 52119** VVX 1500 phones no longer reboot during G.729 packet loss concealment such as when the remote phone is placed on hold.
- 52787** The configuration parameter `voIpProt.SIP.requestValidation.x.method=source` does works with DNS SRV Static Cache.
- 53473** When the SoundStation IP 7000 is used with an HDX, the parameter `voice.volume.persist.handsfree=0` also affects the HDX.
- 54549** Changes in the display color palette on the SoundPoint IP 450 no longer cause contrast problems.
- 54751** SIP INVITE messages can be sent when dialing a number containing the period character.
- 54832** Phone enables user to add more than 32 characters in Hot Dial screen (*applies to VVX 1500, 321, 325, 330, 331, and 335*).
- 54867** In the Contact Directory, the text fields scroll to the left to reveal the first character as you move the text cursor left (*applies to SoundPoint IP 321, 325, 330, 331, and 335*).
- 54908** An unexpected colon has been removed in the scrolling status line during an incoming call (*applies to SoundPoint IP 321, 325, 330, 331, and 335*).
- 55099** In a long SRTP conference, steering video on the VVX 1500 between active and inactive no longer causes the video leg to fail.
- 55120** Dialing numbers in the Contact Directory no longer opens contacts for editing (*applies to SoundPoint IP 550, 560, 650, and 670*).
- 55296** On the VVX 1500, the dial pad widget displays when attempting to conference or transfer a held call while in a ringback state.
- 55378** The VVX 1500 phone can invoke LCD power down mode after a remote end places the call on hold.
- 55415** The phone enables the user to enter more characters than it is capable of saving in the Contact Directory fields.
- 55420** The VVX 1500 phone can play back video after a SIP re-INVITE message is sent to an RMX meeting room.
- 55560** The VVX 1500 phone displays correct call timer values while in an H.323 call to an RMX-2000.
- 55618** Switching to Katakana characters before the character selection widget times out no longer produces random characters that on occasion cause the phone to malfunction (*applies to SoundPoint IP 450, 550, 560, 650, 670; SoundStation IP 5000 and 7000*).
- 55844** Proceeding outgoing call state on one line is adversely affected by an outgoing call on another line (*applies to SoundPoint IP 321, 325, 330, 331, and 335*).
- 55884** The displays on a SoundPoint IP 650 with expansion modules no longer freeze during a consultative transfer.

- 56032** SoundPoint IP 650 phones with two expansion modules no longer reboot while monitoring continuous BLF traffic.
- 56488** In packets sent from the client, the Parameter Request List option no longer contains two duplicate requests for the options Router (3) and Domain Name (15) (*applies to SoundStation IP 6000 and 7000*).
- 56641** Phone no longer ignores the LLDP broadcast from a switch. It will default to the data VLAN instead of the voice VLAN. There is a LOSS of LINK during the boot process causing LLDP to fail (*applies to SoundStation IP 6000 and 7000*).
- 56836** After dialing and then adjusting the volume, lifting the handset no longer dials the last hot-dialed number immediately (*applies to SoundPoint IP 550, 560, 650, and 670*).
- 57133** The SoundPoint IP 321, 330, and 331 phones can display a customer supplied logo.
- 57457** The LoudRing.wav audio file has been distributed in release 3.2.2.
- 57796** Invalid Message-Summary Event no longer results in invalid MWI notification.
- 57849** The SoundPoint IP 330 and 550 phones can acquire the correct VLAN via LLDP.
- 58024** The Hold function on the VVX 1500D no longer fails in a specific customer scenario.
- 58024** The Hold function on the VVX 1500D no longer fails in a specific customer scenario.

## Configuration File Enhancements

Refer to [Table 17: Software Version 3.2.3 – Configuration File Parameter Enhancements](#) for a list of enhancements made to the SIP 3.2.3 configuration file parameters.

**Table 17: Software Version 3.2.3 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>New Value</i>
phone1	Added	reg.n.server.1.failOver.reRegisterOn	
phone1	Added	reg.n.server.1.failOver.failBack.mode	
phone1	Added	reg.n.server.1.failOver.failBack.timeout	
phone1	Added	reg.n.server.2.failOver.reRegisterOn	
phone1	Added	reg.n.server.2.failOver.failRegistrationOn	
phone1	Added	reg.n.server.2.failOver.failBack.mode	
phone1	Added	reg.n.server.2.failOver.failBack.timeout	
phone1	Added	reg.n.outboundProxy.failOver.reRegisterOn	
phone1	Added	reg.n.outboundProxy.failOver.failRegistrationOn	
phone1	Added	reg.n.outboundProxy.failOver.failBack.mode	
phone1	Added	reg.n.outboundProxy.failOver.failBack.timeout	

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>New Value</i>
phone1	Added	reg.n.useCompleteUriForRetrieve	1
sip	Added	voIpProt.server.1.failOver.reRegisterOn	
sip	Added	voIpProt.server.1.failOver.failRegistrationOn	
sip	Added	voIpProt.server.1.failOver.failBack.mode	
sip	Added	voIpProt.server.1.failOver.failBack.timeout	
sip	Added	voIpProt.server.2.failOver.reRegisterOn	
sip	Added	voIpProt.server.2.failOver.failRegistrationOn	
sip	Added	voIpProt.server.2.failOver.failBack.mode	
sip	Added	voIpProt.server.2.failOver.failBack.timeout	
sip	Added	voIpPort.SIP.useCompleteUriForRetrieve	1
sip	Added	voIpProt.SIP.outboundProxy.failOver.reRegisterOn	
sip	Added	voIpProt.SIP.outboundProxy.failOver.failRegistrationOn	
sip	Added	voIpProt.SIP.outboundProxy.failOver.failBack.mode	
sip	Added	voIpProt.SIP.outboundProxy.failOver.failBack.timeout	
sip	Added	voIpProt.H323.blockFacilityOnStartH245	0
sip	Added	se.destination	chassis
sip	Added	voice.codecPref.IP_5000.G711Mu	2
sip	Added	voice.codecPref.IP_5000.G711A	3
sip	Added	voice.codecPref.IP_5000.G729AB	4
sip	Added	voice.codecPref.IP_5000.G722	1
sip	Added	voice.codecPref.IP_5000.iLBC.13_33kbps	
sip	Added	voice.codecPref.IP_5000.iLBC.15_2kbps	
sip	Added	voice.gain.rx.analog.chassis.IP_5000	0
sip	Added	voice.gain.rx.analog.ringer.IP_5000	0
sip	Added	voice.gain.rx.digital.chassis.IP_5000	11
sip	Added	voice.gain.rx.digital.ringer.IP_5000	-12
sip	Added	voice.gain.tx.analog.chassis.IP_5000	0
sip	Added	voice.gain.tx.digital.chassis.IP_5000	15

File	Change	Configuration Parameter	New Value
sip	Added	voice.aes.hf.duplexBalance.IP _5000.0	10
sip	Added	voice.aes.hf.duplexBalance.IP _5000.1	9
sip	Added	voice.aes.hf.duplexBalance.IP _5000.2	8
sip	Added	voice.aes.hf.duplexBalance.IP _5000.3	7
sip	Added	voice.aes.hf.duplexBalance.IP _5000.4	6
sip	Added	voice.aes.hf.duplexBalance.IP _5000.5	5
sip	Added	voice.aes.hf.duplexBalance.IP _5000.6	4
sip	Added	voice.aes.hf.duplexBalance.IP _5000.7	3
sip	Added	voice.aes.hf.duplexBalance.IP _5000.8	2
sip	Added	voice.ns.hf.IP _5000.enable	1
sip	Added	voice.ns.hf.IP _5000.signalAttn	-6
sip	Added	voice.ns.hf.IP _5000.silenceAttn	-9
sip	Added	voice.rxEq.hf.IP _5000.preFilter.enable	1
sip	Added	voice.rxEq.hf.IP _5000.postFilter.enable	0
sip	Added	voice.txEq.hf.IP _5000.preFilter.enable	0
sip	Added	voice.txEq.hf.IP _5000.postFilter.enable	1

## Understanding Updates to SIP 3.2.2

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.2 beside their respective Polycom tracking ID number.

### New or Enhanced Features

- 41450** Change of the real time operating system (*applies to VVX 1500*).
- 43760** H.323 signaling protocol support for video (*applies to VVX 1500*).
- 43862** Support for Webkit browser to replace the XHTML browser (*applies to VVX 1500*).
- 45172** Support for iLBC audio codec (*applies to VVX 1500*).
- 47173** Support for H.261 video codec (*applies to VVX 1500*).
- 48557** Max video bit rate defaults to 384 kbps (*applies to VVX 1500*).
- 48743** Upgraded curl library to version 7.19 (*applies to VVX 1500*).

- 48961** Support for H.235 security (*applies to VVX 1500*).
- 49069** Added support for iLBC audio codec (*applies to SoundStation IP 6000 and 7000*).
- 49079** Support for mutual TLS authentication (*applies to VVX 1500*).
- 49277** Support for LLDP protocol (*applies to VVX 1500*).
- 49430** Added ITU-T G.719 vocoder (*applies to VVX 1500*).
- 50125** Outgoing calls support dual (SIP /H.323) protocols (*applies to VVX 1500*).
- 51084** Support for video fast update request via RTCP, RFC 5104 (*applies to VVX 1500*).
- 52944** Menu support applicable to H.323 usage (*applies to VVX 1500*).
- 53849** Formalized support for DTMF via SIP INFO (initially supported in SIP 3.2.0).
- 54025** Increased maximum size of contact directory to 128 to facilitate complex dialing scenarios.
- 54239** Added user accessible menu option to select the video call rate. Default configured using the configuration parameter `video.callRate` (*applies to VVX 1500*).

## Discontinued Features

- 52522** Removed Launchpad Feature (*applies to VVX 1500*).

## Enhanced Capabilities

- 44782** Improved phone UI response when a local conference is active (*applies to VVX 1500*).
- 44980** Phone falls back to configured video codec configuration for Tx video when incoming signaling lacks codec modifiers (*applies to VVX 1500*).
- 47023** Text font no longer randomly changes (*applies to VVX 1500*).
- 47476** Using the XML API, when the user is inside an XHTML Form Field, the Submit soft key displays properly.
- 47768** CDP power usage advertisement matches the peak power conditions (*applies to SoundPoint IP 450*).
- 48175** EFK feature can establish conference calls (*applies to VVX 1500*).
- 48784** Soft keys are restored after rejecting a call from within the Applications UI context (*applies to VVX 1500*).
- 48857** Recording (R) no longer stops or reboots phone in various high load scenarios such as (a) recording during SRTP conference call, or (b) recording while browsing the application menu during non-SRTP conference call (*applies to VVX 1500*).
- 48921** Digit key presses are no longer missed in certain scenarios (*applies to VVX 1500*).
- 50152** Change non-null sticky primary filter, search (filtered) bar remains on old data (*applies to VVX 1500*).
- 50192** Media Statistics menu displays correctly for several languages (*applies to VVX 1500*).



- 50286** Pressing page down key # does not move entry list after pressing page up key \* in quick search menu (*applies to VVX 1500*).
- 50531** The SoundStation IP 7000 phone can startup without network connection when using the PIC cable.
- 50624** Phone sends a 603 Decline message when an inbound call times out.
- 51141** A small number on the left side of the scrolling status bar has been removed.
- 51449** Out of Dialog Refer based dialing on the VVX 1500 no longer fails. SDP on INVITE from VVX is missing media attributes, generating a 606 response.
- 51533** Backlight intensity change updates appropriately in Overrides configuration file.
- 51605** VVX 1500 phones correctly handle back-to-back Push requests.
- 51643** Japanese displays properly on the SoundStation IP 6000 and VVX 1500.
- 51753** Display text on the SoundPoint IP 450 looks clearer.
- 51959** Handling of Hold re-Invites is correct after one-touch blind transfer to full park orbit.
- 51965** HTTP request messages are directed to proxy.
- 52164** Hot-dial on the VVX 1500 works in headset mode.
- 52360** Auth Password field can no longer be viewed in Web configuration page.
- 52365** Phones can easily transition from LLDP to CDP.
- 52370** Removing Ethernet cable from the SoundStation IP 7000 no longer un-mutes the muted phone.
- 52376** The parameter `daylightSavingsTime` can now be disabled. Introduced in SIP 3.2.0 (*applies to SoundStation IP 6000 and 7000*).
- 52381** The Retrieve, Directed, and Group soft keys no longer disappear after entering some digits. This occurs when using the Call Park/Pick-Up feature using SIP signaling. Introduced in SIP 3.2.0 (*applies to SoundPoint IP 430, 450, and SoundStation 6000*).
- 52415** When using enhanced BLF, ringtones are no longer suppressed when a user is parked.
- 52568** The SoundStation IP 7000 phone plays DTMF tone with the default configuration.
- 52580** Delayed DTMF audio feedback is heard when conferencing third POTS end while using the SoundStation IP 7000 User Interface.
- 52656** The VVX 1500 phone supports transcoding of video codecs that are not included in the far ends capability set
- 52678** Using the quick/AdvFind search on full last name in the Corporate Directory no longer misses some entries.
- 52709** License menu displays Active to indicate a license with no expiry date.
- 52770** Message-summary SUBSCRIBE is sent when `reg.x.type=shared`.
- 52836** Phone no longer enables the user to enter more than the maximum allowed (32) characters in hot dial and contact directory operations.
- 52860** Split soft key no longer displays while transferring calls if the call per line limit is reached.

- 52883** When a call is placed to a shared line, the ringer for an IP 650 no longer stutters when the call is picked up at another station.
- 52943** LLDP reported power usage in logs indicates appropriate power consumption.
- 52950** Packet Loss and Burst Gap Loss metrics too high when calling IVR, caused by valid gap in audio sent from IVR.
- 52963** The SoundPoint IP 320, 321, 330, and 331 phones no longer reboot when the user presses NN# from idle screen to invoke Contact Directory entry screen for NN speed dial index.
- 52971** Phone no longer reboots when the `efkprompt` label is longer than 32 characters.
- 52977** The Directory soft key on the VVX 1500 does not disappear after selecting Blind transfer mode.
- 53007** VQMon on the VVX 1500 phone computes RFactor and MOS quality scores for the G7221C codec.
- 53034** SUBSCRIBE for BLA with expires: 0 received from server is recognized as terminating the subscription
- 53254** VVX 1500 enables users to change Auth Password for SIP Lines through the phone's user interface.
- 53598** Side-tone disappears after a call hangs up on headset using GN9350e with EHS.
- 53656** Part number in Phone Status menu displays proper part number.
- 53855** When a phone's extension has an underscore in the name, followed only by numbers, the underscore is no longer removed in SIP signaling and the device can be found.
- 53917** Phone no longer reboots in a certain scenario when using the Join key.
- 53944** SoundPoint IP 320, 330, 321, and 331; SoundStation IP 7000: Phone displays Dir soft key in Korean and Slovenian languages.
- 53946** SoundPoint IP 550, 560, 650, and 670 phones no longer randomly display the time and date behind a custom idle display.
- 53975** Phones will send a SUBSCRIBE message in a certain scenario when using SCA with barge-in enabled.
- 54034** The VVX 1500 phone no longer generates loud static when CNG packets are received.
- 54139** Consultative transfer uses the correct URI on REFER.
- 54262** The Ethernet status menu on the SoundPoint IP 320 and 321 displays the correct information.
- 54631** The Voice/Video call type prompt on the SoundStation IP 7000 defaults to Voice.
- 54765** The VVX 1500 phone fails to resend INVITE after 401 from server when second INVITE is roughly 1500 bytes.
- 54768** VVX 1500 phones can establish calls properly when booted without a network connection.
- 54886** Phones send re-Invite with SDP containing session attribute `a=sendrecv` upon resuming a call when the call is initiated with `a=sendrecv` offered.
- 54940** New REQUESTS sent directly to far end; route set ignored after a call is placed on MOH, resulting in a loss of audio.

**55052** Additional parameter in the From header of INVITE no longer causes 1-way audio when it is not found in the ACK to a 200 OK.

## Configuration File Enhancements

Refer to [Table 18: Software Version 3.2.2 – Configuration File Parameter Enhancements](#) for a list of enhancements made to the SIP 3.2.2 configuration file parameters.

**Table 18: Software Version 3.2.2 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>
phone1	Added	call.autoOffHook.1.protocol		
phone1	Added	call.autoOffHook.2.protocol		
phone1	Added	call.autoOffHook.3.protocol		
phone1	Added	call.autoOffHook.4.protocol		
phone1	Added	call.autoOffHook.5.protocol		
phone1	Added	call.autoOffHook.6.protocol		
phone1	Added	reg.1.protocol.H323		
phone1	Added	reg.1.protocol.SIP		
phone1	Added	reg.1.server.H323.1.address		
phone1	Added	reg.1.server.H323.1.expires		
phone1	Added	reg.1.server.H323.1.port		
phone1	Added	reg.2.protocol.H323		
phone1	Added	reg.2.protocol.SIP		
phone1	Added	reg.2.server.H323.1.address		
phone1	Added	reg.2.server.H323.1.expires		
phone1	Added	reg.2.server.H323.1.port		
phone1	Added	reg.3.protocol.H323		
phone1	Added	reg.3.protocol.SIP		
phone1	Added	reg.3.server.H323.1.address		
phone1	Added	reg.3.server.H323.1.expires		
phone1	Added	reg.3.server.H323.1.port		

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>
phone1	Added	reg.4.protocol.H323		
phone1	Added	reg.4.protocol.SIP		
phone1	Added	reg.4.server.H323.1.address		
phone1	Added	reg.4.server.H323.1.expires		
phone1	Added	reg.4.server.H323.1.port		
phone1	Added	reg.5.protocol.H323		
phone1	Added	reg.5.protocol.SIP		
phone1	Added	reg.5.server.H323.1.address		
phone1	Added	reg.5.server.H323.1.expires		
phone1	Added	reg.5.server.H323.1.port		
phone1	Added	reg.6.protocol.H323		
phone1	Added	reg.6.protocol.SIP		
phone1	Added	reg.6.server.H323.1.address		
phone1	Added	reg.6.server.H323.1.expires		
phone1	Added	reg.6.server.H323.1.port		
sip	Added	call.autoAnswer.H323		0
sip	Added	call.autoAnswer.micMute		1
sip	Added	call.autoAnswer.ringClass		4
sip	Added	call.autoAnswer.SIP		0
sip	Added	call.autoAnswer.videoMute		0
sip	Added	call.autoRouting.preference		line
sip	Added	call.autoRouting.preferredProtocol		SIP
sip	Removed	httpd.lp.port		
sip	Removed	httpd.ta.enabled		
sip	Added	log.level.change.h323		4
sip	Added	log.level.change.poll		4
sip	Added	log.level.change.push		4

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>
sip	Added	log.level.change.wmgr		4
sip	Removed	mb.launchpad.enabled		
sip	Removed	mb.main.1.icon		
sip	Removed	mb.main.1.text		
sip	Removed	mb.main.1.url		
sip	Removed	mb.main.2.icon		
sip	Removed	mb.main.2.text		
sip	Removed	mb.main.2.url		
sip	Removed	mb.main.3.icon		
sip	Removed	mb.main.3.text		
sip	Removed	mb.main.3.url		
sip	Removed	mb.main.4.icon		
sip	Removed	mb.main.4.text		
sip	Removed	mb.main.4.url		
sip	Removed	mb.main.5.icon		
sip	Removed	mb.main.5.text		
sip	Removed	mb.main.5.url		
sip	Removed	mb.main.6.icon		
sip	Removed	mb.main.6.text		
sip	Removed	mb.main.6.url		
sip	Added	sec.H235.mediaEncryption.enabled		1
sip	Added	sec.H235.mediaEncryption.offer		0
sip	Added	sec.H235.mediaEncryption.require		0
sip	Added	up.callTypePromptPref		1
sip	Added	up.enableCallTypePrompt		1
sip	Changed	up.idleBrowser.enabled	0	
sip	Added	up.manualProtocolRouting		1

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>
sip	Added	up.manualProtocolRouting.softKeys		1
sip	Changed	video.autoStartVideoTx		1
sip	Added	video.callRate		448
sip	Added	video.codecPref.H261		4
sip	changed	video.enable		1
sip	Added	video.forceRtcpVideoCodecControl		0
sip	Changed	video.maxCallRate		512
sip	Added	video.profile.H261.annexD		
sip	Added	video.profile.H261.CifMpi		1
sip	Added	video.profile.H261.jitterBufferMax		2000
sip	Added	video.profile.H261.jitterBufferMin		150
sip	Added	video.profile.H261.jitterBufferShrink		70
sip	Added	video.profile.H261.QcifMpi		1
sip	Changed	video.screenMode		normal
sip	Changed	video.screenModeFS		normal
sip	Added	voice.audioProfile.G719.32kbps. payloadType		107
sip	Added	voice.audioProfile.G719.48kbps. payloadType		108
sip	Added	voice.audioProfile.G719.64kbps. payloadType		109
sip	Added	voice.audioProfile.G719.jitterBufferMax		200
sip	Added	voice.audioProfile.G719.jitterBufferMin		40
sip	Added	voice.audioProfile.G719.jitterBuffer Shrink		1500
sip	Added	voice.audioProfile.G719.payloadSize		20
sip	Added	voice.codecPref.VVX_1500.G719.32kbps		
sip	Added	voice.codecPref.VVX_1500.G719.48kbps		

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>
sip	Added	voice.codecPref.VVX_1500.G719.64kbps		
sip	Changed	voice.gain.tx.digital.chassis.VVX_1500	6	3
sip	Added	voIpProt.H323.autoGateKeeperDiscovery		0
sip	Added	voIpProt.H323.dtmfViaSignaling.enabled		1
sip	Added	voIpProt.H323.dtmfViaSignaling. H245alphanumericMode		1
sip	Added	voIpProt.H323.dtmfViaSignaling. H245signalMode		1
sip	Added	voIpProt.H323.enable		0
sip	Added	voIpProt.H323.local.port		1720
sip	removed	voIpProt.local.port		
sip	Added	voIpProt.server.H323.1.address		
sip	Added	voIpProt.server.H323.1.expires		
sip	Added	voIpProt.server.H323.1.port		
sip	Added	voIpProt.SIP.dtmfViaSignaling.rfc2976		
sip	Added	voIpProt.SIP.enable		1
sip	Added	voIpProt.SIP.local.port		5060

## Understanding Updates to SIP 3.2.1B

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.1B beside their respective Polycom tracking ID number.

### New or Enhanced Features

**48947** Support for the SoundPoint IP 335 product.

### Configuration File Enhancements

Refer to [Table 19: Software Version 3.2.1B – Configuration File Parameter Enhancements](#) for a list of enhancements made to the SIP configuration file parameters.

**Table 19: Software Version 3.2.1B – Configuration File Parameter Enhancements**

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>New Value</i>	<i>Description</i>
sip	added	ind.anim.IP_335.42.frame.1.bitmap	Handset	See Administrators Guide for SIP 3.2.2 for details
sip	added	ind.anim.IP_335.42.frame.1.duration	1300	
sip	added	ind.anim.IP_335.42.frame.2.bitmap	PlumHd	See Administrators Guide for SIP 3.2.2 for details
sip	added	ind.anim.IP_335.42.frame.2.duration	1300	
sip	added	ind.anim.IP_335.43.frame.1.bitmap	Headset	See Administrators Guide for SIP 3.2.2 for details
sip	added	ind.anim.IP_335.43.frame.1.duration	1300	
sip	added	ind.anim.IP_335.43.frame.2.bitmap	PlumHd	See Administrators Guide for SIP 3.2.2 for details
sip	added	ind.anim.IP_335.43.frame.2.duration	1300	
sip	added	ind.anim.IP_335.44.frame.1.bitmap	Speaker	See Administrators Guide for SIP 3.2.2 for details
sip	added	ind.anim.IP_335.44.frame.1.duration	1300	
sip	added	ind.anim.IP_335.44.frame.2.bitmap	PlumHd	See Administrators Guide for SIP 3.2.2 for details
sip	added	ind.anim.IP_335.44.frame.2.duration	1300	

## Understanding Updates to SIP 3.2.1

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.1 beside their respective Polycom tracking ID number.

### Enhanced Capabilities

**53322** Setting `voIpProt.local.port` to a non-standard port does not send from or advertise that port.

**53611** User Language Selection is retained during an upgrade to SIP 3.2.0.

**53685** Phones no longer ignore `nat.ip` parameters.

**53852** DTMF duration on the SoundStation IP 7000 defaults to 300ms for HDX integration.

## Understanding Updates to SIP 3.2.0

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.2.0 beside their respective Polycom tracking ID number.



## New or Enhanced Features

- 22527** Implemented Scrolling Status Bar on the SoundPoint IP 320, 321, 330, 331, 550, 560, 650, 670, and SoundStation IP 6000 and 7000.
- 26754** Support for the iLBC codec on the SoundPoint IP 320, 321, 330, 331, 450, 550, 560, 650, and 670.
- 30079** Added support for mutual TLS authentication. See [Technical Bulletin 52609](#) for more details on this feature.
- 32259** Microbrowser recognizes multiple mime types.
- 32753** Support for LLDP protocol. To take full advantage of this feature, you will need to use BootROM 4.2.0.
- 34782** Replaced libSRTP algorithms with OpenSSL versions.
- 35525** The DND icon contains text identifying that DND is active.
- 37118** Added the ability to take a screen capture.
- 39358** Added a Loud Ringer Ringtone selection. See [Technical Bulletin 39358](#) for instructions on how this can be configured.
- 30855** Create a SoundStation IP 7000 Setup Guide.
- 41579** Met requirements of ETSI TS 102 027-2 v4.1.1 RFC 3261 compliance test for Anatel/Brazil.
- 43141** Support for Statically Configured BLF and Call Park and Retrieve enhancements.
- 43142** Support for single button Blind Transfer and Retrieve of a call designated as an automata in the dialog used for Statically Configured BLF.
- 43646** Improved boot speed in some situations where the boot server is incorrectly configured.
- 45057** Languages selection presented in appropriate language.
- 45174** Upgraded zlib to version 1.2.3.
- 45743** Upgraded curl library to version 7.19.2.
- 45787** Added instructions to the SoundPoint IP 450, 550, 560, 650, and 670 for changing label colors in the User Guides.
- 45791** Added a configuration option on the SoundStation IP 7000 to disable digit-map rules for Remote Dialing when connected to an HDX.
- 46093** Added the ability for User to enable/disable display of idle browser from menu.
- 46113** Added navigation button shortcuts in Idle Mode consistent with other phone models (*applies to SoundPoint IP 320, 321, 330, and 331*).
- 46248** Added an Admin menu option on the SoundStation IP 7000 to manually specify the value to be used as the extension displayed on the phone screen.
- 46424** Improved readability of Menu items when using Background images on the display.
- 46446** New menu option to view the status of feature licenses.
- 46683** Removed Background from scrolling Status Bar for improved readability.

- 47355** Scrolling Status Bar gives equal time to each status message.
- 47390** Added configuration parameters for select ETSI SIP compliance requirements.
- 47463** Phones allow for secure entry of passwords in the microbrowser API.
- 47487** Added the ability to enable/disable a Back soft key in the microbrowser
- 47689** Added support for SoundStation IP 7000/HDX 6000 Integration. This feature requires a future update release to the HDX6000 software.
- 47749** Support Transmission of Join Header as per RFC 3911.
- 48004** Support for BLF call pick-up using Dialog-info within an INVITE with Replaces header.
- 48055** Improved user experience of the Enhanced BLF feature when an incoming call occurs whilst the user is viewing BLF-monitored line call details.
- 48109** Included fmtp attribute specifying Mode=30 in the SDP when 13.33 kbps iLBC is used.
- 48136** Removed platform specific TFTP code and instead used TFTP support in curl library 7.19.2.
- 48137** Support for BLF call pick-up using Dialog-info within an INVITE with Replaces header.
- 48205** Support for the iLBC Codec (*applies to SoundStation IP 6000 and 7000*).
- 48559** Consistent scrolling status line on various phones (*applies to SoundPoint IP 450, 550, 560, 650, and 670; SoundStation IP 6000 and 7000*).
- 48578** Reduced the local Contact Directory maximum to 99 on the SoundPoint IP 430.
- 48579** Reduced the maximum number of calls supported to 4 (from 8) on the SoundPoint IP 430.
- 48664** Added user accessible menu option to display whether a device certificate is installed.
- 48678** Media Statistics menu is more easily accessible. Accessed from Menu > Status > Diagnostics > Media Statistics.
- 48738** Added configurable behavior for Directed Call Pick-Up as used for Enhanced BLF.
- 48780** Added option to apply digit-map rules to tel:URI initiated calls.
- 48846** Added configuration option for whether the call appearance on a remotely monitored BLF line should be presented on the monitoring/attendant phone.
- 48861** Add configuration option `voIpProt.SIP.strictReplacesHeader` to control whether the phone requires call-id, to-tag, and from-tag to perform and INVITE with Replaces.
- 48984** Phone will populate the display-name field in the To header of responses that it generates.
- 48998** Added configuration option for the phone to send 486 Busy when a call is rejected.
- 49309** Combined the SoundPoint IP 550 and 560 user guides.
- 49465** Updated Destination of outbound call based on the display name in the SIP To header responses.
- 49660** During call forwarding, `user=phone` should be included in `refer-to` parameter of Refer header.
- 49695** Allow for SDP offer or answer in provisional reliable response and PRACK request and response.
- 49839** RTP Rx detects and corrects for G.722, G.722.1, G.722.1C, and G.719 RTP timestamp increments based on different sample rates.

- 50769** Added support for Hook-Flash during POTS calls on the SoundStation IP 7000.
- 50927** Added Equifax Secure eBusiness CA-1 to the trusted CA list.
- 51419** RFC2543 Hold not working when video SDP present in certain scenarios.

## Discontinued Features

- 48283** Removed support for SoundPoint IP 301, 501, 600, and 601 phones.
- 48698** Removed support for SoundStation IP 4000.

## Enhanced Capabilities

Application load progress bar matches actual progress.

- 29148** Phone formats the file system when it notes an error on the screen while loading large configuration files.
- 29344** HTTP Digest Authentication works on IIS.
- 30219** Logs are uploaded when phone resets to factory default.
- 31858** When two phones with a shared line simultaneously resume a held call, the phone which did not retrieve the call shows call in progress on its shared line indicator.
- 34681** The parameters `stickyAutoLineSeize` and `call.enableOnNotRegistered=0` do not seize correctly if the first line is unregistered.
- 35288** The Web Configuration Utility uses less memory during initialization.
- 35991** The Roaming Buddy list with Office Communicator reports the proper status of all buddies.
- 36969** The SoundStation IP 6000 displays Japanese language correctly.
- 38348** The SRTP call displays proper line icons in a certain scenario on the SoundPoint IP 320, 321, 330, and 331.
- 38392** Performing a Blind Transfer from an encrypted phone to an unencrypted private line establishes the new call as encrypted.
- 38418** Phones no longer show SRTCP authentication failure at log level 0.
- 38824** After audio diagnostics such as Record and Play in handset, the first call is no longer established in handset mode even if the handset is ON-HOOK.
- 39013** Attaching a cell phone cable to the SoundStation IP 7000 no longer invokes the Cell phone UI until a physical cell phone is attached.
- 39143** The P-Asserted-Identity header in initial INVITE message is no longer used for caller ID.
- 39949** The navigation icon in the Corporate Directory correctly displays the available navigation options when using the keypad to navigate (*applies to SoundPoint IP 320, 321, 330, and 331*).
- 40679** Changing the status on the MyStatus menu of the SoundStation IP 6000 changes the OC client status when `roaming_buddies.reg= 1`.
- 40892** The Time/Date is displayed on the SoundStation IP 7000 when the first phone call is established.

- 41939** The user is not able to play the WAV file when it has a call on hold and also in remote busy state. Junk characters appear in audio player.
- 42092** Special Slovenian characters are included in the phone's fonts.
- 42213** The SIP: string displays on the SoundStation IP 7000 when using URL dialing.
- 42611** Recording no longer begins when a full USB drive is attached
- 42761** Pressing the Content soft key on the SoundStation IP 7000 no longer prompts the user to choose VGA input.
- 43910** The microbrowser can process an http response which contains an image/bmp.
- 43916** Configured sampled wave files can be downloaded onto the phone depending on sufficient RAM Disk size.
- 43990** Missing glyphs in the Katakana bit stream fonts on the SoundStation IP 7000.
- 44100** Call display names containing an @ symbol no longer truncate characters after the @ symbol.
- 44248** The microbrowser displays an error message when unsupported media is configured in the microbrowser URL.
- 44273** Phones can process all contacts in a SIP Contact header containing a comma separated list.
- 44278** Phone numbers are displayed correctly on line keys when the length of a phone number is more than 10 characters.
- 44301** The Date is displayed on the SoundStation IP 6000 and 7000 when the idle browser is enabled.
- 44377** The Redial key can be reassigned.
- 44443** The Menu exit via the Menu key is ignored while in Edit mode (*applies to SoundPoint IP 320, 321, 330, and 331*).
- 44635** The SoundStation IP 6000 phone uses the correct configuration parameters to download customizable fonts.
- 44783** The Cipher list is the same for different TLS transactions.
- 44844** USB Call Recording can be stopped using the Stop soft key.
- 44855** When using Call Lists, the Missed Calls are incremented on Call Forward on Busy.
- 44892** When using SCA Barge-In on the SoundStation IP 6000 and 7000 phones, the user no longer barges in to the wrong call in certain scenarios.
- 44962** Phone no longer displays 3-way animation icon in held screen when conference legs on hold.
- 45143** When the maximum conference size is reached when using Centralized Conference, the phone no longer displays a local conference UI.
- 45327** When the user establishes a call between two phones configured as shared lines, and presses the down arrow key, all soft keys no longer disappear.
- 45428** An unexpected re-INVITE no longer occurs before BYE when removing a leg from a conference call.
- 45650** In a double hold with music on hold and a non-Polycom SIP phone, – MOH no longer fails.
- 45658** The platform string in transmitted CDP packets is consistent across SoundPoint IP products.

- 45716** Text on the SoundPoint IP 450 is consistent as on other phones.
- 45835** Status Bar text on the SoundPoint IP 450 is easier to read on some backgrounds.
- 45943** Correct logic is used when picking line for outgoing call in a multiple registration scenario.
- 46068** Transfer On Proceeding is supported when using a proxy server.
- 46334** DTMF local rendering does not stop. If the far end holds while local digit key is pressed then the far end resumes.
- 46478** On the EFK feature, the phone sends invite when executing `$Cwaitdialtone$`.
- 46513** Dialog Event Package Content Guideline 6B (Local Identity).
- 46514** Dialog Event Package Content Guideline 6C (Local Target).
- 46547** Warning Header Text notification on the SoundStation IP 7000 displays on phone (when configured).
- 46550** Directed-Call-Pickup no longer fails when SIP server is a proxy.
- 46588** Info Soft key on the SoundStation IP 7000 is no longer missing in the Contact Directory.
- 46738** The `attendant.ringType` parameter is removed from the override file when default (silent) attendant ring type is selected.
- 46741** Using enhanced BLF, when the watched line hangs up an outgoing call, the remote call appearance screen times out on the console phone.
- 46770** On the microbrowser, the \* and # buttons work correctly when the text input mode is set to numeric on input fields.
- 46899** When using the electronic hookswitch, audio is heard during an active call if the user answers by pressing the hookswitch button immediately on a Jabra headset under a specific scenario.
- 47039** The line LED flashes instead of remaining a stable green when an active call is kept on hold during an incoming call.
- 47123** When using the USB Call Recording, the missed call notification no longer displays on the audio player screen if an incoming call is not answered during playback.
- 47207** When the MUTE is active on the SoundStation IP 7000, it no longer covers up the dialing fields.
- 47248** Hot dial works when lifting the handset for the second call when `call.stickyAutoLineSeize=1`.
- 47300** URL dial disabled message displays and successfully routes to voicemail from Message Center tab.
- 47336** The Received\Missed call list on the SoundStation IP 7000 no longer shows the IP address of the SIP server instead of the Extension number of a call received/Missed from a SIP extension.
- 47464** When two incoming calls are active on a phone, lifting the handset or pressing the handsfree key to answer the call no longer results in the most recent call being answered even though the ring tone is played according to the first incoming call (*applies to SoundPoint IP 320 and 330, and SoundStation IP 7000*).
- 47535** The soft keys no longer reset to the default layout on an inbound call in some multiple call handling scenarios.

- 47566** When an internal URI is executed with multiple VoUp and VoIDown action URIs, the Ringer horizontal bar is seen and the Volume sound going UP and Down is heard.
- 47578** When using the Corporate Directory on the SoundPoint IP 320, 321, 330, 331, the sticky attributes are saved.
- 47612** When using BLF, cancelling a Transfer for a call that was initiated using Directed Call Pick-Up sequence results in the correct caller-id display to the user.
- 47641** The “Network Link Down” message on the SoundStation IP 7000 displays on the screen unless the phone reboots and comes up with Ethernet cable.
- 47695** When the phones have two registrations, the NewCall soft key no longer displays for alerting call appearance when there are max call appearances (*applies to SoundPoint IP 320, 321, 330, 331, 430, and 450*).
- 47699** When using XML API Internal URIs on the SoundStation IP 6000, the Tel URI is works properly if embedded within a couple of internal URI actions.
- 47712** A local contact directory search on the SoundPoint IP 320, 321, 330, and 331 works correctly.
- 47724** Mute icon and Call appearance counter on the SoundPoint IP 450 no longer conflict when DND is turned on and multiple call appearances are present on the phone.
- 47729** The on-hook dialing widget no longer uses multi-tap behavior but is not in multi-tap mode.
- 47746** The NewCall soft key is not displayed when phone holds max conference calls.
- 47798** The location of the Transfer and Conference soft keys on the SoundStation IP 7000 are more easily accessible during conference setup.
- 47847** When using BLF, the monitoring phone continues ringing if a shared line is seized while the monitored line has an incoming call.
- 47853** When the headset memory mode is active, the Headset key continues blinking during incoming calls after ending the first active call.
- 47862** The Time and Date on the SoundStation IP 6000 displays during a call.
- 47863** The phone’s HTTP server is no longer sending some HTTP traffic in very small TCP segments.
- 47916** The Resume soft key on the SoundPoint IP 320, 321, 330, and 331 is available for second call appearance after splitting conf established through Join from different shared line registrations.
- 47921** The order of call appearances on the SoundPoint IP 320, 321, 330, and 331 is consistent with other phones after splitting a conference.
- 47929** Rendering special characters like no longer break the hyperlink style display.
- 47932** The Call widget counter (1/n) appears while in the dial tone state.
- 47951** Transfer has precedence over pickup of a ringing BLF line when pressing the line key during a call transfer.
- 47953** Call info display on the SoundStation IP 6000 displays properly when volume up/down key is pressed.
- 47958** More than one contact can be added when the SoundStation IP 7000 is configured with no Ethernet cable connected + HDX.
- 47962** An incorrect icon is no longer displayed when Redialing POTS call on the SoundStation IP 7000.

- 48003** The SoundStation IP 7000 phone no longer dials a POTS call as a video call when dialing from the idle state for a certain configuration.
- 48011** Use of the Idle Browser on the SoundStation IP 7000 no longer interferes with some display elements such as the Mute Icon, Video/Phone Call Pop-up when connected to HDX.
- 48019** The pop-up message “Video or Phone Call?” is no longer overwritten by the idle browser on the SoundStation IP 7000.
- 48045** When using enhanced BLF, the phone holds the first call when pressing the Dial soft key to make the second call to the same called party.
- 48049** When using BLF, the attendant phone displays all remote calls on a BLF-monitored line if the Monitored Phone has a call in the Ringing state.
- 48061** When using enhanced BLF, the attendant phone updates the 1/x widget when the BLF-monitored line has one or multiple incoming calls being ended.
- 48069** When using the SCA Barge-In feature, extra soft keys are no longer displayed on remote shared phone while viewing call appearance list by long pressing a line key.
- 48071** Key:Handsfree internal URI action is executed by the phone in a certain scenario.
- 48115** HDX no longer plays a ring sound after answering POTS call on the SoundStation IP 7000.
- 48131** Call Forwarding Status now shows multiple Call Forward Types are selected.
- 48149** SDP attribute is no longer truncated when first character of the value is a digit.
- 48162** The Boot Server status field no longer shows an incomplete or blank path if a / is included in the setting.
- 48174** A failed call no longer causes subsequent calls to skip URL/Number mode selection.
- 48179** A called Party number is no longer shown overlapped in incoming event notification when IP dialed calls are made between unregistered phones.
- 48209** Left-most character can be deleted before character selection timeout.
- 48213** Key:LineX is executed only if X is a supported line key for that platform.
- 48333** When using the USB Call Recording, the USB busy indicator appears on main screen when recording in progress.
- 48414** The phone no longer occasionally fails to act on the electronic hookswitch up/down signal from Plantronics and Hydra headsets.
- 48700** When using the USB Call Recording, playback can be stopped through a Stop soft key.
- 48745** LDAP Critical Extension Error 0x0c no longer causes the CD Server to not respond to messages from the phone.
- 48981** SRTP no longer fails in 3.1.2 when the user presses Hold then Resume during a call. This happens on several different models of IP phone.
- 48996** Phone tags correct DSCP value to some packets (Trying, Ringing and OK).
- 49106** The entire dialed URL is saved in the phone’s call history
- 49251** The Polish XML Dictionary includes Polish characters.

- 49300** Ensure that the DTMF tones are being sent via the dtmf start/stop Clink2 API (*applies to SoundStation IP 7000*).
- 49417** The phone no longer reports MOH dialog if SUBSCRIBE received while on hold.
- 49459** Cancel works after entering hot dial digits.
- 49461** DND symbol(X) appears after the DND feature is disabled in a certain configuration.
- 49473** When using the Corporate Directory on the SoundPoint IP 320, 321, 330, 331, using the # key to change text entry mode it resets the Quick Search timeout timer.
- 49476** The scrolling indicators on the Corporate Directory work better.
- 49512** HTTP Refresh header response loads the specified URL on the phones after the specified amount of time has passed, in a certain situation.
- 49516** Hanging up the handset terminates calls in Audio or Display Diagnostics.
- 49523** Asian fonts are clearer on the SoundPoint IP 450 and SoundStation IP 7000.
- 49548** The Edit and Delete soft keys on the SoundPoint IP 320, 321, 330 and 331 disappear after deleting the last contact.
- 49572** When using the Corporate Directory on the SoundStation IP 7000, numeric characters can be entered in the Quick Search entry field.
- 49617** The phone plays a dial tone after a hold reminder is played in certain scenarios.
- 49619** The call waiting beep plays on phone when call hold reminder is set.
- 49620** Volume settings for Recording work in handsfree mode.
- 49639** The Handsfree dial tone is no longer interrupted by hold reminder and call waiting ringtones.
- 49641** Call info display on the SoundStation IP 6000 and 7000 displays properly while changing volume.
- 49677** The phone complies with RFC4475 3.1.2.3 Negative Content-Length.
- 49685** On SoundPoint IP 320, 321, 330, and 331, you can enter URLs with uppercase letters.
- 49692** The seconds colon in the time display blinks for every second on the SoundPoint IP 450.
- 49693** The ACD icon is displayed when the parameter `voIpProt.SIP.serverFeatureControl.cf=1` is enabled.
- 49696** After a long LAN outage while downloading a new application, when the phone re-connects to the network, it displays an error message.
- 49701** The SoundStation IP 7000 phone response with `reg.1.server.1.expires=5` setting is consistent.
- 49706** The SIP Extension display on the SoundStation IP 7000 is no longer disabled after disconnecting from HDX with HDX-Preference option.
- 49757** The SoundStation IP 7000 phone displays Network Link is Down after the cable is disconnected from a hub
- 49758** The SoundStation IP 7000 phone no longer gets into a bad state and can recover from temporarily unplugging network connection during an active call.
- 49776** If `dir.corp.user` is misconfigured, the phone displays Login Error.



- 49813** When using the Corporate Directory, the phones no longer display “Enter More Chars.” when submitting a string that returns no results in the Quick search mode.
- 49825** When using the Corporate Directory, the black background for the Search bar displays consistently on different platforms.
- 49829** NTP Time synchronization is reliable in a particular scenario.
- 49834** When using the Corporate Directory, if VLV indexing is configured and an Advanced Find yields more results than the configured page Size (Default is 64), scrolling through the entries works correctly.
- 49836** If the Corporate directory is down and the phone reboots, the phones display a static “Please try again” message.
- 49911** Incoming ring tones are played on the phone in a certain enhanced BLF use case.
- 49926** The SoundPoint IP 320, 321, 330, and 331 phones no longer auto-increment the new contacts speed dial index to 100, even though the maximum amount of entries is 99.
- 49927** After an AdvFind search, exit and re-enter Corp Dir menu, phone displays search bar as Search: not Search (Filtered) (*applies to SoundPoint IP 320,321,330,331 and VVX 1500*).
- 49929** The SoundStation IP 7000 displays HDX Extension when voice call type is set to Auto and phone is not registered to SIP server.
- 49981** After rebooting the SoundStation IP 7000, the proper HDX extension is displayed.
- 49982** The SoundPoint IP 320, 321, 330, and 331 phones reconfigure when DHCP lease expires.
- 49989** The SoundStation IP 7000 phone is no longer adding contact directories from the call list with the existing speed dial number.
- 49977** The SoundPoint IP 320, 321, 330, and 331 phones display the selected status under MyStat menu.
- 50090** The SoundStation IP 7000 phone displays an Active Conference screen on joining a remotely held SLA call without first holding the local call.
- 50099** Consultative Transfer no longer fails if the second leg is forwarding and its 302 response is handled by proxy.
- 50109** Volume levels on the SoundStation IP 7000 are in Sync when Dialing a Video call
- 50110** An “Enter number” message displays for video and audio calls once the ethernet is removed on the SoundStation IP 7000.
- 50115** The DTMF tone of the first digit on the SoundStation IP 7000 plays at the SoundStation IP 7000 volume instead of the HDX volume.
- 50118** Dial tone volume and Handsfree volume are in sync on the SoundStation IP 7000.
- 50137** The volume no longer resets to default on the SoundStation IP 7000 after a POTS call is connected if `voice.volume.persists.handsfree=0`.
- 50153** When using the Corporate Directory, setting the Primary Attribute as sticky `dir.corp.attribute.1.sticky=1` gives a clearer user interface behavior.
- 50159** When using the Corporate Directory, a Quick search on a non-null sticky primary filter is no longer missing records.

- 50189** SIP responses are no longer missing the to-tag after the phone challenges INVITE.
- 50212** Scrolling upward for a while on the Corporate Directory sorts the phone entry list in order.
- 50253** When using the Corporate Directory on the SoundStation IP 7000 and the edit phone number attribute in AdvFind menu, pressing on the 1/A/a soft key creates an Encoding soft key.
- 50254** The phone does honors SDP sent in PRACK.
- 50255** SIP Reliable Provisional responses are retransmitted.
- 50256** When not yet registered, phones will experience a random delay of 30 to 60 seconds between registration attempts.
- 50264** Global prefix +present on calls made from Placed Calls list.
- 50299** When using the Corporate Directory on the SoundStation IP 7000, Quick search text input starts at the first multi tap character.
- 50381** Pressing the left navigation key on the SoundPoint IP 320, 321, 330, and 331 before the character selection timeout no longer moves cursor 2 spots.
- 50397** The SoundStation IP 7000 phone displays licenses correctly in the status screen.
- 50407** When the Corporate Directory server is down with phone connecting to LDAP server, a quick search results in the phone displaying a proper error message.
- 50523** When using the Corporate Directory on the SoundPoint IP 320, 321, 330, 331, the phone displays the Contact title in the View menu.
- 50546** With URL dialing disabled, a BLIND soft key appears in the third soft key slot after pressing TRANSFER.
- 50811** P-Asserted ID display name is a sticky on UI call appearance and in the placed call list.
- 50869** The phone will only offer SRTP when SRTP crypto suite is selected.
- 50891** The Resume soft key on the SoundStation IP 6000 and 7000 is displayed when the phone is put on hold on another shared line phone.
- 50989** Receiving a 603 Decline by a BLF-monitored user plays a reorder tone.
- 51041** Regarding X-IdleBrowserSelectUrl, *http://url* is no longer remembered by the phone.
- 51245** BLF state is updated on receipt of the first full state NOTIFY after a reboot.
- 51320** The message “Conference in another video or phone call?” is no longer displayed in a loop for each press on the Conference hard key (*applies to SoundStation IP 7000*).
- 51432** The Conference Hard Key Pop-up Message on the SoundStation IP 7000 does not display any message but directly allows the user to make a video call.
- 51554** Phones no longer add an additional CRC to some 802.1X packets received on the PC port.
- 51567** Server based CFWD/DND sync no longer fails on 3.1.2.0392.
- 51605** API Push request will no longer be lost if it immediately follows another push request.
- 51631** The phone releases the first assigned IP address when VLAN is set via DHCP.
- 51633** The phone plays busy/reorder tone upon a refer-based transfer when it gets a 603 or 486 response.

- 51644** Certain Japanese strings now display correctly.
- 51690** The EFK feature is used for one touch Voicemail dialing. When using EFK with SIP 3.1.3, the phone honors the `stickyautolineseize`.
- 51718** The phone no longer continues to ring after a call has been answered with a certain call signaling sequence.
- 51763** When adding video to an existing call on a SoundStation IP 7000, pressing the Mute key successfully mutes the far end.
- 51838** Japanese characters are properly displayed.
- 52014/53597** In SIP 3.x.x, when an IP phone picks up a transferred call in a certain scenario, the call is connected instead of being placed on hold.
- 52017** The Web interface issue Password entry is masked when entered.
- 52108** The phone successfully restores destination to Asserted Identity or Remote ID after a transfer fails.

## Configuration File Enhancements

Refer to [Table 20: Software Version 3.2.0 – Configuration File Parameter Enhancements](#) for a list of the parameters that have been added, changed, or deleted from the template `phone1.cfg` and `sip.cfg` files. You can find further descriptions of parameters in [Administrators' Guide for the SIP 3.2.0 Release](#).

Note also that the template file `000000000000.cfg` has been modified in order to facilitate support for the Legacy phones and the VVX 1500 in this release.

**Table 20: Software Version 3.2.0 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	<code>call.directedCallPickup</code> Method		native or legacy	See <a href="#">Administrators Guide for SIP 3.2.0</a> for details.
sip	Added	<code>call.parkedCallRetrieve</code> Method		native or legacy	
sip	Added	<code>call.parkedCallRetrieve</code> String		Star code	See <a href="#">Administrators Guide for SIP 3.2.0</a> for details.
sip	Added	<code>dialplan.applyToRemote</code> Dialing		0 or 1; Default is 0	A flag to determine if the dial plan applies to calls made through the Polycom HDX system.
sip	Added	<code>dialplan.applyToTelUriDial</code>		0 or 1 Default is 1	A flag to determine if the dial plan applies to uses of the tel:// URI.
sip	Added	<code>ind.class.2.state.35.index</code>		44	Changes Relating to

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	ind.class.2.state.36.index		42	screen layout modifications.
sip	Added	ind.class.2.state.37.index		43	
sip	Changed	ind.gi.IP_400.4.physX	122	0	
sip	Changed	ind.gi.IP_400.5.physX	112	10	
sip	Changed	ind.gi.IP_4000.6.physH	12	0	
sip	Changed	ind.gi.IP_4000.6.physW	14	0	
sip	Changed	ind.gi.IP_4000.6.physX	16	0	
sip	Changed	ind.gi.IP_4000.6.physY	2	0	
sip	Changed	ind.gi.IP_450.16.physX	176	196	
sip	Changed	ind.gi.IP_450.17.physX	176	196	
sip	Changed	ind.gi.IP_450.18.physX	176	196	
sip	Changed	ind.gi.IP_450.19.physX	176	196	
sip	Changed	ind.gi.IP_450.2.physX	40	20	
sip	Changed	ind.gi.IP_450.3.physH	20	0	
sip	Changed	ind.gi.IP_450.3.physW	20	0	
sip	Changed	ind.gi.IP_450.3.physX	20	0	
sip	Changed	ind.gi.IP_450.3.physY	2	0	
sip	Changed	ind.gi.IP_600.13.physH	103	111	
sip	Changed	ind.gi.IP_600.13.physY	0	25	
sip	Changed	ind.gi.IP_600.4.physY	105	3	
sip	Changed	ind.gi.IP_600.6.physH	20	0	
sip	Changed	ind.gi.IP_600.6.physW	20	0	
sip	Changed	ind.gi.IP_600.6.physX	113	0	
sip	Changed	ind.gi.IP_600.6.physY	110	0	
sip	Changed	ind.gi.IP_7000.3.physH	20	0	
sip	Changed	ind.gi.IP_7000.3.physW	20	0	
sip	Changed	ind.gi.IP_7000.3.physX	20	0	
sip	Added	lcl.ml.lang.menu.1.label		简体中文 (zh-cn)	Language selection displayed in the

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	lcl.ml.lang.menu.10.label		日本語 (ja-jp)	appropriate language.
sip	Added	lcl.ml.lang.menu.11.label		한국어 (ko-kr)	
sip	Added	lcl.ml.lang.menu.12.label		Norsk (no-no)	
sip	Added	lcl.ml.lang.menu.13.label		Polski (pl-pl)	
sip	Added	lcl.ml.lang.menu.14.label		Português (pt-br)	
sip	Added	lcl.ml.lang.menu.15.label		сский (ru-ru)	
sip	Added	lcl.ml.lang.menu.16.label		Slovenski (sl-si)	
sip	Added	lcl.ml.lang.menu.17.label		Español (es-es)	
sip	Added	lcl.ml.lang.menu.18.label		Svenska (sv-se)	
sip	Added	lcl.ml.lang.menu.2.label		Dansk (da-dk)	
sip	Added	lcl.ml.lang.menu.3.label		Nederlands (nl-nl)	
sip	Added	lcl.ml.lang.menu.4.label		English (en-ca)	
sip	Added	lcl.ml.lang.menu.5.label		English (en-gb)	
sip	Added	lcl.ml.lang.menu.6.label		English (en-us)	
sip	Added	lcl.ml.lang.menu.7.label		Français (fr-fr)	
sip	Added	lcl.ml.lang.menu.8.label		Deutsch (de-de)	
sip	Added	lcl.ml.lang.menu.9.label		Italiano (it-it)	

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	log.level.change.lldp		4	Control the logging detail level for the LLDP feature.
sip	Added	mb.main.autoBackKey		1	See <a href="#">Administrators Guide for SIP 3.2.0</a> for details.
sip	Changed	ramdisk.minfree	3072	3150	Minimum amount of free space that must be left after the RAM disk has been created.
sip	Changed	se.pat.ringer.13.name	Sampled 1		Customer ringer file names.
sip	Changed	se.pat.ringer.14.name	Sampled 2		
sip	Changed	se.pat.ringer.15.name	Sampled 3		
sip	Changed	se.pat.ringer.16.name	Sampled 4		
sip	Changed	se.pat.ringer.17.name	Sampled 5		
sip	Changed	se.pat.ringer.18.name	Sampled 6		
sip	Changed	se.pat.ringer.19.name	Sampled 7		
sip	Changed	se.pat.ringer.20.name	Sampled 8		
sip	Changed	se.pat.ringer.21.name	Sampled 9		
sip	Changed	se.pat.ringer.22.name	Sampled 10		
sip	Added	sec.srtp.requireMatchingTag		0 or 1	A flag to determine whether or not to check the tag value in the crypto attribute in an SDP answer.
sip	Changed	tone.dtmf.rfc2833Payload	101	127	The phone-event payload encoding in the dynamic range to be used in SDP offers.

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	up.idleBrowser.enabled		0 or 1; default is 0	A flag to determine whether or not the background takes priority over the idle browser. Used in conjunction with up.prioritizeBackground.enable.
sip	Added	up.prioritizeBackgroundMenuItem.enabled		0 or 1; default is 1.	If set to 1, the Prioritize Background menu is available to the user. The user can then decide whether or not the background takes priority over the idle browser. Used in conjunction with up.idleBrowser.enabled.
sip	Added	up.screenCapture.enabled		0 or 1; Default is 0	A flag to determine whether or not the user can get a screen capture of the current screen shown on a phone. The flag is cleared when the phone reboots.
sip	Added	voice.audioProfile.iLBC.13_33kbps.payloadSize		30	See <a href="#">Administrators Guide for SIP 3.2.0</a> for details.
sip	Added	voice.audioProfile.iLBC.15_2kbps.payloadSize		20	
sip	Added	voice.audioProfile.iLBC.jitterBufferMax		160	
sip	Added	voice.audioProfile.iLBC.jitterBufferMin		40	
sip	Added	voice.audioProfile.iLBC.jitterBufferShrink		500	
sip	Added	voice.audioProfile.iLBC.payloadType		110	
sip	Removed	voice.audioProfile.Lin16.44.1ksps.payloadType	120		Parameter renamed.

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	voice.audioProfile.Lin16.44_1ksps.payloadType		120	See <a href="#">Administrators Guide for SIP 3.2.0</a> for details
sip	Added	voice.audioProfile.Lin16.8ksps.payloadType		116	See <a href="#">Administrators Guide for SIP 3.2.0</a> for details
sip	Added	voice.codecPref.iLBC.13_33kbps			
sip	Added	voice.codecPref.iLBC.15_2kbps			
sip	Added	voice.codecPref.IP_6000.iLBC.13_33kbps			
sip	Added	voice.codecPref.IP_6000.iLBC.15_2kbps			
sip	Added	voice.codecPref.IP_650.iLBC.13_33kbps			
sip	Added	voice.codecPref.IP_650.iLBC.15_2kbps			
sip	Added	voice.codecPref.IP_7000.iLBC.13_33kbps			
sip	Added	voice.codecPref.IP_7000.iLBC.15_2kbps			
sip	Added	voIpProt.SDP.early.answerOrOffer			If set to 1, an SDP offer or answer is generated in a provisional reliable response and PRACK request and response. If set to 0, an SDP offer or answer is not generated.
sip	Added	voIpProt.SDP.offer.iLBC.13_33kbps.includeMode			See <a href="#">Administrators Guide for SIP 3.2.0</a> for details.
sip	changed	voIpProt.server.1.port	5060		The port of a SIP server that accepts registration.
sip	Added	voIpProt.server.2.address			
sip	Added	voIpProt.server.2.expires			Minimum now 10



<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
sip	Added	voIpProt.server.2.expires. lineSeize		30	
sip	Added	voIpProt.server.2.expires. overlap			
sip	Added	voIpProt.server.2.lcs			
sip	Added	voIpProt.server.2.port			
sip	Added	voIpProt.server.2.register		1	
sip	Added	voIpProt.server.2.retryMax Count		0	
sip	Added	voIpProt.server.2.retry TimeOut		0	
sip	Added	voIpProt.SIP.compliance. RFC3261.validate.content Length			If set to 1, validation of the SIP header content language is enabled.
sip	Added	voIpProt.SIP.compliance. RFC3261.validate.uriScheme			If set to 1 or Null, validation of the SIP header URI scheme is enabled.
sip	Added	voIpProt.SIP.strict ReplacesHeader			This parameter applies only to directed call pick-up attempts initiated against monitored BLF resources.
sip	Added	voIpProt.SIP.use486for Reject			If set to 1 and the phone is indicating a ringing inbound call appearance, phone will transmit a 486 response to the received INVITE when the Reject soft key is pressed.
phone1	Added	attendant.behaviors. display.remoteCallerID. automata		1	Flags to determine whether or not remote party caller ID information is presented to the attendant.
phone1	Added	attendant.behaviors. display.remoteCallerID. normal		1	

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
phone1	Added	attendant.behaviors. display.spontaneousCall Appearances.automata		0	Flags to determine whether or not a call appearance is spontaneously presented to the attendant when calls are alerting on a monitored resource
phone1	Added	attendant.behaviors. display.spontaneousCall Appearances.normal		1	
phone1	Added	attendant.resourceList.x. address		The value of x depends on the phone. For IP 450, x=1-2; IP 550, 560 X=1-3; IP 650, 670 x=1-47	The user referenced by attendant.reg= will subscribe to this URI for dialog.
phone1	Added	attendant.resourceList.x. label			Text label to appear on the display; adjacent to the associated line key.
phone1	Added	attendant.resourceList.x. type		normal	Type of resource being monitored.
phone1	changed	attendant.ringType		1	
phone1	Added	dialplan.1.applyToTel UriDial		1	When present, and if dialplan.x.digitmap is not null, this attribute overrides the global dial plan defined in the <b>sip.cfg</b> configuration file.
phone1	Added	dialplan.2.applyToTel UriDial		1	
phone1	Added	dialplan.3.applyToTel UriDial		1	
phone1	Added	dialplan.4.applyToTel UriDial		1	
phone1	Added	dialplan.5.applyToTel UriDial		1	
phone1	Added	dialplan.6.applyToTel UriDial		1	
phone1	changed	divert.noanswer.1.timeout	60	55	Modified No Answer Timeout
phone1	changed	divert.noanswer.2.timeout	60	55	
phone1	changed	divert.noanswer.3.timeout	60	55	

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
phone1	changed	divert.noanswer.4.timeout	60	55	
phone1	changed	divert.noanswer.5.timeout	60	55	
phone1	changed	divert.noanswer.6.timeout	60	55	
phone1	Added	reg.1.server.2.address			See <a href="#">Administrators Guide for SIP 3.2.0</a> for details
phone1	Added	reg.1.server.2.expires			
phone1	Added	reg.1.server.2.expires. lineSeize			
phone1	Added	reg.1.server.2.expires. overlap			
phone1	Added	reg.1.server.2.lcs			
phone1	Added	reg.1.server.2.port			
phone1	Added	reg.1.server.2.register			
phone1	Added	reg.1.server.2.retry MaxCount			
phone1	Added	reg.1.server.2.retry imeOut			
phone1	Added	reg.2.musicOnHold.uri			
phone1	Added	reg.2.server.1.lcs			
phone1	Added	reg.2.server.2.address			
phone1	Added	reg.2.server.2.expires			
phone1	Added	reg.2.server.2.expires. lineSeize			
phone1	Added	reg.2.server.2.expires. overlap			
phone1	Added	reg.2.server.2.lcs			
phone1	Added	reg.2.server.2.port			
phone1	Added	reg.2.server.2.register			
phone1	Added	reg.2.server.2.retry MaxCount			
phone1	Added	reg.2.server.2.retry TimeOut			

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
phone1	Added	reg.2.tcpFastFailover			
phone1	Added	reg.3.musicOnHold.uri			
phone1	Added	reg.3.server.1.lcs			
phone1	Added	reg.3.server.2.address			
phone1	Added	reg.3.server.2.expires			
phone1	Added	reg.3.server.2.expires. lineSeize			
phone1	Added	reg.3.server.2.expires. overlap			
phone1	Added	reg.3.server.2.lcs			
phone1	Added	reg.3.server.2.port			
phone1	Added	reg.3.server.2.register			
phone1	Added	reg.3.server.2.retry MaxCount			
phone1	Added	reg.3.server.2.retry TimeOut			
phone1	Added	reg.3.tcpFastFailover			
phone1	Added	reg.4.musicOnHold.uri			
phone1	Added	reg.4.server.1.lcs			
phone1	Added	reg.4.server.2.address			
phone1	Added	reg.4.server.2.expires			
phone1	Added	reg.4.server.2.expires. lineSeize			
phone1	Added	reg.4.server.2.expires. overlap			
phone1	Added	reg.4.server.2.lcs			
phone1	Added	reg.4.server.2.port			
phone1	Added	reg.4.server.2.register			
phone1	Added	reg.4.server.2.retry MaxCount			

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
phone1	Added	reg.4.server.2.retry TimeOut			
phone1	Added	reg.4.tcpFastFailover			
phone1	Added	reg.5.musicOnHold.uri			
phone1	Added	reg.5.server.1.lcs			
phone1	Added	reg.5.server.2.address			
phone1	Added	reg.5.server.2.expires			
phone1	Added	reg.5.server.2.expires. lineSeize			
phone1	Added	reg.5.server.2.expires. overlap			
phone1	Added	reg.5.server.2.lcs			
phone1	Added	reg.5.server.2.port			
phone1	Added	reg.5.server.2.register			
phone1	Added	reg.5.server.2.retry MaxCount			
phone1	Added	reg.5.server.2.retry TimeOut			
phone1	Added	reg.5.tcpFastFailover			
phone1	Added	reg.6.musicOnHold.uri			
phone1	Added	reg.6.server.1.lcs			
phone1	Added	reg.6.server.2.address			
phone1	Added	reg.6.server.2.expires			
phone1	Added	reg.6.server.2.expires. lineSeize			
phone1	Added	reg.6.server.2.expires. overlap			
phone1	Added	reg.6.server.2.lcs			
phone1	Added	reg.6.server.2.port			
phone1	Added	reg.6.server.2.register			

<i>File</i>	<i>Change</i>	<i>Configuration Parameter</i>	<i>Old Value</i>	<i>New Value</i>	<i>Description</i>
phone1	Added	reg.6.server.2.retry MaxCount			
phone1	Added	reg.6.server.2.retry TimeOut			
phone1	Added	reg.6.tcpFastFailover			

## Understanding Updates to SIP 3.1.7

This section lists additions and changes, removals, enhancements, and configuration file parameter changes to SIP 3.1.7 beside their respective Polycom tracking ID number.

### New or Enhanced Features

- 61028** Added support for SoundPoint IP 430.
- 61547** Phones now send a 486 (Busy) response to a received INVITE message when a call is rejected.

### Enhanced Capabilities

- 51718** Under certain configurations, phone no longer continues to ring after the call has been answered.
- 52968** Deleted instant messages can be removed from the main screen.
- 53975** The phones send a SUBSCRIBE message in a certain scenario when using an SCA with barge-in enabled.
- 55884** The displays on a SoundPoint IP 650 with expansion modules no longer freeze during a consultative transfer.
- 58689** The phones no longer send a 486 if an INVITE is received after a NOTIFY for the alerting state and the configuration parameter `callsPerLineKey` is set to 1.
- 58728** The phone presents the NewCall soft key and the EndCall soft key to allow the user to release the call and place the phone into idle state after hanging up the call during a consultative transfer.
- 59789** On the SoundPoint IP 650, the user is able to properly resume a held call after answering a different call.
- 60051** On the SoundPoint IP 650 using a BLA, the display shows the status of the remotely held call while there is an active call currently displayed. Pressing the Down arrow key followed by the Up arrow key refreshes the display to properly show the status of the held call.
- 60141** On the SoundPoint IP 650, on a Bridged Line Appearance (BLA) line, the display incorrectly indicates two call appearances when there should only be one for the active call. The second call appearance is for the previously held remote call that is no longer on hold.
- 60145** On the SoundPoint IP 650 using a BLA, the display on the phone correctly presents two call appearances instead of only one.

- 60177** The display on the SoundPoint IP 5xx and 6xx presents hot-dialed digits when the idle display feature is enabled.
- 60264** During a call using a BLA line, when the display is showing the dialing screen, remote call appearances are no longer displayed when the remote phone's BLA line resumes a call.
- 60340** The Join soft key no longer displays for phones with BLA lines when there is only one call active on the phone.
- 60480** A phone monitoring other BLA lines shows the presence (LED goes out) of a BLA line when that monitored line joins two other calls.
- 60756** A phone monitoring a Shared Call Appearance line presents a correct presence indication of a BLA line when that monitored line joins two other calls in a centralized conference.
- 61264** Calls placed on hold using a shared BLA line timeout when a remote phone picks up the held call (on the BLA line).
- 61283** When a user attempts to place a conference call on hold and the phone receives a 400 Bad request. The phone no longer sends a NOTIFY with `<parampname=+sip.rendering pvalue=no />`.
- 61298** When 1.2 Mbps of multicast traffic is passed through the PC port on the SoundPoint IP 601 phone, the data port no longer experiences a packet loss of 17%.
- 61299** When a phone has established a centralized conference call, the user is able to transfer a third incoming call.
- 61321** When a phone joins a centralized conference bridge, other monitoring phones correctly show the BLA line as being on hold instead of being in use.
- 61547** The phone sends a 486 Busy message when a call (INVITE) is rejected. A binary configuration parameter is added to `sip.cfg` called `voIpProt.SIP.use486forReject`. By default (parameter is 0), the feature is disabled. If the parameter equals 1, the feature is enabled. If enabled, and the phone is indicating a ringing inbound call appearance, then upon pressing the Reject soft key, the phone will transmit a 486 Response to the originator of the received INVITE message.
- 61725** Users can pick up a held call after multiple hold/resume interactions on the phone.
- 61950/62024** The phone honors a retry-after header in a 500 Glare message responding to a BLA re-SUBSCRIBE message.
- 62036** The SoundPoint IP 3xx phone continues sending DTMF RTP EVENTS when receiving a second incoming call while it is already active on a previously established call.
- 62050** The SoundPoint IP 650 phone properly updates the number of held calls after sending 200 OK messages as part of the notifications process.
- 62127** The Blind transfer soft key on the SoundPoint IP 650 is presented on the display when the Transfer soft key is pressed on the second call.
- 62223** The phone no longer crashes after resuming a held call using a BLA.
- 62226** The phone no longer proceeds to join a conference after receiving a 403 Forbidden from the switch.
- 62262** The phone no longer establishes a 1-way audio path after it has re-established a centralized conference call with the dropped third party. This behavior is observed with Sylantro switches.

- 62279** The presence indicator on a Bridged Line Appearance displays correctly after the phone receives a 486 message.
- 62313** Using a BLA configuration, a dial tone is present when pressing the second line key followed by lifting handset after holding a call on first line appearance.
- 62361** The call status on a BLA Bridged Line Appearance (configured for 1 call per line appearance) of a monitoring phone is updated correctly when transfer/conference soft key is pressed.
- 62435** The SoundPoint IP 650 phone correctly displays a call appearance labeled Unknown Party if the remote party is held while a reorder tone is played locally.
- 62511** In certain situations, the monitored Busy Lamp Field line invokes an incoming call notification (icon and tone).
- 62514** In certain situations, the status of the monitored Busy Lamp Field lines on the SoundPoint IP 670 is removed from the display even though the status has been updated by the switch.
- 62569** The phone no longer generates a redundant NOTIFY message when triggered by a 100 response during a re-INVITE.
- 62669** When multiple phones try to resume a held Bridged Line Appearance (BLA) line at the same time, the presence indicator on the BLA line is preserved on the trailing phone when the reorder tone is played.
- 62672** The Directed Call Pickup (DCP) or Group Call Pickup feature (using soft keys instead of \*53 and \*54 feature access codes) no longer fail when the user enters an account code. The account code is appended to the user portion of the URI.
- 62704** The presence indicator of a Bridged Line Appearance (BLA) is updated correctly on monitoring phones when the phone's LAN data cable is disconnected and then re-connected.
- 62926** The Resume soft key on the SoundPoint IP 3xx is displayed when the line key is pressed continuously while the line is in a remote held call state. This occurs when the line is configured as `callsPerLineKey=1`.
- 63099** The phone's monitoring Bridged Line Appearance (BLA) line, configured for one call per line, can pick up the held call after the call on a BLA line has been put on hold using the Transfer/Conference key.
- 63286** The phone's Part Number is listed correctly instead of YYYYY-YYYYY-YYY.
- 64212** Invoking the Call Park feature with the soft key on the SoundPoint IP 3xx functions correctly when the soft key is configured as one line and one call per line.
- 64219** The SoundPoint IP 3xx phone sends a proper hold NOTIFY message after a consultative transfer is canceled when the configuration parameter `notifyTransferHoldAsActive` is disabled.
- 64271** In an attempt to answer an incoming call, the call is no longer unintentionally terminated when the incoming call's line key is pressed simultaneously as the handset is lifted.
- 64274** In an attempt to resume a held call, the held call is no longer unintentionally terminated when the user inadvertently seizes two line keys simultaneously.
- 64327** In an attempt to answer an incoming call with the user inadvertently pressing two line keys, the user is no longer connected to both lines, one with an incoming caller on one and a dial tone on the other.



- 64340** The indicator on a Bridged Line Appearance (BLA) line that is monitoring other lines blinks after the monitored phone performs the following sequence: Transfer > Split > EndCall > Resume > Hold.
- 64356** While there are multiple calls on hold on the remote BLA, the display on the SoundPoint IP 3xx showing a remote call appearance times out when the user continuously presses a BLA line key followed by pressing a down arrow key.
- 64822** When configuring the SoundPoint IP 3xx phones using **sip\_att.cfg**, the phone no longer shows “Service Unavailable” when the speed dial key is pressed while the phone is off-hook.
- 64862** Joining an internal extension with an external PSTN call no longer causes one call to drop.
- 65119** When a Bridged Line Appearance (BLA) line is presented in a dialing screen, the remote call appearance is correctly displayed when the remote BLA line resumes a call.
- 65207** A slow memory leak due to the receipt of hunt group INVITE containing replaces no longer occurs in the SIP stack.
- 67186** All soft keys on the SoundPoint IP 301, 501, and 601 no longer disappear on the assistant phone when pressing down the arrow key after placing multiple calls on hold with the boss line appearance.

## Configuration File Enhancements

Refer to [Table 21: Software Version 3.1.7 – Configuration File Parameter Enhancements](#) for a list of enhancements made to software version 3.1.7 configuration file parameters.

**Table 21: Software Version 3.1.7 – Configuration File Parameter Enhancements**

<i>File</i>	<i>Action</i>	<i>Parameter</i>	<i>Modification Description</i>
sip	Added	voIpProt.SIP.use486forReject	Defaults to null
sip	Added	call.localConferenceEnabled=1	Defaults to 1



# Reference Documents

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This section lists all documents referred to in these release notes as well as other relevant documents.

For information and support for all Polycom voice products and software, and for access to supporting documentation, see [Polycom UC Software Support Center](#).

## **Polycom UC Software Administrators' Guide**

- [Version 4.0.1](#)
- [Version 4.0.0](#)
- [Version 3.0.0](#)
- [Version 3.2.2](#)

## **Technical Bulletins, Quick Tips, White Papers, and Engineering Advisories**

- [White Paper: Configuration File Management on Polycom® SoundPoint® IP, SoundStation® IP, and VVX® Phones](#)
- [Technical Bulletin 35311: Maintaining Older Polycom® Phones Beyond Their Last Supported Software Release](#)
- [Technical Bulletin 39358: Using Custom Ringtones on Polycom® SoundPoint® IP, SoundStation® IP, and Polycom VVX® 1500 Phones](#)
- [Technical Bulletin 52609: Mutual Transport Layer Security Provisioning Using Microsoft® Internet Information Services 6.0](#)
- [Technical Bulletin 56449: Polycom® SoundPoint® IP /SoundStation® IP /VVX® Software Changes in the Next Release](#)
- [Quick Tip 57215: Phone Lock Feature on Polycom® Phones Running Polycom UC Software](#)
- [Technical Bulletin 60519: Simplified Configuration Enhancements in Polycom® UC Software 3.3.0](#)
- [Engineering Advisory 64731: Polycom® UC Software 4.0.x: Upgrade and Downgrade Methods](#)
- [Technical Bulletin 66743: Security Advisory Relating to Denial of Service Vulnerability on Polycom® SoundPoint® IP and SoundStation® IP Phones](#)
- [Feature Profile 72430: Using Polycom Phones with Microsoft Lync Server 2010](#)

## **User Guides**

- [SoundPoint IP Phones](#)
- [SoundStation IP Phones](#)
- [VVX Business Media Phones](#)

## **Other Release Notes**

- [SoundStation Duo](#)
- [SoundStructure](#)
- [VVX 500](#)

## **SoundStation IP 7000 and HDX Integration Information**

- [SoundStation IP 7000 Integration with Polycom HDX Overview](#)
- [SoundStation IP 7000 Integration with Polycom HDX FAQs](#)
- [User Guide for the Polycom® SoundStation® IP 7000 Phone Connected to a Polycom HDX™ System in Unsupported VoIP Environments](#)
- [Integration Guide for the Polycom® SoundStation® IP 7000 Conference Phone Connected to a Polycom® HDX™ System in Unsupported VoIP Environments](#)

## **Miscellaneous**

- [SIP/UCS Downloads Matrix](#)