

Polycom® UC Software 5.4.7

Applies to Polycom® VVX® Business Media Phones and Polycom® SoundStructure® VoIP Interface

Contents

What's New in Polycom UC Software 5.4.7	2
Release History	7
Security Updates	9
Install UC Software 5.4.7	9
Resolved Issues	13
Known Issues	17
Updates to Previous Software Releases	19
Get Help	55
Copyright and Trademark Information	56

What's New in Polycom UC Software 5.4.7

Polycom® Unified Communications (UC) Software 5.4.7 is a release for Polycom for all Open SIP servers along with Microsoft® Lync® 2010, Microsoft® Lync 2013, Skype™ for Business, and Skype™ for Business Online interoperability.

Polycom UC Software 5.4.7 supports the following Polycom endpoints:

Phone Support

Phone Model	Skype for Business	Open SIP
VVX 201 business media phone	✓	✓
VVX 300/301/310/311 business media phones	✓	✓
VVX 400/401/410/411 business media phones	✓	✓
VVX 500/501 business media phones	✓	✓
VVX 600/601 business media phones	✓	✓
VVX 1500 business media phone		✓
VVX D60 Wireless Handset and Base Station		✓
SoundStructure VoIP Interface	✓	✓

Polycom UC Software 5.4.7 supports the following Polycom accessories.

Accessories Support

Accessories	Skype for Business	Open SIP
VVX Camera		✓
VVX Color Expansion Module	✓	✓
VVX Paper Expansion Module		✓

Expansion Module Support on VVX D60 Base Station

The Polycom VVX D60 wireless handset supports the use of a VVX Expansion Module when paired with a VVX business media phone.

Opus Codec Support with 48000 Hertz

The Polycom VVX business media phones will publish both of the telephone-events to support Dual Tone Multi Frequency (DTMF) clock rate required whenever Opus codec is used. Telephone-event/48000 hertz has been added along with telephone-event/8000 hertz, to support its use with Opus codec. The parameter `tone.dtmf.rfc2833Payload_OPUS` enables you to set the DTMF payload to be used for telephone-event/48000 hertz.

OpenSSL Upgrade

OpenSSL has been upgraded from Version 1.0.1 to Version 1.0.2.

Important Notice

Due to the increase in the size of the software code base in UC Software 5.4.1, there is an issue when upgrading from an earlier version of UC Software to UC Software 5.4.7 using the combined software package, except when upgrading from UC Software 5.4.1. This issue can prevent phones from upgrading successfully. System administrators utilizing the combined software package should perform one of the following types of upgrades:

- Upgrade to UC Software 5.2.5 or 5.3.3 prior to upgrading to UC Software 5.4.7.
- Upgrade to UC Software 5.4.7 using the individual split software package.



Attempting to upgrade directly to UC Software 5.4.7 will not harm the phone, and the upgrade may succeed. However, this is not recommended. Applying future upgrades to phones running UC Software 5.4.7 will not require any special action.

Phone Features and Licenses

The features and licenses required to operate the phones vary by phone model. Refer to this section to find out which phone features and licenses you require for your phone model.

The following table describes features available for each phone and indicates whether a feature license is required. In the following table, *No* indicates that a phone does not support a feature, *Yes* indicates that a phone supports a feature and no license is required, and *Yes** indicates that the phone requires you to purchase a feature license from Polycom to support a feature. *Yes*** indicates that the phone requires you to purchase an honor-based license from Polycom to support a feature.

Phone Features and Licenses

Feature	VVX 101	VVX 201	VVX 300/310	VVX 301/311	VVX 400/410	VVX 401/411	VVX 500/501	VVX 600/601	VVX 1500	SoundStructure VoIP Interface
Asian Languages	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Conference Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Customizable UI Background	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Electronic Hookswitch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Enhanced BLF	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

Phone Features and Licenses*

Feature	VVX 101	VVX 201	VVX 300/ 310	VVX 301/ 311	VVX 400/ 410	VVX 401/ 411	VVX 500/ 501	VVX 600/ 601	VVX 1500	SoundStructure VoIP Interface
Enhanced Feature Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
H.323 Video	No	No	No	No	No	No	Yes	Yes	Yes*	No
Skype for Business (SfB)	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**
Server Based Call Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
USB Call Recording	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Voice Quality Monitoring (VQMon)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes (Audio only)	Yes (Audio only)	Yes (Audio only)	No
XT9 Input (PinYin)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*

*You must purchase a feature license from Polycom.

**You must purchase an honor-based license from Polycom.

Supported DHCP Sub-Options

The following table lists the individual sub-options and combination sub-options supported on VVX phones for DHCP Option 43:

DHCP Option 43 Configuration Options

Option	Result
Option 1 - Subnet mask	The phone parses the value from Option 43.
Option 2 - Time offset	The phone parses the value.
Option 3 – Router	The phone parses the value.
Option 4 - Time server	The phone parses the value.
Option 6 - Domain Name Server	The phone parses the value.
Option 7 - Domain Log server	The phone parses the value.
Option 15 - Domain Name	The phone parses the value.
Option 42 - Network Time Protocol server	The phone parses the value.

DHCP Option 43 Configuration Options

Option	Result
Option 66 - TFTP Server Name	The phone parses the value.
Sub-options configured in Option 43	
Options 1, 2, 3, 4, 5, 6, 7, 15, 42, and 66	The phone parses the value.

Configuration File Enhancements

The following table lists configuration file enhancements that include new or changed parameters for this Polycom UC Software 5.4.7 release. For more information on using configuration parameters to enable or disable features, see the *Administrator Guide for Polycom UC Software 5.4.x* available on the [Polycom Voice Support](#) site.

Configuration File Enhancements for UC Software 5.4.7

Template	Parameter	Permitted Values	Change Causes Restart or Reboot
applications.cfg	apps.push.secureTunnelEnabled	1 (default) - Web server connected through a secure tunnel 0 - Web server not connected through a secure tunnel	Yes
applications.cfg	apps.push.secureTunnelRequired	1 (default) - Communications to the web server require a secure tunnel 0 - Communications to the web server do not require a secure tunnel	Yes
applications.cfg	apps.push.secureTunnelPort	The port that the phone should use to communicate to the web server when the secure tunnel is used. 443 (default) Minimum - 1 Maximum - 65535	Yes
features.cfg	softkey.x.action	The action or function for custom soft key x. Null (default) macro action string, 2048 characters.	No

Configuration File Enhancements for UC Software 5.4.7

Template	Parameter	Permitted Values	Change Causes Restart or Reboot
features.cfg	feature.broadsoft.xsi.AnonymousCallReject.enabled	Displays the Anonymous Call Rejection menu on the phone. 0 (default) 0 or 1	No
site.cfg	sec.TLS.cipherList	Specifies cipher list for all applications except web server. (default) ALL:!aNULL:!eNULL:!DSS:!SEED:!ECDSA:!IDEA:!MEDIUM:!LOW:!EXP:!DH:!AECDH:!PSK:!SRP:!MD5:!RC4:@STRENGTH String (Maximum of 1024 characters)	No
site.cfg	sec.TLS.webServer.cipherList	Specifies cipher list for web server. (default) ALL:!aNULL:!eNULL:!DSS:!SEED:!ECDSA:!IDEA:!MEDIUM:!LOW:!EXP:!DH:!AECDH:!PSK:!SRP:!AES256-SHA:!AES128-SHA:!MD5:!RC4:@STRENGTH String (Maximum of 1024 characters)	No
sip-interop	tone.dtmf.rfc2833Payload_OPUS	Sets the Dual Tone Multi Frequency (DTMF) payload required to use Opus codec. 126 (default) 96 - 127	Yes

Release History

The following table shows the recent release history of Polycom Unified Communications (UC) Software.

Release History

Release	Release Date	Description
5.4.7	July 2017	This release has important field fixes and security updates.
5.4.6 Rev A	March 2017	This release has new software change on VVX 500 business media phones to support a new LCD panel on the phones and other important field fixes.
5.4.5 Rev E	December 2016	This release has important field fixes.
5.4.5	October 2016	This release has important field fixes.
5.4.4 Rev P	July 2016	This release has important field fixes.
5.4.4 Rev E	May 2016	This release has an important field fix.
5.4.4	May 2016	This release has important field fixes.
5.4.3	February 2016	This release introduced the Polycom VVX D60 Wireless Handset and VVX D60 Base Station.
5.4.2 Rev D	January 2016	This release has important field fixes.
5.4.1	December 2015	This release includes support for the following features: <ul style="list-style-type: none"> • Introduced the Polycom VVX 301/311, 401/411, 501, and 601 business media phones. • Flexible line key customization for Lync (EFLK) • Master Key Identifiers (MKI) • Shared Line appearance on Lync • Better Together over Ethernet (BToE) for Windows 10 • Smart Search for Lync ABS • Support for simplified Chinese font on VVX 101 business media phone.
5.4.0A	September 2015	This release includes support for the following features: Microsoft Office 365 and Skype for Business Online Office365 and Skype for Business Provisioning and Manageability Time and Date Initial Setup

Release History

Release	Release Date	Description
5.4.0	May 2015	<p>Added support for Alcatel-Lucent CTS features including</p> <ul style="list-style-type: none"> • Advanced Conference • Shared Call Appearance with Bridge In • Visitor Desk Phone <p>This release also included support for the following features:</p> <ul style="list-style-type: none"> • Barge In on Busy Lamp Field Lines • DTMF Relay • SIP Instance • Comfort Noise • Opus Codec • DNS Server Address Override • Global Directory Synchronization • Basic Menu Lock • Additional features including user interface improvements and resolved known issues.
5.3.2	November 2015	This release has important field fixes.
5.3.1	July 2015	Includes support for locking the settings menu, enhancements for push-to-talk calls, support for Lync location-based routing, and other important field fixes.
5.3.0	March 2015	Includes support for several Lync, BroadSoft, and Open SIP features.
5.2.5	December 2015	Includes support for new in call display and off hook dialing as well as critical field fixes.
5.2.4	September 2015	This release has important field fixes.
5.2.3	May 2015	This release has important field fixes.
5.2.2	March 2015	This release has important field fixes. Minor feature improvements, an added Open Source Software license, and other resolved issues.
5.2.1	November 2014	This release has important field fixes.
5.2.0	October 2014	Added support for web page sign-in to Lync, user interface optimizations, and support for various GENBAND features.
5.1.3	November 2014	Added support to log into Lync client through the phone's web interface.
5.1.2	September 2014	Added image background lock down and power turn off for all the USB ports.
5.1.1C	July 2014	Introduced Microsoft-qualified UC Software for VVX 410, VVX 500, VVX 600 business media phones, and SoundStructure VoIP Interface.
5.1.1B	July 2014	Resolved the bandwidth hold issues that existed on VVX 300 business media phones and SoundStructure VoIP Interface when using Lync 2013 with Call Admission Control.

Release History

Release	Release Date	Description
5.1.1	July 2014	Added full support of Lync contact card and support to forward the delegated call to the boss voicemail.
5.1.0	May 2014	Added visual indication of security classification, centralized call recording controls for BroadSoft server, and enabling or disabling the security vulnerable ports.
5.0.1	October 2013	Added Arabic language support, BToE auto pairing, quick search support for the BroadSoft UC-One local contacts.
5.0.0	September 2013	Added support to Lync Call Park feature, Better Together over Ethernet (BToE), Lync Boss-Admin, and Address Book Services (ABS).

Security Updates

This release includes the following security-related changes:

- New Root CA has been added to support Let's Encrypt Intermediate Certificates.

Refer to the [Polycom Security Center](#) for information about known and resolved security vulnerabilities.

Install UC Software 5.4.7

Consider the following installation and update information when using Polycom UC Software 5.4.7.

Downloading the Distribution Files

When downloading UC Software 5.4.7, you can choose the combined UC Software package or the split UC Software package, both in ZIP file format. The combined version contains all files for all phone models. The split software package is smaller, downloads more quickly, and contains sip.id files for each phone model, enabling you to choose provisioning software for your phone model and maintain software versions for each model in the same root directory.

For general use, Polycom recommends using the split resource file that corresponds to the phone models for your deployment. To match the correct UC software resource file to your phone model, see the following table. If you are provisioning your phones centrally using configuration files, download the corresponding resource file and extract the configuration files to the provisioning server, maintaining the folder hierarchy in the ZIP file.

The current build ID for the sip.id and resource files is **5.4.7.1696 rts27**.

The following table indicates the files distributed in the combined and split ZIP files. In the following table, x indicates that the software package is not available with the distributed file and ✓ indicates that the software package is available with the distributed file.

Combined ZIP and Split ZIP Files

Distributed Files	File Purpose and Application	Combined	Split
3111-40250-001.sip.ld	SIP application executable for VVX 101	x	✓
3111-40450-001.sip.ld	SIP application executable for VVX 201	x	✓
3111-46135-002.sip.ld	SIP application executable for VVX 300	x	✓
3111-48300-001.sip.ld	SIP application executable for VVX 301	x	✓
3111-46161-001.sip.ld	SIP application executable for VVX 310	x	✓
3111-48350-001.sip.ld	SIP application executable for VVX 311	x	✓
3111-46157-002.sip.ld	SIP application executable for VVX 400	x	✓
3111-48400-001.sip.ld	SIP application executable for VVX 401	x	✓
3111-46162-001.sip.ld	SIP application executable for VVX 410	x	✓
3111-48450-001.sip.ld	SIP application executable for VVX 411	x	✓
3111-44500-001.sip.ld	SIP application executable for VVX 500	x	✓
3111-48500-001.sip	SIP application executable for VVX 501	x	✓
3111-44600-001.sip.ld	SIP application executable for VVX 600	x	✓
3111-48600-001.sip	SIP application executable for VVX 601	x	✓
2345-17960-001.sip.ld	SIP application executable for VVX 1500	x	✓
3111-33215-001.sip.ld	SIP application executable for SoundStructure VoIP Interface	x	✓
3111-17823-001.dect.ld	SIP application executable for VVX D60 Wireless Handset and Base Station	x	✓
sip.ld	Concatenated SIP application executable.	✓	x
dect.ver	Text file detailing build-identification(s) for the VVX D60.	✓	✓
sip.ver	Text file detailing build-identification(s) for the release.	✓	✓
000000000000.cfg	Master configuration template file.	✓	✓
000000000000-directory~.xml	Local contact directory template file. To apply for each phone, replace the (zeroes) with the MAC address of the phone and remove the ~ (tilde) from the file name.	✓	✓

Combined ZIP and Split ZIP Files

Distributed Files	File Purpose and Application	Combined	Split
applications.cfg	Configuration parameters for microbrowser and browser applications.	✓	✓
device.cfg	Configuration parameters for basic device configuration.	✓	✓
features.cfg	Configuration parameters for telephony features.	✓	✓
firewall-nat.cfg	Contains configuration parameters for telephony features.	✓	✓
H323.cfg	Configuration parameters for the H.323 signaling protocol.	✓	✓
lync.cfg	Contains Lync specific configuration parameters.	✓	✓
pstn.cfg	Contains parameters for PSTN use.	✓	✓
reg-advanced.cfg	Contains configuration parameters for the line and call registration and advanced phone feature settings.	✓	✓
reg-basic.cfg	Configuration parameters for line and call registration and basic phone settings.	✓	✓
region.cfg	Configuration parameters for regional and localization settings such as time and date and language.	✓	✓
sip-basic.cfg	Configuration parameters for the VoIP server and softswitch registration.	✓	✓
sip-interop.cfg	Configuration parameters for the VoIP server, softswitch registration, and interoperability configuration.	✓	✓
site.cfg	Configuration parameters that are set for each site.	✓	✓
video.cfg	Configuration parameters for video connectivity.	✓	✓
video-integration.cfg	Configuration parameters for SoundStation IP 7000 and Polycom HDX system integration.	✓	✓

Combined ZIP and Split ZIP Files

Distributed Files	File Purpose and Application	Combined	Split
VVX-dictionary.xml	Includes native support for the following languages: <ul style="list-style-type: none"> • Arabic, UAE • Chinese, Traditional • Chinese, Simplified • Danish, Denmark • Dutch, Netherlands • English, Canada • English, United Kingdom • English, United States • French, Canada • French, France • German, Germany • Italian, Italy • Japanese, Japan • Korean, Korea • Norwegian, Norway • Polish, Poland • Portuguese, Brazil • Russian, Russia • Slovenian, Slovenia • Spanish, Spain • Swedish, Sweden 	✓	✓
Welcome.wav	Startup welcome sound effect.	✓	✓
LoudRing.wav	Sample loud ringer sound effect.	✓	✓
Polycom-hold.wav	Sample ringer sound effect.	✓	✓
Warble.wav	Sample ringer sound effect.	✓	✓
polycomConfig.xsd	Master configuration file that contains the parameters and its values.	✓	✓

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.7.

Resolved Issues for UC Software 5.4.7

Category	Issue ID	Description
API	VOIP-125786	You cannot answer an incoming call through Push API on a VVX business media phone, when full-screen splash displays on the phone's user interface.
Audio	VOIP-123213	The dial tones on the VVX D60 handsets do not match the North American telephone dual tone standards, having a low pitch at 350Hz and 440Hz.
Audio	VOIP-126220	You could hear a static noise while joining a Skype for Business conference.
Audio	VOIP-126556	Instant Message (IM) from User B Skype for Business client to User A causes VVX business media phone to ring when User A is on Do-Not-Disturb (DND) and is set to Simultaneous ring with 'My Team-Group' option in it.
Busy Lamp Field	VOIP -124550	The Polycom VVX business media phone fails to place a call using Busy Lamp Field (BLF) when <code>attendant.resourceList.x.address</code> and <code>attendant.resourceList.x.callAddress</code> are configured with different values.
BToE	VOIP-124458	When a VVX business media phone is paired with BToE, the phone loses Secure Real-time Transport Protocol (SRTP) key and only one way audio is observed.
BToE	VOIP-125502	There are BToE pairing issues after Wi-Fi to Ethernet switchover.
BToE	VOIP-126236	In a Skype for Business environment, the admin phone stops receiving Boss calls, after changing the password via BToE.
BToE	VOIP-126554	The subject line goes missing when the VVX 500/501 and 600/601 phone is paired with Polycom BToE.
Calling	VOIP-127013	On reboot via check-sync, the VVX business media phone gets unregistered and remains unregistered for 10 minutes, and the user cannot place or receive calls.
Calling	VOIP-123075	When the Sticky Line Seize feature is enabled, the VVX business media phone displays a "URL dialing is disabled" warning message and the user cannot place a call to a contact by pressing the Busy Lamp Field (BLF) key, when an ongoing call is put on hold.
Calling	VOIP-123107	During a call, if the <code>musicOnHold.uri</code> is configured, the phone does not send the Session Description Protocol (SDP) information in the INVITE to Music-on-Hold (MOH) server address.
Calling	VOIP-123732	The parameter <code>up.IdleViewPreferenceRemoteCalls</code> does not work on VVX 300, 400, 500, and 600 series business media phones.

Resolved Issues for UC Software 5.4.7

Category	Issue ID	Description
Calling	VOIP-124548	Dialing from a VVX business phone fails with the message "SipCallMake failed".
Calling	VOIP-125475	A media bypass occurs during incoming calls on a VVX business media phone.
Directory	VOIP-123561	Searching in a Corporate directory of the phone displays duplicate results.
Directory	VOIP-127343	The VVX business media phone displays the message "Searching..." indefinitely when performing a Lightweight Directory Access Protocol (LDAP) search on Open LDAP, when the number of search results is greater than the maximum page size.
Expansion Module	VOIP-125220	In certain environments, the VVX 501 business media phone does not respond when using the screen capture utility with an expansion module attached.
General	VOIP-124926	A parameter was misspelled. <code>feature.broadsoft.xsi.AnonymousCalReject.enabled.</code>
General	VOIP-123179	String buffer size for an Enhanced Feature Key (EFK) action needed a character length enhancement.
General	VOIP-126695	There is no ring back tone from D60 Base Stations on outbound Public Switched Telephone Network (PSTN) calls.
General	VOIP-123380	The VVX business media phone's SSL Client Hello publishes incorrect time for the GMT UNIX Time.
General	VOIP-124880	User observes unexpected reboot on the Polycom VVX 601 business media phone.
General	VOIP-106733	Session Description Protocol (SDP) clock rate for Dual Tone Multi Frequency (DTMF) does not match the clock rate for Opus codec.
General	VOIP-126702	Disabling presence subscription causes a presence subscription storm on VVX business media phone, when a user navigates the phone menus.
General	VOIP-127310	The VVX business media phone remains unregistered when registering to the primary server fails after a failback.
Hardware	VOIP-126696	When VVX D60 Base Station is paired with a VVX business media phone and if the SIP INFO method and RFC 2833 are enabled, the VVX phone only sends the SIP INFO for (Dual Tone Multi Frequency) DTMF.
Hardware	VOIP-126924	The VVX business media phone loses connection with D60 Base Station when the Base Station is turned off for some time.
Interop GENBAND	VOIP-126148	A GENBAND shared line user cannot establish a conference when other users who barge-in are dropped from a call.
Interop GENBAND	VOIP-126149	A GENBAND shared line user cannot retrieve a call on hold when other users who barge-in are dropped from the call.

Resolved Issues for UC Software 5.4.7

Category	Issue ID	Description
Interop Lync	VOIP-123180	Inability to apply Call Admission Control (CAC) policy on a Polycom VVX business media phone has been observed.
Interop Lync	VOIP-125754	A peer to peer call on a VVX business media phone intermittently hides all the soft keys on the call appearance window, except the END soft key.
Interop Microsoft	VOIP-125196	Microsoft Office 365 users experience intermittent one-way audio and call drops on VVX business media phones.
Localization	VOIP-126700	Polycom VVX D60 handset displays incorrect French translation.
Network	VOIP-123099	When the network is unavailable, the VVX business media phone fails to load the application and the phone remains stuck at 'Starting Application...' screen.
Network	VOIP-123325	When sending Session Description Protocol (SDP) offer in a transfer scenario, if an INVITE without SDP is received, the sec.srtp.offer is not considered.
Network	VOIP-126809	Client applications on the VVX business media phones take longer time to start, if Diffie-Hellman (DH) key length is long.
Network	VOIP-127009	The VVX business media phone does not send periodic OPTIONS to the server, even when the Ping interval is configured.
Security	VOIP-126820	An open port which could significantly impact the security issues for customers who deployed VVX D60 has been discovered by a security scanner.
Security	VOIP-126811	The VVX business media phone's web server allows use of unsecure encryption ciphers, by default.
Security	VOIP-124680	Let's Encrypt certificate needs to be added to the list of trusted certificates.
Security	VOIP-124816	OpenSSL needs to be upgraded to version 1.0.2.
User Interface	VOIP-126216	A Skype for Business exchange fails to sync contacts, and contacts synchronization message is being displayed continuously.
User Interface	VOIP-126308	User observes that the Polycom VVX business media phone's user interface does not have an option to define the ring type for Boss calls.
User Interface	VOIP-126568	Skype for Business online favorites are not displayed on the VVX 410 business media phone Home screen.
User Interface	VOIP-126580	Pressing Read on the voicemail menu on a VVX business media phone directs the user to the paging screen.

Resolved Issues for UC Software 5.4.7

Category	Issue ID	Description
Video	VOIP-123446	On VVX business media phones, the video content is stretched initially in a video call and requires the user to go full screen and back for proper video scaling.
Video	VOIP-124939	When joining a conference on a VVX business media phone using the Join soft key, the call gets connected to the conference server but the video is not activated.

Known Issues

This section lists the known issues and suggested workarounds for this release and previous releases.



These release notes do not provide a complete listing of all known issues that are included in the software. Issues not expected to significantly impact customers with standard voice or video conferencing environments may not be included. In addition, the information in these release notes is provided as-is at the time of release and is subject to change without notice.

Known Issues and Suggested Workarounds for UC Software 5.4.7

Category	Issue ID	Release	Description	Workaround
Audio	VOIP-114137	5.4.3	The wireless handset does not play the Fast Busy tone when Multiple Call Appearance is disabled.	No workaround is available.
Audio	VOIP-122680	5.4.6 Rev A	Occasional loss of keypad tone is not heard on VVX D60 handset after accessing the call logs and deleting a couple of them.	The issue resolves by itself.
Calling	VOIP-112891	5.4.2	The wireless handset does not play the Fast Busy tone when a 5th call is placed to the wireless handset.	No workaround is available.
Calling	VOIP-116653	5.5.0	After a Barge-in call is placed on hold, the handset still displays options to Transfer and Blind Transfer the call.	No workaround is available.
General	VOIP- 127401	5.4.7	When a user enters the IP address in Octet format, the VVX D60 Base Station picks the wrong IP address.	Do not prefix '0' to the IP address. For example, use 10.221.25.80, instead of 010.221.025.080.
General	VOIP-126471	5.5.1	The administrator is not able to set ringtone for a Boss call on a VVX business media phone.	No workaround is available.
Interoperability D60 Handset	VOIP-127300	5.4.7	When a VVX business media phone paired with a D60 Base Station via PC-port is power cycled, the pairing is sometimes lost.	Unplug the D60 Base Station and then plug-in.
Interoperability D60 Handset	VOIP-117097	5.5.0	On a VVX business media phone paired with two D60 handsets, the second handset is unable to place a call after ending an intercom call with the first handset.	No workaround is available.
Interoperability D60 Handset	VOIP-127241	5.4.7	'Find Handsets' option is being displayed on the configuration menu of VVX D60 Base Station even when no handsets are registered.	No workaround is available

Known Issues and Suggested Workarounds for UC Software 5.4.7

Category	Issue ID	Release	Description	Workaround
Interoperability D60 Handset	VOIP-127261	5.4.7	If a VVX business media phone paired via PC port to a VVX D60 Base is powered off, the pairing is lost sometime after the power is on.	Unplug the PC port of the VVX D60 Base Station to re-pair.
Interoperability D60 Handset	VOIP-127837	5.4.7	Sometimes the VVX business media phone reboots while negotiating to re-pair with the VVX D60 Base Station.	No workaround is available. The pairing is restored after reboot.
Network	VOIP-113039	5.4.3	The VVX business media host phone does not forward the base station's LLDP packets to the network when the VVX D60 Base Station is connected to the PC port on the VVX business media phone and LLDP, CDP, and DVD are disabled.	No workaround is available.
Shared Lines	VOIP-114930	5.4.3	If a server shared line is mapped to a wireless handset, any calls received on the shared line on one wireless handset do not display in the Recent Calls on the other registered wireless handsets.	No workaround is available.
User Interface	VOIP-114799	5.4.3	The base station's name does not display after pairing with the VVX business media phone.	Navigate to the Home or Lines screen, then return to the pairing menu.
User Interface	VOIP-115080	5.4.3	The correct software version does not display in the VVX D60 Upgrade Status menu even though the wireless handset is upgraded to the latest software version.	Turn the wireless handset off, then on.
User Interface	VOIP-115174	5.4.3	When a call is answered on a line that is mapped to a wireless handset and the VVX business media host phone, the call displays as a received call if answered on the VVX business media host phone or as remotely handled if answered on the wireless handset.	No workaround is available.

Known Issues and Suggested Workarounds for UC Software 5.4.7

Category	Issue ID	Release	Description	Workaround
User Interface	VOIP-121595	5.4.6 Rev A	“Pairing with Base Station Please wait...” message displays after seven minutes when the PC port cable is unplugged from VVX business media phone during the pairing state.	No workaround is available.
User Interface	VOIP-122678	5.4.6 Rev A	“Low battery, Please leave the handset in the cradle and wait” message is persistently displayed when the battery is displayed on the VVX D60 as 2 bars, and the headset is placed on and removed from the base station repeatedly.	Remove the battery and assemble it once again.

Updates to Previous Software Releases

This section includes the updates that were made during the prior software releases.

What’s New in Polycom UC Software 5.4.6 Rev A

Polycom® Unified Communications (UC) Software 5.4.6 Rev A is a release for Polycom for all Open SIP servers along with Microsoft® Lync® 2010, Microsoft® Lync 2013, Skype™ for Business, and Skype™ for Business Online interoperability. This release improves the functionalities related to the GENBAND environments for Polycom phones.

Polycom UC Software 5.4.6 Rev A Skype™ for Business supports the following Polycom endpoints:

- Polycom® VVX® 201 business media phones
- Polycom® VVX® 300/310 business media phones
- Polycom® VVX® 301/311 business media phones
- Polycom® VVX® 400/410 business media phones
- Polycom® VVX® 401/411 business media phones
- Polycom® VVX® 500 business media phones
- Polycom® VVX® 501 business media phones
- Polycom® VVX® 600 business media phones
- Polycom® VVX® 601 business media phones
- Polycom® SoundStructure® VoIP Interface

Polycom UC Software 5.4.6 Rev A Skype™ for Business supports the following Polycom accessories:

- Polycom® VVX® Color Expansion Module

Polycom UC Software 5.4.6 Rev A for Open SIP environments supports the following Polycom endpoints:

- Polycom® VVX® 101 business media phones

- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- Polycom® VVX® 1500 business media phones
- SoundStructure® VoIP Interface

Polycom UC Software 5.4.6 Rev A for Open SIP environments supports the following Polycom accessories:

- Polycom® VVX® Camera
- VVX Color Expansion Module
- Polycom® VVX® Paper Expansion Module
- Polycom® VVX® D60 Wireless Handset and Base Station

These release notes provide important information on software updates, phone features, and known issues.

New display component on VVX 500 business media phones

VVX 500 business media phones manufactured as of May 2017 are shipped with the new display component from a secondary component vendor. If the VVX 500 business media phone with a new component encounters a version of UC Software on the provisioning server that is not compatible and does not support the new component, the phone installs the UC software and you may experience flicker.

Locking the Web Configuration Utility after Failed Login Attempts

You can lock access to the Web Configuration Utility after a series of failed login attempts and configure a period of time a user can attempt to log in again. Use the following parameters to configure additional security after multiple failed login attempts:

- `httpd.cfg.lockWebUI.enable`
- `httpd.cfg.lockWebUI.lockOutDuration`
- `httpd.cfg.lockWebUI.noOfInvalidAttempts`
- `httpd.cfg.lockWebUI.noOfInvalidAttemptsDuration`

Reboot or restart of the phone will result in the reset of the following:

- 1 Last successful & unsuccessful Web-UI login attempt details
- 2 Web-UI lock state and remaining logon attempts.

Any configuration updates of the Web-UI lock parameters will result in the reset of the Web-UI lock state and remaining logon attempts.

Enable the Exchange Call Log

The call logs of the user are synchronized with the server along with the log of missed, received, and outgoing calls that can be retrieved, using the parameter `feature.exchangeCallLog.enabled`.

This chapter includes the updates that were made during the prior software releases.

Configuration File Enhancements

The following table lists configuration file enhancements that include new or changed parameters for this Polycom UC Software 5.4.6 Rev A release. For more information on using configuration parameters to enable or disable features, see the *Administrator Guide for Polycom UC Software 5.4.x* available on the [Polycom Voice Support](#) site.

Configuration File Enhancements in UC Software 5.4.6 Rev A

Parameter Template	Permitted Values	Issue Number
<code>httpd.cfg.lockWebUI.enable</code>	Type – Boolean 1 (default) – The account locking is enabled during web UI login for user or administrator. 0 – The account locking is disabled during web UI login for user or administrator.	VOIP-121127
<code>httpd.cfg.lockWebUI.lockOutDuration</code>	Type – SInt 60 (default) – The default lock-out time for the user or administrator. minimum – 60 (seconds) maximum – 300 (seconds) The lock-out timer will start after the maximum number of unsuccessful attempts within the configured duration. After the lock-out time has expired, the timers and the number of incorrect attempts will reset.	VOIP-121127
<code>httpd.cfg.lockWebUI.noOfInvalidAttempts</code>	Type – SInt 5 (default) – The number of incorrect password attempts (N) after which the locking mechanism is enabled. minimum – 3 maximum – 20	VOIP-121127

Configuration File Enhancements in UC Software 5.4.6 Rev A

Parameter Template	Permitted Values	Issue Number
<code>httpd.cfg.lockWebUI.noOfInvalidAttemptsDuration</code>	<p>Type – SInt</p> <p>60 (default) – The number of seconds for locking out the user or administrator for incorrect password attempts (N). minimum – 60 maximum – 300</p> <p>If the number of attempts are not met in the specific time frame, then the lock-out timer will get reset and then the attempts count will reset.</p> <p>Timer for locking the window, will again start after the first incorrect password attempt.</p>	VOIP-121127
<code>feature.exchangeCallLog.enabled</code>	<p>If base profile is:</p> <p>Generic – 0 (default) Skype for Business – 1 (default)</p> <p>The parameter <code>feature.exchangeCallLog.enabled</code> works only if <code>feature.callList.enabled</code> is 1 (enabled).</p> <p>1 – When enabled, user call logs are synchronized with the server.</p> <ul style="list-style-type: none"> The value of the configuration parameter <code>callLists.collapseDuplicates</code> that collapses call lists has no effect in the Skype for Business environment. The local call logs are not generated when the following parameters are disabled: <ul style="list-style-type: none"> ▲ <code>feature.callListMissed.enabled</code> ▲ <code>feature.callListPlaced.enabled</code> ▲ <code>feature.callListReceived.enabled</code> <p>0 – If disabled, the phone generates call logs locally.</p>	VOIP-122764

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.6 Rev A.

Resolved Issues in UC Software 5.4.6 Rev A

Category	Issue ID	Found in Release	Description
Audio	VOIP-119026	5.4.4	Intermittent loss of reorder tone for shared lines results in no audio indication that the call has failed.
Audio	VOIP-121871	5.4.5	An active call on mute with the termination headset becomes unmuted when Plantronics Blackwire C725/C325 USB headset is connected to the VVX business media phones.
Audio	VOIP-122168	5.4.5	Static audio issue on VVX 411 business media phone with Plantronics Blackwire C725-M USB headset.

Resolved Issues in UC Software 5.4.6 Rev A

Category	Issue ID	Found in Release	Description
Audio	VOIP-122174	5.4.1	After a factory reset, the VVX business media phone restores the VQmon feature.
BToE	VOIP-122133	5.4.4 5.4.5	Better Together over Ethernet (BToE) paired Skype for Business client sends "stopConversation" message if the first name in the URI contain only numerals.
Calling	VOIP-120312	5.4.4	Inbound calls to VVX 3XX/4XX business media phones from BroadSoft Contact Center does not produce audible ring and fails to establish media.
Calling	VOIP-121133	4.0.8 5.1.3 5.4.1	Lowering Maximum Transmission Unit (MTU) on VVX 1500 business media phone causes high load on Session Border Controller (SBC) due to excessive fragmented packets.
Calling	VOIP-121313	5.4.1 5.4.4 5.4.5	The Secure Real-Time Protocol (SRTP) Require causes call failure when call starts with no video and then re-INVITE with video.
Calling	VOIP-121545	5.4.5	BToE does not allow phone calls to local favorites to be dialed.
Calling	VOIP-123267	5.4.5	When a SIP message is received from an unregistered source, the VVX business media phone responds to that source with a 404 message.
General	VOIP-119594	5.4.2 5.4.4	VVX business media phones do not process tagged CDP packets when DHCP option 144 is configured to discover VLAN and IP.
Provisioning	VOIP-120680	5.4.4	If provisioning server address is a url to download the sip.ld file, VVX business media phone adds a '/' in the server name before appending '/' to file name (sip.ld).
Skype for Business	VOIP-117978	5.4.3	With exchange online, the deployment phone does not recognize the keys pressed to play the voice mails.
Skype for Business	VOIP-119110	5.4.4	Call drops from Skype for Business conference when selecting headset mode while VVX business media phone is transitioning to PC Audio Mode.
Skype for Business	VOIP-122292	5.4.5	VVX business media phone goes into a reboot loop directly after signing into Skype for Business with a corrupted dial plan.
Skype for Business	VOIP-122441	5.4.5 5.4.6 5.5.1	VVX business media phone does not work with Exchange Auto Discover in some specific customer deployments.
Skype for Business	VOIP-122843	5.4.3	VVX business media phones are randomly logging out in some customer environments.

Resolved Issues in UC Software 5.4.6 Rev A

Category	Issue ID	Found in Release	Description
Security	VOIP-121344	5.5.1	During the process of getting a third party device certificate, the private key gets uploaded to the boot server along with the CSR certificate.
Security	VOIP-122015	5.4.5	The VVX business media phones fail to sign in to an Skype for Business account due to the expired GlobalSign Root R3 CA certificate.
User Interface	VOIP-117411	5.4.4	VVX 410 business media phone goes into a reboot loop when expansion module is attached with 20 bosses and 150 contacts and the parameters <code>device.net.etherStormFilterPpsValue.set</code> is configured to 1 and <code>device.net.etherStormFilterPpsValue</code> is configured to 17.
User Interface	VOIP-117422	5.4.4	Hoteling GuestIn or GuestOut soft keys are not displaying when Automatic Call Distribution (ACD) is enabled.
User Interface	VOIP-119519	5.4.4 5.5.0	Web UI of VVX business media phones display incorrect registration instructions of VVX D60.
User Interface	VOIP-120030	5.5.1	VVX D60 supports only 15 characters in the name field.
User Interface	VOIP-120186	5.4.4 5.5.0	The Wachtstand option to hold a call is not displayed on the VVX business media phone screen when language is set to <code>lcl.ml.lang="Dutch_Netherlands"</code> .
User Interface	VOIP-120525	5.4.4	VVX business media phones display the incorrect French translation for VVX-dictionary.xml string 2967.
User Interface	VOIP-120776	5.4.1	Speed dials are not displayed momentarily when logging out and back in during the change in the destination directory file.
User Interface	VOIP-120800	4.0.11 5.4.4 5.5.0 5.5.1	The "Sort" string in Spanish is displayed as "Ordenar" instead of "Arreglar" on the Call Lists page.
User Interface	VOIP-120850	5.4.4 5.4.5	VVX business media phones 500/600 display duplicate French translation for Singapore in phone's timezone setting.
User Interface	VOIP-121055	5.5.1	Admin holds the call instead of transferring upon pressing Safe Transfer softkey during BtoE Playback.

Resolved Issues in UC Software 5.4.6 Rev A

Category	Issue ID	Found in Release	Description
User Interface	VOIP-121127	5.4.1	The locking functionality is enabled by default for web UI login access with the following values: Max number of attempts as 5 Invalid attempts window duration as 60 seconds Lock-out window duration as 60 seconds Reboot or restart of the phone will result in reset of the last unsuccessful and successful login attempt details.
User Interface	VOIP-121525	5.5.1	The missed calls notification does not disappear from the status bar of the Idle screen even though the logs are verified on VVX D60.
User Interface	VOIP-121576	5.4.5	When the non default language is configured on the VVX D60 phone, the handset still shows the English word "select" in the Settings menu instead of its translation to the configured language.
User Interface	VOIP-121900	5.4.1 5.5.0	VVX business media phone does not display an error message when using QuickStart feature for provisioning and when credentials are invalid.
User Interface	VOIP-121959	5.4.5 5.5.0 5.5.1	VVX D60 translation of "New Call" for German language is incorrect.
User Interface	VOIP-122344	5.5.0	Input digits are missing when pressing the digits fast after the transfer is initiated.
User Interface	VOIP-122540	5.4.5	VVX 400 business media phone displays an incorrect remote call identity for the BLF contacts when the corresponding BLF line key is pressed and the <code>attendant.resourceList.1.type="automata"</code> is configured.
User Interface	VOIP-122764	5.4.5 5.5.1	Call list will be synced with Exchange server only when the <code>parameter feature.callList.enabled="1"</code> .
User Interface	VOIP-122951	5.5.1	The "Exchange URL not configured" warning message is displayed even when the Exchange Calendar feature is disabled on the VVX business media phone.
User Interface	VOIP-122980 VOIP-123313	4.0.11 5.4.5 5.5.1	The GuestIn softkey does not display if the subscription attempt for hoteling was met with a 403 response, before the 200 OK status code response
Web Interface	VOIP-120197	5.4.4 5.5.0	The phone randomly reboots after user registers Skype for Business on-premises.

What's New in Polycom UC Software 5.4.5 Rev E

Polycom® Unified Communications (UC) Software 5.4.5 Rev E is a release for Polycom for all Open SIP servers along with Microsoft® Lync® 2010, Microsoft® Lync 2013, Skype™ for Business, and Skype™ for Business Online interoperability. This release improves the functionalities related to the GENBAND environments for Polycom phones.

Polycom UC Software 5.4.5 Rev E Skype™ for Business supports the following Polycom endpoints:

- Polycom® VVX® 201 business media phones
- Polycom® VVX® 300/310 business media phones
- Polycom® VVX® 301/311 business media phones
- Polycom® VVX® 400/410 business media phones
- Polycom® VVX® 401/411 business media phones
- Polycom® VVX® 500 business media phones
- Polycom® VVX® 501 business media phones
- Polycom® VVX® 600 business media phones
- Polycom® VVX® 601 business media phones
- Polycom® SoundStructure® VoIP Interface

Polycom UC Software 5.4.5 Rev E Skype™ for Business supports the following Polycom accessories:

- Polycom® VVX® Color Expansion Module

Polycom UC Software 5.4.5 Rev E for Open SIP environments supports the following Polycom endpoints:

- Polycom® VVX® 101 business media phones
- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- Polycom® VVX® 1500 business media phones
- SoundStructure® VoIP Interface

Polycom UC Software 5.4.5 Rev E for Open SIP environments supports the following Polycom accessories:

- Polycom® VVX® Camera
- VVX Color Expansion Module
- Polycom® VVX® Paper Expansion Module
- Polycom® VVX® D60 Wireless Handset and Base Station

These release notes provide important information on software updates, phone features, and known issues.

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.5 Rev E.

Resolved Issues in UC Software 5.4.5 Rev E

Category	Issue ID	Found in Release	Description
Audio	VOIP-121216	5.4.5	The VVX 501 and 601 phones now support Acoustic Fence.
	VOIP-122207	5.4.1	
Calling	VOIP-121362	5.4.4	The issue that causes the phone not to reboot when check-sync NOTIFY is received with the parameter <code>voIpProt.SIP.specialEvent.checkSync.alwaysReboot="1"</code> is fixed.
	VOIP-121400		
User Interface	VOIP-121180	5.4.5	VVX phones now display the Buddy presence status for upto 64 contacts.
	VOIP-121840	5.4.4	

What's New in Polycom UC Software 5.4.5

Polycom® Unified Communications (UC) Software 5.4.5 is a release for Polycom for all Open SIP servers along with Microsoft® Lync® 2010, Microsoft® Lync 2013, Skype™ for Business, and Skype™ for Business Online interoperability. This release improves the functionalities related to the GENBAND environments for Polycom phones.

Polycom UC Software 5.4.5 supports the following Polycom endpoints:

- VVX 101 business media phones
- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- SoundStructure® VoIP Interface
- VVX 1500 business media phones

Polycom UC Software 5.4.5 supports the following Polycom accessories:

- VVX Camera
- VVX Expansion Module
- VVX D60 Wireless Handset

These release notes provide important information on software updates, phone features, and known issues.

Configuration File Enhancements

The following table lists configuration file enhancements that include new or changed parameters for this Polycom UC Software 5.4.5 release. For more information on using configuration parameters to enable or disable features, see the *Administrator Guide for Polycom UC Software 5.4.x* available on the [Polycom Voice Support](#) site.

Configuration File Enhancements in UC Software 5.4.5

Parameter Template	Permitted Values	Issue Number
<code>attendant.callWaiting.enable</code>	0 (default) – When disabled, the phone does not generate acoustic indication of call waiting for attendant calls. 1 – When enabled, the phone generates an acoustic indication of call waiting for attendant calls.	VOIP-118684
<code>attendant.callWaiting.ring</code>	Silent – This parameter is valid only if <code>attendant.callWaiting.enable</code> is set to 1. Specifies the ringtype to be used for notifying an attendant call if there is an active call already present on the phone. If set to silent, no acoustic indication is provided. beep – If set to beep, beep tone is played when there is an active call on the phone and an attendant call is received. ring – If set to ring, ring tone configured in <code>attendant.ringType</code> is used to alert the user when there is an active call on the phone and an attendant call is received.	VOIP-118684
<code>call.autoAnswer.playTone.enable</code>	1 (default) – If <code>call.autoAnswer.playTone.enable</code> is enabled, the auto-answer tone is played. 0 – If <code>call.autoAnswer.playTone.enable</code> is disabled, the auto-answer tone is not played.	VOIP-116716
<code>call.shared.preferCallInfoCID</code>	0 (default) – If the value is 0, the Caller-ID information received in the 200 OK status code will not be ignored if the NOTIFY message received with caller information includes display information. 1 – If the value is set to 1, the Caller-ID information received in the 200 OK status code will be ignored if the NOTIFY message received with caller information includes display information.	VOIP-115283
<code>device.logincred.extension</code>	0 to 32 – When phones are configured for Registration with Pin-Auth credentials, phones read extension from this configuration parameter. Empty string (“”) (default) – If the default value is set, phones will not trigger registration.	VOIP-105796

Configuration File Enhancements in UC Software 5.4.5

Parameter Template	Permitted Values	Issue Number
<code>device.logincred.pin</code>	0 to 32 – When phones are configured for Registration with Pin-Auth credentials, phones read Pin from this configuration parameter. Empty string ("") (default) – If the default value is set, phones will not trigger registration.	VOIP-105796
<code>device.net.etherStormFilterPpsValue.set</code>	0 (default) – When set to 0, the <code>device.net.etherStormFilterPpsValue</code> parameter cannot be configured. 1 – When set to 1, the <code>device.net.etherStormFilterPpsValue</code> parameter can be configured.	VOIP-117889
<code>device.net.etherStormFilterPpsValue</code>	38 (default) 17 to 40 – With this parameter configuration, the corresponding packets per second (pps) will be set for storm filter and controls the incoming network traffic accordingly.	VOIP-117889
<code>dir.corp.cacheSize</code>	64 (default) 32 to 64 – The maximum number of entries that can be cached locally on the phone using the BER platform.	VOIP-119980
<code>dir.corp.pageSize</code>	16 (default) 8 to 32 – The maximum number of entries requested from the corporate directory server with each query on a BER platform.	VOIP-119980
<code>gos.ethernet.tcpQosEnabled</code>	0 (default) – If set to 0, the phone does not send configured Quality of Service (QoS) priorities for SIP on Transport Control Protocol (TCP). 1 – If set to 1, the phone sends configured Quality of Service (QoS) priorities for SIP on Transport Control Protocol (TCP).	VOIP-117546
<code>softkey.feature.directories</code>	1 (default) – If set to 1, the Directories soft key is displayed on the idle screen of the VVX phone. 0 – If set to 0, the Directories soft key is not displayed on the idle screen of the VVX phone.	DOC-1440
<code>up.basicSettings.networkConfigEnabled</code>	0 (default) – If the value is 0, Network Configuration menu item is not shown under Basic Settings menu. 1 – If the value is 1, Basic Setting menu shows Network Configuration Menu item with few configurable network options for the user without admin rights.	VOIP-119072

Configuration File Enhancements in UC Software 5.4.5

Parameter Template	Permitted Values	Issue Number
<code>up.softkey.transferTypeOption.enabled</code>	1 (default) – If the value is 1, the transfer type can be changed from consultative to blind and vice versa using a soft key after the user has initiated a transfer, but before completing the call to the far end. 0 – If the value is 0, there is no option to change from consultative to blind and blind to consultative when the user is in dial prompt after pressing the Transfer soft key.	VOIP-118065
<code>voice.handsetHeadset.rxdg.offset</code>	0 (default) 9 to -12 – Offsets the RxDg range of the handset and headset by the specified number of decibels.	VOIP-117878
<code>voice.handsfreePtt.rxdg.offset</code>	0 (default) 9 to -12 – Offsets the RxDg range of the hands-free and hands-free Push-to-Talk (PTT) by the specified number of decibels.	VOIP-117878
<code>voice.ringerPage.rxdg.offset</code>	0 (default) 9 to -12 – Offsets the RxDg range of the ringer and hands-free Page by the specified number of decibels.	VOIP-117878
<code>voIpProt.SIP.callinfo.precedence.overAlertinfo</code>	0 (default) – This parameter is used to give priority to call-info header with answer-after string over alert-info header. If set to 0, the alert-info is given priority. 1 – If set to 1, the call-infor header is given priority.	VOIP-114208
<code>voIpProt.SIP.renewSubscribeOnTLSRefresh</code>	1 (default) – When enabled, for an as-feature-event, the SUBSCRIBE message shall be sent along with the RE-REGISTER when Transport Layer Security (TLS) breaks. 0 – When disabled, the SUBSCRIBE and RE-REGISTER messages shall be sent at different times.	VOIP-117161



Recommendation for registering phones in Skype for Business environments through configuration parameters are as follows:

For SSI:

```
reg.1.auth.loginCredentialType="usernameAndPassword"
reg.1.address = "xxxx@domain.com"
device.set="1"
device.logincred.user.set = "1"
device.logincred.user = "xxxx"
device.logincred.password.set = "1"
device.logincred.password = "xxxxxx"
device.logincred.domain.set = "1"
device.logincred.domain = "domain"
```

For Pin-Auth:

```
reg.1.auth.usePinCredentials="1"
reg.1.auth.loginCredentialType = "extensionAndPIN"
device.set="1"
device.logincred.extension.set = "1"
device.logincred.extension = "xxxx"
device.logincred.pin.set = "1"
device.logincred.pin = "xxxx"
```

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.5.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
Audio	VOIP-115125	5.4.2	The issue that causes VVX phones to not able to dial out from the placed call list when the OPUS codec is in use is fixed.
Audio	VOIP-118273	4.1.8 5.4.2	The issue that causes an audio garble while a call is placed after an incoming intercom call is fixed.
Audio	VOIP-118622	5.4.4	The issue that causes audio loss on VVX for around eight seconds for call center calls through Anywhere365 is fixed.
BroadSoft	VOIP-114208	5.4.2 5.4.1 4.1.8 5.3.1 5.3.2	The voIpProt.SIP.callinfo.precedence.overAlertinfo parameter is introduced to set the priority between call-info header with answer-after string and alert-info.
Browser	VOIP-117595	5.3.0	Sluggish behavior observed on the VVX 1500 phones that is caused by the browser utilizing more than 40% of the available system memory has been corrected by causing the browser to silently restart.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
BToE	VOIP-117570	5.4.1 5.4.4	SSH Key is no longer hardcoded on the phones even though it is used with BToE.
BToE	VOIP-118317	5.4.2	Improved the stability of pairing of BToE application with phone by handling heartbeat messages.
BToE	VOIP-118992	5.4.4	The issue that causes the Polycom BToE Connector to log too much data at BTOE_DBG_DBG is fixed.
BToE	VOIP-119157	5.4.2	The issue that causes the BToE application to randomly disconnect and then drop from the conference call is fixed.
Busy Lamp Field	VOIP-117809	5.4.4	The issue that causes the Busy Lamp Field (BLF) update on the phone to fail after the first reboot is fixed.
Calling	VOIP-114833	5.4.2	The VVX 101 and 201 phones now allow transfer and hold when the parameter <code>softkey.feature.basicCallManagement.redundant="0"</code> .
Calling	VOIP-115887 VOIP-117391	4.0.9	The caller ID for outbound calls on Genband MADN lines will now be displayed instead of the message "Unknown".
Calling	VOIP-116261 VOIP-116407	5.4.0	A race condition in which, two VVX 500 participants from a single Response Group off-hooks a call at almost the same time, resulting in an incorrect missed call notification at the participant who off-hooked last is fixed.
Calling	VOIP-116272	4.0.9	Phones now use the contact URI and Tel URI in the request line of the BYE message. When the <code>reg.1.telUri</code> parameter is disabled, the phone uses the contact URI and the call ends. When the <code>reg.1.telUri</code> parameter is enabled, the phone uses the Tel URI and the call ends.
Calling	VOIP-117206	5.2.4 5.4.4	Idle shared line phones no longer responds with a 486 (Busy) response when the parameter <code>call.stickyAutoLineSeize</code> is enabled.
Calling	VOIP-117375	4.0.10 5.4.4	The issue that causes a random Enhanced 911 (E.911) call failure when the phone is set to a static IP address is fixed.
Calling	VOIP-117528	5.4.4	The issue that causes the incorrect destination to be displayed in the in call list when registrations are configured with multiple line keys is fixed.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
Calling	VOIP-117689	5.4.4	Phone no longer rings on SIP INVITE from other sources other than the registered servers if the following parameters are configured: <ul style="list-style-type: none"> <code>serversvoIpProt.SIP.requestValidation.x.method= " "</code> <code>voIpProt.SIP.requestValidation.x.request= " "</code>
Calling	VOIP-117746	5.4.2	The issues that causes phones to fail in dialing full URI if the URI contains extension format x1234 instead of ext=1234 is fixed.
Calling	VOIP-117852 VOIP-118065	5.4.4	The new transfer behavior introduced in UCS 5.3.0 was not made configurable, forcing customers who upgraded to versions of UCS from UCS 5.3.0 to be presented with a new transfer behavior. This behavior was not suitable for all users, so it is necessary to allow either the old or new behavior to be selected via configuration. In this release, the transfer behavior can be set via the new parameter <code>up.softkey.transferTypeOption.enabled</code> .
Calling	VOIP-118107	5.4.4	The issue that causes the phone to reboot and create core dump files during incoming calls in specific environments is fixed.
Calling	VOIP-118274	5.4.4	The issue that causes VVX to create a new TLS socket when a call is canceled shortly after dialing that resulting in loss of registration is fixed.
Calling	VOIP-118443	5.4.4	The issue that causes the DUT to not place an intercom call on MUTE for ringAnswerMute after the call is answered manually while there is in active call on DUT with a phone. The issue that causes the phone to fail to place an intercom call on MUTE when the value of <code>call.autoAnswer.ringClass</code> is set to ringAnswerMute and an intercom call is answered manually while there is in active call has been fixed.
Calling	VOIP-119017	5.4.2	When the admin terminates a call that was previously placed on hold by the boss, the call randomly re-appears as a held call on the boss' phone. This issue is fixed.
Calling	VOIP-119454	5.5.0	Office 365 (O365) accounts will now work when Polycom user agent is used.
Configuration	VOIP-115897	5.4.1 5.4.2	VVX Phones upon receiving the INVITE message with multiple diversion headers now display the first diversion header when the parameter <code>voIpProt.SIP.header.diversion.list.useFirst = "1"</code> .

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
Configuration	VOIP-115991	4.0.8 4.0.9	Problems with sending Network Address Translation (NAT) keep alive messages to the call server is fixed.
Configuration	VOIP-116907	5.4.2	The issue that causes the phone to failover when re-registration on failover (RROFO) is enabled and mode is set to registration is fixed.
Configuration	VOIP-118172	5.4.4	The issue that corrupts the Russian localized contacts on the phone is fixed.
Configuration	VOIP-118722	5.4.4	The issue that causes the NAT keepalive message to be sent to one registered line when two lines are configured on a VVX phone on ports 1 and 2 is fixed.
Contact Directory	VOIP-117521	5.4.5	Directory entries in the BroadSoft directory stored on the Broadworks server were not displayed on the phone if the entries included non-standard characters, that includes many standard non-English characters such as characters represented by ASCII codes from 128 to 159. From UCS 5.4.5, these characters will be supported and any contact entered into the BroadSoft directory will display correctly on the phone.
Contact Directory	VOIP-117937	5.4.5 5.5.0	The email address field data of a contact is not getting saved in the local contact directory when the contact is searched from BroadSoft Directory and saved while in BroadSoft Directory. This issue is fixed.
Contacts	VOIP-118983	5.4.3 5.5.0	The issue that causes phones to lose all contacts randomly in some specific customer environments.
D60	VOIP-120015	5.4.4	In a Broadworks environment, the issue that causes feature access codes dialed through D60 to fail when dial string includes a pound (#) is fixed.
D60	VOIP-120212	5.4.4	VVX D60 now handles in-band DTMF properly when RFC2833 is unavailable.
Directory	VOIP-119118	5.4.1 5.4.4 5.5.0	At the time of the configuration update, the directory files 00000000-directory.xml and <MAC>-directory.xml, will be downloaded regardless of what the trigger is, by ensuring that the counter for contacts in the directory is correctly managed.
Functionality	VOIP-116368	5.4.2	Blind transfer of the call to Exchange auto attendant in Skype for Business online environment now works without any issue.
Functionality	VOIP-117025	5.4.4	Failure of Domain Name System (DNS) fallback to correctly work after an SRV query fails and then performing a subsequent A record query for the same Network Time Protocol (NTP) address is fixed.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
Functionality	VOIP-117141	5.4.2	Phones now throughputs at the rate of the speed of LAN when the PC is connected to the PC port of the phone.
Functionality	VOIP-117775	5.4.2	Internal DSP problems that cause VVX600 to intermittently reboot on receipt of an incoming call is fixed.
Functionality	VOIP-118096	5.4.3 5.4.4 5.5.0	The issue that causes D60 spurious benign EVENT 4 messages to be printed in phone logs is fixed.
Functionality	VOIP-118318	5.4.4	The issue that causes the phones to reboot during a call or while browsing directories in specific customer environments is fixed.
Functionality	VOIP-118321	5.5.0	The issue that causes the phone to upload core dump upon restart is fixed.
Functionality	VOIP-119610	5.5.0	The issue that causes VVX phones to upload core dumps when subscribing to <code>attendant.uri</code> in the Asterisk 13 environment is fixed.
General	VOIP-112622	5.2.0	When the parameter <code>reg.x.server.y.specialInterop</code> is set to Genband, the user can enter multiple entries in the contact directory without causing any issues.
General	VOIP-115056	5.4.2	On VVX 500 and VVX 600 phones, DTMF tones will be played when a user is in an active and non-held call.
General	VOIP-115935	5.4.1	The issue that causes VVX 501 and 601 to not able to power both a VVX Camera and a VVX Expansion Module over an IEEE802.3af source is fixed.
General	VOIP-116483	5.4.2	VVX phones now complete the blind transfer with Competella switch board.
General	VOIP-116944	5.4.0 5.4.2 5.4.3	Performance of the VVX 1500 phone has been improved to resolve problems that caused sluggishness on the phone's user interface.
General	VOIP-117714	5.4.2	The issue that causes VVX600 to occasional lockup and reboot is fixed.
General	VOIP-117820 VOIP-117824	5.4.5	VVX 4xx keys will not become unresponsive after long periods of continuous use.
General	VOIP-117988	4.0.11	Additionally added Certificate Authority (CA) bundle (ca10.crt) for Web Server profile is now removed.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
General	VOIP-118209	5.4.2 5.4.4	The issue that causes phones to not request DHCP option 144 after firmware upgrade is fixed.
General	VOIP-118412	5.4.2	The issue that causes failback to primary server to not honor the duration timer after the first failure from primary server is fixed.
General	VOIP-118650	5.4.3	Frequent reboots with core dumps in a specific customer environment with Broadworks Application Server R21SP1 through an SBC - Oracle OAP4600 is now fixed.
General	VOIP-120606	5.4.2	The issue that causes Polycom devices to unintentionally resync and download new software during customer maintenance of their Edge system when no resync is applied to the phone is fixed.
Interoperability	VOIP-117263	4.0.10 5.4.4	In the event of a server outage, the phone will now attempt to obtain presence information from a backup server.
Network	VOIP-116750	5.4.2	The issue that causes the VVX to fail to pass the LLDP packets to a computer connected to the PC-port of the VVX is fixed.
Networking	VOIP-119286	5.2.5 5.4.4 5.5.0	The issue that causes the phone to fail to utilize the contact header containing maddr parameter in the 301 response received to the outbound INVITE is fixed.
Provisioning	VOIP-119012	5.4.4	The issue that causes phones to take three minutes to restart after receiving NOTIFY CHECK-SYNC is fixed.
Provisioning	VOIP-120123 VOIP-120234	5.4.2	The issue that causes VVX to not auto-reboot during a provisioning update is fixed.
Registration	VOIP-117744	5.4.2	The issue that causes the phone to unregister while an invalid uniform resource identifier (URI) call is ended in a Skype for Business environment is fixed.
Registration	VOIP-118373	5.4.2 5.4.4 5.4.5	The issue that causes phones to lose registration during failover to secondary server when receiving a valid response is fixed.
Session Description Protocol	VOIP-117309	5.4.3	Phones after rejecting Invite in-dialog with "488 Not Acceptable" message now sends media attributes in Session Description Protocol (SDP) when the Hold button is pressed immediately.
Session Description Protocol	VOIP-117433	5.4.3	The issues that causes the phones to play the local ring back tone after receiving 183 Session Progress response code with SDP is fixed.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
Security	VOIP-115022	5.2.5 5.4.3 5.5.0	BroadSoft best practices recommend separating the actual domain name (DN) from the address as specified by the <code>reg.x.address</code> parameter to improve security. Prior to this fix, placing additional characters in the address field (<code>reg.x.address</code>) for a private line would result in failures of the Enhanced Call Park feature. With this fix, private lines will be able to use the parameter <code>reg.x.lineAddress</code> , to define where the call should be parked and enable full operation of Enhanced Call Park. Note that if there is no value specified for <code>reg.x.lineAddress</code> , <code>reg.x.address</code> will be used.
Security	VOIP-117074	5.4.3 5.4.4	VVX device certificate can now be sent through Xtended Services Interface (XSI) when requested.
Skype for Business	VOIP-116987	5.4.2	The message displayed in Japanese language when the user signs in Skype for Business is corrected.
Skype for Business	VOIP-117515	5.4.1	The number of Exchange Web Services (EWS) requests from the phone has been significantly reduced to avoid flooding the server with messages.
Skype for Business	VOIP-117823	5.4.2	The inconsistency with the Back soft key in phone's Lync Skype for Business Directory is fixed.
Skype for Business	VOIP-118014	5.4.1	The issue that causes VVX phones to fail in using Extension and Pin for sign in in a production environment when using the parameter <code>dhcp.option43.override.stsUri</code> is fixed.
Skype for Business	VOIP-118342 VOIP-118646 VOIP-119431 VOIP-119021 VOIP-120704	5.4.2 5.4.4	The issues that causes VVX reboots during large Skype for Business conference call is fixed.
Skype for Business	VOIP-118346	5.5.0	When the VVX phone is connected through BToE and user selects Sign-in > Via PC option, Skype for Business client now displays the Logon information needed pop-up box.
Skype for Business	VOIP-118549	5.4.1 5.5.0	The issue that causes PIN authentication phones to get unregistered during system maintenance is fixed.
Skype for Business	VOIP-119174	5.4.5	If an SIP URI had special characters in it such as '&', self-presence always showed as Unknown and Pin Auth sign in would not work. This is now fixed so that any characters can be included in the SIP URI without issue.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
Skype for Business	VOIP-119495	5.4.4	The issues that causes call forwarding to the number added by the client in phones to fail because of appended domain. VVX phones being unable to forward to a phone number added through the Skype for Business client because of the automatically appended domain is fixed.
User Experience	VOIP-117692	5.4.4	PSTN caller can now hear a ringback tone for a Skype for Business (SfB) call to VVX through Sonus gateway.
User Interface	VOIP-115037	5.4.2	Intermittent losses of speed dial contacts are fixed on VVX101 phone when the parameter <code>lineKey.reassignment.enabled</code> is enabled.
User Interface	VOIP-115301	4.0.9 5.4.1	Phone shows up the configured value on the server when Call Forward No Answer (CFNA) ring count is configured on the server.
User Interface	VOIP-115417	4.1.8 5.4.2	Phones can now configure device parameters imported through the web UI.
User Interface	VOIP-116208	4.0.10 5.2.0 5.4.1 5.4.2 5.4.3	The User Interface language selection will be maintained on the phones after a reboot even if the language selection was made through the Web UI and not the Phone UI.
User Interface	VOIP-116323	4.0.10 5.4.1 5.4.2	The issue that causes Lightweight Directory Access Protocol (LDAP) query search results to not display all the fields if the parameter <code>dir.corp.attribute.x.label</code> contains words with French Symbols is fixed.
User Interface	VOIP-118214	5.4.3 5.4.4	The issue that causes phones to not show the PIN Authentication option after upgrade in specific environments is fixed.
User Interface	VOIP-118968	5.3.0	The issue that causes the HOME screen to show blue background for a long period of time when user presses the Back soft key from Call List in VVX 1500 is fixed.
User Interface	VOIP-119072	All versions	The ethernet and DHCP settings option is enabled for end-user without admin rights that are controllable through the new configuration parameter <code>up.basicSettings.networkConfigEnabled</code> .
User Interface	VOIP-119723	5.4.0	The issue that causes the Name display not to be updated when PAI is presented in the 200 OK of the legacy BLF pickup scenario is fixed.

Resolved Issues in UC Software 5.4.5

Category	Issue ID	Found in Release	Description
User Interface	VOIP-119898	5.4.5	The issue that causes phones to show the full SIP URI in the call logs after reboot if URL has special characters in it is fixed.
User Interface	VOIP-120100	5.4.5 5.6.0	The Conference soft key is now displayed on the VVX phone if the parameter <code>voIpProt.SIP.conference.address</code> or <code>feature.nWayConference.enabled</code> is set to "1" and <code>call.localConferenceEnabled</code> is set to "1".
Web Interface	VOIP-116030	5.4.1	Phone imports device certificates and device parameters from the phone's web interface.
Web Interface	VOIP-119496	5.4.1	Setting the <code>device.snmp.gmtOffset</code> parameter using the Web Configuration Utility's Import Configuration feature did not work. This issue is fixed.

What's New in Polycom UC Software 5.4.4 Rev P

Polycom® Unified Communications (UC) Software 5.4.4 Rev P is a release for Polycom for all Open SIP servers along with Microsoft® Lync® 2010, Microsoft® Lync 2013, Skype for Business, and Skype™ for Business Online interoperability. This release improves the functionalities related to the GENBAND environments for Polycom phones.

Polycom UC Software 5.4.4 Rev P supports the following Polycom endpoints:

- VVX 101 business media phones
- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- SoundStructure VoIP Interface
- VVX 1500 business media phones

Polycom UC Software 5.4.4 Rev P supports the following Polycom accessories:

- VVX Camera
- VVX Expansion Module
- VVX D60 Wireless Handset

These release notes provide important information on software updates, phone features, and known issues.

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.4 Rev P.

Resolved Issues in 5.4.4 Rev P

Category	Issue ID	Found in Release	Description
Interoperability: GENBAND	VOIP-117511 VOIP-118297	5.4.4	In a GENBAND environment, Polycom phones now handle video calls over SRTP or TLS, and the two-way video call now works without any issues over TLS or SRTP.
Interoperability: GENBAND	VOIP-118238	5.4.4	In a GENBAND environment, Polycom phones no longer reboot when a consultative transfer is initiated and the other party enables a directed call pickup.
Interoperability: GENBAND	VOIP-118239	5.4.4	In a GENBAND environment, Polycom phones improve handling of SIP 4xx responses to a REFER request. The phone makes sure that the first person in the conference stays connected if the centralized conference connection fails.
Interoperability: GENBAND	VOIP-118240	5.4.2 5.4.1	In a GENBAND shared line appearance (SLA) scenario, the LED lamp on Polycom phones now behaves as expected during the public retrieval.

What's New in Polycom UC Software 5.4.4 Rev E

Polycom Unified Communications (UC) Software 5.4.4 Rev E is a release for Polycom for all Open SIP servers along with Microsoft Lync 2010, Microsoft Lync 2013, Skype for Business, and Skype for Business Online interoperability. This release resolves the phone upgrade through Voice VLAN.

Polycom UC Software 5.4.4 Rev E supports the following Polycom endpoints:

- VVX 101 business media phones
- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- SoundStructure VoIP Interface
- VVX 1500 business media phones

Polycom UC Software 5.4.4 Rev E supports the following Polycom accessories:

- VVX Camera
- VVX Expansion Module
- VVX D60 Wireless Handset

These release notes provide important information on software updates, phone features, and known issues.

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.4 Rev E.

Resolved Issues in 5.4.4 Rev E

Category	Issue ID	Found in Release	Description
General	VOIP-117118	5.5.0	The phone upgrade through Voice VLAN now works without any issue.

What's New in Polycom UC Software 5.4.4

Polycom Unified Communications (UC) Software 5.4.4 is a release for Polycom for all Open SIP servers along with Microsoft Lync 2010, Microsoft Lync 2013, Skype for Business, and Skype for Business Online interoperability.

Polycom UC Software 5.4.4 supports the following Polycom endpoints:

- VVX 101 business media phones
- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- SoundStructure VoIP Interface
- VVX 1500 business media phones

Polycom UC Software 5.4.4 supports the following Polycom accessories:

- VVX Camera
- VVX Expansion Module
- VVX D60 Wireless Handset

These release notes provide important information on software updates, phone features, and known issues.

Configuration File Enhancements

The following table lists configuration file enhancements that include new or changed parameters for this Polycom UC Software 5.4.4 release. For more information on using configuration parameters to enable or disable features, see the *Administrator Guide for Polycom UC Software 5.4.x* available on the [Polycom Voice Support](#) site.

Configuration File Enhancements for UC Software 5.4.4

Parameter	Permitted Values	Default
<code>call.urlNumberModeToggling</code>	0 or 1	0
<p>If it is set to 1, the default mode is set to number mode instead of the url mode, when initiating the url call. If it is set to 0, the default mode is set to the url mode, when initiating the url call.</p>		
<code>device.snmp.gmtOffsetcityID</code>	0 to 126	NULL
<p>If you are not provisioning phones manually from the phone menu or Web Configuration Utility and you are setting the <code>device.snmp.gmtOffset</code> parameter, then you must configure <code>device.snmp.gmtOffsetcityID</code> to ensure that the correct time zone location description displays on the phone menu and Web Configuration Utility. The time zone location description is set automatically if you set the <code>device.snmp.gmtOffset</code> parameter manually using the phone menu or Web Configuration Utility. For descriptions of all values, see the Polycom® UC Software 5.4.2AA for the Polycom® RealPresence Trio™ Solution guide on Polycom Support.</p>		
<code>dir.local.passwordProtected</code>	0 or 1	0
<p>When the parameter is enabled, user will be asked for Admin or User password while adding, editing, or deleting the Contact Directory. Press and hold of line key will not produce an action. When the parameter is disabled, no password prompt is displayed while adding, editing, or deleting the Contact Directory. Press and Hold of line key displays the Add/Edit menu to add or edit contact.</p>		
<code>lcl.ml.lang.japanese.font.enabled</code>	0 or 1	0
<p>This is a reboot parameter and based on enable or disable of this parameter, the newly added or old CJK font will be used for unicode character searches. This parameter is not applicable to BER, SAKE, VVX300, VVX301, VVX310, VVX311, and Tinman.</p>		
<code>sec.TLS.cipherList</code>	String	ALL:!aNULL:!eNULL:!DSS:!SEED :!ECDSA:!IDEA:!MEDIUM:!LOW:!EXP:!ADH:!ECDH:!PSK:!MD5! RC4:@STRENGTH
<p>The global cipher list parameter. The format for the cipher list uses OpenSSL syntax found here: http://www.openssl.org/docs/apps/ciphers.html.</p>		
<code>sec.TLS.LDAP.strictCertCommonNameValidation</code>	0 or 1	0
<p>The <code>sec.TLS.LDAP.strictCertCommonNameValidation</code> is a restart parameter that controls the validation of server certificate common name during Lightweight Directory Access Protocol (LDAP) or LDAPS connection over TLS.</p>		

Configuration File Enhancements for UC Software 5.4.4

Parameter	Permitted Values	Default
<code>sec.TLS.webServer.cipherList</code>	String	ALL:!aNULL:!eNULL:!DSS:!SEED :!ECDSA:!IDEA:!MEDIUM:!LOW! EXP:!ADH:!ECDH:!PSK:!MD5! RC4:@STRENGTH
<p>The cipher list for a web server profile.</p> <p>Note: Change causes phone to restart.</p>		
<code>tcpIpApp.snmp.gmtOffsetcityID</code>	0 to 126	NULL
<p>If you are not provisioning phones manually from the Web Configuration Utility and you are setting the <code>tcpIpApp.snmp.gmtOffset</code> parameter, then you must configure <code>tcpIpApp.snmp.gmtOffsetcityID</code> to ensure that the correct time zone location description displays on the Web Configuration Utility. The time zone location description is set automatically if you set the <code>tcpIpApp.snmp.gmtOffset</code> parameter manually using the Web Configuration Utility.</p> <p>For descriptions of all values, see the Polycom® UC Software 5.4.2AA for the Polycom® RealPresence Trio™ Solution guide on Polycom Support.</p>		
<code>up.LineViewCallStatus.enabled</code>	0 or 1	0
<p>Specifies the Active Call Screen or Line Screen as default user interface for a call.</p> <p>If 0, the Active Call Screen is set as default user interface for an active call. Any incoming or outgoing call triggers the Active Call Screen. If 1, the Line Screen is set as default user interface for an active call. For a call, the phone remains in Line Screen and the active call details show in the status ribbon bar. The user and administrator has access to this parameter.</p>		
<code>up.LineViewCallStatus.timeout</code>	2 to 10	10
<p>Specifies the timeout after which the phone goes back to the Line Screen when the user swipes to the Active Call Screen from the Line View. It can take values from 2 to 10 seconds. The default is 10 seconds.</p> <p>This parameter is applicable when the Line Screen is set as default user interface for any call. The parameter <code>up.LineViewCallStatus.enabled</code> set to 1 configures the Line Screen as default user interface for a call. The user and administrator has access to this parameter.</p>		
<code>up.OffHookLineView.enabled</code>	0 or 1	0
<p>Specifies the default user interface after the phone goes off hook.</p> <p>If 0, after the phone goes off hook, the phone displays the Home Screen. If 1, after the phone goes off hook, the phone displays the Line Screen.</p>		
<code>up.ringer.minimumVolume</code>	0 to 16	16
<p>This parameter controls the ringer's minimum volume.</p>		

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.4.

Resolved Issues in 5.4.4

Category	Issue ID	Found in Release	Description
Audio	VOIP-113374	5.4.1	No audio interruption or cut out is heard on the Plantronics headset for a local three-way conference when the fourth caller cancels the call made to the conference.
	VOIP-110498	5.3.0	
Audio	VOIP-112856	5.4.0	The VVX phones no longer loses exchange connectivity for a long period and syncs call logs.
Audio	VOIP-112293	5.4.0 5.3.0	The inbound call that is transferred, then conferenced, and then transferred again no longer causes any issue.
BToE	VOIP-115631	5.4.2	In a Skype for Business scenario, phones no longer intermittently loses IP when the BToE is paired and BToE auto-discovery is enabled.
BToE	VOIP-112951	5.4.0	The BToE icons are removed when the user navigates to HKEY_LOCAL_MACHINE > SOFTWARE > Wow6432Node > Polycom > Polycom BToE Connector and changes the value of NOTIFY_ICON_EN to 0.
Busy Lamp Field	VOIP-96872	5.4.0 5.3.1	VVX 1500 phone no longer crashes and generates core dump file after BLF configuration.
Calendar	VOIP-112921	5.3.1	Outlook calendar events are now improved and are in sync on the VVX phones.
Calling	VOIP-114787	5.4.2 5.4.1	When the SoundStructure VoIP Interface is in a call, sending a "set voip_send VoIP Out" command to the SoundStructure VoIP Interface no longer causes the call to disconnect. Pressing a digit on a Polycom Touch Control paired with the SoundStructure VoIP Interface during a call now works correctly.
Calling	VOIP-113594	5.4.2	PSTN user is able to join a conference call on O365.

Resolved Issues in 5.4.4

Category	Issue ID	Found in Release	Description
Configuration	VOIP-112433	5.4.0	<ul style="list-style-type: none"> VVX101 and VVX201 platforms correctly interprets values for the <code>voIpProt.server.x.specialInterop</code> parameter. VVX101 and VVX201 platforms correctly limits the values allowed for the <code>reg.x.server.y.specialInterop</code> parameter. UI support for the "GENBAND-A2" option has been added for <code>voIpProt.server.x.specialInterop</code> and <code>reg.x.server.y.specialInterop</code> parameters for all platforms. Previously, "GENBAND-A2" could only be selected via configuration files.
Content	VOIP-114633	5.4.2	The VVX phones displays Outlook Contacts with contact name and number when only PSTN is added as Skype Favorites
Expansion Module	VOIP-113489 VOIP-108227	5.4.0 5.3.1	In the VVX expansion module, the labels are now correctly split when Text Elide is set to Right or None.
Functionality	VOIP-116111	5.4.2	The VVX phones signs back into Office 365 Dedicated (O365D) after a maintenance causes the servers to become temporarily unavailable.
Functionality	VOIP-114286	4.0.9	If the phone auto-answers a click-to-dial call, the phone plays the correct ringtone and not the reboot ringtone.
Functionality	VOIP-113815	5.4.0	Blind transfer with SLA line and <code>exposeAutoHold</code> works as expected.
General	VOIP-115468	5.4.1	The VVX phones no longer updates core files after the configuration updates when Polycom® VVX® D60 Wireless Handset is connected to Metaswitch's provisioning system.
General	VOIP-115199	5.4.1 5.4.0	The Call Control management soft keys are displayed on the VVX phone when the user initiates the conference call on the VVX phone while URL dialing is disabled.
General	VOIP-114999	5.4.1	When the Simultaneously Ring to My Team Call Group feature is enabled, the phone will not ring for incoming calls when DND is enabled.
General	VOIP-113107	4.0.9	The phone will send "user=phone" in the invite message when a user enters a number that ends with "#" or "*".

Resolved Issues in 5.4.4

Category	Issue ID	Found in Release	Description
General	VOIP-112548	5.4.0	When saving a GENBAND's Global Address Book (GAB) to the phone's contact list, the contact's phone number is retained and no longer gets changed.
General	VOIP-112440	5.3.1	The BLF activity no longer causes call waiting tones to play when call waiting is disabled.
General	VOIP-111805	4.0.8 4.0.7	The 3CX call park feature with Transport Control Protocol (TCP) trunk no longer causes one-way audio and is now able to unpark the call.
General	VOIP-111464	5.4.0 5.2.4 5.1.3	The warning icon is not displayed on VVX phones after the administrator password is changed.
General	VOIP-110650	4.0.8	The VVX phones will not reboot if a contact is selected and dialed within two seconds of receiving the first results in a Corporate Directory search.
General	VOIP-110198	4.0.9	The integration of VVX1500 with Polycom® RealPresence® Resource Manager (RPRM) has been improved for the IP address, H323, E164, and Annex-O Phonebook storing and dialing.
General	VOIP-109991	5.3.1 5.3.0	The phone works fine and no longer causes audio drops when attended transfer is triggered with the Competella Attendent Console.
General	VOIP-108804	5.2.0	The DHCP stability issues on VVX 310 is fixed.
Hardware	VOIP-116379 VOIP-114660	5.4.1	The Plantronics Voyager Legend UC headset works fine with the VVX phones and no longer causes abrupt call drops.
Hardware	VOIP-109111	5.4.1	The Bluetooth headset compatibility for Motorola and LG headsets with VVX 601 is improved.
Interoperability: BroadSoft	VOIP-115418	5.4.2	No core dumps are caused and phone works as expected when the user presses the Transfer soft key and enters the extension.
Interoperability: GENBAND	VOIP-114680	5.4.3	In a GENBAND environment, the ring back tone on Blind transfer has improved.
Lync	VOIP-115587	5.4.2	Lync contacts are now updated successfully after the Central Management Server (CMS) failover when SBA is registered to the CMS Master pool, which has a secondary enterprise pool as its backup pool.
Lync	VOIP-114434	5.4.2	In a Lync Boss-Admin scenario, when an incoming call is answered on the boss's phone, an email notification regarding the admin's activity is received on the boss's phone.

Resolved Issues in 5.4.4

Category	Issue ID	Found in Release	Description
Lync	VOIP-114421	5.4.0	After paging, the user presence status reverts to "Available".
Lync	VOIP-113924	5.4.0	Transfer between internal VVX phones when using their NUANCE Dial by voice system works as expected.
Lync	VOIP-113918	5.4.2	Stability issues in certain Lync and SfB environments have been corrected.
Lync	VOIP-112042	5.4.1 5.4.0	The VVX Phones on O365 is now able to re-dial the pinned contact number that was dialed prior to it through Lync Client.
Lync	VOIP-109267	5.4.0	The VVX phones can now successfully sign into Lync using DHCP provided DNS Server, if DHCP Vendor Option 43 is configured.
MicroBrowser	VOIP-110528	5.3.1	JavaScript run on VVX microbrowser correctly displays the local time when phone is on the Lync profile.
Networking	VOIP-112507	5.4.1	The VVX phones with edge registrations through an AudioCodes gateway now negotiates Interactive Connectivity Establishment (ICE) correctly.
Networking	VOIP-111602	5.4.0	If the top of the route list's transport is User Datagram Protocol (UDP), the phone checks if the UDP is set by default or from the record route header. If the UDP is not from the record route header and got set by default, then the phone uses the same default transport mechanism for acknowledgment.
Security	VOIP-110787	4.0.8	Enable SSLv3 on the LDAP server and disable the same on the phone. This resolved the issues on the SPIP phones after phone reboot.
Security	VOIP-109754	5.4.0 5.2.4	Enabling or disabling the phone's web server will no longer effect the network DNS query to resolve the provisioning server's Fully Qualified Domain Name (FQDN).
Security	VOIP-109119	5.4.1 5.4.0	The value of the dir.corp.alt.password parameter is hidden in the configuration export.
User Interface	VOIP-115652	5.4.2	The VVX 601 phones now display the correct time for the Eastern (GMT-5) time zone and no longer displays a delay of more than four hours.
User Interface	VOIP-115589	5.4.2	The phone now populates all the appropriate soft keys when a call is received from an iOS Lync client.

Resolved Issues in 5.4.4

Category	Issue ID	Found in Release	Description
User Interface	VOIP-114142	5.4.0	Display of the caller ID has been optimized and the phone no longer displays "Unknown" when the number is available.
User Interface	VOIP-113917	5.4.0 5.3.1	When the VVX updates the presence status, the "away" state and status message are not altered.
User Interface	VOIP-113153	5.2.4	In the BroadSoft directory, user can perform a search by using the first name or the last name.
User Interface	VOIP-112417 VOIP-119828	4.0.8 4.0.5	The phone scrolls the TO and FROM headers in the caller ID for the BLF feature with Genband.
User Interface	VOIP-111986	4.0.7 4.0.8	The phone now uses the blind transfer behavior from the Enhanced Feature Key (EFK) soft keys and sends a \$Chold\$ message before the REFER message.
User Interface	VOIP-109986	5.4.1 5.4.0	The Character codes for special character É in the web UI now gets replaced with the unicode replacement character after save. Note: The VVX 3xx, VVX 2xx, and VVX 1xx phones, which have copy08 fonts does not have glyphs for the characters beyond 255. Because of this, HTML Entity codes (special characters), which have a number greater than 255, will show an empty character on these phones as there is no glyph for these special characters. Therefore, the phone will be responsive.
User Interface	VOIP-109759	5.4.0 5.3.1	The phone does not show the Application button or Soft key on the HOME screen. But after enabling the soft key through Enhanced Feature Keys (EFK), user can access and launch the browser by pressing the soft key configured for microbrowser.
User Interface	VOIP-109755	5.4.0 5.3.1	The line seize behavior for accessing voicemail and performing EFKs is improved.
User Interface	VOIP-109684	5.2.0	EFK configured for the shared Line 1 now works as expected and dials out from the Line 1.
Web Configuration Utility	VOIP-113297	5.4.2	The phone now updates properly from the Web Configuration Utility when updating from the Polycom hosted server.
Web Interface	VOIP-112493	5.4.2, 5.4.1	The phone web configuration utility now correctly displays the selected Time Zone field as selected by the user.

What's New in Polycom UC Software 5.4.3

Polycom® Unified Communications (UC) Software 5.4.3 is a release for Polycom for all Open SIP servers along with Microsoft® Lync 2010, Lync 2013, Skype™ for Business, and Skype™ for Business Online interoperability.

This release also includes software support for the Polycom® VVX® D60 Wireless Handset in its initial release.

Polycom UC Software 5.4.3 supports the following Polycom endpoints:

- VVX 101 business media phones
- VVX 201 business media phones
- VVX 300/310 business media phones
- VVX 301/311 business media phones
- VVX 400/410 business media phones
- VVX 401/411 business media phones
- VVX 500 business media phones
- VVX 501 business media phones
- VVX 600 business media phones
- VVX 601 business media phones
- SoundStructure® VoIP Interface
- VVX 1500 business media phones

Polycom UC Software 5.4.3 supports the following Polycom accessories:

- Polycom® VVX® Camera
- Polycom® VVX® Expansion Module
- Polycom® VVX® D60 Wireless Handset

These release notes provide important information on software updates, phone features, and known issues.

Introducing the Polycom VVX D60 Wireless Handset

With this release of UC Software 5.4.3, Polycom introduces the Polycom VVX D60 Wireless Handset and VVX D60 Base Station. The VVX D60 wireless handset enables users to manage calls to their lines at any time while they are away from their desk.

The VVX D60 wireless handset and base station are supported on VVX 300 series, 400 series, 500 series, and 600 series business media phones.

Administrators can enable this feature and customize aspects of the base station and wireless handset using the configuration parameters, the Web Configuration Utility, or on the paired VVX business media phone.

Administrators can use the following configuration parameters to configure the VVX D60 feature:

- `feature.dect.enabled`
- `feature.VVXD60.allowLineMappings`
- `VVXD60.Handset.X.outGoingLineIndex`

- `VVXD60.Handset.X.line.Y`
- `reg.x.terminationType`
- `log.level.change.dect`

VVX D60 Wireless Handset Limitations

The following are limitations of using the VVX D60 wireless handset with the supported VVX business media phones:

- Hoteling, Busy Lamp Field (BLF), Enhanced Feature Keys, and Automatic Call Distribution (ACD) are not supported on the wireless handset, but these features are still available for the paired VVX business media phone. If ACD, Hoteling, and BLF is configured on a VVX+Dect line or a Dect only line, that line becomes a VVX only line. That is, the line will no longer be registered on VVX D60 handset as these features are not supported on VVX D60.
- Pairing a base station with a VVX business media phone with a VVX expansion module connected is not supported. If a VVX expansion module is connected to a VVX phone with a paired base station, the wireless handset is automatically unpaired from the VVX phone.
- Only shared lines on the BroadSoft BroadWorks server are supported on the wireless handsets.
- BroadSoft shared lines (SCA/SLA) can be assigned to either the VVX host phone or the wireless handset. A shared line assigned to the VVX host phone and a registered wireless handset cannot be a supported as a twinned line on the wireless handset.
- Call Park is only supported on the BroadSoft BroadWorks server for the wireless handsets.
- The VVX D60 feature and accessories are not supported in Microsoft Lync 2010, Lync 2013, or Skype for Business 2015 environments.
- The wireless handset supports SIP registered lines only. H.323 protocol is not supported on the wireless handset.
- Flexible Line Key customization is not available on VVX business media phones with a paired wireless handset.
- Outgoing calls placed on the wireless handset are not shown in the Recent Calls list on the VVX business media phones, and users cannot redial a call placed on the wireless handset from the VVX phone.
- You can only rename a wireless handset when the Intercom feature is enabled.

Updating the VVX D60 Base Station and Wireless Handsets Software

The VVX D60 Wireless Handset and Base Station release introduces a change in the master configuration file (000000000000.cfg) that includes a new field — `DECT_FILE_PATH` — for the VVX D60 `dect.Id` application file path. When you update the VVX host phone with the latest supported software using the master configuration file that includes the file path to the `dect.Id`, the software on the base station and wireless handsets update automatically after they are paired and registered with the VVX business media phone.

Configuration File Enhancements

The following table lists configuration file enhancements that include new or changed parameters for this Polycom UC Software 5.4.3 release. For more information on using configuration parameters to enable or

disable features, see the *Administrator Guide for Polycom UC Software 5.4.x* available on the [Polycom Voice Support](#) site.

Configuration File Enhancements for UC Software 5.4.3

Parameter	Permitted Values	Default
<code>call.urlNumberModeToggling</code>	0 or 1	0
Determines the mode of the number dialed during a URL call. If set to 0, the default mode is set to URL mode when initiating a URL call. If set to 1, the default mode is set to number mode when initiating a URL call.		
<code>feature.VVXD60.allowLineMappings</code>	0 or 1	0
Allows users to choose which lines to map to the wireless handset. If 0, only the administrator can map lines to the handset using the Web Configuration Utility, configuration files or the administrators menu on the VVX phone. If 1, users and administrators can map lines to the handset and an extra user menu to do so will appear in the basic settings menu.		
<code>feature.dect.enabled</code>	0 or 1	0
Enables or disables communication and pairing with the VVX D60 Wireless Handset and Base Station accessories. When enabled, the VVX D60 menu options displays on the phone and in the Web Configuration Utility. When disabled, the VVX D60 menu options do not display.		
<code>log.level.change.dect</code>	0 - 6	4
Sets the logging detail level for the VVX D60 accessory.		
<code>reg.x.terminationType</code>	VVX, DECT, or VVX-DECT	
Determines the type of termination that is used for the line where the line can be managed automatically on the VVX, the wireless handset, or on both. X=each registration index.		
<code>VVXD60.Handset.x.outGoingLineIndex</code>	1- 34	1
Controls the registration index that is used as the default line for outgoing calls placed on the wireless handset without selecting a line first. X refers to the wireless handset where x can be 1-5.		
<code>VVXD60.Handset.x.line.y</code>	0 - 34	0
Sets the lines that will be accessible from the wireless handset where X is the wireless handset (1-5) and Y is the registered line on the VVX phone that will be mapped to the wireless handset. You can map up to five lines to a wireless handset.		
For example, you can configure the 4 lines on a VVX phone to the two registered wireless handsets.		
Existing VVX configuration:		
<ul style="list-style-type: none"> • <code>Reg.1.address="1000"</code> • <code>Reg.2.address="2000"</code> • <code>Reg.3.address="3000"</code> • <code>Reg.4.address="4000"</code> 		
To configure Handset 1 with the line 2000 and Handset 3 with lines 2000 and 4000, use the following configuration:		
<ul style="list-style-type: none"> • <code>VVXD60.Handset.1.line.1 = "2"</code> • <code>VVXD60.Handset.2.line.1 = "2"</code> • <code>VVXD60.Handset.2.line.2 = "4"</code> 		

Resolved Issues

This section lists the issues that were resolved in UC Software 5.4.3.

Resolved Issues in UC Software 5.4.3

Category	Issue ID	Found in Release	Description
API	VOIP-108310	5.4.0	The Web SDK Call Action API now works properly, and nCallReference is honored in XML API.
Audio	VOIP-108826	5.4.0	<p>Changed the default values for the following parameters to improve Comfort Noise:</p> <ul style="list-style-type: none"> <code>voice.cn.hf.enable="1"</code> <code>voice.cn.hf.attn="35"</code> <code>voice.vadRxGain="0"</code> <code>voice.vadTxGain="0"</code> <code>voice.cn.hs.enable="1"</code> <code>voice.cn.hs.attn="35"</code> <code>voice.vadThresh="25"</code> <code>voice.vadEnable="1"</code> <code>voice.CNControl="1"</code> <p>Refer to the Polycom UC Software Administrator Guide for more information on these parameters.</p>
Audio	VOIP-111245	5.4.1 4.0.4 5.3.0 4.0.8	Improved the voice quality reports for VQMon users.
BroadSoft	VOIP-105402	5.4.0	In a BroadSoft UC-One environment, the phone now places a call to speed dial contacts using DID numbers instead of URL dialing, which allows the phone to call speed dial contacts even if URL dialing is disabled.
Calling	VOIP-108947	5.3.0 5.2.2	Group Paging works as expected when a monitored Enhanced Call Park call is active.
Contact Directory	VOIP-108611	5.2.0	When the parameter <code>reg.x.server.y.specialInterop</code> is set to GENBAND, users can now enter multiple entries into the Contact Directory.
Contacts	VOIP-109264	5.4.0 5.4.0	The phone correctly displays caller identification information for incoming calls from contact's listed in the Contact Directory when there are more than 40 contacts saved to the directory.
GENBAND	VOIP-107930	5.4.1 5.4.0 5.2.0	Users can now watch buddies set in the GENBAND Personal Address Book when the parameter <code>feature.presence.enabled</code> is set to 1.

Resolved Issues in UC Software 5.4.3

Category	Issue ID	Found in Release	Description
GENBAND	VOIP-113013	5.4.1	A buddy's presence status is now updated on the Home screen when the parameter <code>voIpProt.SIP.presence.nortelShortMode</code> is set to True, and the parameter <code>dir.local.serverFeatureControl.method</code> is set to GENBANDSOPI.
General	VOIP-111356	5.4.1	The phone now responds with adding the proxy-authorization header with credentials in BYE messages when the phone receives a 407 from the BYE message.
General	VOIP-111761	5.4.1 5.3.0 4.0.8 4.0.4	Accurate overall MOS scores are now created when there are several SSRC changes, and the phone now triggers a VQMon report as soon as a SSRC change is reported by DSP.
General	VOIP-113015	5.4.1	The phone now sends unsubscribe messages for the Event presence when the phone is unregistered or powered off, and when the phone is registered, it sends a subscribe message for Event presence.
Localization	VOIP-108185	5.4.0	Swedish characters now display properly in the BroadSoft Directory.
Lync	VOIP-108811	5.4.0 5.3.1	In a Skype for Business environment, the phone now successfully establishes a conference call when the originating user alias starts with a number.
Lync	VOIP-114084	5.4.2	Stability issues for phones in Skype for Business environments no longer occur.
Microsoft	VOIP-109240	5.3.0	The configuration parameter <code>feature.exchangeCalendar.enabled</code> only controls Exchange Calendar integration and not any other Exchange services.
Microsoft	VOIP-110265	5.4.0	Call logs now synchronize properly with the Microsoft Exchange server.
Network	VOIP-106843	5.3.0	VVX phones now register to the secondary server after a failover/failback when the second server details are added in the DNS server after the phone is registered.
Network	VOIP-108375	5.4.0 5.4.0	Reduced the LLDP power value for VVX 101 and 201 from 5000mW to 3500mW to support a wide variety of network switches.
Network	VOIP-110690	5.4.1	The phone now responds with adding the proxy-authorization header, with credentials, in BYE messages, if the phone receives a 407 from the BYE message.

Resolved Issues in UC Software 5.4.3

Category	Issue ID	Found in Release	Description
Network	VOIP-111493	5.4.0 4.0.9	The Voice Quality score, NLR, and MOSQ now match the RX RTP traffic.
Security	VOIP-109212	5.4.1 5.3.0	Addressed security issues regarding RC4 encryption ciphers.
Security	VOIP-109249	5.4.0	Resolved denial of service vulnerabilities in OpenSSL for the following: CVE-2015-1788, CVE-2015-1789, CVE-2015-1790, CVE-2015-1791, CVE-2015-1792, CVE-2015-4000
Software Update	VOIP-113296	5.4.2	The phone now updates properly from the Web Configuration Utility when updating from the Polycom hosted server.
User Interface	VOIP-107262	5.4.0	The star (*) and pound (#) symbols now display in the search field in the BroadSoft Directory.
User Interface	VOIP-108427	5.3.0	One call appearance correctly displays on each call appearance for a shared line with Sipsecs and multiple line keys configured.
User Interface	VOIP-108570	5.4.0 5.3.1	The Umlaut correctly displays in the Recent Calls list when the base profile of the phone is set to Lync and the Exchange server is configured on VVX 500 and 600 phones.
User Interface	VOIP-108664	5.2.2	The Directories soft key now displays on the Lines screen.
User Interface	VOIP-108943	5.4.0	The VVX 600 phone now displays the Park soft key when the phone has a single registered line with one call per line configured.
Video	VOIP-107706	5.4.0	Improved the quality of video during H.323 conference calls for VVX 1500 phones.
Web Configuration Utility	VOIP-108489	5.2.2	Contacts now display in the Web Configuration Utility in the same order they display on the phone.
Web Configuration Utility	VOIP-113961	5.4.2	Invalid export configuration options for TR-069 no longer display in the Web Configuration Utility.

Get Help

For more information about installing, configuring, and administering Polycom products, refer to Documents and Downloads at [Polycom Support](#).

To find all Polycom partner solutions, see [Polycom Global Strategic Partner Solutions](#).

The Polycom Community

The [Polycom Community](#) gives you access to the latest developer and support information. Participate in discussion forums to share ideas and solve problems with your colleagues. To register with the Polycom Community, create a Polycom online account. When logged in, you can access Polycom support personnel and participate in developer and support forums to find the latest information on hardware, software, and partner solutions topics.

Copyright and Trademark Information

Copyright© 2017, Polycom, Inc. All rights reserved. No part of this document may be reproduced, translated into another language or format, or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Polycom, Inc.

6001 America Center Drive
San Jose, CA 95002
USA

Trademarks Polycom®, the Polycom logo and the names and marks associated with Polycom products are trademarks and/or service marks of Polycom, Inc. and are registered and/or common law marks in the United States and various other countries.



All other trademarks are property of their respective owners. No portion hereof may be reproduced or transmitted in any form or by any means, for any purpose other than the recipient's personal use, without the express written permission of Polycom.

Disclaimer While Polycom uses reasonable efforts to include accurate and up-to-date information in this document, Polycom makes no warranties or representations as to its accuracy. Polycom assumes no liability or responsibility for any typographical or other errors or omissions in the content of this document.

Limitation of Liability Polycom and/or its respective suppliers make no representations about the suitability of the information contained in this document for any purpose. Information is provided "as is" without warranty of any kind and is subject to change without notice. The entire risk arising out of its use remains with the recipient. In no event shall Polycom and/or its respective suppliers be liable for any direct, consequential, incidental, special, punitive or other damages whatsoever (including without limitation, damages for loss of business profits, business interruption, or loss of business information), even if Polycom has been advised of the possibility of such damages.

End User License Agreement BY USING THIS PRODUCT, YOU ARE AGREEING TO THE TERMS OF THE END USER LICENSE AGREEMENT (EULA) AT: <http://documents.polycom.com/indexes/licenses>. IF YOU DO NOT AGREE TO THE TERMS OF THE EULA, DO NOT USE THE PRODUCT, AND YOU MAY RETURN IT IN THE ORIGINAL PACKAGING TO THE SELLER FROM WHOM YOU PURCHASED THE PRODUCT.

Patent Information The accompanying product may be protected by one or more U.S. and foreign patents and/or pending patent applications held by Polycom, Inc.

Open Source Software Used in this Product This product may contain open source software. You may receive the open source software from Polycom up to three (3) years after the distribution date of the applicable product or software at a charge not greater than the cost to Polycom of shipping or distributing the software to you. To receive software information, as well as the open source software code used in this product, contact Polycom by email at OpenSourceVideo@polycom.com.

Customer Feedback We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to DocumentationFeedback@polycom.com.

Polycom Support Visit the [Polycom Support Center](#) for End User License Agreements, software downloads, product documents, product licenses, troubleshooting tips, service requests, and more.