Poly OBi Edition

Applies to Poly VVX 150, VVX 250, VVX 350, and VVX 450 Business IP Phones, OBi Edition

Contents

What's New in This Release

These release notes provide information on software updates, phone features, and known issues for Poly VVX 150, VVX 250, VVX 350, and VVX 450 business IP phones, OBi Edition.

This release includes the following features:

- AES 256-bit Encryption Support for SRTP
- SIPS+D2T and SIP-D2S Support for NAPTR Records
- Enabling and Disabling the Handset
- Enabling and Disabling the Speaker Button and Headset Button
- Showing Notification Icons for Disabled Handset, Speaker Button, and Headset Button
- Support for 4G LTE Network Access for VVX 350 and VVX 450

AES 256-bit Encryption Support for SRTP

This release includes the new `X_SRTPCryptos` parameter in the SP*n* Service web page from the phone, where *n* = 1-6. You can find this parameter on the **IP Phone > Phone Settings > Calling Features** page in the system web interface.

Configure the order of cryptos using the following format:

- `AES{kbits}CM-SHA1{abits}` where `{kbits}` = `192` or `256` and `{abits}` = `32` or `80`.

This release also includes support for `AES{kbits}GCM` where `{kbits}` = `256`.

SIPS+D2T and SIP-D2S Support for NAPTR Records

SIPS+D2T and SIP-D2S handling is supported in NAPTR records.

Enabling and Disabling the Handset

You can enable or disable the handset for your phones by specifying options in the new `HandsetEnable` parameter. You can find this parameter on the **IP Phone > Phone Settings > Calling Features** page in the system web interface.

Enabling and Disabling the Speaker Button and Headset Button

You can enable or disable the speaker button and headset button for your phones by specifying options in the new `SpeakerKeyEnable` and `HeadsetKeyEnable` parameters. Find these parameters on the **IP Phone > Phone Settings > Calling Features** page in the system web interface.

Showing Notification Icons for Disabled Handset, Speaker Button, and Headset Button

Notification icons are displayed by default when you disable the handset, speaker button, or headset button.

To hide the icons, set the following parameters:

- **Phone Settings — Calling Features**::`ShowHandsetDisabledIcon = false`
- **Phone Settings — Calling Features**::`ShowSpeakerDisabledIcon = false`
- **Phone Settings — Calling Features**::`ShowHeadsetDisabledIcon = false`

For more information on these new features, see the *Poly VVX Business IP Phones, OBi Edition Administrator Guide*, located at the [Poly Online Support Center](#).

Support for 4G LTE Network Access for VVX 350 and VVX 450

VVX 350 and VVX 450 business IP phones (OBi2 SKU only) enable voice over a 4G LTE network when you install the TITAN 4G LTE USB Dongle or the NetStick 4G LTE USB Dongle.

TITAN/NetStick Notification Icons

Three new notification icons provide status information when you connect a TITAN/NetStick 4G LTE USB dongle:

- **Connected and Active** : The USB dongle is connected and operational, and the phone is using it for all network traffic.

- **Connected and Inactive** : The USB dongle is connected and operational, but the phone isn't using it for network traffic.

- **Signal Strength** : Displays the 4G LTE signal strength (0 to 5 bars)

4G LTE Status In Network Settings

This release includes the new `ShowLteNotFoundInSettingsNetwork` parameter. Find this parameter on the **IP Phone > Phone Settings > Calling Features** page in the system web interface.

The default value of the parameter is false. If the value of the parameter is `True`, then the message *LTE Device NOT found* displays in **Network Settings** when the phone doesn't detect the USB dongle.

If the phone detects the USB dongle, then the following statistics display in **Network Settings**:

- **RSSI (dBm)**: Maps to the **Signal Strength** notification icon.

- **RSRP, RSSQ, SINR, TxPwr**: For information about these statistics, see the TITAN/NetStick documentation provided by Global Telecom Engineering.

- Software and firmware versions of the USB dongle.

TITAN/NetStick Disconnection Message

When the USB dongle is disconnected during normal operation, a dialog informs you that an LTE USB device is disconnected.

When you reconnect the USB dongle and it's operating normally, the message stops displaying.

Real-time 4G LTE Statistics During a Call

When you enable 4G LTE, you can view real-time RSSI (Mx/Mn/Av) statistics during a call.

To view these statistics, press **OK** when the **Call** item displays on the screen. If needed, press the up/down key to highlight the call item.

You can view the following RSSI (Mx/Mn/Av) statistics:

- Current RSSI (dBM)
- Maximum, minimum, and average RSSI recorded so far during the call

For example: RSSI (Mx/Mn/Av): -78 (-75/-82/-79)

4G LTE Statistics Stored In Call History

The following statistics are available in **Call History** when you use 4G LTE for the call:

- **LTE RSSI MAX**, **LTE RSSI MIN**, **LTE RSSI AVG**: Stores the corresponding RSSI values recorded at the end of a call.

- **LTE Down At**: If present, shows the time offset (in seconds) from the beginning of the call when the last `LTE Down` event occurred during the call. If the event happens more than once during the call, then the phone logs only the last event.

4G LTE Statistics Reported In SIP Messages

In `SIP BYE` or in responses to `SIP BYE` messages, the `X-RTP-Stat` header includes the following statistics when you end an established LTE call:

- **RSSI-MAX**, **RSSI-MIN**, **RSSI-AVG**: The corresponding RSSI values (in dBm) recorded at the end of the call.

- **LTE-Down-Mark**: If present, shows the time offset (in seconds) from the beginning of the call to the last `LTE Down` event during the call.

Release History

This following table lists the release history of Poly VVX business IP phones, OBi Edition.

Release History

Release	API Release	Release Date	Features
6.4.2	6.4.2	March 2021	This release includes important field fixes and support for the following features: • AES 256-bit encryption support for SRTP • SIPS+D2T and SIP-D2S support for NAPTR records • Enabling and disabling the handset • Enabling and disabling the speaker button and headset button • Showing notification icons for disabled handset, speaker button, and headset button • Support for 4G LTE network access for VVX 350 and VVX 450

Release	API Release	Release Date	Features
6.4.1	6.4.1	December 2019	This release includes important field fixes and support for the following features: • Enhanced Opus support • Generic hot-desking without reboot • Local phone book import and export • Main menu customization enhancement • Custom notification icon enhancements • Enhanced caller ID logging in call history • Emergency call web hook • Page group enhancements • Clear local phone books and call histories • EM50 background picture customization • Progress alert messages customization • Internal string customization • QR code generation • Support for Cisco Discovery Protocol (CDP) • Hold notification tone
6.4.0	6.4.0	July 2019	This release includes important field fixes and support for the following features: • Support for SideCar/Expansion Module (EM50) on VVX 450 • Support for streaming live phone audio to NLP (Natural Language Processing) • Support for USB flash drive for transferring user-generated content
6.3.1	6.3.1	February 2019	This release includes important field fixes and support for the following features: • DNS NAPTR Support • Enable call quality report back to PDMS-SP • Language selection • Password masking for hoteling login • Removed prefix in **Number Field** for BroadSoft remote office feature • Search phone book contacts list • Wi-Fi address change reboot confirmation • Background firmware update • 3CX plug-and-play provisioning with uaCSTA support • Phone app shows all pages of line keys on screen • Web hooks for call events
6.3.0	6.3.0	November 2018	Initial release of OBi Edition on VVX business IP phones

Security Updates

Please refer to the [Poly Security Center](#) for information for information about known and resolved security vulnerabilities.

Resolved Issues

The following table lists the resolved issues for Poly VVX business IP phones, OBi Edition 6.4.2.

Resolved Issues

Category	Issue ID	Description
Calling	EN-199108	If you use SRTP for a call and the peer offers multiple cryptos, the phone may incorrectly indicate the selected crypto in the reply to the peer. Therefore, the call has no audio.
Calling	EN-199104	The phone sends an `a=recvonly` attribute in SDP when resuming a call that the peer placed on hold. The attribute may cause the resume operation to fail with some service providers.
Calling	EN-199097	If the `userinfo@` data is missing from the `SIP INVITE` message, a shared-line call may fail to resume with certain service provider deployments.
Calling	EN-187006	If you set the SRTP option to **Use SRTP When Possible** and the peer sends a `re-INVITE` with an offer SDP that is an audit, the call might have no audio.
Calling	EN-185365	If a user sets up a voice call using the OPUS codec, the DTMF event digit duration calculation is wrong, creating a timing issue.
Device Management	EN-189690	If the `ConfigURL` configuration parameter includes the syntax to query the status of an expansion module connection and the expansion module isn't powered on or connected, the phone enters into a reboot loop on startup.
User Interface	EN-183517	Some ringtones cause speaker distortion at a high volume.

Known Issues

There are no known issues in this release.

System Constraints and Limitations

This release includes the following constraints and limitations when using Poly VVX 350 and VVX 450 business IP phones, OBi Edition:

- When you use 4G LTE for network traffic, upgrading the software over 4G LTE is not supported in Poly UPDATER and is automatically disabled. To upgrade software using UPDATER, use Ethernet or Wi-Fi.

- When you use 4G LTE for network traffic, upgrading the software over 4G LTE is supported when using the background software update option with the *.fw* firmware format.

  ➢ You must convert the phone to use the *.fw* firmware format. For OBi or OBi2 SKUs, the phones ship from the factory with the *.fw* firmware preloaded.

  ➢ During the background software update, the *.fw* file downloads over 4G LTE while the phone is in normal operation. However, the *.fw* file download halts and postpones during a call.

Get Help

For more information about installing, configuring, and administering Poly/Polycom products or services, go to the Poly Online Support Center.

Related Poly and Partner Resources

See the following sites for information related to this product.

- The Poly Online Support Center is the entry point to online product, service, and solution support information including Video Tutorials, Documents & Software, Knowledge Base, Community Discussions, Poly University, and additional services.

- The Poly Document Library provides support documentation for active products, services, and solutions. The documentation displays in responsive HTML5 format so that you can easily access and view installation, configuration, or administration content from any online device.

- The Poly Community provides access to the latest developer and support information. Create an account to access Poly support personnel and participate in developer and support forums. You can find the latest information on hardware, software, and partner solutions topics, share ideas, and solve problems with your colleagues.

- The Poly Partner Network is a program where resellers, distributors, solutions providers, and unified communications providers deliver high-value business solutions that meet critical customer needs, making it easy for you to communicate face-to-face with the applications and devices you use every day.

- The Poly Services help your business succeed and get the most out of your investment through the benefits of collaboration.

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