



Polycom® CX5100 and CX5500 Unified Conference Stations for Skype™ for Business

Polycom announces the release of version 1.3.1 software for the Polycom® CX5100 and CX5500 Unified Conference Stations for Microsoft® Lync and Skype for Business. This document provides the latest information about the Polycom CX5100 and CX5500 systems.

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Overview

The Polycom CX5100 and CX5500 Unified Conference Stations enable you to use the collaboration capabilities of Microsoft Lync or Skype for Business voice, video, and content while automatically tracking the flow of conversation to support richer, more interactive communication. The following figure shows the CX5500 tabletop unit with LCD panel, the CX5100 tabletop unit, and the power data box for both systems.

Polycom CX5500 and CX5100 Unified Conference Stations for Microsoft Lync or Skype for Business



During a call, the integrated cameras capture the active speaker as well as the entire panoramic view of your conference room, and the integrated microphones capture the voices coming from any location around the table. For larger conference rooms, you can add optional satellite microphones.

What's New in Release 1.3.1

There are no new features in this release for software version 1.3.1. The following new fixes are available in the 1.3.1 release:

Panoramic View Overlay

The CX5100 and CX5500 unified conference stations now allow you to enable or disable the Panoramic View Overlay at the bottom of active speaker video for a 360-degree view on a Mac OS computer. By default, the Panoramic View Overlay feature is disabled. You can configure this feature on the CX5100 and CX5500 conference stations, using `device.local.panomergeDisable` parameter.

For more information on how to enable or disable this feature using configuration parameter, see [Configuration File Enhancements](#).

USB Vendor Special Class Interface

This release includes a new USB Vendor Special Class (VSC) interface to support the CX5100 and CX5500 system's firmware update from the Microsoft Windows Update server. You can configure the CX5100 and

CX5500 conference stations to use the special driver provided by the Microsoft Update server for better compatibility via `device.local.disableMSOSDesc` parameter.

When you configure the CX5100 or CX5500 conference station to use the special driver and the special driver is not available on the Microsoft Windows Update server, the VSC interface of the system may appear as follows in the Device Manager of the attached computer.

Polycom CX5500 VSC Interface

For more information on configuring this feature using configuration parameter, see [Configuration File Enhancements](#).

Software Upgrade using Windows Update Server

You can control the CX5100 and CX5500 unified conference stations to support the software upgrade using the Windows Update server feature via `device.local.enableUsbdfu` parameter.

For more information on how to enable or disable this feature using configuration parameter, see [Configuration File Enhancements](#).

Support for MSR Dock

You can now connect a CX5100 or CX5500 unified conference station to a MSR Dock and use the system as a USB camera.

Private Meeting Information on CX5500 System's Calendar

By default, the Skype for Business meeting is set to Private and the meeting information is not displayed on CX5500 system's calendar. However, you can control the display of meeting information on the CX5500 system's calendar using the following parameters:

- `exchange.meeting.private.showDescription`
- `exchange.meeting.private.showLocation`
- `exchange.meeting.private.showSubject`
- `exchange.meeting.private.showOrganizer`
- `exchange.meeting.private.showAttendees`
- `exchange.meeting.private.showMoreActions`
- `exchange.meeting.private.promptForPIN`

When a Skype for Business meeting is not set to Private, you can control the display of meeting information on the CX5500 system's calendar using the following parameters:

- `exchange.meeting.showDescription`
- `exchange.meeting.showLocation`
- `exchange.meeting.showSubject`
- `exchange.meeting.showOrganizer`

- `exchange.meeting.showAttendees`
- `exchange.meeting.showMoreActions`

For more information on how to control the display of the meeting information on CX5500 system's calendar using configuration parameters, see [Configuration File Enhancements](#).

Configuration File Enhancements

The following table lists configuration file enhancements for this release of version 1.3.1.

Configuration File Enhancements

Template	Parameter	Permitted Values
<code>device.cfg</code>	<code>device.local.panomergeDisable</code>	0 (default)- The panoramic view does not overlay in the active speaker video stream. 1 - The panoramic view overlays in the active speaker video stream.
<code>device.cfg</code>	<code>device.local.disableMSOSDesktop</code>	0 (default) - The VSC interface of CX5100 and CX5500 unified conference stations use the Windows built-in driver. 1 - The VSC interface of CX5100 and CX5500 unified conference stations use Polycom's special driver provided by the Microsoft Update server for better compatibility.
<code>device.cfg</code>	<code>device.local.enableUsbdfu</code>	1 (default) - Enable the support for Windows Update feature. 0 - Disable the support for Windows Update feature.
<code>applications.cfg</code>	<code>exchange.meeting.private.showDescription</code>	0 (default) - Meetings marked as private in Outlook do not display a meeting description on CX5500 system's calendar. 1 - Meetings marked as private in Outlook display a meeting description on CX5500 system's calendar.
<code>applications.cfg</code>	<code>exchange.meeting.private.showLocation</code>	0 (default) - Meetings marked as private in Outlook do not display the meeting location on the CX5500 system's calendar. 1 - Meetings marked as private in Outlook display the meeting location on the CX5500 system's calendar.
<code>applications.cfg</code>	<code>exchange.meeting.private.showSubject</code>	1 (default) - Meetings marked as private in Outlook display a subject line on the CX5500 system's calendar. 0 - Meetings marked as private in Outlook do not display a subject line on the CX5500 system's calendar.
<code>applications.cfg</code>	<code>exchange.meeting.private.showOrganizer</code>	1 (default) - Meetings marked as private in Outlook display the name of the meeting organizer on the CX5500 system's calendar. 0 - Meetings marked as private in Outlook display the name of the meeting organizer on the CX5500 system's calendar.

Configuration File Enhancements

Template	Parameter	Permitted Values
applications. cfg	exchange.meeting.private.showAttendees	0 (default) - Meetings marked as private in Outlook do not show the list of meeting attendees and invitees on the CX5500 system's calendar. 1 - Meetings marked as private in Outlook show the list of meeting attendees and invitees on the CX5500 system's calendar.
applications. cfg	exchange.meeting.private.showMoreActions	1 (default) - Meetings marked as private in Outlook display the 'More Actions' button, when applicable. 0 - Meetings marked as private in Outlook do not display the 'More Actions' button.
applications. cfg	exchange.meeting.private.promptForPIN	1 (default) - Enable the Skype for Business Conference ID prompt that allows users to join meetings marked as 'private'. 0 - Disable the Skype for Business Conference ID prompt that allows users to join meetings marked as 'private'.
applications. cfg	exchange.meeting.showDescription	1 (default) - Meetings marked as public in Outlook display a meeting description on CX5500 system's calendar. 0 - Meetings marked as public in Outlook do not display a meeting description on CX5500 system's calendar.
applications. cfg	exchange.meeting.showLocation	1 (default) - Meetings marked as public in Outlook display the meeting location on the CX5500 system's calendar. 0 - Meetings marked as public in Outlook do not display the meeting location on the CX5500 system's calendar.
applications. cfg	exchange.meeting.showSubject	1 (default) - Meetings marked as public in Outlook display a subject line on the CX5500 system's calendar. 0 - Meetings marked as public in Outlook do not display a subject line on the CX5500 system's calendar.
applications. cfg	exchange.meeting.showOrganizer	1 (default) - Meetings marked as public in Outlook display the name of the meeting organizer on the CX5500 system's calendar. 0 - Meetings marked as public in Outlook display the name of the meeting organizer on the CX5500 system's calendar.
applications. cfg	exchange.meeting.showAttendees	1 (default) - Meetings marked as public in Outlook show the list of meeting attendees and invitees on the CX5500 system's calendar. 0 - Meetings marked as public in Outlook do not show the list of meeting attendees and invitees on the CX5500 system's calendar.
applications. cfg	exchange.meeting.showMoreActions	1 (default) - Meetings marked as public in Outlook display the 'More Actions' button, when applicable. 0 - Meetings marked as public in Outlook do not display the 'More Actions' button.

Release History

This following table lists the release history of the Polycom CX5100 and CX5500 Unified Conference Stations.

Software Version	Release Date	Description
1.3.1	August 2017	This release includes important field fixes and resolutions for some known issues.
1.3.0	March 2017	Added the following features: <ul style="list-style-type: none"> • User Interface update • Mac OS 10.12 support • Optimized Dial Pad Layout • RealPresence Resource Manager Integration • Export configuration file to USB flash drive • Capture Wireshark trace using flag file to USB flash drive • Capture Wireshark trace to USB flash drive using Telnet command
1.2.3	July 2016	Resolutions for some known issues.
1.2.0	April 2016	Added the following features: <ul style="list-style-type: none"> • Mac OS support • Windows 10 support • Health Monitor • Central Provisioning Management • Remote Log Collector • Dial Pad screen • Polycom TLS version 1.0 Certificate Support • Microsoft Office 365 and Skype for Business Online
1.1.6	January 2016	Resolutions for some known issues.
1.1.5	October 2015	Added new part numbers for the CX5500 touchscreen and codec. Added the hardware and software compatibility check. Resolutions for some known issues.
1.1.4	August 2015	Added the Downgrade Software and Fisheye Correction features. Resolutions for some known issues.
1.1.3	April 2015	Solutions for OpenSSL vulnerabilities. CX5500: Localization for the Incoming Lync Call Notification feature.
1.1.2.1	January 2015	Resolutions for some known issues.
1.1.2	October 2014	CX5500: <ul style="list-style-type: none"> • Incoming Lync call notification and answer. • BroadSoft and Open SIP certification.
1.1.1	September 2014	Solutions for OpenSSL vulnerabilities.

Software Version	Release Date	Description
1.1.0	May 2014	CX5100: Resolutions for some known issues. CX5500: Initial release.
1.0.0	December 2013	CX5100: Initial release.

Hardware and Software Requirements

System performance can vary based on the connected computer, your network connection, and your Lync client version. The computer connected to the system should meet the minimum hardware and software requirements shown in the following table.

Minimum Requirements for the Connected Computer System

Category	Requirement
Windows	<ul style="list-style-type: none"> Windows 10 (32-bit or 64-bit) Windows 8.1 (32-bit or 64-bit) Windows 8 (32-bit or 64-bit) Windows 7 (32-bit or 64-bit)
Mac OS	<ul style="list-style-type: none"> OS X 10.12 OS X 10.11 OS X 10.10 OS X 10.9
Desktop Client	<ul style="list-style-type: none"> Microsoft Skype for Business 2016 Microsoft Skype for Business for Mac, version 16.x.x Microsoft Skype for Business 2015 Microsoft Lync 2013 (required for 1080p video) Microsoft Lync 2010 Microsoft Lync for Mac 14.3.3 (160216), with native Safari web access
Processor	<p>Basic Video Transmit</p> <ul style="list-style-type: none"> 2.0 GHz or higher <p>HD Transmit (720p active speaker video)</p> <ul style="list-style-type: none"> Quad core, 2.0 GHz or higher <p>For Skype for Business 2013 client requirements, see Microsoft Lync Client Software Support in Lync Server 2013.</p> <p>For Lync 2010 client requirements, see Microsoft Client and Device Software and Infrastructure Support.</p>
RAM	2 GB
Hard drive space	1.5 GB
Video card	128 MB RAM with support for full hardware acceleration
Monitor	1024 x 768

Minimum Requirements for the Connected Computer System (continued)

Category	Requirement
USB connector	<p>USB 3.0 is required for 1080p calling. Connecting the system to a USB 2.0 or USB 1.0 port can result in reduced performance.</p> <p>If you see a message that your computer could run faster when you connect the CX5500 system, the system is connected by USB 2.0.</p>
USB driver	<p>Check that your computer has the latest USB driver available for your computer.</p> <ul style="list-style-type: none"> Windows 8 or later: Use Windows Update to ensure that you have the latest driver. Windows 7: Check the web site of your computer's manufacturer to ensure that you have the latest driver.

Security Updates

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

Products Tested with this Release

The Polycom CX5100 and CX5500 Unified Conference Stations are tested with a wide range of products. The following list is not a complete inventory of compatible equipment. It indicates the products that have been tested for compatibility with this release.



Note: Polycom recommends that you upgrade your Polycom devices with the latest software versions, as compatibility issues may already have been addressed by software updates. Refer to the [Current Polycom Interoperability Matrix](#) to match Polycom devices with the latest software release.

Products Tested with This Release

Product	Tested Versions
Microsoft Lync Server 2010	4.0.7577.230 (CU12)
Microsoft Lync for Mac 2011	14.3.3 (160216)
Microsoft Lync Server 2013	5.0.83.08 (CU5)
Microsoft Skype for Business Server 2015	6.0.9319.72
Broadsoft R21 (VoIP)	SP1
Polycom® CX8000	15.15.03
RealPresence Resource Management server	10.1

Products Tested with This Release (continued)

Product	Tested Versions
USB extender	UNITEK USB3.0 Y-3005 / Icron USB 2.0 Ranger 2304
Microsoft Surface Hub	Windows 10 Team build 1607 Windows 10 Team build 1703

Set Up the System

Place the device in the center of the conference room table, and connect the cables according to the configuration shown in the setup sheet shipped in the box with the system. You can also find the setup sheet at [Polycom Voice Support](#).

To start up the system:

- 1 Connect the power cable to a power outlet.
Green indicator lights flash during the startup process. When the green indicator lights stop flashing, the system is ready to use.
- 2 Power on the computer and connect the USB cable from the CX5100 or CX5500 system to your computer after the computer has started.
Microsoft Lync or Skype for Business automatically detects the system and selects it as the video and audio device for conferences.

You do not need to power the system on and off.

Configure the CX5100 or CX5500 System

For instructions on configuring the conference phone capability of the CX5100 or CX5500 system, refer to the *Polycom CX5100 Unified Conference Station Administrator Guide* or *Polycom CX5500 Unified Conference Station Administrator Guide*, available at [Polycom Voice Support](#). The administrator guides discuss how to configure the systems using a provisioning server, the Web Configuration Utility, or CX5100-CX5500 Control Panel.

Update the Software

Update your system to the most current software in order to ensure optimum performance. Check [Polycom Support](#) for software updates. When an update is available, you can update the software using a USB flash drive or the Web Configuration Utility.

The update takes up to 40 minutes to complete. During this time, the system reboots several times. Do not power the system off during an update. Wait at least 40 minutes to make sure the update has completed.

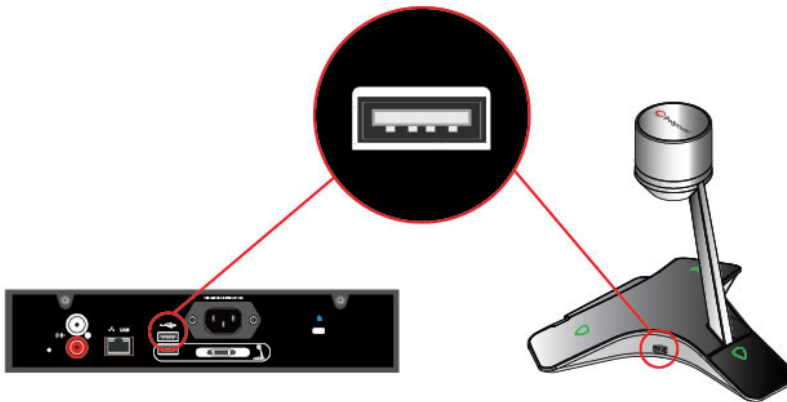


Note: When CX5100 and CX5500 unified conference stations are running on a version lower than software version 1.3.0, system restore to software version 1.3.0 factory settings through a USB is not supported.

To update the software manually by downloading the software to a flash drive:

- 1 Format a USB flash drive as FAT32. Polycom recommends that you use a USB 2.0 flash drive.
If you are using a drive that is already formatted, ensure that previous software updates are deleted from the flash drive.
- 2 From the Polycom Support site, download the software package to the flash drive. The software package has a .tar extension.
- 3 Connect the USB flash drive to the USB 2.0 port on the tabletop unit or on the power data box. If you choose to connect to the power data box, first remove the rubber plug from the USB port.

The locations of the ports are shown in the following diagram.



- 4 On the CX5500 system, respond to the software update request displayed on the LCD touch screen.
The system detects the flash drive and starts the update within 30 seconds. The indicator lights begin to flash, indicating that the update has started.
The system reboots several times during the update. The indicator lights flash in several different patterns.
The update is complete when the indicator lights stop flashing.



Note: If the base profile of the CX5500 system is set to **Lync**, you must enable access to the Web Configuration Utility. Refer to the *Polycom UC Software in a Microsoft Lync Server Environment Deployment Guide* for directions.

To update the software on the system through the Polycom Web Configuration Utility:

- 1 In the address field of a web browser, enter the IP address of the CX5100 or CX5500 system. You can find the IP address of the system by navigating to **Settings > Status > Platform > Phone**.
- 2 Log in as an administrator by selecting **Admin** and entering your password. The default password is 456. Check with your administrator to see if the password has been changed.
- 3 Select **Utilities > Software Update** and choose how to update your system.
 - Automatic: Select the date and time to perform the automatic updates and click **Save**.
 - Manual: Specify whether the update package is located on the Polycom Hosted Server or on a location you specify, and click **Update Now**. Follow the prompts to complete the update.

4 When an update starts, the indicator lights begin to flash.

The system reboots several times during the update. The indicator lights flash in several different patterns.

The update is complete when the indicator lights stop flashing.

Resolved Issues

The following table lists the issues that have been resolved in version 1.3.1.

Category	Issue ID	Release	Description
Content	MIL-2015	1.3.0	When content sharing is stopped in a conference call, the microphone status of Skype for Business clients, using a Mac computer, becomes unmuted.
USB	MIL-1946	1.2.3	On rare occasions, the CX5100 or CX5500 system locks when upgrading software using USB devices and the software upgrade is unable to complete.
USB	MIL-2027	1.3.0	When the CX5100 and CX5500 systems are connected to a Windows desktop using a USB express card, the Windows operating system is unable to recognize the CX5100 and CX5500 systems as an audio/video device.
Hardware	MIL-1996	1.3.0	When using the CX5100 and CX5500 systems in a peer-to-peer Skype for Business call on a Mac computer, the mute button on the CX5100 and CX5500 systems fail to respond.
IP Phone	MIL-1999	1.3.0	When you sign in to the Skype for Business account on a CX5500 system and the provisioning server is not reachable when enabled, the CX5500 system's touch panel responds slowly followed by a system restart.
User Interface	MIL-1992	1.3.0	The CX5500 system fails to display the contact added from Skype for Business directory to the contact list.
Calendar	MIL-2071	1.3.0	When a Skype for Business meeting is set to Private, the CX5500 system's calendar displays meeting information.

Known Issues

The following table lists all known issues and suggested workarounds for release 1.3.1.



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 and 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.

Category	Issue ID	Release	Description	Workaround
Audio	MIL-1960, VIDESC-162 76	1.1.6	In a Skype meeting, the CX5100 and CX5500 unified conference stations are not recognized as an audio/video device when connected to a personal computer.	Restart the CX5100 and CX5500 systems.
Audio	MIL-1987	1.3.0	Downloading logs during the call on CX5500 system results in a lot of noise on the audio output.	Download logs after the call.
Audio	MIL-1994	1.3.0	When placing a Skype for Business call from a Mac computer, the speaker using CX5100 and CX5500 systems receives no audio.	Restart the Mac computer.
Configuration	MIL-1634	1.2.0	When you attempt to access system log files using the Web Configuration Utility or view log files uploaded to the provisioning server, the debug.xml file does not contain the latest information for the system.	Connect a USB flash drive to the system to retrieve logs. The debug.xml file is updated on the provisioning server and in the Web Configuration Utility.
Control Panel	MIL-1873	1.2.0	Some time zone options display incorrectly in the CX5100-CX5500 Control Panel.	
Security	MIL-2060	1.3.1	The CX5100 and CX5500 unified conference stations negotiate with TLS 1.0 and do not provide an option to disable the TLS 1.0.	
USB	MIL-1879	1.2.0	If there is at least 10 GB of data on a connected USB flash drive, the system is unresponsive during some tasks like locking or unlocking the system, retrieving logs, or upgrading the system software.	Make sure that the USB flash drive has limited data on it.
USB	MIL-2075	1.3.1	When the CX5100 unified conference station is connected to a computer using USB ICRON 2211 extender, the CX5100 system loses audio and the video output is of low resolution.	Use ICRON 2304 extender.
User Interface	MIL-1640	1.2.0	When you connect a CX5500 system to a Mac computer, the device name displays as CX5100.	

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.

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