



RELEASE NOTES

5.1.0 | February 2016 | 3725-61083-001A

Polycom® RealPresence Centro™



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Introducing Polycom RealPresence Centro

Polycom is proud to introduce the Polycom® RealPresence Centro™ collaboration solution in its first release for Open-SIP, Microsoft® Lync® 2013, and Microsoft® Skype™ for Business 2015 environments.

RealPresence Centro Hardware Features

RealPresence Centro is a center-of-the-room video collaboration solution that includes the following features, as shown in the following figure:

- Four touch screen monitors for controlling the system and annotating shared content.
- USB ports on the base of the system that enable users to share content from a USB drive or to charge devices while in a meeting.
- Five high definition integrated cameras that produce a seamless 360-degree panoramic view that captures video for all in-room participants.
- Integrated microphones that send clear audio and active speaker detection to the far end.
- Integrated speakers that provide clear audio output for in-room participants.
- Up to full 1080p performance for sending and receiving people and content streams



RealPresence Centro Status and Indicators

The RealPresence Centro system includes LED indicators at the bottom of the solution to let you know whether the solution is in standby mode, active, or in a call. The following table lists the LED indicators that display on the solution and the status associated with each indicator.

RealPresence Centro Status and Indicators

LED Indicator	Status
No LED	Off
Amber	Sleep
Blue	On Not in a call
Green	In an audio or a video call
Red	Microphones muted
Blinking blue and amber	Solution starting Software update

RealPresence Centro Status and Camera Position

By default, the 360-degree camera is motorized and configured to be up when the solution is in use or in a call. The camera is down when the solution is off, in sleep mode, or not in a call.

Administrators can configure the camera's behavior along with where the panoramic filmstrip displays and the duration the camera remains up after a call has ended. For information on configuring the camera settings, see the *Polycom RealPresence Centro Beta Administrator Guide* on the beta site.

The following table includes the default camera position when the Camera Head Position setting is set to Automatic. When the camera's position is set to Up, the camera is always Up unless the solution is off or restarting. When the camera's position is set to Up (Sleep Mode), the camera is always Up unless the solution is in sleep mode, off, or restarting.

RealPresence Centro Status and Camera Position

Solution State	Call State	Additional Controls	Camera Position
Off			Down
On	In a call	Camera On	Up
On	In a call	Hide Self View	Up
On	In a call	Camera Off	Up
On	Audio call		Up
On	Not in a call	Show Self View	Up
On	Not in a call	Hide Self View	Down

New Features

The following are the features included in this initial release of the RealPresence Centro system.

Touch-Enabled User Interface

The RealPresence Centro system has a fully-functional touch user interface that enables users to control the solution from the touch monitors. All users can control the solution from any of the touch monitors. However, when content is showing using VisualBoard or another application, the touch is redirected to one monitor for control and annotation. When these tools are minimized to show the main user interface, or when a notification displays, touch is directed to all monitors so that any user can control the system.

Active Speaker Detection

During a call, the integrated cameras capture the panoramic view of the conference room while the integrated microphones capture the voices of each participant. The solution also automatically shows the person who is speaking during a call, along with a 360-degree view of the other participants in the room.

VisualBoard

The VisualBoard application is integrated into the RealPresence Centro system, and users can use the touchscreen monitors on the solution to access and annotate content using the application. Users can annotate content using their finger, a stylus, or a USB mouse.

SmartPairing Control and Content Sharing

Using the SmartPairing feature in Polycom® RealPresence® Desktop and Polycom RealPresence® Mobile applications, users can control the RealPresence Centro system or share content from a laptop or tablet, if SmartPairing support is enabled on the RealPresence Centro system and in RealPresence Desktop or Mobile application.

When SmartPairing is enabled, users can use RealPresence Desktop or Mobile application to place calls, adjust the call volume, end a call, and share and annotate content.

Language Support

The RealPresence Centro system web and local user interfaces provide support for the following languages:

- Arabic
- Chinese (Simplified)
- Chinese (Traditional)
- English (UK)
- English (US)
- French
- German
- Hungarian

- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese (Brazilian)
- Russian
- Spanish

Release History

The following table shows the release history of the RealPresence Centro system.

Polycom RealPresence Centro Release History

Release	Release Date	Features
5.1.0	February 2016	Initial release of the RealPresence Centro system, which included support for the following features: <ul style="list-style-type: none"> • Touch User Interface Control • Active Speaker Detection • VisualBoard application • SmartPairing Control and Content Sharing • Polycom Concierge solution

Products Tested in this Release

The following table lists products that were tested with the RealPresence Centro system. The following list is not a complete inventory of compatible equipment. It simply indicates the products that have been tested for compatibility with this release.

Polycom strives to support any system that is standards-compliant and investigates reports of Polycom systems that are not interoperable with other vendor systems.



Polycom recommends that you upgrade all of your Polycom systems with the latest software versions. Any compatibility issues may already have been addressed by software updates. Go to [PolycomService/support/us/support/service_policies.html](https://polycomservice.com/support/us/support/service_policies.html) to see the Current Polycom Interoperability Matrix.

Tested Polycom Products

Product	Version
Polycom Distributed Media Application™ (DMA®)	6.3.1
Polycom® Multipoint Layout Application	3.1.5.4

Tested Polycom Products

Product	Version
Polycom® People + Content IP™	1.3.1
Polycom® RealPresence® Collaboration Server (RMX®)	8.6.3
Polycom RealPresence® Resource Manager	9.0
Polycom RealPresence® Mobile	3.4
Polycom® ATX™	3.1.4
Polycom® Concierge	1.0.0
Polycom® HDX® Series	3.1.9
Polycom® OTX®	3.1.4
Polycom® OTX® Studio	5.1.0
Polycom® RealPresence Touch™	1.0.x
Polycom® RealPresence® Desktop	3.4
Polycom® RealPresence® Group Series	5.1.0
Polycom® RealPresence® Immersive Studio	5.1.0
Polycom® RPX™ 400	3.1.4
Polycom® SoundStructure®	1.7.2
Polycom® RealPresence® Access Director™	4.2.2

Supported Web Browsers

The RealPresence Centro system administrator web interface is supported in the following web browsers:

- Windows® Internet Explorer 9 or 10 on Windows 7
- Apple® Safari® 6.0.4 on Mac OS® X (Lion)
- Mozilla Firefox 22 on Windows 7.

Integrating with the Polycom RealPresence Touch

To integrate a Polycom RealPresence Touch with a RealPresence Centro system, the touch panel and system must have compatible software versions.

After pairing with the RealPresence Centro system, the RealPresence Touch verifies the compatibility of the RealPresence Touch panel software and requests a software update. Polycom recommends that you update the software on RealPresence Touch to match the RealPresence Centro system software.

You can update The RealPresence Touch operating system software through the administration pages on the RealPresence Touch or through the RealPresence Touch web interface.

Security Updates

The following table lists security updates in this release.

Security Updates in Release 5.1.0

Issue No.	Description
GS-26323	Updated OpenSSH to 7.1 to address CVE-2015-5600, CVE-2015-6563, and CVE-2015-6564.

Known Issues

The following table lists the known issues and any suggested workarounds for the 5.1.0 software release for the RealPresence Centro system..

Known Issues in Release 5.1.0

Category	Issue No.	Description	Workaround
Audio	GS-28310	The correct microphone labels do not display for the corresponding audio meters.	
Content	GS-26662	During a conference with Polycom RealPresence Centro and RealPresence Mobile, content sent from People + Content IP freezes when content is sent from RealPresence Mobile.	Click the Play icon in the People + Content application.
Directory	GS-27414	When searching for a contact in the Global Directory, contacts with special characters in their names do not display in the search results.	
Hardware	GS-27622	When the RealPresence Centro system reboots, there is a 15-20 second delay between when the Home screen displays on the monitors and when the camera is on.	
RealPresence Touch	GS-26788	The Place a Call screen on the RealPresence Touch displays the Keypad sub menu, even when a different sub menu is selected from the Select Preferred Sub Menu drop-down list in the RealPresence Centro system web interface.	From the RealPresence Touch Home screen, tap the Place a Call icon, then choose a sub menu.
Security	GS-27301	When using the onscreen keyboard to enter a password, the key presses display on all the monitors.	