

# Polycom® RealPresence Centro™

Polycom announces the release of version 6.2.0 software for Polycom RealPresence Centro systems. This document provides the latest feature information.

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## What's New

RealPresence Centro system software version 6.2.0 provides the functionality described in the following sections.

### ***Web Proxy Auto-Discovery Protocol***

The Web Proxy Auto-Discovery Protocol (WPAD) allows RealPresence Centro systems to route network traffic outside enterprise networks.

When your RealPresence Centro system uses Web Proxy, inbound HTTP and HTTPS traffic (ports 80 and 443) is directed to the configured proxy or proxies. The Proxy auto-config (PAC) file is a configuration file executed by the system to determine the proxy for a specified URL.

Your system communicates with a proxy using the following mechanisms:

- Digest authentication (with either MD-5 or SHA-256 digest)

- NTLM authentication (only NTLMv2 is supported)
- No authentication (or null authentication, meaning the proxy server does not require credentials)

By default, the Basic authentication is disabled. You can enable Basic authentication in RealPresence Centro system web interface.

RealPresence Centro system supports the following services when configured with Web Proxy:

- Directory servers
- Provisioning service
- Calendaring service
- Recording service
- Software updates
- Upload Logs

## ***Large Conference Meetings***

You can provision RealPresence Centro systems to join large conference AVMCU and Skype for Business meetings. RealPresence Centro has the ability to join large conference meeting with up to 250 participants in a call. The participant counts above 250 is supported with minor limitations.

## ***Simple Certificate Enrollment Protocol (SCEP)***

SCEP is a protocol used to automatically request and renew the certificates in large deployments of endpoints/software clients which uses certificates for authentication.

## ***Managing System Software***

Polycom recommends that you upgrade your software to the latest available release. Downgrade feature is only available from 6.2.0 version of RealPresence Centro.

## **Security Updates**

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

## Version History

This following table lists the release history of RealPresence Centro systems.

Release	Release Date	Features
6.2.0	December 2018	Includes Web Proxy, Large Conference Meetings, Simple Certificate Enrollment Protocol, and Managing System Software along with escalation fixes for customer support.
6.1.7.2	October 2018	Includes escalation fixes for customer support.
6.1.7.1	October 2018	Includes escalation fixes for customer support.
6.1.7	June 2018	Includes escalation fixes for customer support.
6.1.6.1	May 2018	Includes escalation fixes for customer support.
6.1.5	February 2018	Includes escalation fixes for customer support.
6.1.4	November 2017	Includes escalation fixes for customer support.
6.1.3	September 2017	Includes escalation fixes for customer support, and support for EagleEye Producer version 1.2.1.5.
6.1.2.1	August 2017	Includes software enhancements for future hardware revision compatibility.
6.1.2	July 2017	Includes RealPresence Centro system remote control support for systems registered to Skype for Business Online, support for EagleEye Director II version 1.1, and support for the new RealPresence Touch hardware version 7.
6.1.1	April 2017	General maintenance release.
6.1.0	February 2017	This release included the following features: <ul style="list-style-type: none"> <li>• Skype for Business and Microsoft Office 365 features</li> <li>• RealPresence Touch Help Desk</li> </ul>
6.0.1	November 2016	Resolved some known issues.

Release	Release Date	Features
6.0.0	September 2016	This release included the following features: <ul style="list-style-type: none"><li>• Automatic Wake Up with Motion Sensors</li><li>• Audio-only Calls</li><li>• Office 365 Hybrid Deployment</li><li>• Generate DTMF Tones with RealPresence Touch</li><li>• Enhanced Quality of Experience</li><li>• Log Upload to Skype for Business Server</li><li>• Simplified and Persistent Video Layouts</li><li>• Polycom® RealPresence® Cloud service support</li></ul>
5.1.2	June 2016	Resolved some known issues.
5.1.1	April 2016	Resolved some known issues.
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"><li>• Touch User Interface Control</li><li>• Active Speaker Detection</li><li>• VisualBoard application</li><li>• SmartPairing Control and Content Sharing</li></ul>

## 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

## Resolved Issues

The following table lists the resolved issues for the version 6.2.0.

### Resolved Issues

Category	Issue Number	Description
API	EN-98589	The RealPresence Centro system camera would lower if a participant leaves the internally hosted MCU call
Video	EN-59021	The RealPresence Centro system occasionally displays a black video.

## Known Issues

The following table lists all known issues and suggested workarounds in version 6.2.0 for RealPresence Centro systems.

### Known Issues

Category	Issue Number	Description	Workaround
Content	EN-6308	During a conference call with a RealPresence Centro system and a RealPresence Mobile application, content sent from the Polycom People+Content IP application might not respond.	Press the <b>Play</b> button in the <b>Polycom People+Content IP</b> application.
Hardware	EN-10942	When the RealPresence Centro system powers off and powers back on, a 15-20 second delay occurs after the Home screen displays and before the camera turns on.	No workaround.
Peripherals	EN-14155	You cannot route the RealPresence Centro system microphones to SoundStructure to send audio from the system to the far-end. Only external microphones connected to SoundStructure can send audio to the far-end.	No workaround.
User Interface	EN-10979	After the RealPresence Centro system powers off and powers back on, the IP address might display as 0.0.0.0.	Navigate to another screen then return to the Home screen.

## Limitations

The following sections include limitations with the RealPresence Centro system.

### **Microsoft Office 365**

When migrating an Office 365 on-premises account to online, the system's local or web interface may indicate that it is registered when the process has not yet completed on the server end. If a system is not able to make a call after migration, wait a few minutes and try again. The migration process can take 30 minutes or more to complete.

Prior to registering an Office 365 account with a RealPresence Centro system that is set to auto configuration, you must make sure the server and proxy addresses have been cleared. If you have entered specific server addresses into the address fields Registrar server and Proxy server at **Admin Settings > Network > IP Network > SIP**, before you change the SIP Server Configuration setting from **Specify** to **Auto**, you must clear the address fields and then click Save. If the server fields are not cleared, SIP registration might fail.

### **Color and White Balance**

Under certain conditions, the 360 camera does not properly color and white balance due to one camera being saturated while another is not saturated (GS-32398). You can use some of the following workarounds to correct the issue:

- Block the window or source of light that is causing one camera to saturate.
- Rotate the system so that the source of saturation is across the stitch boundary.
- Add something colorful near the stitch boundary.

### **RealPresence Centro System Registered with Skype for Business**

This release includes the following limitations for RealPresence Centro systems that are registered with Skype for Business Online.

Not Supported	Workarounds/Notes
Web proxy services	Workaround: Use a transparent web proxy.
IP calls through SIP when registered with Microsoft Office 365	Note: The Skype for Business user interface dialer does not allow you to input alphabetic letters or an @ sign.
Client Auto Configuration	Note: Refer to the DNS flow chart in this <a href="#">Technet article</a> .
Use of web automatic discovery (without DNS SRV) does not direct RealPresence Centro systems to the appropriate Skype for Business registration service.	Workaround: Create DNS SRV records for Skype for Business On-premises and Online registration.

Not Supported	Workarounds/Notes
OrgID is not supported	Workaround: Enable your tenant for Modern Authentication in the Skype for Business Online settings. For information on enabling this setting, refer to this <a href="#">Technet article</a> .
Skype for Business Broadcast	No available workaround or support for this feature at this time.
Third Party SSO Authentication	No available workaround or support for this feature at this time.
Microsoft Surface Hub	No available workaround or support for this feature at this time.

For more information on registering RealPresence Centro with Skype for Business, refer to [Skype for Business Deployment Guide](#).

## Interoperability

Video conferencing systems use a variety of algorithms to compress audio and video. In a call between two systems, each end transmits audio and video using algorithms supported by the other end. In some cases, a system might transmit a different algorithm than it receives. This process occurs because each system independently selects the optimum algorithms for a particular call, and different products might make different selections. This process should not affect the quality of the call.

## Products Tested with this Release

The following table lists products that were tested with the RealPresence Centro systems. 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.



### Update your Polycom devices

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
Polycom® HDX® Series	3.1.12
Polycom® Immersive Telepresence (ITP) Series	3.1.4
Polycom® Multipoint Layout Application	3.1.6.3
Polycom® OTX® Studio	6.2.0
Polycom® People + Content IP™	1.4.2
Polycom® RealPresence Touch™	6.2.0 Panel Software 2.2.0 Operating System

**Products Tested with this Release**

<b>Product</b>	<b>Tested Versions</b>
Polycom® RealPresence® Access Director™	4.2.4
Polycom® RealPresence® Collaboration Server (RMX®)	8.7.4
Polycom® RealPresence® Collaboration Server 1500	8.5.12
Polycom® RealPresence® Debut™	1.3.1
Polycom® RealPresence® Desktop for Windows	3.8.0
Polycom® RealPresence® Distributed Media Application™ (DMA®)	6.4.x/9.0.1
Polycom® RealPresence® Group Series	6.2.0
Polycom® RealPresence® Immersive Studio	6.2.0
Polycom® RealPresence® Media Suite™	2.8.2
Polycom® RealPresence® Mobile	3.9.0
Polycom® RealPresence® Resource Manager	10.1.0
Polycom® SoundStructure®	1.7.5
Polycom VisualBoard application	4.1.3 software version and later

## ***Microsoft Interoperability***

RealPresence Centro systems support interoperability with the following Microsoft software versions.

### **Servers**

<b>Product Name</b>	<b>Version</b>
Microsoft Skype for Business Server 2015 (Feb. 2017)	6.0.9319.534
Microsoft Lync Server 2013	5.0.8308.1001
Microsoft Exchange Server 2013	15.00.1395.004 CU21
Microsoft Skype for Business Online	Versions updated regularly and hosted by Microsoft
Microsoft Exchange Server Online	Versions updated regularly and hosted by Microsoft



## Clients

Product Name	Version
Microsoft Skype for Business 2015	15.0.5075.1000
Microsoft Lync 2013	15.0.4701.1000
Windows client	16.0.9126.2282, 16.0.9126.2295
Mac client	16.20.90, 16.21.65, 16.21.87
Polycom® Trio™ (with video)	5.5.2
Skype Room System v1 (Polycom CX8000)	1.00.11
Polycom® RealConnect™ Solution	Supported
Skype Room System v2	Not supported

## Supported Web Browsers

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

- Windows® Internet Explorer 10 or 11 on Windows 8
- Apple® Safari® 9.0.3 on Mac OS® X (Yosemite)
- Mozilla Firefox 44 on Windows 8

## Support for Skype for Business Online

To enable Skype mode for a RealPresence Centro system, you must provision a Office 365 room account and register the system with the room account. You can use a RealPresence Touch device or a RealPresence Centro remote control to provision and register Skype for Business Online.

## Prerequisites

Before you can register Skype for Business Online, the following prerequisites must be met.

- Have a minimum Microsoft license for E1 with Skype Plan 2 for enabling RealPresence Centro video endpoints. For information about the various plans, refer to this [Technet article](#).
- To search the directory for contacts, you must have added contacts to your Skype for Business contact list.
- Register the RealPresence Centro system with a room account instead of a user account for the following reasons:
  - Automatic processing and acceptance of meeting invites
  - Display of Skype for Business meeting prompts
  - Lobby enforcement, which prevents participants from automatically being admitted to a meeting

For more information on registering RealPresence Centro with Skype for Business, refer [Skype for Business Deployment Guide](#).

## 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 [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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