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# Polycom<sup>®</sup> RealPresence<sup>®</sup> Group Series

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## Overview

Polycom announces a new release of Polycom® RealPresence® Group Series software. This document provides the latest information about the following Polycom software:

- Version 5.1.1 of the Polycom RealPresence Group system software
- Version 2.2 of the Polycom® EagleEye™ Director software
- Version 1.1.1 of the Polycom® EagleEye™ Producer software
- Version 5.1.1 of the Polycom® RealPresence Touch™ Panel software
- Version 1.2.0 of the Polycom RealPresence Touch Operating system software
- Version 5.1.1 of the Polycom® Touch Control™ Panel software
- Version 5.1.1 of the Polycom Touch Control Operating System software



**Note:** The RealPresence Touch Panel software is included in the RealPresence Group Series system software package. The RealPresence Touch Operating system software is available for download at [support.polycom.com](http://support.polycom.com).

## RealPresence Group Series Product Family

The RealPresence Group Series product family includes a codec, plus a remote control, cameras, microphone arrays, and other supported accessories.

### Codec Power Options

The RealPresence Group 300, RealPresence Group 310, and the RealPresence Group 500 systems have an external power transformer. The RealPresence Group 700 system has an internal power supply.

### Codec Mounting Options

The RealPresence Group 300, RealPresence Group 310, and the RealPresence Group 500 systems have options for rack shelf mounting, or a 'bunk bed' for co-mounting with the EagleEye cameras using their mounting options. The RealPresence Group 700 system can be rack mounted.

### Remote Control Devices

The RealPresence Group system remote control device is included with all RealPresence Group Series bundles and includes a USB rechargeable battery. Additional USB batteries are available. Remote control devices for earlier Polycom systems, such as Polycom® HDX® system remotes, are also supported.

### Digital and Analog Cameras

The supported EagleEye digital output cameras include the EagleEye Acoustic, EagleEye Producer, EagleEye IV-4x and the EagleEye IV-12x. An optional wide angle lens for the EagleEye IV camera increases the FOV to 85 degrees.

The RealPresence Group Series systems also support the EagleEye analog output cameras, which include the EagleEye View, EagleEye HD, EagleEye II, and EagleEye III cameras.

## Camera Mounts and Accessories

Accessories for the digital cameras include the EagleEye Digital Extender and the Digital Breakout Adapter. Additional digital cables for the EagleEye IV of 300mm, 457mm and 1m length are available. The Universal Mounting shelf was designed for use with the EagleEye IV cameras and support monitor, wall and tripod mounting.

The RealPresence Group Series systems also support the EagleEye Director and the EagleEye Producer camera accessories. The EagleEye Producer includes a 'bunk bed' mount for use with the universal camera mounting solution.

## Audio Accessories

The following audio accessories are supported on the RealPresence Group Series codecs: RealPresence Group Series microphone array, SoundStation IP 7000 integration, SoundStructure integration, the HDX microphone array, and the ceiling microphone arrays.

## More Interoperable Hardware and Accessory Options

Other accessories and hardware available for the RealPresence Group Series includes the Polycom® UC Board™, Polycom RealPresence Touch, Polycom Touch Control, and a carrying case. Replacement power supplies are available for RealPresence Group 300, 310, or 500 systems. In addition, a full line of RealPresence Group Media Centers are available with options from 27" to 84" displays and tabletop, stand, and wall mounting.

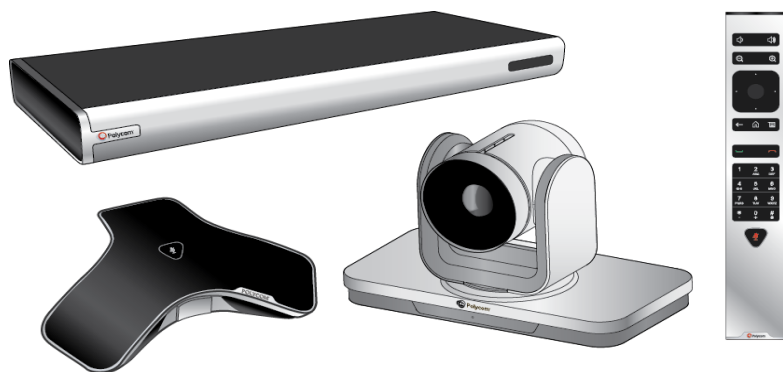
## RealPresence Group System Bundles

Depending upon which RealPresence Group system that you purchase, a bundle of accessories is shipped with the system.

### RealPresence Group 310 Systems

RealPresence Group 310 systems ship with a Polycom® EagleEye™ IV camera, a RealPresence Group Remote Control, and a RealPresence Group Microphone Array.

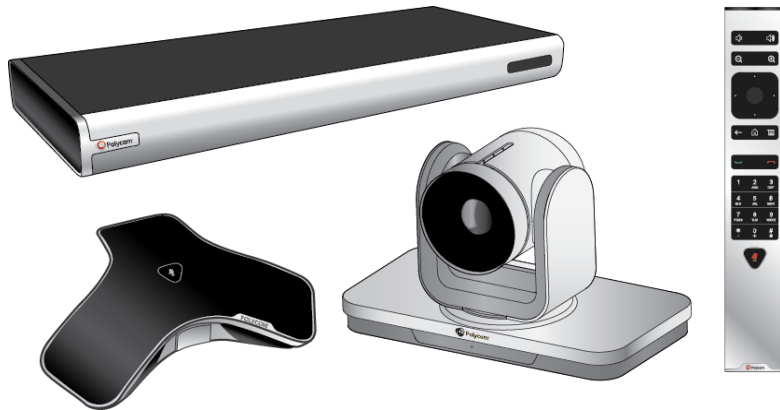
#### RealPresence Group 310 system and accessories



## RealPresence Group 300 and 500 Systems

RealPresence Group 300 and 500 systems ship with a Polycom® EagleEye™ IV camera, a RealPresence Group Remote Control, and a RealPresence Group Microphone Array.

**RealPresence Group 300 and Group 500 systems and accessories**



## RealPresence Group 700 Systems

RealPresence Group 700 systems ship with a Polycom EagleEye IV camera, a RealPresence Group Microphone Array, and a RealPresence Group Remote Control.

**RealPresence Group 700 system and accessories**



## System Performance

The RealPresence Group systems are cutting-edge visual collaboration tools that provide high quality video and sound. The systems use the most up-to-date video communications technology to deliver the most natural video conferencing experience.

The RealPresence Group systems support up to 1080p60 performance for people and content, for a new level of clarity and realism. RealPresence Group 300, RealPresence Group 310, RealPresence Group 500 systems support 1080p60 performance for either people or for content. RealPresence Group 700 systems support 1080p60 performance for people and content at the same time. You can pair all of the systems with the Polycom® EagleEye Director™, RealPresence Touch, or Polycom Touch Control to turn them into even more powerful room-based video systems.

## Language Support

The RealPresence Group Series 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

## Monitor Setup

Depending on the monitor you are using with the RealPresence Group system, you might want to change some default settings. Before setting up your system, review the following information to determine what changes might be necessary.

## Display All Pixels

Before attaching your RealPresence Group system to a TV monitor, ensure the monitor is configured to display all available pixels. This setting, also known as *fit to screen* or *dot by dot*, enables the entire HD image to be displayed. The specific name of the monitor setting varies by manufacturer.

## Ensure Monitor Availability

By default, the RealPresence Group system sends no signal when it goes to sleep. This might result in some monitors turning off or entering standby mode. If your monitor does not wake up when the RealPresence Group system wakes up and reestablishes the signal, you have several options:

- Turn the monitor off and on again before using the RealPresence Group system.
- Configure the monitor to enter standby mode when it is not receiving a signal.
- Set up the RealPresence Group system to display black video when it goes to sleep, instead of not sending a signal.

## HDCP Content Sources

Because the RealPresence Group Series does not support High-bandwidth Digital Content Protection (HDCP), if you connect a content source that sends HDCP-encrypted content, the content displays as black video on the near and far-end sites. To ensure that content displays correctly, send content in a format other than HDCP.

## Multipoint Layouts and System Type

When the host of a conference call is a RealPresence Group 500 system, the system displays all remote sites on a split screen with the speaker in a large window. On the RealPresence Group 700 system, up to eight sites are displayed on the monitor based upon layout chosen. When the host has dual monitors, the layout can span both monitors. The far-end site sees four sites, with each quadrant displaying the last four speakers.

## System Configuration and Setup

Administrator settings are available to configure in the system's web interface. Calling functions for users are available in the local interface.

For more information about setting up and using the RealPresence Group systems, refer to the documents on the product pages at [support.polycom.com](http://support.polycom.com).



**Note:** Every time you power on a RealPresence Group system, a splash screen appears on the monitor with a note to wait as the system starts. The monitor then goes black for a period of time. Do not attempt to turn off or restart the system during this time.

## New Features in 5.1.1

The following features are new for version 5.1.1.

### Polycom® Concierge Solution

RealPresence Group systems now support the Polycom® Concierge solution. This enterprise solution is an integrated system of Polycom products that enhance the meeting experience by allowing end users to extend and control their collaboration experience using personal computing devices such as smartphones, laptops, and desktop systems.

When a RealPresence Group system is provisioned as part of a Polycom Concierge deployment, users with supported and provisioned devices can wirelessly connect to the system. The devices must be running Polycom® RealPresence® Mobile or Polycom® RealPresence® Desktop.

Examples of collaboration and control functions that users might perform include the following:

- Join a meeting in progress upon entering the meeting room
- Present content
- Add participants, hang up the call, change the volume, and mute the call
- View and annotate shared content
- Record the call

To access the collaboration and control functions, users must first pair their personal device with a room system. Administrators have three options for providing this information:

- Configure a beacon to broadcast the location details for the room system. For more information, refer to the *Polycom Concierge Solution Deployment Guide* at [support.polycom.com](http://support.polycom.com).
- Generate a pairing information printout from RealPresence Resource Manager for users to obtain the pairing information. For more information, refer to the *Polycom RealPresence Resource Manager System Operations Guide* and the *Polycom Concierge Solution Deployment Guide* at [support.polycom.com](http://support.polycom.com).
- Add the pairing code to the RealPresence Group Series system local user interface.

#### To add the room system pairing code to the system's home screen:

- 1 In the RealPresence Group system web interface, navigate to **Admin Settings > General Settings > Home Screen Settings**.
- 2 Click **Address Bar**.
- 3 Select **Pairing Code** for either the left or right Address Bar element and click **Save**.

The pairing code for the RealPresence Group system displays on the bottom of the system's home screen in the meeting room.

If users encounter problems pairing with the system or you receive a registration error, confirm that the Polycom Concierge service is active.

#### To check the status of the Polycom Concierge service:

- 1 In the RealPresence Group system web interface, go to **Diagnostics > System > System Status**.
- 2 Confirm that the Polycom Concierge service is active (the status LED is green).

For additional details about the solution, see the *Polycom Concierge Solution Deployment Guide* at [support.polycom.com](http://support.polycom.com). For product interoperability information, refer to the *Polycom Concierge Solution Release Notes* at [support.polycom.com](http://support.polycom.com).

## 4-Way Symmetric 1080p in Full Screen Mode

RealPresence Group 700 systems now support 1080p 30fps resolution for both transmit and receive for H.264 4-way calls in full screen mode. To enable Symmetric 1080p, you must use the web interface.

### Enable Symmetric 1080p

You can enable Symmetric 1080p in the system web interface.

#### To enable Symmetric 1080p:

- 1 In the system web interface, go to **Admin Settings > General Settings > System Settings > Call Settings**.
- 2 At **Multipoint Mode**, select **Full Screen**.
- 3 At **Symmetric 1080p Multipoint Video**, select the checkbox and click **Save**.

When the system is in a call, it now displays the full screen view of the current speaker.



**Note:** When the fifth participant joins the full screen multimode conference, the receive resolution reduces to 640x368 and the transmit resolution reduces to 720p.

## New API Command `audio3p5inputfaronly`

When a RealPresence Group system is configured to use 3.5mm audio input as a microphone, the `audio3p5inputfaronly` command allows you to send 3.5mm audio input to only far sites; there is no local playback. In this mode, you cannot control 3.5mm audio using the Mute button, and the 3.5mm audio input option is disabled in the web interface.

#### Syntax:

```
audio3p5inputfaronly <get|enable|disable>
```



**Note:** The `audio3p5inputfaronly` command is not supported on RealPresence Group 300 systems, since 3.5mm audio input is not an available feature.

## Experimental Features

You can now enable experimental features and evaluate them in a non-production environment. For more information about the experimental features or to provide feedback on your experience, visit the [Polycom Support Community](#).



**Note:** Experimental features are neither tested nor supported. These features might, or might not, become official features in a future release.



### To enable the experimental features:

- 1 In the web interface, select **Admin Settings > General Settings > System Settings > Polycom Labs**.
- 2 Select the **Enable Polycom Labs Features** checkbox to enable all experimental features.

These are the experimental features in this release:

[VisualBoard Advanced Features](#)

[Incoming Noise Block](#)

[Acoustic Fence with Beam Shaping](#)

[Auto Wakeup Feature for Polycom EagleEye Producer](#)

[Content Stretch](#)

[Dual Live-Stream](#)

### VisualBoard Advanced Features

- **Enable PowerPoint Slide Conversion:** Show PowerPoint document files while working in VisualBoard.
- **Allow Slide Zoom:** Enlarge a slide by moving two fingers in opposite directions while in drawing mode.
- **Allow Swipe Navigation:** Move to the next slide by swiping, or fast dragging, while in pointer mode.

### Incoming Noise Block

When the Incoming Noise Block feature is enabled, the RealPresence Group system automatically senses ambient noise in the far-end audio and mutes the loudspeaker. Ambient noise can include keyboard typing, paper shuffling, or any sounds other than human speech. As soon as the far-end meeting participant begins speaking, the system automatically unmutes the loudspeaker.

### Acoustic Fence with Beam Shaping

Acoustic Beam greatly reduces sounds outside a well-defined beam. The beam width can vary from +/- 10 degrees to +/- 60 degrees. A single tabletop microphone, a single ceiling ball, or a single EagleEye Acoustic camera forms the beam by appropriate signal processing on the microphones contained in the unit.

If two tabletop microphones or two ceiling balls are connected to the system, only sounds inside the intersection of the beams formed by each of the two tabletop microphones or two ceiling balls is picked up. In addition, you can connect one tabletop microphone and one ceiling ball, and only sounds within the intersection of their two beams is picked up.

Try using two desktop microphone arrays to define a region of audio pickup through the beam intersection. It will take some experimentation to find the optimal rotation angle and position of each array to create the desired audio pickup region.



**Note:** The Acoustic Fence with Beam Shaping and Acoustic Fence Technology features cannot be enabled at the same time. To disable Acoustic Fence, in the web interface, go to **Admin Settings > Audio/Video > Audio > General Audio Settings**. Clear the checkbox next to Enable Acoustic Fence.

To use this feature, you must enable it in the web interface.

### To enable and configure Acoustic Fence with Beam Shaping:

- 1 In the web interface, go to **Admin Settings > System Settings > Polycom Labs**.
- 2 Select **Enable Acoustic Fence with Beam Shaping**.
- 3 To configure the **Acoustic Fence Sensitivity** setting, do one of the following:
  - For a desktop or ceiling microphone array, start with a value of 10, the maximum width angle. If you hear interfering sounds, decrease the value.
  - For the EagleEye Acoustic camera, start with a value of 5.

### Auto Wakeup Feature for Polycom EagleEye Producer

This feature enables an EagleEye Producer to automatically wake up when it detects the presence of people or faces.

### Content Stretch

This feature allows RealPresence Group systems to stretch the content to fit the monitor. When this feature is enabled, content is shown full screen without the black bars even though the receiving content aspect ratio might not be 16:9.

### Dual Live-Stream

This feature adds the ability to combine two cameras as a single camera source. The encoded stream to be sent to the far site consists of a single stream of encoded video that will include two camera views. The far end will notice two camera views from the far site. They will not notice a difference in call connection, negotiation, or quality. This feature is only supported on RealPresence Group 700 systems.

The following layouts are supported:

- Equal size
- Main camera only
- Room camera only
- Main camera in PIP
- Room camera in PIP
- Side by side 3D
- Top and bottom 3D

## Install the Software

Procedures for installing and updating RealPresence Group system software vary. With your license key, you can update directly from software version 4.0.2 or later to 5.1.1.

When updating the system software to version 4.1.x or later, make sure you are currently running version 4.0.2 or later.

- If you are running version 4.0.0, 4.0.0.1, or 4.0.1, download and install version 4.0.2 from [support.polycom.com](http://support.polycom.com) before you download and install a 4.1.x version.
- If you are already running version 4.0.2 or later, you can follow the procedures described in *Polycom RealPresence Group Series Software, Options, and Accessories* at [support.polycom.com](http://support.polycom.com).

## Software Version History

### RealPresence Group System Software

Software Version	Release Date	Description
5.1.1	May 2016	Includes support for the Polycom Concierge solution, 4-Way Symmetric 1080p in Full Screen Mode, API command audio3p5inputfaronly, and escalation fixes for customer support.
5.1.0	February 2016	Includes escalation fixes and support for the touch-enabled user interface, and updates the factory partition to version 5.1.0.
5.0.2	January 2016	Includes escalation fixes and documentation updates.
5.0.1	November 2015	Includes escalation fixes and documentation updates. Provides support for EagleEye Producer software 1.1.1.
5.0.0	September 2015	Includes support for Microsoft Office 365 calendaring, first release of the RealPresence Touch device, adds support for viewing content from Microsoft Lync desktop clients, add provisioning capabilities, includes enhancements to security for SIP applications, adds support for Lync Response Group registrations, adds Native Support for RealConnect feature, support for Link Layer Discovery Protocol (LLDP) and Link Layer Discovery Protocol Media Endpoint Discovery (LLDP/MED), new API commands, adds improvements to import and directory interface, support for new EagleEye IV mounting option, includes Acoustic Fence technology, includes update to web interface to include 3.5mm audio input, includes support for EagleEye Producer software 1.1 that has automatic camera updates, and includes support for several experimental features.
4.3.2	August 2015	Includes escalation fixes and documentation updates.
4.3.1	June 2015	Provides support for EagleEye Producer software 1.0.1.17, and corrected issues from the previous RealPresence Group Series release.
4.3.0	May 2015	Includes support for the RealPresence Group Series 310 system, using SSH for secure API access, enabling and disabling Audio Add In, and Polycom EagleEye Producer version 1.0.0.
4.3.0	March 2015	Includes support for using SSH for secure API access, enabling and disabling Audio Add In, and Polycom EagleEye Producer version 1.0.0.
4.2.0	January 2015	Includes support for additional Microsoft Lync 2013 enhancements; adds CEC monitor controls; includes SVC updates; adds support for enhanced High Definition video resolution; includes updates to receiving software updates from the web interface, and adds accessible HTML help; adds support for a visual security classification feature; includes support for People+Content IP 1.3; provides updates to the API; includes support for Polycom EagleEye Producer.
4.1.3.2	April 2014	Correction for the Heartbleed OpenSSL Security Vulnerability in third-party software.

Release Notes

Polycom RealPresence Group Series

Software Version	Release Date	Description
4.1.3	February 2014	Provides native Microsoft Lync 2013 interoperability; adds support for recording on RealPresence Group 700 systems; includes more robust and secure SNMP and system logging functionality; adds support for BroadSoft BroadWorks DMS provisioning; provides support for the Polycom VisualBoard application; includes updates of SVC functionality; includes support for a new version of the Polycom EagleEye Director which has a new tracking mode; provides updates to the API.
4.1.1.1	September 2013	Includes support for additional Lync 2013 enhancements; adds Cisco TIP interoperability; replaces version 4.1.1.
4.1.1	July 2013	Provides enhanced security; includes Scalable Video Codec (SVC) updates; adds compatibility for Microsoft Lync 2013; provides remote management of the Polycom Touch Control; supports Polycom Calendering for Microsoft Outlook.
4.0.2	March 2013	Added support for the SVC protocol and RealPresence Group 700 system; enabled Monitor Profiles for configuring viewing and recording preferences.
4.0.1	January 2013	Enabled Polycom® SmartPairing™ in automatic mode with the RealPresence Mobile application on an Apple iPad; added more diagnostic features; included API support for a broadcast beacon to an AMX® NetLinx™ central controller; added support for software downgrade via USB; added support for the EagleEye Acoustic camera; updated EagleEye Director software to version 2.1, which adds camera support for 1080p with 60 frames per second.
4.0.0.1	November 2012	Correction for an issue recently observed at the factory in which RealPresence Group systems restarted intermittently while in a call; replaces 4.0.0.
4.0.0	November 2012	First release of software to support the RealPresence Group 300 and 500 systems.

## Polycom Solution Support

Polycom Implementation and Maintenance services provide support for Polycom solution components only. Additional services for supported third-party Unified Communications (UC) environments integrated with Polycom solutions are available from Polycom Global Services, and its certified Partners, to help customers successfully design, deploy, optimize, and manage Polycom visual communication within their third-party UC environments. UC Professional Services for Microsoft® Integration is mandatory for Polycom Conferencing for Microsoft Outlook and Microsoft Office Communications Server or Microsoft Lync™ Server integrations.

For additional information and details, refer to [professional\\_services/index.html](http://professional_services/index.html) or contact your local Polycom representative.

## Hardware and Software Compatibility

The following table lists RealPresence Group system software versions that are compatible with RealPresence Group system hardware.



**Note:** 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](http://PolycomService/support/us/support/service_policies.html) to see the Current Polycom Interoperability Matrix.

Hardware Model	Part Number (or Serial Number)	Designation in User Interfaces	Compatible Software Versions
RealPresence Group 700	2201-08090-xxx	Hardware version 7 Hardware version 8	4.1.3 and higher 4.1.3 and higher
RealPresence Group 700	2201-09770-xxx	Hardware version 6 Hardware version 7	4.0.2 and higher 4.1.3 and higher
RealPresence Group 500	2201-68113-xxx	Hardware version 16 Hardware version 18	4.2.0 and higher 4.2.0 and higher
RealPresence Group 500	2201-09790-xxx	Hardware version 9 Hardware version 10 Hardware version 12 Hardware version 15 Hardware Version 17	4.0.0 and higher 4.1.3 and higher 4.1.3 and higher 4.1.3 and higher 4.2.0 and higher
RealPresence Group 310	2201-68113-xxx	Hardware version 16 Hardware version 18	4.3.0 and higher 4.3.0 and higher
RealPresence Group 300	2201-68108-xxx	Hardware version 16 Hardware version 18	4.2.0 and higher 4.2.0 and higher
RealPresence Group 300	2201-64752-xxx	Hardware version 9 Hardware version 10 Hardware version 12 Hardware version 15 Hardware Version 17	4.0.0 and higher 4.1.3 and higher 4.1.3 and higher 4.1.3 and higher 4.2.0 and higher

## Operating Systems and Web Browsers

The RealPresence Group system web interface requires Windows® Internet Explorer 10 or 11 on Windows 8, Apple® Safari® 9.0.3 on Mac OS® X (Yosemite), or Mozilla Firefox 44 on Windows 8.

RealPresence Group systems support the following components:

- Polycom EagleEye Producer
- EagleEye Director
- RealPresence Touch
- Polycom Touch Control
- Polycom Concierge
- Polycom EagleEye Acoustic, EagleEye III, EagleEye II, EagleEye 1080, EagleEye View, EagleEye HD, and EagleEye IV cameras
- RealPresence Group Microphone Array
- Polycom® HDX® system table microphones and ceiling microphones
- Polycom® SoundStructure®
- Polycom Stereo Speaker Kit
- Polycom® SoundStation® IP 7000 phone

For specific version support information, see [Products Tested in this Release](#).

## Touch-Capable Monitors

The touch-enabled user interface and VisualBoard are compatible with the following touch-capable monitors.

Brand	Model	Size
Acer	T232HL	23"
Acer	T272HL	27"
HP Compaq	L2206	22"
LG	LG KT-T430 overlay on LG-43SL5B LG-43SE3B	43"
LG	LG KT-T490 overlay on LG-49SL5B LG-49SE3B	49"
LG	LG KT-T550 overlay on LG 55SL5B LG-55SE3B	55"
LG	LG KT-T650 overlay on LG 65LS33A	65"
Planar	PCT2785	27"

Brand	Model	Size
Planar	UR8451	84"
Polycom	Touch Digital Display	70"
Sharp	PN-L702B PN-L703B	70"

## Security Updates

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

## Corrected Issues in Version 5.1.1

The following table lists issues corrected in version 5.1.1.

Category	Issue ID	Description
Audio	GS-28310	The correct microphone labels did not display for the corresponding audio meters. This issue has been corrected.
Audio	GS-27706	On a RealPresence Immersive Telepresence Studio system, Audio Input Level for 3.5mm returned back to 0 after the system rebooted. This issue has been corrected.
Calling	GS-26941	When the dialed number contained a # character, the Real Presence Group system did not place an outgoing call. This issue has been corrected.
Cameras	GS-27540	RealPresence Immersive Studio cameras were overexposed after rebooting. This issue has been corrected.
Content	GS-28004	Video artifacts on content video remained after packet loss subsided. This issue has been corrected.
Content	GS-25957	In a call between the a RealPresence Group system and a Unify SoftMCU system, the content video could be shared initially in the call, but after a SIP session refresh, content video transmission stopped. This issue has been corrected.
Content	GS-27619	After sending content using the People+Content IP application, the RealPresence Group system powered off and back on. This issue has been corrected.
Interoperability Avaya	GS-26819	The RealPresence Group system did not receive LDAP contact details from an Avaya Scopia system. This issue has been corrected.
Interoperability Cisco	GS-26908	The RealPresence Group system would not decode H.264 video with payload type 116 from a Cisco Cube SBC in a SIP call with an Acano MCU. This issue has been corrected.

Category	Issue ID	Description
Interoperability Crestron	GS-27666	The RealPresence Group system stopped recognizing content input from a Crestron AirMedia device. This issue has been corrected.
Interoperability Microsoft	GS-28320	The Add Call button displayed during a call escalation of an inbound Microsoft Skype for Business call. The button is not supported and has been removed. This issue has been corrected.
Interoperability Microsoft	GS-27555	When a RealPresence Group system registered to Microsoft Lync 2013 received a call from a Lync client, the system showed a remote site name RMX2000. This issue has been corrected.
Interoperability Microsoft	GS-26175	Attempts to dial into a Skype for Business conference call by selecting Join on the calendar failed on a RealPresence Group system. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-28926	When the gray border around the Add Participants list was tapped on the RealPresence Touch, the keyboard was displayed inconsistently. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-28428	After tapping Add Participants, the keyboard on the RealPresence Touch was displayed after several failed attempts. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-28425	After the user selected the Done keyboard button on the RealPresence Touch, the Add Participants filter list was lost and an incomplete search entry was created. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-28271	The RealPresence Touch failed to join a RealConnect scheduled meeting from the Join button. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-28180	After dialing a RealConnect scheduled meeting using the Join button, the RealPresence Touch device stopped responding. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-28132	After a call placed from the RealPresence Touch was cancelled, it remained in the Add Participants field and had to be manually deleted. This issue has been corrected.
Interoperability Polycom RealPresence Touch	GS-27912	The RealPresence Touch sometimes became unpaired from the RealPresence Group system without user intervention. This issue has been corrected.
Interoperability Polycom SoundStation IP 7000	GS-27503	The RealPresence Group system, connected with a Polycom SoundStation IP 7000, occasionally failed to connect on inbound and outbound calls. This issue has been corrected.
Interoperability Polycom Touch Control	GS-28210	Shared content was pixilated using the People + Content IP application version 1.0.1 on a Polycom Touch Control device connected to a MAC computer through a USB cable. This issue has been corrected.



Category	Issue ID	Description
Logging	GS-27801	When configured for a remote log server, the RealPresence Group system sent over 30,000 messages a day. This issue has been corrected.
Network	GS-27008	The RealPresence Group system showed Presence, SIP, Provisioning, Calendar, and Microsoft services as down. This issue has been corrected.
Provisioning	GS-27489	The RealPresence Group system intermittently lost contact with the provisioning server, Microsoft Skype for Business registration, and calendaring registration. This issue has been corrected.
Security	GS-28141	The Administrator password on the RealPresence OTX system secondary codecs could not reset or change. This issue has been corrected.
SIP	GS-27370	The RealPresence Group system occasionally powered off and back on after a SIP to PSTN call was placed through a Freeswitch Gateway. This issue has been corrected.
Software Update	GS-28342	After an upgrade to software version 5.0.2, the System Name intermittently changed, resulting in all the system names for each codec being the same. This issue has been corrected.
User Interface	GS-27296	Time on the RealPresence Group system Home Screen was incorrect by as much as 60 seconds from the NTP time. This issue has been corrected.
Video	GS-27909	Monitor 2 connected to the RealPresence Group system sometimes showed a blue screen instead of the main camera video source. This issue has been corrected.
Video	GS-27741	The RealPresence Group system showed a distorted layout in an AVMCU call. This issue has been corrected.

## Known Issues in Version 5.1.1

The following table lists the known issues for the version 5.1.1 release. If a workaround is available, it is noted in the table.

Category	Issue ID	Description	Workaround
API	GS-25980	The API calendarmeetings command might not send notifications.	
Calendar	GS-29272	On the RealPresence Touch, the Calendar displays the Join button when currently in a meeting.	
Calling	GS-25208	In a UNIFY OpenScape Video (OSV) environment, audio and video might not work on a RealPresence Group system after resuming a call that has been on hold for more than two and a half minutes.	
Calling	GS-24638	In a UNIFY environment, content sharing and Far End Camera Control (FECC) may not be transmitted sometimes in a RealPresence Group system to a DMA VMR call if the Fixed Ports setting is enabled.	Disable the Fixed Ports setting. Go to <b>Admin Settings &gt; Network &gt; IP Network &gt; Firewall</b> and disable Fixed Ports.
Calling	GS-24637	If two RealPresence Group systems are registered with OpenScape Video (OSV), and encrypted calls are made through the UNIFY session border controller (SBC), calls might sometimes connect over audio.	
Calling	GS-16896	If a RealPresence Group system is in an SVC conference and the downlink bandwidth is 256k or less, the SVC call might be disconnected after a few minutes.	
Calling	GS-13144	If the call rate is high when placing a call to a remote endpoint through a FW/NAT device, the video might become degraded due to reduced video rate.	
Calling	GS-9293	When placing calls through an ISDN gateway, the system cannot dial line rates that are multiples of 56 kbps. RealPresence Group systems only support call rates that are multiples of 64 kbps.	

Category	Issue ID	Description	Workaround
Cameras	GS-27192	A RealPresence Group system may incorrectly show a multiple camera status when controlling the remote endpoint cameras.	
Cameras	GS-17535	If a RealPresence Group system is running a software version earlier than 4.1.3 and is connected to an EagleEye IV camera, the system might continuously restart.	Before connecting an EagleEye IV camera, update the RealPresence Group system to version 4.1.3 or later.
Cameras	GS-12308	If the name of a camera connected to a RealPresence Group system is longer than 32 characters, the following error message displays in the web interface: One or more errors occurred. Please try again.	Make sure the camera name is no longer than 32 characters.
Cameras	GS-9822	If you replace one of the cameras in the EagleEye Director automatic camera positioning system while it is in use, the RealPresence Group system might not be able to detect the EagleEye Director.	Power off the EagleEye Director, then power it back on and ensure that the RealPresence Group system properly detects the EagleEye Director.
Cameras	GS-8418	When changing the Country setting from a PAL to NTSC country, or vice versa, on a RealPresence Group system that is attached to an EagleEye 1080 camera, the system must be restarted before the change takes effect on the camera.	
Cameras	GS-7098	When a RealPresence Group system is not in a call, the Mute button cannot be used to enable or disable EagleEye Director tracking.	Enable or disable camera tracking from the Menu screen in the local interface.
Content	GS-29479	Monitor 2 still can show the content when it is set as "Speaker Only".	
Content	GS-30211	When the VisualBoard/RDP setting is disabled on the web interface, after you upgrade from version 5.1.0 to 5.1.1 on a RealPresence Group 550 system, the HDMI monitor 2 displays only black content video.	Do one of the following: <ul style="list-style-type: none"> <li>In the RealPresence Group 550 system's web interface, enable the VisualBoard/RDP setting before performing a software update to version 5.1.1 from version 5.1.0.</li> <li>Perform a factory restore on the system and install version 5.1.1.</li> </ul>
Content	GS-24508	RealPresence Group systems do not support reloading shared content when a VMR call with multiple participants is placed on hold and then resumed.	

Category	Issue ID	Description	Workaround
Content	GS-23968	In an RMX call, if you switch content from People+Content IP to VisualBoard, content might not launch on the first try.	Relaunch VisualBoard to show content.
Content	GS-15320	On a RealPresence Group 700 system, VGA content might take a few seconds to start. During this time, the system might intermittently display Sending Content. When the content begins, the resolution might be incorrect.	
Content	GS-15020	When a RealPresence Group Series system is configured with TIP enabled and joins a TIP-aware RealPresence Collaboration Server conference, content sent from the RealPresence Group system is played on the People channel.	On the web interface, go to <b>Admin Settings &gt; Network &gt; Dialing Preference &gt; Dialing Option</b> and disable the <b>TIP</b> setting.
Content	GS-10151	The RealPresence Group series does not support HDCP (high-bandwidth digital content protection). If you connect a content source that sends HDCP-encrypted content, the content is not shown (on the local or far side) and the screen displays black video.	When sending content, do not use a content source using HDCP.
Content	GS-9043	Sharing content on a RealPresence Group system by using a 1280 x 1024 resolution with a 85 Hz refresh rate is not supported.	Use a refresh rate of 60 Hz or 75 Hz.
Directory	GS-25910	The focus may disappear when you add a contact to favorites by searching the directory on the local interface.	
Directory	GS-20379	Directory entries imported from RealPresence HDX systems to RealPresence Group systems using the Directory Import/Export feature do not maintain the RealPresence HDX Directory grouping structure.	
Gatekeepers	GS-11469	Polycom RealPresence Group systems cannot be configured to use Avaya gatekeepers.	
Hardware	GS-22016	Factory restore might not work correctly when you unplugged the power cord, press the factory restore button, and plug the power cable back in.	For the correct factory restore procedure, refer to the Polycom RealPresence Group Series Administrator Guide.

Category	Issue ID	Description	Workaround
Interoperability Broadsoft	GS-24812	When a RealPresence Group system is registered to Broadsoft BroadWorks using Sonus SBC with the TLS transport protocol, and a call is made from the RealPresence Group system to a RealPresence Distributed Media Application (DMA) VMR, the call might disconnect if after 30 minutes into the call the call is placed on hold.	
Interoperability Cisco	GS-25097	When TIP is enabled, calls between a RealPresence Group system and a Cisco endpoint may fail the first time.	On the web interface, go to <b>Admin Settings &gt; Network &gt; Dialing Preference &gt; Dialing Option</b> and disable the <b>TIP</b> setting. Alternatively, attempt the call again.
Interoperability Cisco	GS-24645	When a RealPresence Group system connects to a Cisco C-Series system in a H.323 encrypted conference call, loud screeching audio may be heard when the Cisco C-series encryption KeySize is set to Min1024bit.	On the Cisco C-series system, set Encryption KeySize to Max1024bit (the default).
Interoperability Cisco	GS-23624	When a RealPresence Group system is registered on OpenScape Video (OSV) and a Cisco C60 system is registered on a Cisco Video Communications Server (VCS), a call from the RealPresence Group system to the Cisco C60 system establishes successfully, and then in five seconds the video on the Cisco C60 system disappears.	
Interoperability Cisco	GS-21963	When a RealPresence Group 500 system is in an encrypted SIP call that is registered over TLS to a Cisco VCS, and the system places a SIP call to a RealPresence Group 700 system, the RealPresence Group 700 system may not receive video from the RealPresence Group 500 system.	On the web interface of the RealPresence Group 500 system, go to <b>Admin Settings &gt; Network &gt; IP Network &gt; SIP</b> and enable the <b>Force Connection Reuse</b> setting.
Interoperability Cisco	GS-21507	When Immersive Studio systems, registered to CUCM, are in a point-to-point SIP call, call statistics show the call connecting at lower than set preferred speeds and do not match between SUT and EP1.	Register to Polycom DMA trunked to CUCM.

Category	Issue ID	Description	Workaround
Interoperability LifeSize	GS-20717	When a RealPresence Group system is in a multipoint call with a LifeSize ICON 600 endpoint using SIP protocol at a 1920k rate, the RealPresence Group system does not receive content.	
Interoperability LifeSize	GS-13316	A call between a RealPresence Group system and a LifeSize desktop client that uses an unregistered IP address might not have video.	Register both systems to a SIP proxy.
Interoperability LifeSize	GS-12496	If a LifeSize Team 220 system is the first system called in a SIP conference call, video is not received from the LifeSize system.	Either do not dial the LifeSize system first, or dial the system at a very low call rate such as 384 kbps.
Interoperability Microsoft	GS-28060	If you set the Directory Server type to Microsoft on the system web interface, the list of local contacts, local groups, and the global directory does not appear on the Contacts tab on the RealPresence Touch device.	On the RealPresence Touch device, unpair the RealPresence Group system and then pair it again.
Interoperability Microsoft	GS-26430	The RealPresence Group system does not register with the SIP protocol to the backup Lync server in failover tests.	
Interoperability Microsoft	GS-25692	A point-to-point call between a RealPresence Group system and Lync may disconnect when video from a Lync Client with a Polycom CX5500 Unified Conference Station is started or stopped.	
Interoperability Microsoft	GS-25431	A point-to-point call between two RealPresence Group systems registered with Lync may not remain active for more than 24 hours.	Reconnect the call.
Interoperability Microsoft	GS-25043	Calls might not connect in a TCP-only federated environment when a Lync-registered RealPresence Group system is in one domain and a VMR is in a different domain.	Use UDP instead of TCP.
Interoperability Microsoft	GS-24640	Remote desktop (RDP) content is delayed for 15 seconds on a RealPresence Group system when sharing from a Lync client on an Apple Mac computer in a point-to-point call.	

Release Notes

Polycom RealPresence Group Series

Category	Issue ID	Description	Workaround
Interoperability Microsoft	GS-24602	RealPresence Group systems may disconnect a remote desktop call when an external user on Lync 2013 shares content.	Escalate the call to a MeetNow conference and resend content.
Interoperability Microsoft	GS-24545	RealPresence Group systems do not display scroll bars when scrolling through Microsoft Lync or Skype for Business content.	
Interoperability Microsoft	GS-23632	If the presenter in a MeetNow call mutes the conference and the RealPresence Group system participant tries to unmute, the RealPresence Group system participant will not receive a notification that they cannot unmute the call.	Request the presenter unmute the call.
Interoperability Microsoft	GS-21450	When a RealPresence Group Series system becomes the active speaker in conference calls with a Lync client and an HDX system, the RealPresence Group Series system video delays and freezes on the HDX.	
Interoperability Microsoft	GS-21208	A RealPresence Group system cannot join a consultative transfer from the Lync Client 2013.	
Interoperability Microsoft	GS-21207	Blind transfers from an internal RealPresence Group Series system to a federated external RealPresence Group Series system over Lync Attendant Console do not work.	
Interoperability Microsoft	GS-21088	RealPresence Group systems do not register with the SIP protocol to the backup Lync server in failover tests.	
Interoperability Microsoft	GS-20919	RealPresence Group Series endpoints might take more than 30 seconds to connect to a federated Lync online meeting that requires media over TCP.	
Interoperability Microsoft	GS-18630	RealPresence Group systems currently do not support Lync mobility clients.	
Interoperability Microsoft	GS-16065	When recording is paused on a Lync 2013 client, the red recording icon still displays in the local interface.	

Category	Issue ID	Description	Workaround
Interoperability Microsoft	GS-12982	When a RealPresence Group system is in a multipoint call hosted by a Microsoft Lync AV MCU, the RealPresence Group system participant name, number, and system values on the Settings > System Information > Call Statistics screen might be incorrect.	
Interoperability Polycom CX8000	GS-29928	During a point-to-point call between a RealPresence Group system and a Polycom® CX8000 system, the RealPresence Group system might display pixelated, low resolution video, while the video on the Polycom CX8000 system has no resolution issues.	
Interoperability Polycom RealPresence Capture Server	GS-28146	When a user starts a recording in a RealPresence Group system call, the Polycom RealPresence Capture Server and the Polycom® RealPresence® Media Suite™ display a static page with buttons. These buttons cannot be pressed on a touch monitor.	Use the system remote control or DTMF touch tones to control recording in a call.
Interoperability Polycom RealPresence Resource Manager	GS-24332	If a RealPresence Group system is dynamically managed by RealPresence Resource Manager and the host name of the RealPresence Group system is longer than 64 bytes, logging in through the web interface may fail.	Make sure the host name of the RealPresence Group system, including the domain, is less than 64 bytes.
Interoperability Polycom RealPresence Touch	GS-28120	When a RealPresence Group system is paired to a RealPresence Touch device and sends content, the welcome and analog clock image overlays the video if the Camera menu is accessed from the RealPresence Touch.	
Interoperability Polycom RealPresence Touch	GS-28059	If you set the Directory Server type to Polycom GDS on the system web interface, the list of local contacts, local groups and the global directory does not appear on the Contacts tab on the RealPresence Touch device.	On the RealPresence Touch device, unpair the RealPresence Group system and then pair it again.
Interoperability Polycom RealPresence Touch	GS-27311	If you select the <b>Admin Settings &gt; Servers &gt; Directory Server Type</b> as Microsoft in the web interface, the RealPresence Touch device might not display all local groups that exist on a corporate Lync account.	



Category	Issue ID	Description	Workaround
Interoperability Polycom 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 list in the web interface.	From the RealPresence Touch Home screen, tap the Place a Call icon, then choose a sub menu.
Interoperability Polycom RealPresence Touch	GS-26569	On the RealPresence Touch, deleting contacts using the virtual keyboard sometimes does not function as expected.	Press and hold the contact or use the delete button in the input field.
Interoperability Polycom RealPresence Touch	GS-24781	A RealPresence Touch paired with a RealPresence Group system sometimes becomes unpaired and is unable to automatically repair.	On the system web interface, go to <b>Admin Settings &gt; General Settings &gt; Pairing &gt; Polycom Touch Device</b> and click <b>Forget this Device</b> . Then on the RealPresence Touch device, re-pair the system.
Interoperability Polycom RealPresence Touch	GS-24738	An error message is not displayed when a USB storage device is removed from a RealPresence Touch before logs are completely transferred to the USB storage device. However, when the USB storage device is removed, the RealPresence Touch displays a message that log transfer was successfully completed.	Wait until the "Log transferred successfully" message is displayed on the RealPresence Touch screen before removing the USB storage device.
Interoperability Polycom RealPresence Touch	GS-23570	You cannot download RealPresence Group system logs from the embedded RealPresence Touch administration page.	Open a web browser and navigate to the RealPresence Group system web interface to download system logs.
Interoperability Polycom RealPresence Touch	GS-23521	System information and user settings are not available when the RealPresence Touch is not paired.	Pair the RealPresence Touch with a RealPresence Group system to find the information. Alternatively, use the RealPresence Touch web interface to find the information (IP address is available in the unpaired screen).
Interoperability Polycom RealPresence Touch	GS-22650	Logging out of the RealPresence Touch web interface does not function properly in a Firefox or Chrome browser.	Use a different browser, such as Internet Explorer, or close the browser when you are done working in the web interface.

Category	Issue ID	Description	Workaround
Interoperability Polycom SoundStation IP 7000	GS-25764	When using a SoundStation IP 7000 conference phone connected to a RealPresence Group system to make a video call and an then audio call, if the video call is disconnected, the local interface shows no active calls. You must disconnect the active audio call using the SoundStation IP 7000 phone.	
Interoperability Polycom SoundStation IP 7000	GS-21059	When a RealPresence Group system is in a call with a SoundStation IP 7000 conference phone and places the call on hold, only the video is held. The audio is still active.	
Interoperability Polycom SoundStation IP 7000	GS-13406	When using a SoundStation IP 7000 conference phone attached to a RealPresence Group system for an audio call, an incoming video call to the RealPresence Group system might result in the audio call being put on hold with no way of retrieving or hanging up the call.	
Interoperability Polycom SoundStation IP 7000	GS-12543	If a SoundStation IP 7000 conference phone is disconnected and then reconnected to a RealPresence Group system during a multipoint mixed-mode call, the video from the system might freeze.	Restart the RealPresence Group system.
Interoperability Polycom Touch Control	GS-25992	If during the setup wizard for Polycom Touch Control you skip the pairing screen, you receive an error message about a failure in Directory Provider. You can dismiss the message and continue the setup process, but you will continue to see the error message after each system restart until the Polycom Touch Control is paired.	Do not skip the pairing screen or dismiss the error message. Pair the Polycom Touch Control with a RealPresence Group system.
Interoperability Polycom Touch Control	GS-25908	The Download and Install Software button on the Polycom Touch Control web interface might be grayed out and cannot be selected.	On the Polycom Touch Control screen, touch the Download and Install Software button.
Interoperability Polycom Touch Control	GS-23726	Rarely, if a RealPresence Group system is paired with a Polycom Touch Control and a remote control with a low battery is used, a message that the battery power is low is displayed and will not go away.	Unpair the Polycom Touch Control and recharge the battery.

Category	Issue ID	Description	Workaround
Interoperability Polycom Touch Control	GS-15219	A Polycom Touch Control might not automatically get a new IP address when switching to a different DHCP server.	Turn the Polycom Touch Control off and back on.
Interoperability Polycom Touch Control	GS-14978	If you attempt to pair a Polycom Touch Control and a RealPresence Group system before finishing the setup wizard, a login failed error message might display on the Polycom Touch Control.	Finish the setup wizard on the RealPresence Group system before attempting to pair it with a Polycom Touch Control.
Interoperability Polycom VisualBoard	GS-23510	You may occasionally see arrows on the right-bottom corner of the VisualBoard application toolbar.	Reconnect the USB storage device.
Interoperability Polycom VisualBoard	GS-23505	While using the VisualBoard application, you may occasionally see an unexpected Save icon in the toolbar area.	
Interoperability Polycom VisualBoard	GS-22879	Tapping a single point while the VisualBoard application is calibrating may occasionally end the calibration process.	Restart the calibration process.
Interoperability Polycom VisualBoard	GS-15734	When VisualBoard content is shared between endpoints in a call and one endpoint is using a 1080p monitor while the other endpoint is using a 720p monitor, the border around the content window will display multiple times.	Ensure both endpoints are using a 1080p monitor.
Interoperability Polycom VisualBoard	GS-15621	NTFS formatted USB flash drives are not supported with VisualBoard.	Use FAT or FAT32 formatted USB flash drives.
Interoperability Polycom VisualBoard	GS-14553	When using the VisualBoard application, monitor 2 shows black video if the resolution is set to 1080i60.	Configure monitor 2 to use 1080p60.
Interoperability Radvision	GS-17405	When a RealPresence Group system and a Radvision Scopia XT1000 are registered to a DMA, and the RealPresence Group system starts sending content before the Radvision system does, the Radvision system cannot send content.	Stop sending content from the RealPresence Group system, and then start sending content from the Radvision Scopia XT1000 system.

Category	Issue ID	Description	Workaround
Interoperability Radvision	GS-13892	When a RealPresence Group Series system is configured for UDP/BFCP and dials into a Radvision Scopia Elite bridge, the content stream is not always negotiated. Instead, content is sent over the people channel.	Use TCP/BFCP in this environment.
Interoperability Radvision	GS-13522	The RealPresence Group Series systems do not receive video from the Radvision Scopia 100 P10 gateway.	
Interoperability Radvision	GS-2160	When in a mixed H.323/SIP call with a Radvision Scopia XT1000 as the MCU, the RealPresence Group system that connected as a H.323 endpoint does not transmit video.	Make the call using either H.323 or SIP.
Interoperability TANDBERG	GS-601	Content does not work when a RealPresence Group system is in a SIP call with a Tandberg MXP system.	Instead of using the SIP protocol, use H.323.
Interoperability Tely Labs	GS-25617	BFCP negotiation fails when a RealPresence Group 300 system receives SIP calls from a Tely HD system.	
Logging	GS-21913	Users can enter special characters into a CSR field and receive no notification of an invalid entry on RealPresence Group systems. This results in a certificate request failure.	
Monitors	GS-28171	On RealPresence Group 300 and 310 systems, the touch user interface is not enabled by default.	In the system's web interface, activate the dual monitor option.
Monitors	GS-28149	On some touch monitors, the USB connection is disabled when the display goes into sleep mode. This results in the touch monitor not being recognized by the RealPresence Group system when it comes out of sleep mode, or when it is powered up. To fix this issue, disconnect the monitor from the RealPresence Group system and then reconnect it. Alternately, power off and on the touch monitor.	If possible, deactivate the USB sleep configuration on the touch monitor.
Monitors	GS-25845	After a softupdate, displays might remain on if the sleep timer is set to less than three minutes.	Do not set the codec sleep timer to less than three minutes.

Category	Issue ID	Description	Workaround
Monitors	GS-23998	Some Philips VGA monitors may display distorted images on RealPresence Group systems.	
Monitors	GS-8188	On the RealPresence Group 700 system, the output display is always black when Monitor 1 is a VGA monitor with a Sleep setting of No Signal. If Monitor 2 and Monitor 3 are VGA monitors and the Sleep setting is No Signal, the system does not send a signal to those monitors when it goes to sleep.	
Multipoint	GS-452	RealPresence Group systems do not support Conference on Demand.	
Network	GS-25875	In a call between two RealPresence Group systems in a UNIFY environment with IPV6, BFCP negotiation might fail if the call exceeds two and a half minutes.	
Network	GS-24166	After a failed registration attempt due to an invalid DNS, SIP registration may fail when you enter the correct DNS address.	Restart the RealPresence Group system before entering the correct DNS address.
Remote Control	GS-15678	These 6 buttons found on the HDX remote control do not function with a RealPresence Group system: <ul style="list-style-type: none"> <li>• Play</li> <li>• Stop</li> <li>• Pause</li> <li>• Record</li> <li>• Forward</li> <li>• Rewind</li> </ul>	Use the API button command.
Security	GS-21618	When SSH is disabled on the RealPresence Group system, connection is still allowed to enter username and password. This is not consistent with Telnet operation. Entering a password does give the correct Access Denied notification with SSH disabled.	
Setup Wizard	GS-13961	When running the setup wizard on a RealPresence Group system, a VGA component monitor is not detected automatically.	

Category	Issue ID	Description	Workaround
Setup Wizard	GS-8140	When enabling 802.1x authentication using the setup wizard, the only indication that invalid credentials were entered is that the RealPresence Group system has no IP address. Verify that the credentials you enter are correct.	
SIP	GS-11823	In some multipoint SIP calls, the RealPresence Group system might not display video.	Make sure H.239 (dual-stream content) is enabled.
SNMP	GS-24357	SNMP GET may not work when a RealPresence Group system is dynamically managed by RealPresence Resource Manager and the whitelist is set to "."	
Software Update	GS-25821	When the RealPresence Touch platform software is downgraded using a USB device or using the Polycom link, the downgraded software version is installed with the factory restore image.	
Software Update	GS-16450	The RealPresence Group 700 system with hardware version 7 supports software versions 4.1.3 and higher. However, if a previous version of software is installed using the factory restore method, the conference link no longer works.	Install software version 4.1.3 or higher.
Software Update	GS-10296	RealPresence Group system 300/500 users with software version 4.0.0, 4.0.0.1, or 4.0.1 cannot update to version 4.1.x using the web interface.	Use one of the following methods: -Update via USB device with the appropriate .tar and sw_keys.txt files. -Use the web interface to update to version 4.0.2, then update to version 4.1.x.
USB	GS-25071	If you have accessed content from a USB storage device while in MSM mode, and then start a new VisualBoard application session, you may sometimes see the content from the USB storage device from the previous session although the USB storage device is no longer connected.	
USB	GS-25054	When in MSM mode, the remote control may sometimes stop working when you attach and then disconnect a USB keyboard.	

Category	Issue ID	Description	Workaround
USB	GS-24467	Only one USB storage device can be connected to one host port on a RealPresence Group system, whether it is connected directly or through a hub.	
USB	GS-8186	The RealPresence Group 700 system only supports USB factory restore or downgrade from the front panel USB. Restoring or downgrading the system from the rear panel USB port is not supported.	Use the front panel USB port to perform a factory restore or downgrade.
User Interface	GS-28139	If the RealPresence Group system requests you reset an expired administrator password, and Reject Previous Passwords is set to 1 or more, when you enter the existing password using the touch user interface or a mouse, no error message displays requesting a new password. Use web interface or the RealPresence Group system remote to update the administrator password.	
User Interface	GS-25896	You may sometimes receive an error message about login failure when you try to connect to a RealPresence Group system with an administrator account and do not use the correct password.	
User Interface	GS-25894	You cannot update the Auto Answer Point-to-Point Video and Auto Answer Multipoint Video settings on the Polycom Touch Control web interface.	Use the RealPresence Group system web interface to update the Auto Answer Point-to-Point Video and Auto Answer Multipoint Video settings.
User Interface	GS-25816	Sometimes, a RealPresence Group system microphone may not display a green indicator when the system is in a multipoint call and the call is placed on hold or resumed.	
User Interface	GS-25740	When terminating a call, you may sometimes see the same user name twice in the participants list.	
User Interface	GS-25718	When you change the software update server address and then click the Cancel button on the Polycom Touch Control web interface, you may not always receive a response.	

Category	Issue ID	Description	Workaround
User Interface	GS-23862	If the monitor display is set to No Signal and the RealPresence Group system is set to go to sleep by pressing and holding the hangup button, and you manually put the system to sleep using the remote control, you will not see a notification that the system is going to sleep.	
User Interface	GS-23744	After completing the setup wizard, you might see the Hello screen flash with hear sound before the logon screen appears.	
User Interface	GS-23231	The layout screen on the local interface of RealPresence Group systems may take a few seconds to open during a call.	
User Interface	GS-22796	If a customized background picture is replaced with a default background, the customized background is displayed after the RealPresence Group system is restarted.	
User Interface	GS-22730	After terminating a call that used video mute, you might continue to see the video mute icon on the secondary monitors.	
User Interface	GS-22702	On a Lync client, you might see incorrect presence information.	
User Interface	GS-15307	If an admin password entry is added and then removed, the Admin Settings screen in the local interface displays the lock icon and prompts for credentials.	Enter a user name, but leave the password field empty.
User Interface	GS-14652	The Recent Calls list might show multiple entries for a failed call to a directory entry.	
Video	GS-25899	In a UNIFY environment, you may sometimes experience pixelated video on RealPresence Group systems when the RealPresence Group system acts as MCU.	
Video	GS-25738	If the RealPresence Group system participant in an internally hosted multipoint call switches between held calls, erratic video behavior may occur.	



Category	Issue ID	Description	Workaround
Video	GS-25694	In a UNIFY environment with a RealPresence Group system as MCU and a Polycom VVX phone is one of the participants, the RealPresence Group system may send black and white video.	
Video	GS-24574	If you terminated a just initiated call and promptly dialed another call, the far end system might not see the secondary and tertiary video from the near end system.	
Video	GS-24169	An EagleEye Producer with an EagleEye III camera and a RealPresence Group 300 or 500 system does not display video after running the setup wizard and changing NTSC to PAL in the RealPresence Group system user interface.	Disconnect and reconnect the EagleEye Producer HDCI cable.
Video	GS-22794	If the network cable is unplugged and the RealPresence Group system is rebooted, you may see black video for about 20 seconds while the RealPresence Group system looks for the network.	
Video	GS-22127	The video aspect ratio for a Polycom HDX system is different from the other participants when a Sony XG80 participates in a multipoint call hosted by a RealPresence Group system.	
Video	GS-22113	When people move around in the room, you may experience stuttering video.	On the web interface, go to <b>Admin Settings &gt; Network &gt; IP Network &gt; Network Quality</b> . Uncheck Automatically Adjust People/Content Bandwidth and set the Quality Preference to Both.
Video	GS-22112	Jagged diagonal lines might appear on the far end's center and right displays.	On the web interface, set the Power Frequency to match the regional setting. For example, for countries with power frequency 50, set the Power Frequency to 50. Go to <b>Admin Settings &gt; Audio/Video &gt; Video Inputs &gt; General Camera Settings &gt; Power Frequency</b>

Category	Issue ID	Description	Workaround
Web Interface	GS-27829	If you enter an incorrect system password, then change the <b>Lock Port After Failed Login</b> setting in the web interface, the system is locked out after the third password attempt, regardless of the setting value.	
Web Interface	GS-24975	The list of participants for a mixed endpoint call with an internal MCU may differ from the Hangup list.	
Web Interface	GS-24664	The RealPresence Group system Time Zones list does not include (GMT +5:30) Mumbai, New Delhi.	
Web Interface	GS-24432	If content is repeatedly started and stopped between multiple call participants, the call statistics may not accurately reflect the number of participants in the call.	
Web Interface	GS-21532	On the RealPresence Group Series web interface status page, the VisualBoard status is still shown as active after the monitor USB connection is removed from the system.	
Web Interface	GS-21182	When the RealPresence Group system is being remotely updated via the web interface, is connected to a low-bandwidth Internet connection, and using Internet Explorer 9, the system might experience upgrade issues.	When updating the RealPresence Group system remotely via the web interface on a low bandwidth connection, use Firefox or Chrome rather than Internet Explorer.
Web Interface	GS-21047	After the initial setup, the RealPresence Group Series system does not display the EagleEye Producer camera type on the system status page.	Close and reopen the RealPresence Group Series system status page.
Web Interface	GS-17048	When the RealPresence Mobile application is paired with a RealPresence Group system using SmartPairing, the web interface might not connect to the RealPresence Group system.	

This document includes known issues for RealPresence Group systems deployed in Avaya, Broadsoft, IBM, Siemens, Microsoft, and Cisco environments. For information about those environments, refer to the Polycom release notes for those solutions at [http://support.polycom.com/PolycomService/support/us/support/strategic\\_partner\\_solutions/index.html](http://support.polycom.com/PolycomService/support/us/support/strategic_partner_solutions/index.html).

## Other Known Issues

### Disabling HDCP on an Apple Computer

Due to a policy established by Apple Computer, Inc., you cannot disable the HDCP encryption service on the DVI or HDMI outputs of a computer that is manufactured by Apple Computer, Inc.

## Hardware and Software Requirements

### Integrating a Polycom SoundStation IP 7000 Conference Phone

To integrate a Polycom SoundStation IP 7000 conference phone with a RealPresence Group system, use the following software versions.

SoundStation IP 7000 Phone Software Version	RealPresence Group System Software Version
4.0.7 and Updater 5.0.5	4.3.0, 4.3.1, 4.3.2, 5.0.0, 5.0.1, 5.0.2, 5.1.0, 5.1.1
4.0.6 and Updater 5.0.x	4.2.0
4.0.4 and Updater 5.0.x	4.1.3, 4.1.3.2
4.0.4 and BootRom 5.0.1	4.1.1, 4.1.1.1
4.0.3F and BootRom 5.0.1	4.0.1, 4.0.2
4.0.2 Revision B and BootRom 5.0.1	4.0.0, 4.0.0.1

### Integrating Polycom Touch Devices

To integrate a RealPresence Touch or Polycom Touch Control with a RealPresence Group system, you must use a compatible software version.

#### Polycom RealPresence Touch

The RealPresence Touch, after pairing with RealPresence Group Series, 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 Group Series software. The RealPresence Touch operating system software version does not have to match the RealPresence Touch panel software version, however, Polycom recommends that you use the latest operating system software. For example, the RealPresence Touch with operating system software version 1.0.1 is compatible with RealPresence Touch panel software and RealPresence Group system software version 5.1.1. The RealPresence Touch operating system software can be updated through the administration pages on the RealPresence Touch or through the RealPresence Touch web interface.

#### Polycom Touch Control

The first three numbers of the Polycom Touch Control software version must match the first three numbers of the RealPresence Group Series software version. For example, Polycom Touch Control software version 4.1.1 is compatible with RealPresence Group Series software versions 4.1.1 and 4.1.1.1.

## Integrating EagleEye Producer

Updates to EagleEye Producer software are included with the RealPresence Group system software updates. To integrate your EagleEye Producer, connect it to the RealPresence Group system before you run a software update. The software update program detects the EagleEye Producer and updates it if necessary. No license number or key code is needed to update the EagleEye Producer.

EagleEye Producer must run a software version that is compatible with the software version on the RealPresence Group system to function properly. EagleEye Producer version 1.1.1 is compatible with version 5.0.0 and higher of RealPresence Group Series. For more information, refer to the current Polycom Supported Products matrix at Polycom Service Policies.



**Note:** Ensure you are running the latest RealPresence Group system software version 4.3.1 and EagleEye Producer software version 1.0.1.17 or higher when you use the latest EagleEye Producer hardware, version E. If you downgrade the RealPresence Group system software from version 4.3.1, EagleEye Producer software is automatically downgraded as well and you might experience issues with EagleEye Producer hardware version E and with your RealPresence Group system.

## 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.



**Note:** For more information about using Polycom RealPresence Group Systems as part of a Polycom-partner product solution, refer to the Polycom-partner product deployment guides available at [support.polycom.com](https://support.polycom.com).

## Products Tested in this Release

Polycom RealPresence Group Systems are tested extensively with a wide range of products. 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. For Polycom peripherals that are compatible with the RealPresence Group systems, refer to [Hardware and Software Compatibility](#).

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



**Note:** 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/support/us/support/service_policies.html) to see the Current Polycom Interoperability Matrix.

<b>Product</b>	<b>Interoperable Versions</b>
<b>Management Systems and Recorders</b>	
Polycom RSS™ 4000	8.5.3
Polycom® RealPresence® Access Director™	4.2.2
Polycom® RealPresence® Media Suite™	2.6.0
Polycom® RealPresence® Distributed Media Application™ 7000	6.3.1
Polycom® RealPresence® Resource Manager	9.0.1
<b>Gatekeeper, Gateways, External MCU, Bridges, Call Managers</b>	
Cisco® TelePresence® Video Communication Server (VCS)	X8.7
Codian 4505 MCU	4.5 (1.72)
Cisco 3241 Gateway	2.2 (1.106)
Cisco 5310 MCU	4.5 (1.72)
Cisco 8710 MCU	4.2 (4.18)
Polycom® RealPresence® Collaboration Server 1500	8.5
Polycom® RealPresence® Collaboration Server 1800/2000/4000	8.6.3.6
Polycom® RealPresence® Collaboration Server Gateway	8.6.3.6
Radvision® Scopia® 100 P10 Gateway	5.7.2.1.47
Radvision® ECS Gatekeeper	7.7.0.0.27
<b>Endpoints</b>	
Avaya Aura® Communication Manager	R016x.03.0.124.0
Avaya Aura® Session Manager	6.3.4.0.634014
Avaya Scopia XT5000	8.3.2.534
Avaya Scopia XT7000	8.3.2.225
Cisco E20	4.1.7
Cisco C20, C40	7.3.5
Cisco C90	7.3.5
Cisco EX90	7.3.5
Cisco SX10, SX20, SX80	8.0.1
Huawei TE40	1.10.100

## Release Notes

## Polycom RealPresence Group Series

Product	Interoperable Versions
Huawei TE30	1.2.100
LifeSize® SoftPhone	8.1.12
LifeSize® Express 220	5.0.9
LifeSize® Team 220	5.0.9
LifeSize® ICON 600	2.9.0
LifeSize® Passport	4.12.0
Polycom® HDX® Systems	3.1.10
Polycom Concierge Solution	Phase 1
Polycom® RealPresence® Debut™	1.1.0
Polycom® RealPresence® Mobile Android	3.5.1
Polycom RealPresence® Mobile IOS	3.5.1
Polycom® RealPresence® Desktop for Windows®	3.5.1
Polycom® RealPresence® Desktop for Mac®	3.5.1
Polycom® Immersive Telepresence (ITP) Series	3.1.7
Polycom® RealPresence Immersive Studio™	5.1.1
Polycom® RealPresence® OTX® Studio	5.1.1
Polycom® SoundPoint® IP 650	4.0.7
Polycom® SoundStation® IP 7000	4.0.9
Polycom® VVX® 300/400/500/600/1500	5.4.3
Radvision Scopia XT1000	2.5.416
Sony PCS-1	3.42
Sony PCS-G50	2.72
Sony PCS-TL50	2.42
Sony PCS-XG80	2.45
Sony PCS-XG100	1.50.20
TANDBERG 1700 MXP	F9.4
TANDBERG Edge95 MXP	F9.4
TANDBERG T150	L6.1

Product	Interoperable Versions
<b>Peripherals</b>	
Polycom EagleEye Producer	1.1.1
Polycom EagleEye Director	2.2
Polycom® RealPresence Touch™	5.1.1 Panel software 1.2.0 Operating System software
Polycom® Touch Control	5.1.1

## Cisco and TIP Interoperability

The RealPresence Group systems support interoperability with the following Cisco equipment and TIP protocols:

- Cisco TelePresence System 1.10.10 interoperability (People video 1080p resolution at 30 Hz; content frame rate for XGA at 5 fps)
- Cisco TelePresence System next generation interoperability with TIP Version 7
- Cisco TelePresence Multipoint Switch 1.9.1 interoperability
- Cisco TelePresence TX9000 Series System 6.1.7
- Cisco TelePresence Server 4.1(1.79)

The following features are not supported in this release:

- Media encryption through Datagram Transport Layer Security (DTLS) or Standard SRTP (SDS)
- Secure registration to Cisco Unified Communications Manager.

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San Jose, CA 95002  
USA

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