

# Polycom® RealPresence® Immersive Telepresence (ITP), Version 6.1.7.1

Polycom announces a new release of Polycom RealPresence Immersive Studio, Polycom RealPresence OTX Studio, and Polycom® RealPresence Immersive Studio® Flex system software. This document provides the latest information about the following Polycom software:

- Version 6.1.7.1 of the Polycom RealPresence Immersive Studio system software
- Version 6.1.7.1 of the Polycom RealPresence OTX Studio system software
- Version 6.1.7.1 of the Polycom RealPresence Immersive Studio Flex system software
- Version 6.1.7.1 of the Polycom® RealPresence Touch™ Panel software
- Version 2.1.7.1 of the Polycom RealPresence Touch Operating System software

## Contents

<b>Security Updates</b> .....	<b>2</b>
<b>Install</b> .....	<b>2</b>
<b>Version History</b> .....	<b>3</b>
<b>Resolved Issues</b> .....	<b>6</b>
<b>Known Issues</b> .....	<b>6</b>
<b>Limitations</b> .....	<b>8</b>
<b>Interoperability</b> .....	<b>9</b>
<b>Get Help</b> .....	<b>11</b>
<b>Copyright Information</b> .....	<b>12</b>

## ***Polycom RealPresence Immersive Studio Flex***

The RealPresence Immersive Studio Flex system is an immersive telepresence solution for mid-size rooms that seats up to six participants. Key features include:

- High-quality 1080p60 video performance on 65” UltraHD displays, with a dedicated 55” 1080p content display.
- Polycom 3D Voice that delivers extremely clear pinpoint audio which comes directly from the person speaking.
- The flexibility to purchase just the media wall for rooms with existing furniture or unique applications.

Administrators configure the system through the system’s web interface. Users access calling functions through familiar operations on the RealPresence Touch.

For more information about setting up and using the RealPresence Immersive Studio Flex system, refer to the documents on the product pages at [Polycom Support](#).

## ***Polycom RealPresence Immersive Studio***

The Polycom RealPresence Immersive Studio system is a high-end immersive telepresence solution that provides the best user experience in high-quality video and sound.

The Polycom RealPresence Immersive Studio experience offers exceptional clarity and realism, including:

- High-quality, 1080p60 video performance with exceptional sharpness and brightness across greater than 100° on ultra-high-definition displays.
- Polycom® 3D Voice™ that delivers extremely clear pinpoint audio which comes directly from the person speaking.
- 1080p60 resolution for any type of content, including video and live animation.

Administrators configure the system through the system's web interface. Users access calling functions through familiar operations on the RealPresence Touch.

For more information about setting up and using the RealPresence Immersive Studio system, refer to the documents on the product pages at [Polycom Support](#).



Every time you power on a RealPresence Immersive Studio 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.

## ***Polycom RealPresence OTX Studio***

The Polycom RealPresence OTX Studio system is a high-end immersive telepresence solution that provides the best user experience in high-quality video and sound.

The Polycom RealPresence OTX Studio experience offers exceptional clarity and realism, including:

- 1080p60 HD video and content with exceptional sharpness and brightness.
- Polycom 3D Voice that delivers extremely clear pinpoint audio which comes directly from the person speaking.

Administrators configure the system through the system's web interface. Users access calling functions through familiar operations on the RealPresence Touch.

For more information about setting up and using the RealPresence OTX Studio system, refer to the documents on the product pages at [Polycom Support](#).

## **Security Updates**

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

## Install

Procedures for installing and updating Polycom RealPresence Group System software vary. With your license key, you can update directly from RealPresence Group Series software version 4.0.2.2 to 4.1.4. When updating the RealPresence Group system software to version 4.1.x or later, make sure you are currently running version 4.0.2.2 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 Software and Options for the Polycom RealPresence Group Series and Accessories Installation Guide at [support.polycom.com](http://support.polycom.com)

## RealPresence Touch Configuration

Perform the RealPresence Touch configuration according to the instructions in the *Polycom RealPresence ITP Administrator Guide* and the installation guide for your RealPresence ITP product.



Avoid changing the settings that are not listed in the guides.

## Version History

The following table lists the release history of Polycom RealPresence Immersive Studio, Polycom RealPresence OTX Studio, and Polycom RealPresence Immersive Studio Flex systems.

### Polycom RealPresence Immersive Studio Flex Software

Software Version	Release Date	Description
6.1.7.1	October	Includes minor updates and resolved issues.
6.1.7	June 2018	Includes minor updates and resolved issues.
6.1.6.1	May 2018	Includes minor updates and resolved issues.
6.1.5	February 2018	Includes minor updates and resolved issues.
6.1.4	November 2017	Includes a change to the user interface for the audio speaker choice. Also includes minor updates.
6.1.3	September 2017	Includes escalation fixes for customer support.
6.1.2.1	August 2017	Includes software enhancements for future hardware revision compatibility.
6.1.2	July 2017	Includes minor updates and resolved issues.
6.1.1	April 2017	Includes minor updates and resolved issues.

**Polycom RealPresence Immersive Studio Flex Software**

Software Version	Release Date	Description
6.1.0	March 2017	Includes support for RealPresence Immersive Studio Flex.
6.0.2	February 2017	Initial release.

**Polycom RealPresence Immersive Studio Software**

Software Version	Release Date	Description
6.1.7.1	October	Includes minor updates and resolved issues.
6.1.7	June 2018	Includes minor updates and resolved issues.
6.1.6.1	May 2018	Includes minor updates and resolved issues.
6.1.5	February 2018	Includes minor updates and resolved issues.
6.1.4	November 2017	Includes a change to the user interface for the audio speaker choice. Also includes minor updates.
6.1.3	September 2017	Includes escalation fixes for customer support.
6.1.2.1	August 2017	Includes software enhancements for future hardware revision compatibility.
6.1.2	July 2017	Includes minor updates and resolved issues.
6.1.1	April 2017	Includes minor updates and resolved issues.
6.1.0	February 2017	Includes support for SNMP and enhanced Help Desk.
6.0.1	November 2016	Includes minor updates and corrected issues.
6.0.0	September 2016	Includes support for audio participant add-on, custom wallpaper, document camera, concierge and corrected issues.
5.1.2	June 2016	Includes minor updates and corrected issues.
5.1.1	April 2016	Includes minor updates and corrected issues.
5.1.0	February 2016	Includes minor updates and corrected issues.
5.0.2	January 2016	Includes minor updates and corrected issues.
5.0.1	November 2015	Includes minor updates and corrected issues.
5.0.0	September 2015	Includes support for Microsoft® Office 365™ calendaring, incorporates first release of the Polycom® RealPresence® Touch™ device, adds support for viewing content from Microsoft Lync desktop clients, includes enhancements to security for SIP applications, adds native support for RealConnect feature, adds support for 3.5mm audio input with HDMI content, and OpenSSL
4.3.2	August 2015	Includes minor updates and corrected issues.

**Polycom RealPresence Immersive Studio Software**

Software Version	Release Date	Description
4.3.1	June 2015	Includes minor updates and corrected issues.
4.3.0	March 2015	Includes minor updates and corrected issues.
4.2.0	December 2014	Includes support for Polycom 70" Touch Digital Display optimized for use with VisualBoard™ applications, call hold and resume, remote manageability enhancements, RealPresence® Mobile SmartPairing™, RealPresence® Access Director™ interoperability.
4.1.3.2	April 2014	Correction for the Heartbleed OpenSSL Security Vulnerability in third-party software.
4.1.3	February 2014	Adds support for Polycom® SmartPairing™. Provides minor fixed issues and software optimization.
4.1.2	December 2013	Initial release.

**Polycom RealPresence OTX Studio Software**

Software Version	Release Date	Description
6.1.7.1	October	Includes minor updates and resolved issues.
6.1.7	June 2018	Includes minor updates and resolved issues.
6.1.6.1	May 2018	Includes minor updates and resolved issues.
6.1.5	February 2018	Includes minor updates and resolved issues.
6.1.4	November 2017	Includes a change to the user interface for the audio speaker choice. Also includes minor updates.
6.1.3	September 2017	Includes escalation fixes for customer support.
6.1.2.1	August 2017	Includes software enhancements for future hardware revision compatibility.
6.1.2	July 2017	Includes minor updates.
6.1.1	April 2017	Includes minor updates and corrected issues.
6.1.0	February 2017	Includes support for SNMP and enhanced Help Desk.
6.0.1	November 2016	Includes minor updates and corrected issues.
6.0.0	September 2016	Includes support for audio participant add-on, custom wallpaper, document camera, concierge and corrected issues.
5.1.2	June 2016	Includes minor updates and corrected issues.
5.1.1	April 2016	Includes minor updates and corrected issues.
5.1.0	February 2016	Includes minor updates and corrected issues.

**Polycom RealPresence OTX Studio Software**

Software Version	Release Date	Description
5.0.2	January 2016	Includes minor updates and corrected issues.
5.0.1	November 2015	Includes minor updates and corrected issues.
5.0.0	September 2015	Initial release.

## Resolved Issues

The following table lists issues resolved in this version 6.1.7.1 release.

**Resolved Issues**

Category	Issue ID	Description
Calling	VIDESC-17953	RealPresence Touch device reboots when contacts are searched from RealPresence Touch panel.
Calling	EN-80799	When Immersive Telepresence systems paired with RealPresence Touch joins a Point to Point (P2P) call, the RealPresence Touch went to sleep until awakened by the end user.
Provisioning	EN-89585	Occasionally, the secondary codecs of Immersive Telepresence systems are crashing when provisioned.

## Known Issues

The following table lists known issues for the version 6.1.7.1 release.

**Known Issues**

Category	Issue ID	Description	Workaround
Audio	GS-19769	Calls between RealPresence Immersive Studio and Cisco CTS room systems may experience issues with spatial audio on the CTS side where the left and right speakers are slightly louder than the center speaker.	No workaround.
Calling	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 the two systems.	Register to DMA trunked to CUCM.

**Known Issues**

Category	Issue ID	Description	Workaround
Camera	GS-13182	Before attaching, disconnecting, or otherwise modifying the cabling to a camera system, you must physically disconnect the DC power supply for the right and left codecs. It is not sufficient to simply "turn off" the systems because power to the camera system is maintained due to other system requirements.	Polycom recommends that you disconnect the AC supply cable to turn off the primary codec power instead of using the front switch.  You might experience improper camera operation if you ignore these instructions.
Content	GS-23968	In an RMX call, if you switched content from PPCIP to Visual Board, content may not have launched in the first try.	Relaunch VisualBoard to show content.
Hardware	GS-15698	If you are out of a call and <b>Self View</b> is enabled, the system goes to sleep according to the sleep timer setting. The default setting is 3 minutes.	Change the sleep timer settings. Polycom recommends that you do not turn off the sleep timer.
Installation	EN-24249	Performing a platform software downgrade using a USB storage device might cause the RealPresence Touch device to stop the downgrade process and restart.	Do not use a USB storage device. Instead, perform a downgrade using RealPresence Resource Manager and an HTTP server.
Interoperability Microsoft	GS-12982	When a Polycom® 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 <b>Settings &gt; System Information &gt; Call Statistics</b> screen might be incorrect.	No workaround.
Interoperability Microsoft	GS-18630	RealPresence Group systems currently do not support Lync mobility clients.	No workaround.
Provisioning	GS-19239	While in a TIP call, the bandwidth reported by the Primary codec is an aggregate of all three codecs and not only the Primary codec.	No workaround.
User Interface	GS-16887	On Immersive Telepresence systems, closed caption text is only displayed on the main monitor and the text may be partially blocked by the camera.	No workaround.
User Interface	GS-22702	On a Lync client, you might see incorrect presence information.	No workaround.

**Known Issues**

Category	Issue ID	Description	Workaround
User Interface	EN-11236	On RealPresence Touch devices, the Help Desk number might display as a regular PSTN call on the participant list.	No workaround.
User Interface	EN-19843	If you are logged out of the RealPresence Touch web interface, the device screen might not refresh automatically and might continue to display the same screen and the login dialog.	No workaround.
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.	No workaround.
User Interface	EN-73308	When the custom wallpaper is uploaded on the Polycom Immersive Studio Flex and RealPresence OTX Studio, the TV user interface flickers.	When the system goes to sleep and wakes up the flickering is stopped automatically.
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.	No workaround.
Video	EN-58359	When user joins a Point to Point (P2P) SIP call from Immersive Telepresence system, video mute screen appears for 2-3 seconds.	No workaround.
Security	EN-89681	In an ongoing video call, the display on the RealPresence Immersive Telepresence system will not wake from the sleep mode due to network communication disruption between the RealPresence ITP system and the Moxa® NPort switch.	All of the studios electronics needs to be "trusted" in their environment.

## Limitations

The following sections include limitations with the RealPresence Immersive Studio, RealPresence Immersive Studio Flex and RealPresence OTX Studio systems.

### *Audio*

- 3-channel audio is supported only for point-to-point calls.



- 3-channel audio does not support LPR (Lost Packet Recovery) in high loss networks.

## ***Polycom RealPresence Experience***

Polycom recommends using a bridge when connecting the Polycom RealPresence Experience (RPX™) systems:

- Four-screen Polycom RealPresence Experience (RPX™) Series system to the RealPresence Immersive Studio and RealPresence OTX Studio systems. Using a bridge delivers the best immersive continuous room layout. If you connect a four-screen RPX system to a RealPresence Immersive Studio or RealPresence OTX Studio system without using a bridge, the connection adjusts for the different aspect ratios by dropping the video from the fourth RPX system codec and displaying black bars around the 4:3 aspect ratio RPX system video feeds.
- Two-screen Polycom RealPresence Experience (RPX™) Series system or standalone endpoint to the RealPresence Immersive Studio system. Using a bridge delivers the best immersive continuous room layout. If you connect an RPX two-screen system to a RealPresence Immersive Studio system without using a bridge, the Immersive Studio system sends only the center and left sections video (for two-screen RPX systems) or center section video (for standalone systems), not the whole room.

## **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.



Polycom recommends the use of Polycom® RealConnect™ for Office 365 to better handle the layouts for both RealPresence ITP rooms and Skype for Business. Registering a RealPresence ITP system directly to Skype for Business on-premises or Skype for Business on-line may result in inconsistent layouts and should be avoided.

## ***Products Tested in This Release***

Polycom RealPresence Immersive Studio, RealPresence Immersive Studio Flex, and RealPresence OTX Studio 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.

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.

<b>Product</b>	<b>Interoperable Versions</b>
<b>Management Systems and Recorders</b>	
Polycom® RealPresence® Distributed Media Application™ 7000	6.4.1.1
Polycom® RealPresence® Resource Manager	10.1.0
Polycom® RealPresence® Access Director™	4.2.4
<b>Gatekeeper, Gateways, External MCU, Bridges, Call Managers</b>	
Polycom® RealPresence® Collaboration Server 1800/4000	8.7.4
Polycom® Multipoint Layout Application	3.1.6.3
<b>Endpoints</b>	
Polycom® RealPresence® OTX® Studio	6.1.6
Polycom® RealPresence Immersive Studio®	6.1.6
Polycom® RealPresence Immersive Studio® Flex	6.1.6
Polycom® HDX® Systems	3.1.11
Polycom® Immersive Telepresence (ITP) Series	3.1.4
Polycom® RealPresence® Group Series	6.1.6
Polycom® RealPresence® Mobile	3.8.0
Polycom® RealPresence® Desktop for Mac®	3.8.0
Polycom® RealPresence® Desktop for Windows®	3.8.0
Polycom® SoundPoint® IP 650	4.0.7
Polycom® SoundStation® IP 7000	4.0.9
Polycom® SoundStructure®	1.7.5
<b>Peripherals</b>	
Polycom® People+Content™ IP	1.4.2
Polycom® RealPresence Touch™	6.1.6 Panel software 2.1.6 Operating System software
VisualBoard Application	4.1.3 software version and later

## Get Help

For more information about installing, configuring, and administering Polycom products, refer to Documents and Downloads at [Polycom Support](#).

To find all Polycom partner solutions, see [Polycom Global Strategic Partner Solutions](#).

## *The Polycom Community*

The [Polycom Community](#) gives you access to the latest developer and support information. Participate in discussion forums to share ideas and solve problems with your colleagues. To register with the Polycom Community, create a Polycom online account. When logged in, you can access Polycom support personnel and participate in developer and support forums to find the latest information on hardware, software, and partner solutions topics.

# Copyright Information

Copyright© 2018, Polycom, Inc. All rights reserved. No part of this document may be reproduced, translated into another language or format, or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Polycom, Inc.

6001 America Center Drive  
San Jose, CA 95002  
USA

**Trademarks** Polycom®, the Polycom logo and the names and marks associated with Polycom products are trademarks and/or service marks of Polycom, Inc. and are registered and/or common law marks in the United States and various other countries.



All other trademarks are property of their respective owners. No portion hereof may be reproduced or transmitted in any form or by any means, for any purpose other than the recipient's personal use, without the express written permission of Polycom.

**Disclaimer** While Polycom uses reasonable efforts to include accurate and up-to-date information in this document, Polycom makes no warranties or representations as to its accuracy. Polycom assumes no liability or responsibility for any typographical or other errors or omissions in the content of this document.

**Limitation of Liability** Polycom and/or its respective suppliers make no representations about the suitability of the information contained in this document for any purpose. Information is provided "as is" without warranty of any kind and is subject to change without notice. The entire risk arising out of its use remains with the recipient. In no event shall Polycom and/or its respective suppliers be liable for any direct, consequential, incidental, special, punitive or other damages whatsoever (including without limitation, damages for loss of business profits, business interruption, or loss of business information), even if Polycom has been advised of the possibility of such damages.

**End User License Agreement** BY USING THIS PRODUCT, YOU ARE AGREEING TO THE TERMS OF THE END USER LICENSE AGREEMENT (EULA) AT: <http://documents.polycom.com/indexes/licenses>. IF YOU DO NOT AGREE TO THE TERMS OF THE EULA, DO NOT USE THE PRODUCT, AND YOU MAY RETURN IT IN THE ORIGINAL PACKAGING TO THE SELLER FROM WHOM YOU PURCHASED THE PRODUCT.

**Patent Information** The accompanying product may be protected by one or more U.S. and foreign patents and/or pending patent applications held by Polycom, Inc.

**Open Source Software Used in this Product** This product may contain open source software. You may receive the open source software from Polycom up to three (3) years after the distribution date of the applicable product or software at a charge not greater than the cost to Polycom of shipping or distributing the software to you. To receive software information, as well as the open source software code used in this product, contact Polycom by email at [OpenSourceVideo@polycom.com](mailto:OpenSourceVideo@polycom.com).

**Customer Feedback** We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to [DocumentationFeedback@polycom.com](mailto:DocumentationFeedback@polycom.com).

**Polycom Support** Visit the [Polycom Support Center](#) for End User License Agreements, software downloads, product documents, product licenses, troubleshooting tips, service requests, and more.