



Poly Trio VisualPro

Poly announces the new release of Poly Trio VisualPro software.



Use software version 6.2.2.1 when pairing Poly Trio VisualPro or Polycom RealPresence Group 310 and 500 systems with Poly Trio 8500 and 8800 systems running software 5.7.2AB or later. (Your RealPresence Group Series system must also be hardware version 20 or later.)

This document provides the latest information on the following Poly software:

- Poly Trio VisualPro version 6.2.2.1
- Polycom EagleEye Director II camera version 2.2.0
- Polycom EagleEye Director version 2.2
- Polycom EagleEye Producer version 1.2.2
- Polycom EagleEye Cube HDCI camera version 1.1.0

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What's New

This release includes escalation fixes for customer support and addresses a security issue.

Polycom Labs Experimental Features

Polycom releases some experimental features during a release that you can enable and evaluate in non-production environments.

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

The following experimental features are available in this release:

- VisualBoard advanced features
- Incoming NoiseBlock
- Acoustic Fence with Beam Shaping
- Auto Awake for the Polycom EagleEye Producer camera
- Content Stretch
- Stamping log files

For more information about experimental features or to provide feedback on your experience, visit the [Polycom Community](#).

Enable Experimental Features

You can enable experimental features and evaluate them in a non-production environment.

To enable experimental features:

1. In the system web interface, go to **Admin Settings > General Settings > System Settings > Polycom Labs**.
2. Select the **Enable Polycom Labs Features** check box.

VisualBoard Advanced Features

You can enable the following experimental features for VisualBoard:

- **Enable PowerPoint Slide Conversion:** Share 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 NoiseBlock

When you enable the Incoming NoiseBlock feature, the RealPresence Group Series 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.



If you enable Incoming NoiseBlock on a RealPresence Group 310 or 500 system and connect a computer to the RealPresence Group Series system HDMI input port as the content source, the audio from the HDMI input may fade in and out at the local end.

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 microphone, or a single EagleEye Acoustic camera forms the beam using signal processing on the microphones contained in the unit.

For additional information configuration information for Acoustic Fence with Beam Shaping Technology, see the *Polycom Acoustic Fence and Acoustic Fence with Beam Shaping Technology Technical Bulletin*.



You can't enable Acoustic Fence with Beam Shaping and Acoustic Fence Technology features at the same time. To disable Acoustic Fence, go to **Admin Settings > Audio/Video > Audio > General Audio Settings** in the system web interface and clear **Enable Acoustic Fence**.

The Acoustic Fence with Beam Shaping feature also includes Beam Mode. The default setting is automatic steering beam, which automatically steers the beam to the meeting participant who is talking. You can also set Beam Mode to a fixed beam, which only picks up audio within a set beam.

To enable and configure Acoustic Fence with Beam Shaping:

- 1 In the system web interface, go to **Admin Settings > General Settings > System Settings > Polycom Labs**.
- 2 Under Acoustic Fence with Beam Shaping, select **Enable Acoustic Fence with Beam Shaping**.
- 3 Select a bold and save your settings.

Auto Awake for the Polycom EagleEye Producer Camera

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

Content Stretch

This feature allows RealPresence Group Series systems to stretch the content to fit the monitor. When you enable this feature, the content displays full screen without black bars, even if the receiving content aspect ratio isn't 16:9.

Stamping Log Files

This feature helps you in troubleshooting an issue by adding a log stamp whenever a system issue occurs. A log stamp is a numerical value that starts with 1 and increments each time you activate the feature. The log stamp value automatically restarts at number 1 when the system restarts.

When you encounter a system issue, you can add a log stamp from the RealPresence Group Series system local interface or web interface or from a RealPresence Touch that is paired with a RealPresence Group Series system.

Add a Log Stamp from the Local Interface

You can add a log stamp from the RealPresence Group Series local interface.

To add a log stamp from the RealPresence Group Series local interface:

- 1 Go to **Settings > System Information > Diagnostics > Log Stamp**.
- 2 Click **Log Stamp**.

Add a Log Stamp from the System Web Interface

You can add a log stamp from the RealPresence Group Series system web interface.

To add a log stamp from the RealPresence Group Series system web interface:

- 1 Go to **Diagnostics > System > Logs > Log Stamp**.
- 2 Click **Log Stamp**.

Add a Log Stamp from the RealPresence Touch Interface

You can add a log stamp from the RealPresence Touch interface.

To add a log stamp from the RealPresence Touch interface:

- 1 Go to **Settings > System Information > Log Stamp**.
- 2 Tap **Log Stamp**.

Security Updates

Issue ID EN-144270 in this release provides resolutions for two issues (CVE-2019-11477 and CVE-2019-11478) related to the Selective Acknowledgement (SACK) packets combined with Maximum Segment Size (MSS) and a third issue (CVE-2019-11479) related solely with the MSS.

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

Software Installation and Upgrades

You have two options for installing Trio VisualPro software 6.2.2.1.

- Download the 6.2.2.1 software from the Poly Trio 8800 or Poly Trio 8500 page at [Polycom Support](#).

- In the Trio VisualPro or RealPresence Group Series system web interface, go to **Admin Setting > General Settings > Software Updates > Software Server** and enter the following URL:
<https://downloads.polycom.com/video/trio-integration>.

Hardware and Software Requirements

The following sections list the supported hardware and software versions when integrating accessories and peripherals with Trio Visual Pro and RealPresence Group Series systems.

Integrating a Poly Trio system

To integrate a Poly Trio system with a Trio VisualPro system, use the following software versions:

Poly Trio Supported Software Versions

<i>Trio VisualPro Software Version</i>	<i>Poly Trio Software Version</i>
6.2.2.1	5.9.2AA or later
6.2.2	5.9.1AA or later
6.2.1.2	5.9.0AA or later
6.2.1.1	5.9.0AA or later
6.2.1	5.9.0AA or later
6.2.0.2	5.8.2AC or later
6.2.0.1	5.8.0AA or later
6.2.0	5.7.2AB or later
6.1.10	5.7.2AB or later

Version History

This following table lists the release history of Poly Trio VisualPro software.

Version History

<i>Software Version</i>	<i>Release Date</i>	<i>Description</i>
6.2.2.1	January 2020	Includes escalation fixes for customer support and addresses a security issue.
6.2.2	September 2019	Support for Artifact Tolerance on Trio VisualPro to display content, support for EagleEye Cube HDCI camera frame speaker, software update for EagleEye Director II camera.
6.2.1.2	August 2019	Includes minor updates and resolved issues.

<i>Software Version</i>	<i>Release Date</i>	<i>Description</i>
6.2.1.1	June 2019	Includes minor updates and resolved issues.
6.2.1	May 2019	Includes upgrading Polycom Trio VisualPro software, daisy-chaining microphones for Polycom Trio VisualPro, enable content display in dual monitors.
6.2.0	December 2018	This release includes important field fixes.
6.1.10	November 2018	Includes the ability to use Polycom Trio system and paired Trio VisualPro or RealPresence Group Series system microphones simultaneously. Also, you can hear audio from content shared through an HDMI connection.
6.1.9	October 2018	Includes support for the Polycom Trio VisualPro system. Also, the RealPresence Group Series system automatically prioritizes the voice VLAN when you enable LLDP so you can successfully pair it with a Polycom Trio system.
6.1.8	September 2018	Includes integration between RealPresence Group 310 and 500 systems and Polycom Trio 8500 and 8800 systems. The location of the Skype Mode setting in the RealPresence Group Series system web interface has changed to the following page: Admin Settings > General Settings > System Mode .

Language Support

The Trio VisualPro and RealPresence Group Series system web and local user interfaces provide support for the following languages:

- Arabic
- Chinese (Simplified)
- Chinese (Traditional)
- British English
- American English
- French
- German
- Hungarian
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese (Brazilian)
- Russian
- Spanish

Resolved Issues

The following table lists the resolved issues for the Poly Trio VisualPro 6.2.2.1 software release.

Resolved Issues

<i>Category</i>	<i>Issue ID</i>	<i>Description</i>
Audio	EN-111245	You won't hear audio if you select TV speakers on the Poly Trio system menu and don't have microphones connected to the paired Trio VisualPro or RealPresence Group Series System.
Audio	EN-114971	Using the extended microphone on a SoundStation IP 7000 connected to a RealPresence Group Series system may cause a random failure that requires a reboot to recover.
Call Management	EN-143121	In RealPresence Group Series systems comprised of multiple units, some units occasionally can't place H.323 calls until they are rebooted.
Call Management	EN-145758	While attempting to initiate a SIP call, a RealPresence Group Series system may occasionally shut down.
Call Management	EN-148897	On a RealPresence Group Series system, the remote control can't generate DTMF tones when content is active.
Calling	EN-140010	SIP calls from WebEx may fail to connect on a RealPresence Group Series system when BFCP Transport Preference is set to Prefer TCP .
Configuration	EN-148114	On a Trio system with VisualPro, the system may reboot occasionally.
Configuration	EN-149840	On a Trio system with VisualPro, when the system and host name are configured using VisualPro instead of the Trio device, the system and host name are not retained after a reboot.
Device Management	EN-142745	Remotely managed RealPresence Group Series systems may lock up or otherwise become unresponsive. You must hardware reboot them to restore the systems to normal operation.
Peripherals	EN-145172	When a secondary USB touchscreen monitor is attached to a RealPresence Group Series system during startup, touchscreen functionality may be unavailable.
User Interface	EN-149511	VisualPro may place an overlay of call information on the screen, which blocks some screen content and remote images.
Video	EN-132443	Video switching in Skype for Business calls on a RealPresence Group Series system may intermittently display frozen or black video.
Video	EN-137430	In an SVC or H.264 call with MRC Bandwidth Allocation (MBA) enabled, a RealPresence Group Series system may display frozen video from the active presenter.
Video	EN-153404	In an SVC call, a RealPresence Group Series system may occasionally see pixelated or black video.

Known Issues

The following table lists the known issues for the Poly Trio VisualPro 6.2.2.1 software release. If a workaround is available, it is noted in the table.



These release notes do not provide a complete listing of all known issues that are included in the software. Issues not expected to significantly impact customers with standard voice and video conferencing environments may not be included. In addition, the information in these release notes is provided as-is at the time of release and is subject to change without notice.

Known Issues

<i>Category</i>	<i>Issue ID</i>	<i>Description</i>	<i>Workaround</i>
Audio	EN-111324	During a call, the mute status of your paired Poly Trio system may change if you disconnect or connect a Polycom Microphone Array.	Press the mute button on your Poly Trio system to get back to the audio state you want.
Calling	EN-154899	A Poly Trio connected to a Poly Trio VisualPro system goes in a boot loop when joining Skype for Business call, when the connecting call has a room name starting with the % symbol.	No workaround.
Calling	EN-158372	During a Zoom call, video freezes or produces artifacts during a minimal packet loss scenario.	No workaround.
Configuration	EN-111215	You cannot wake a Trio VisualPro or RealPresence Group Series system that's in Poly Trio Mode but not yet paired after it goes to sleep.	Factory restore the Trio VisualPro or RealPresence Group Series system. Then, complete the out-of-box process and pair it with your Poly Trio system.
Hardware	EN-145137	When your Trio VisualPro system is paired with a Polycom Trio system, you may see a blue screen instead of self view if you're using an EagleEye Acoustic camera.	Reconnect the camera.
Interoperability	EN-105966	After a software upgrade or downgrade, the Poly Trio system diagnostics may still show the previous version that was running on the paired Trio VisualPro or RealPresence Group Series system.	Restart the Poly Trio system (both systems reboot).
Interoperability	EN-106010	If you connect a new Polycom camera to a Trio VisualPro or RealPresence Group Series system while the paired system is on, your Poly Trio system doesn't detect the camera.	Restart the Poly Trio system (both systems reboot).

<i>Category</i>	<i>Issue ID</i>	<i>Description</i>	<i>Workaround</i>
Interoperability	EN-109039	To make a call between a RealPresence Group Series system and VVX business media phones, set the packetization mode to Default in VVX phone.	No workaround.
Peripherals	EN-93073	When a Trio VisualPro or RealPresence Group Series system is paired with a Poly Trio system, the camera fails to detect after you disconnect and reconnect the camera.	Restart the Trio VisualPro or RealPresence Group Series system with the camera attached.
Peripherals	EN-154615	Poly Trio VisualPro systems fail to automatically detect the time zone from a connected Poly Trio 8800 system.	No workaround.
Video	EN-92998	In a point-to-point call using a paired Trio VisualPro or RealPresence Group Series system, when an audio call is changed to a video call or vice versa, the video fails to display for one of the participants.	Reconnect the camera.
Video	EN-97283	In point-to-point Skype for Business calls above 2 Mbps, the paired Trio VisualPro or RealPresence Group Series systems displays pixelated video.	Place Skype for Business-related calls with a bandwidth lower than 2 Mbps.

Limitations

The following are lists of limitations to features and functionalities in this release.

3.5mm Audio Input

Connecting a microphone to the 3.5mm input on your paired Trio VisualPro or RealPresence Group Series systems work only if you do the following:

- Select TV speakers on your Poly Trio system phone menu or set `up.audio.networkedDevicePlayOut="TVOnly"`.
- Connect Polycom tabletop and/or ceiling microphones to your paired video and content system.

Sharing Content Using Polycom Content App or Polycom People+Content IP

The following limitations are present when sharing content to your paired Poly Trio system using the Polycom Content App or Polycom People+Content IP:

- Neither of these content-sharing technologies works during a Skype for Business call (though you can share when the Poly Trio system isn't in a call).
- You can't hear audio from the shared content.

Sharing Content Using AirPlay- and Miracast-Certified Devices

When paired with a Trio VisualPro or RealPresence Group Series system, sharing content to the Poly Trio system with an AirPlay- or Miracast-certified device isn't supported.

Sharing Content Using Video-based Screen Sharing

In Skype for Business environments, you can send content using Video-based Screen Sharing (VbSS) only from a device connected to the paired Trio VisualPro or RealPresence Group Series systems with an HDMI cable.

Sharing Content Using Skype for Business Clients

Your content may display smaller than you expect when sharing from a Skype for Business client on a device connected to your paired Trio VisualPro or RealPresence Group Series system. This typically occurs when sharing a specific application instead of your desktop or using dual monitors.

The content should display as expected when you share your desktop or use a single monitor.

Sharing Content Using a VGA Connection

You may notice display issues when sharing content from a VGA-connected device using resolution that isn't 1920 x 1080.

People as Second Video Input

Configuring the second video input on your Trio VisualPro or RealPresence Group Series system to **People** isn't supported; only the **Content** option works.

Single-Monitor Setup

You may encounter display issues if your Trio VisualPro or RealPresence Group Series system is connected to only one monitor.

To avoid these issues, log in to your Trio VisualPro or RealPresence Group Series system web interface and go to **Admin Settings > Audio/Video/Content > Monitors**. Make sure that the **Monitor 2 Enable** setting is **Off**.

Paired RealPresence Group Series Behavior changes

When your RealPresence Group Series system is paired with a Poly Trio system, you may notice some changes to what you experience when the system isn't in Poly Trio Mode.

The following features and peripherals are unavailable when paired:

- Local interface, remote control, touch-monitor capabilities, and the Polycom RealPresence Touch device. (The Poly Trio system controls what you see on the monitor[s].)
- H.323 calls
- Polycom SoundStructure
- Polycom VisualBoard
- Polycom Acoustic Fence
- Integrator API commands
- Extensive monitor layouts
- RS-232 serial port
- Calendar configuration (done instead through the Poly Trio system)
- Directory configuration (done instead through the Poly Trio 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.

Products Tested in This Release

The Trio VisualPro and RealPresence Group Series 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.

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



Poly recommends that you upgrade all of your Poly 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.

Management Systems and Recorders

<i>Product Name</i>	<i>Interoperable Versions</i>
Polycom RSS 4000	8.5.4
Polycom RealPresence Access Director	4.2.4
Polycom RealPresence Media Suite	2.8.2
Polycom RealPresence DMA	10.0.0.4
Polycom RealPresence Resource Manager	10.7.0

Gatekeeper, Gateways, External MCU, Bridges, Call Managers

<i>Product Name</i>	<i>Interoperable Versions</i>
Polycom RealPresence Collaboration Server 1500	8.5.13.3
Polycom RealPresence Collaboration Server, Virtual Edition	8.8.1
Polycom RealPresence Collaboration Server 1800/2000/4000	8.8.1
Polycom RealPresence Collaboration Server Gateway	8.8.0
Cisco TelePresence Video Communication Server (VCS)	X8.10
Cisco Unified Communications Manager	12.0.1
Cisco 3241 ISDN Gateway	2.2 (1.27)
Cisco 5310 MCU	4.5 (1.85)
Cisco 8710 MCU	4.2 (4.18)

Endpoints

<i>Product Name</i>	<i>Interoperable Versions</i>
Poly Trio	5.9.1
Poly G7500	3.0.0
Polycom HDX systems	3.1.14
Polycom Concierge solution	Phase 1
Polycom RealPresence Centro	6.2.2
Polycom RealPresence Debut	1.3.3
Polycom RealPresence Mobile Android	3.10.1
Polycom RealPresence Mobile iOS	3.10.1
Polycom RealPresence Desktop for Windows	3.10.0
Polycom RealPresence Desktop for Mac	3.10.0
Polycom Immersive Telepresence (ITP) Series	3.1.4
Polycom RealPresence Immersive Studio	6.2.2.1
Polycom RealPresence Immersive Studio Flex	6.2.2.1
Polycom RealPresence OTX Studio	6.2.2.1

<i>Product Name</i>	<i>Interoperable Versions</i>
Polycom SoundStructure	1.7.8
Polycom VVX business media phones	6.1.0
Cisco 9971	sip9971.9-4-2sr2-2
Cisco C40, C90	7.3.17
Cisco DX70/DX650	CE9.6.1
Cisco DX80	CE9.6.1
Cisco EX90	7.3.17
Cisco SX10, SX20, SX80	CE9.7.1
Huawei TE40	2.0.600
Huawei TE30	2.0.600
Unify OpenStage 60/80	V3 R4.10.0 SIP 160728

Peripherals

<i>Product Name</i>	<i>Interoperable Versions</i>
Polycom ISDN Gateway	2.0.0.-39
Polycom Content App	1.3.1
Polycom EagleEye Producer	1.2.2
Polycom EagleEye Director	2.2
Polycom EagleEye Cube HDCI	1.1.0
Polycom EagleEye Director II	2.2.0
Polycom RealPresence Touch	6.2.2.1 Panel software 2.2.2 Operating System software
Polycom Touch Control	6.2.2.1 Panel software 6.2.2.1 Operating System software
Polycom VisualBoard Application	4.1.3 software and later
Cisco ISDN TelePresence Link	IL1.1.6.a337554

¹ RealPresence Group Series systems don't receive video from the Radvision Scopia 100 P10 gateway.

Microsoft Interoperability

The Trio VisualPro and RealPresence Group Series systems support interoperability with the following Microsoft software versions.

Servers

<i>Product Name</i>	<i>Version</i>
Microsoft Skype for Business Server 2015 (Feb 2017)	6.0.9319.559
Microsoft Skype for Business Server 2018 (Feb 2017)	7.0.2046.123
Microsoft Lync Server 2013	5.0.8308.1001
Microsoft Exchange Server 2013	15.00.1473.003 CU22
Microsoft Exchange Server 2016	15.1(Build 1531.3)
Microsoft Exchange Server 2019	15.2(Build 221.12)
Microsoft Skype for Business Online	Versions updated regularly and hosted by Microsoft
Microsoft Exchange Server Online	Versions updated regularly and hosted by Microsoft

Clients

<i>Product Name</i>	<i>Version</i>
Microsoft Skype for Business 2015	15.0.5111.1000
Windows client	16.0.9126.2315, 16.0.11328.20362
Mac client	16.20.90, 16.21.65, 16.21.87, 16.27.37
Surface Hub	1703(KB4477029)
Skype Room System v1 (Polycom CX8000)	1.00.11
Polycom RealConnect Solution	Versions updated regularly and hosted by Microsoft

Supported Operating Systems and Web Browsers

The Trio VisualPro and RealPresence Group Series system web interface supports the following web browsers and operating systems:

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

Supported Peripherals

The Trio VisualPro and RealPresence Group Series systems support the following peripherals:

- Polycom EagleEye Producer camera
- Polycom EagleEye Director II camera
- Polycom EagleEye Director camera
- Polycom EagleEye Cube HDCI camera
- Polycom RealPresence Touch
- Polycom Touch Control
- EagleEye III, EagleEye II, EagleEye 1080, EagleEye View, EagleEye HD, and EagleEye IV cameras
- Polycom RealPresence Group Microphone Array
- Polycom HDX system table microphone arrays and ceiling microphone arrays
- Polycom SoundStructure
- Polycom Stereo Speaker Kit

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

Related Poly and Partner Resources

See the following sites for information related to this release.

- The Polycom Support Site is the entry point to online product, service, and solution support information including Licensing & Product Registration, Self-Service, Account Management, [Product-Related Legal Notices](#), and Documents & Software downloads.
- The [Polycom Document Library](#) provides support documentation for active products, services, and solutions. The documentation displays in responsive HTML5 format so that you can easily access and view installation, configuration, or administration content from any online device.
- The [Polycom Community](#) provides access to the latest developer and support information. Create an account to access Poly support personnel and participate in developer and support forums. You can find the latest information on hardware, software, and partner solutions topics, share ideas, and solve problems with your colleagues.
- The [Polycom Partner Network](#) are industry leaders who natively integrate the Poly standards-based RealPresence Platform with their customers' current UC infrastructures, making it easy for you to communicate face-to-face with the applications and devices you use every day.
- The [Polycom Collaboration Services](#) help The Polycom Collaboration Services help your business succeed and get the most out of your investment through the benefits of collaboration.

GETTING HELP

For more information about installing, configuring, and administering Poly/Polycom products or services, go to Polycom Support.

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