

# Polycom® Unified Communications for Microsoft® Environments

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# Release History

This following table lists the release history of the Polycom Unified Communications for Microsoft solution.

## Release History

<i>Release</i>	<i>Release Date</i>	<i>Features</i>
5	November 2016	<p>Polycom RealConnect support for meetings scheduled with Skype for Business Online (Microsoft Office 365)</p> <p>Modular MCU with soft blades for RealPresence Collaboration Server (RMX) supports direct dial to a VMR and content sharing using Remote Desktop Protocol (RDP).</p> <p>Skype for Business panoramic video layout strip from ITP systems and standards-based room systems</p> <p>AVMCU-MCU Affinity minimizes conference latency in global RealConnect deployments</p> <p>Ability to display and disconnect participants connected to RealPresence Platform from the Skype for Business roster list</p> <p>Audience mute on Polycom RealConnect VMR conferences</p>
4	June 2015	<p>Support for Microsoft Skype® for Business</p> <p>Federated Lync conference join for Polycom ContentConnect™ gateway</p> <p>Polycom RealPresence Platform support for Lync Front End and Edge Server Failover</p> <p>Polycom RealPresence Platform support for Lync Front End and Edge Server Failover</p> <p>Enhancements for RealPresence Collaboration Server (RMX®) solution</p>
3	December 2014	<p>Forward Error Correction (FEC) for Microsoft H.264 SVC</p> <p>Lync IPv6 for Polycom® RealPresence® Collaboration Server (RMX®) solution and Polycom® RealPresence® Group Series solution</p> <p>Support for G.722 Stereo with Lync Room System and from RealPresence Collaboration Server (RMX) solution to Lync 2013 clients</p> <p>Support for Polycom® RealPresence® Content Sharing Suite software version 1.4</p> <p>Lync 2013 qualification for Polycom® RealPresence® Platform and RealPresence Group Series solution</p>

<i>Release</i>	<i>Release Date</i>	<i>Features</i>
2	August 2014	<p>Support for Microsoft H.264 Scalable Video Coding (SVC) and 1080p30 via Lync video with RealPresence Group Series system.</p> <p>Continuous Presence experience of up to five active speakers with RealPresence® Group Series when participating in a Lync 2013 Server multipoint call.</p> <p>Polycom RealConnect for Microsoft Lync® with RealPresence Platform and Lync Server 2013.</p> <p>Create presence-enabled or Lync-registered VMRs with RealPresence DMA.</p>
1	September 2013	Initial release

## What's New?

New features for Skype for Business Server 2015 and Microsoft Lync Server 2013 vary by Polycom product and for this release include the following:

- Polycom RealPresence Collaboration Server (RMX) and Polycom DMA solutions
  - The panoramic strip view used by Skype for Business clients can display an additional four standards-based rooms during video conferences. The panoramic strip can be used to display immersive room systems.
  - RealPresence Collaboration Server version 8.7.1 supports a new MCU topology - modular MCU (MMCUC) with soft blades - which enables you to directly dial a VMR via Skype for Business and perform Remote Desktop Protocol (RDP)-based content sharing in addition to content sharing within Polycom RealConnect.

MMCUC with soft blades is an alternative to the Microsoft transcoding functionality of Polycom ContentConnect. If you are using the MMCUC with soft blades to transcode content, do not use Polycom ContentConnect.



Note: Polycom® RealPresence® Collaboration Server (RMX) 1500/2000/4000 when configured with MPMx blades can operate only with RealPresence Collaboration Server software versions 8.5.x and earlier. RealPresence Collaboration Server (RMX) 1800, RMX 2000/4000 when configured with MPMRx blades, and RealPresence Collaboration Server Virtual Edition also operate with Collaboration Server software versions 8.6.x and later.

- Polycom RealPresence Distributed Media Application (DMA)
  - Skype for Business AVMCUC-to-MCUC Affinity for global Polycom RealConnect deployments improves the ability to choose the RealPresence Collaboration Server (RMX) closest to the Skype for Business AVMCUC used to host a conference. This helps to reduce latency between conference endpoints.
- RealPresence Group Series system

- Skype for Business mode user interface on RealPresence Touch and RealPresence Group Series
- Display each room participant in Gallery View with active speaker view.
- Support for Microsoft's Quality of Experience (QoE) Monitoring Server Protocol
- Support for uploading log diagnostic files to the Skype for Business Server
- Polycom RealConnect technology
  - Office 365 'Meet Now' and scheduled calls when RealPresence Collaboration Server is registered to Skype for Business on-premises
  - Audience mute on a Polycom RealConnect VMR and standards-based endpoints connected to RealPresence Collaboration Server in conferences hosted on Polycom RealConnect
- All standard endpoints connected to RealPresence Platform are listed in a Skype for Business conference Roster.



Web Info: For instructions on configuring new features and solution requirements for your product, see the latest solution deployment guide for Polycom Unified Communications for Microsoft Lync Server at [Polycom Unified Communications Solution for Microsoft Environments](#).

## Products Tested for This Solution

This section lists hardware and software dependencies, and lists product versions that have been tested with this release of the solution.

### *Hardware and Software Dependencies*

Polycom products for use with this solution require at least one of the following Microsoft systems:

- Microsoft Skype for Business Server 2015 (6.0.9319.259 – Cumulative Update 3, June, 2016)
- Microsoft Lync Server 2013 (5.0.8308.956 - Cumulative Update, May 2016)
- Microsoft Exchange Server 2013 (15.00.1178.004 – Cumulative Update 12)



Note: You are encouraged to upgrade all your Polycom systems with the latest software before contacting Polycom support to ensure any issues have not already been addressed by vendor software updates. See [Polycom Support Service Policies](#) to find the current Polycom Supported Products matrix.

### *Products Tested for Skype for Business and Lync Server Versions*

The following tables list Polycom, Microsoft, and Cisco products that have been tested for this release with Skype for Business and Lync Server 2013 and 2010.

To view release notes for a specific product, refer to [Polycom Support](#).

### Polycom Product Versions Tested for This Release

<i>Product</i>	<i>Tested Versions</i>
Polycom® ContentConnect™	1.5.2
Polycom® HDX® system	3.1.11
Polycom® HDX® 9006 system	3.1.11
Polycom® RealPresence® Group Series 300, 500, 700 systems	6.0.0
Polycom® RealPresence® DMA 7000 system	6.4.1
Polycom® RealPresence® DMA system, Virtual Edition software	6.4.1
Polycom® RealPresence® Collaboration Server (RMX) 4000/2000/1500 solution	8.7.1
Polycom® RealPresence® Collaboration Server 1800 solution	8.7.1
Polycom® One Touch Dial Application	1.5.3
Polycom® RealPresence® Media Suite solution	2.6

### Polycom Voice Products Versions Tested for This Release

<i>Endpoint</i>	<i>Version</i>
Polycom® VVX® 500 and 600 business media phones	5.5.0
Polycom® RealPresence Trio™	5.4.3 Rev.AD
Polycom® CX5500 phones and CX8000 Unified Communications Systems	CX5500 - 1.2.3 CX8000 – 15.13.03

### Microsoft Versions Tested for This Release

<i>Product</i>	<i>Version</i>	<i>Description</i>
Microsoft Skype for Business Server 2015	6.0.9319.259	Cumulative Update 3 (June 2016)
Microsoft Lync Server 2013	5.0.8308.956	Update (May 2016)
Microsoft Lync 2013 Client	15.0.4809.1000	April 2016 Update
Microsoft Lync 2010 Server	4.0.7577.710	

<i>Product</i>	<i>Version</i>	<i>Description</i>
Microsoft Lync 2010 Client for Apple® Mac OS® operating system software	14.1.1	July 2015 Cumulative Update
Microsoft Exchange Server 2013	15.00.1178.004	Cumulative Update 12

### Cisco Versions Tested for This Release

<i>Product</i>	<i>Version</i>
TelePresence System TX9000	6.1.10
TelePresence System 3010	1.10.13
TelePresence System TX1310	6.1.10
TelePresence System TX1310	1.10.13
TelePresence System 500	1.10.13
TelePresence IX5000	8.0.6
TelePresence SX10	8.0.1.1
TelePresence SX20	8.0.1.1
TelePresence MX200	7.3.3
TelePresence System EX90	7.3.3
TelePresence Codec C90	7.3.3
TelePresence Codec C60	7.3.3

## Resolved Issues

This section lists resolved issues affecting Polycom products for Microsoft environments.

### Resolved Issues

<i>Issue Number</i>	<i>Found in Release</i>	<i>Description</i>
BRIDGE-18779	8.6	A connection cannot be established from an ISDN endpoint over a SIP gateway to a Skype for Business client.

<i>Issue Number</i>	<i>Found in Release</i>	<i>Description</i>
BRIDGE-19371	8.5.3	In RealPresence Collaboration Server and Polycom RealConnect AVMCU conferences, calls remain connected after ending and cannot be deleted, causing other AVMCU calls to be denied. This issue impacts only Lync 2010 clients.
BRIDGE-19451	8.6	Polycom ContentConnect fails to resume following a network failure, in a meet-now (ad-hoc) conference initiated by a Lync client, and when using a Virtual Meeting Room (VMR) to connect to non-Lync clients.
BRIDGE-19560	8.6	Polycom endpoints fail to connect to a Skype for Business conference when encryption is set to Off in the service provider topology using the organization prefix associated with the Conference Auto Attendant (CAA) of that organization and conference ID.
BRIDGE-20874	8.5.6	A cascaded link between RealPresence Collaboration Server and Polycom RealConnect remains muted after the Lync conference presenter unmutes the audience.
BRIDGE-21214	8.5.2	RealPresence Collaboration Server cannot establish a call with Polycom RealConnect from an HDX to Lync meeting room.
BRIDGE-21296	8.5.3	Lync 2013 clients always send video at 320x176, resulting in poor quality video on RealPresence Collaboration Server RMX systems using MPMx media cards.
BRIDGE-21299	8.6	A 'Picture in Picture' effect sometimes displays on room systems when the Lync client becomes the active speaker when using RealPresence Collaboration Server Virtual Edition MCU.
BRIDGE-21439	8.5.3	The audio level transmitted to a Lync 2013 AVMCU is lower than the audio level transmitted to Lync participants when using RealPresence Collaboration Server Virtual Edition.
BRIDGE-21590	8.6	Polycom ContentConnect fails to resume following a network failure, in a meet-now (ad-hoc) conference initiated by a Skype for Business client, and using a Virtual Meeting Room (VMR) to connect to non-Skype for Business clients.
BRIDGE-21817	8.6.2	Sometimes in one or two simultaneous Polycom RealConnect calls, the AVMCU displays a 'Connecting' message and does not transition to 'Connected' when using RealPresence Collaboration Server with MPM+ media cards.
BRIDGE-22091	8.5.3	During a Polycom RealConnect conference, Skype for Business participants cannot view non-Skype for Business video participants.
BRIDGE-22849	8.5.4	When using Polycom RealConnect, RealPresence Trio systems connected to the AVMCU receive no video or low resolution video on RealPresence Collaboration Server.
BRIDGE-22907	8.6	In a RealPresence DMA system VMR conference, blurred video displays on RealPresence Group Series systems registered to the Skype for Business Front End server.
BRIDGE-23099	8.6.3HF	Polycom RealConnect and ContentConnect participants are disconnected from RealPresence Collaboration Server (MPMRx).

<i>Issue Number</i>	<i>Found in Release</i>	<i>Description</i>
BRIDGE-23381	8.6.3	In a Polycom RealConnect conference including both a Skype for Business participant and a RealPresence Desktop participant, the RealPresence Collaboration Server participants receive frozen video.
BRIDGE-23524	8.5	When a Lync 2013 client with a ContentConnect plugin connects to a RealPresence Collaboration Server VMR, the client cannot see the message overlay.
BRIDGE-23814	8.6.4	When you mute/unmute on the Skype for Business client In a Conference Auto Attendant (CAA) Polycom RealConnect call, sometimes IVR and mute/unmute do not work correctly.
BRIDGE-24111	8.7.1	In a RealPresence DMA VMR call, content moves to the video channel on the Lync/Skype for Business client.
BRIDGE-24173	8.7.1	During a cascaded conference call with the online AVMCU, the Skype for Business client displays a message 'connected with problem' on the RealPresence Collaboration Server manager.
BRIDGE-24197	8.7.1	Occasionally, Polycom endpoints in a Conference Auto Attendant (CAA) RealConnect Conference call receive black content.
BRIDGE-24276	8.7.1	During a Skype for Business meeting scheduled by a Skype for Business Online user, the user receives video for the active speaker after approximately three minutes.
DMA-13795	6.2	When a Lync 2013 client calls into a Polycom DMA system VMR, the call does not move to another MCU when one MCU is stopped.
GS-18630	4.1.3	RealPresence Group Series systems currently do not support Skype for Business mobility clients.
GS-31199	6.0	In a call from a Lync client on an Apple Mac computer to a RealPresence Group Series system, the RealPresence Group Series system does not receive content from a federated Lync client.
GS-31204	6.0	When the RealPresence Group Series system receives RDP content from a Skype for Business client, the call controls do not display on the local interface.



## Known Issues

The following table lists all known issues.

### Known Issues

<i>Issue No.</i>	<i>Release</i>	<i>Description</i>	<i>Workaround</i>
BRIDGE-13934	8.4	If not limited by resources or licenses, RealPresence Collaboration Server can support a maximum of 100 Skype for Business clients in the direct dial mode.	
BRIDGE-20132	8.6	Polycom ContentConnect fails to resume following network failure, in a meet-now (ad-hoc) conference initiated by a Lync client, and using a Virtual Meeting Room (VMR) to connect to non-Lync clients.	
BRIDGE-23913	8.6.4	The Skype for Business 'Audience Mute' feature does not work correctly when using the service provider's topology for Conference Auto Attendant (CAA).	
BRIDGE-24100	8.7.1	In a RealPresence DMA VMR conference, a Lync client on a Mac computer is not able to receive content from Polycom endpoints. Content shared from a Lync client on a Mac computer is successfully received on Polycom endpoints.	
BRIDGE-24126	8.7.1	During a Polycom RealConnect conference call, federated RealPresence Group Series systems display the last frozen frame for content or video.	
BRIDGE-24163	8.7.1	Panoramic layout is not working in Conference Auto Attendant (CAA) Polycom RealConnect call.	
BRIDGE-24213	8.7.1	After you hold and resume a call while sharing content from a Skype for Business client on a RealPresence Trio system registered to a RealPresence DMA system in a Skype for Business conference, content does not display on RealPresence Trio system.	
BRIDGE-24243	8.7.1	When using MMCU with soft blades to connect to multiple conferences using the WebRTC client on Chrome on Mac, the user receives frozen video of the other conference participants.	

<i>Issue No.</i>	<i>Release</i>	<i>Description</i>	<i>Workaround</i>
BRIDGE-24621	8.7.1	After you use a Skype for Business client to invite RealPresence Group Series systems into a CAA Polycom RealConnect conference and then mute the AVMCU cascading link, participants using the Skype for Business client can still hear the participants after the RealPresence Group Series system becomes the active speaker. On-Premises Polycom RealConnect conferences do not experience this issue.	
BRIDGE-24635	8.7.1	In a Polycom RealConnect call, after placing the call on hold on a RealPresence Trio system, Skype for Business and RealPresence Group Series endpoints can hear the hold music from other RealPresence Trio systems registered with Skype for Business.	
BRIDGE-24648	8.7.1	When the RealPresence Collaboration Server MPMRx system is in a Polycom RealConnect environment, video freezes on the Skype for Business client in the RealPresence DMA VMR.	
BRIDGE-24666	8.7.1	RealPresence Collaboration Server crashes when cascaded to an AVMCU with Multi View disabled.	
BRIDGE-24679	8.7.1	RealPresence Group Series systems receive green content when a Skype for Business client shares 'admin' content in a RealPresence DMA system VMR and Polycom RealConnect call.	
BRIDGE-24730	8.7.1	VMR conference calls on the RealPresence DMA system automatically disconnect and cause the Soft MCU to disconnect when content transmission is taken over by a Skype for Business client	
BRIDGE-24752	8.7.1	Polycom endpoints may not receive content after rejoining a Polycom RealConnect conference call using MMCU with soft blades.	
BRIDGE-24937	8.7.1	Dialing from RealPresence Collaboration Server system to a Skype for Business client fails.	
BRIDGE-24967	8.7.1	Polycom endpoints display green content for about 10 seconds when sharing content from a Skype for Business 2016 client in a Polycom RealConnect conference.	

<i>Issue No.</i>	<i>Release</i>	<i>Description</i>	<i>Workaround</i>
BRIDGE-24993	8.7.1	In MMCU Polycom RealConnect calls, Polycom endpoints might display no content or content freeze while sharing content with a Skype for Business client using a Microsoft Surface book device.	
BRIDGE-25017	8.7.1	A core dump may occur on the RealPresence Collaboration system MPMRx (NGB) after running multiple RealPresence DMA system VMR and Polycom RealConnect conference calls.	
BRIDGE-25044	8.7.1	The AS MCU party is disconnected from the online AVMCU during long duration AVMCU Polycom RealConnect conference calls.	
BRIDGE-25048	8.7.1	During a conference call the RealPresence Collaboration Server is unable to receive content from the AVMCU when a Polycom endpoint attempts to show content while another endpoint is showing content.	
CCS-1362	1.5	When Microsoft Skype for Business and Polycom endpoints are connected to a VMR for a while, the ContentConnect server begins to perform endless self-recovery.	Activate the NO_MEDIA_ARRIVED timeout in the Polycom RealPresence Collaboration Sever.
CCS-1368	1.4.1	When content shared from a Skype for Business client does not change for several minutes, display of the content might go off and on.	Upgrade to Polycom ContentConnect software version 1.5.2
DMA-13288	6.1	When a Polycom HDX system registered to Skype for Business calls a Polycom VVX system registered to the RealPresence DMA system as an H.323 endpoint, hold / resume functionality is unavailable.	
GS-20484	4.2.0	When in a point-to-point SIP call using Polycom® RealPresence® Desktop video collaboration software registered to the RealPresence DMA system, RealPresence Group Series systems registered to Skype for Business disconnect after pressing Hold.	
GS-32407	6.0	When you initiate desktop content sharing from a Skype for Business client, the RealPresence Group Series system may fail when immediately escalated to a multiparty call.	

<i>Issue No.</i>	<i>Release</i>	<i>Description</i>	<i>Workaround</i>
GS-32460	5.1.2	A federated Lync for Mac client displays jerky video in calls to an internally registered RealPresence Group Series system.	
VOIP-118110 BRIDGE-25091	8.7.1	The AVMCU cascade link disconnects from the RealPresence Collaboration Server when a RealPresence Trio solution initiates a Polycom RealConnect conference call.	
VOIP-121097	5.4.4	The RealPresence Trio solution does not display video sent from a Skype for Business client after switching the client call from audio only to an audio-video call.	Update to the latest posted RealPresence Trio software version 5.4.4.
VOIP-121098	5.4.4	An endpoint that leaves a Skype for Business AVMCU conference call does not receive content from RealPresence Trio solution after re-joining the call.	Update to the latest posted RealPresence Trio software version 5.4.4.
VOIP-121100	5.4.4	The Skype for Business Mobile client does not receive video from RealPresence Trio solution during an AVMCU call.	Update to the latest posted RealPresence Trio software version 5.4.4.
VOIP-121151	5.4.4	No audio or video is received from a RealPresence Trio solution after sharing application or desktop content from a Skype for Business client in a Polycom RealConnect call	Update to the latest posted RealPresence Trio software version 5.4.4.

## Get Help

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

## 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 solutions topics.

For all Polycom solution documentation for Polycom UC Software in Microsoft environments, see [Polycom Unified Communications Solution for Microsoft Environments](#).

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