

Release Notes

Polycom® Distributed Media Application™ 7000 System, Version 1.0



POLYCOM®

Polycom® announces the limited-availability release of its Polycom® Distributed Media Application™ (DMA™) 7000 System, Version 1.0. This document provides the latest information about this release.

Topics

Introducing the Polycom DMA™ 7000 System	2
System Requirements.....	2
Installation Notes.....	2
Interoperability	3
RMX 2000™ MCU Integration	3
Polycom CMA™ 5000 System Integration.....	3
Polycom Device Version Requirements	4
Known Issues	4
Where to Get the Latest Product Information	5

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Polycom Inc.
1765 West 121st Avenue
Westminster, CO 80234-2301 U.S.A.

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Introducing the Polycom DMA™ 7000 System

Polycom® is pleased to announce the release of its Polycom® Distributed Media Application™ (DMA™) 7000 System, Version 1.0. The Polycom DMA 7000 system is a centralized application for efficiently managing and distributing multipoint conferences throughout the network. It:

- ❑ Provides a highly reliable and scalable multipoint conferencing solution that distributes audio and video calls across multiple media servers (MCUs), creating a single seamless resource pool. The system essentially behaves like a single large MCU, which greatly simplifies video conferencing resource management and improves efficiency.
- ❑ Integrates with your enterprise directory, automating the task of provisioning users for video conferencing. Combined with its advanced resource management, this makes ad hoc video conferencing on a large scale feasible and efficient, reducing or eliminating the need for conference scheduling.
- ❑ Supports up to 10 RMX 2000 MCUs and 1200 concurrent calls. MCUs can be added on the fly without impacting end users and without requiring re-provisioning.
- ❑ Is configured as a cooperative active/active two-node cluster, with both servers actively registered and able to accept and process calls. The system is highly reliable, with no single point of failure.

System Requirements

- ❑ For best reliability, deploy the Polycom DMA 7000 system into a good-quality IP network with low latency and very little packet loss.
 - In systems with enterprise directory integration, the network between the DMA 7000 and the enterprise directory should have less than 200 ms round-trip latency and less than 4% round-trip packet loss.
 - The network between the Polycom DMA system and all RMX MCUs should have less than 200 ms round-trip latency and less than 2% round-trip packet loss. Since this network carries only signaling traffic (the RTP stream goes directly from the endpoint to the MCU), bandwidth is not an issue.
 - To ensure a good conferencing experience, the network between the Polycom DMA system and video endpoints should have less than 200 ms round-trip latency and less than 6% round-trip packet loss.
- ❑ Browser requirements
Microsoft Internet Explorer® 6.0+ or 7.0, Mozilla FireFox® 3.0

Installation Notes

Installation of new Polycom DMA 7000 systems is managed through Polycom Project Management. For more information, please contact your Polycom representative.

See the Deploying Visual Communications Administration Guide for detailed installation requirements and information.

Interoperability

RMX 2000™ MCU Integration

The Polycom DMA system knows only what resources an MCU has currently available, not what's been scheduled for future use. So it may send calls to an MCU that will prevent a scheduled conference from taking place. Therefore, we don't support using the same MCU for both ad hoc and scheduled conferences.

To support the Polycom DMA system's maximum security setting, configure the RMX MCUs being added to the system to accept encrypted (HTTPS) management connections.

The Polycom DMA system uses conference templates to define the conferencing experience associated with a conference room or enterprise group. Each conference template points to an RMX conference profile. The RMX profiles used by the Polycom DMA system must exist on all the RMX MCUs that the Polycom DMA system uses.

Refer to the *Polycom DMA 7000 System Operations Guide* or online help for more information on setting up MCUs for the Polycom DMA system. Refer to the *RMX Administrator's Guide* for more information on enabling encrypted connections and creating RMX profiles.

Polycom CMA™ 5000 System Integration

If the Polycom DMA system is going to use a Polycom CMA system as gatekeeper, the integration process varies depending on the Polycom CMA system's configuration:

- ❑ If the Polycom CMA system has been configured to allow the registration of "All Endpoints," no additional steps are needed to define the Polycom DMA system to the gatekeeper. Once you configure the Polycom DMA system's gatekeeper settings, it automatically registers itself with the Polycom CMA gatekeeper.
- ❑ If the Polycom CMA system has been configured to allow the registration of "Predefined Endpoints Only," the Polycom DMA system must be manually added to the Polycom CMA system:
 1. Add an MCU Service entry for the Polycom DMA system cluster with the following settings:
 - Type is MCU
 - Enable and Available For New Groups are checked
 - Service Prefix is the E.164 alias (dialing prefix) to be used for the Polycom DMA system (we recommend setting description to the same value)
 2. Add both of the servers in the Polycom DMA system cluster to the Polycom CMA system's list of managed devices. Configure each entry as follows:
 - IP Address is the server's physical IP address (not the system's virtual IP address)
 - Device Type is GW/ MCU
 - Click Find Device to retrieve information from the server
 - Set Alias Type to E.164, Alias Value to the alias (dialing prefix) to be used for the Polycom DMA system, and click Add Alias

For more information about adding MCU services and devices, please refer to the *Polycom CMA System Operations Guide*.

Polycom Device Version Requirements

Polycom has successfully tested the Polycom DMA system with the version numbers shown of the following devices.

- | | |
|--------------------------------------|-------------------------------------|
| ❑ Polycom PathNavigator™ 7.00.03 | ❑ Polycom VSX 5000 9.0.1 |
| ❑ Polycom ReadManager™ SE200 3.00.03 | ❑ Polycom VSX 3000 9.0.1 |
| ❑ Polycom RMX 2000™ 3.0.0.94 | ❑ Polycom VSX 500 9.0.1 |
| ❑ Polycom CMA™ 5000 4.0 | ❑ Polycom ViewStation® FX 6.0.5 |
| ❑ Polycom CMA Desktop 4.0/4.0.1 | ❑ Polycom iPower™ 9000 6.2.1208 |
| ❑ Polycom HDX 9004 2.0.3.1/2.5 | ❑ Polycom PVX™ 8.0 |
| ❑ Polycom HDX 9001 2.0.3.1/2.5 | ❑ Tandberg 6000 MXP F7.0 |
| ❑ Polycom HDX 8000 2.0.3.1/2.5 | ❑ Tandberg 880e E5.3 |
| ❑ Polycom HDX 4000 2.0.3.1/2.5 | ❑ Sony PCS1 3.41 |
| ❑ Polycom VSX™ 8000 9.0.1 | ❑ Sony G70 2.61 |
| ❑ Polycom VSX 7000 9.0.1/9.0.5 | ❑ Aethra VegaStar Gold 6.00.00.0049 |
| ❑ Polycom VSX 6000 9.0.1 | |



Note: The Polycom CMA 5000 is the only gatekeeper that supports the maximum capacity of the Polycom DMA 7000 system (1200 concurrent calls). The use of other gatekeepers limits the Polycom DMA system capacity to the scale supported by the gatekeeper.

Known Issues

The following table lists the known issues in this Polycom DMA 7000 system release.

	Summary	Workaround
DMA-43	Cannot download logs from both nodes after a signed certificate is installed.	When signed certificates are installed, logs can still be retrieved by downloading the logs through the local public address of each node in the cluster.
DMA-44	System sometimes hangs activating the cluster when one server is shut down by itself.	This is actually being caused by an error on the server that was not shut down. What you'll see is that one node says "DMA Clustered" while the other node says "Not Ready" for longer than 5 minutes. Shut down both servers and restart them one at a time, and the error will go away.
DMA-52	If the crossover network cable is removed or fails, both servers attempt to become the active web host.	If this happens, you'll see on the dashboard that the private network is down. To recover, shut down both servers, replace the crossover cable, and restart both servers.
DMA-40	Viewstation 128 and Viewstation SP systems are unable to dial into conferences using the DMA7000.	This is under investigation. No workarounds are known at this time.
DMA-41	Audio quality issues are experienced with Lifesize video endpoints.	This is under investigation. No workarounds are known at this time.

Where to Get the Latest Product Information

To view the latest Polycom product documentation, visit the Support section of the Polycom website at www.polycom.com/support.