

Release Notes

Polycom® RSS™ 4000, Version 6.9J



Polycom is pleased to announce the software release of Polycom RSS 4000. This document provides information about the Polycom RSS 4000 system and version 6.9J software.

For more information about using the features described in this document, refer to the product documentation available at www.polycom.com.

Features in version 6.9J

- Enhanced certification management for authenticating the network connections using X.509 certificates.
- Support for H.235.0 gatekeeper authorization when registering to Polycom DMA 7000 system.
- New user role Auditor for managing system logs particularly.
- Enhanced PIN code protection for archive downloading.
- Recording setting enhancements, including the ability to:
 - Enable the recording tone during a recording.
 - Specify the policy of AES encryption.
- Log setting enhancements, including the ability to:
 - Change the system logging level.
 - Configure the warning limit.
 - Enable the remote logging.
- Ability to ping other nodes in the network for detecting the network connection.
- Maximum secure mode for meeting high-security environment requirements, including the following features:
 - Multicast, live streaming, and Email notification are disabled.
 - Telnet and serial port accesses are disabled.
 - Network traffic is separated through LAN1 and LAN2 ports.
 - Antivirus protection is available under the license control.
- Support for IPv6 functions.
- Ability to customize the login banner text.
- Support for playing back videos by using quick codes.

- Ability to customize recording names for easy identification and organization in VRR.
- Addition of two new layouts for dual stream recording: display only people video or alternately display people and content video.
- Support for recording audio-only calls and converting to MP3 format for downloading and playing.
- Support for placing calls from the Web interface by calling the IP address of video conferencing device plus the extension service number.
- Support for re-transcoding archived files and specifying the creating priority.
- System recovery enhancements, including:
 - Addition of more diagnostic information.
 - Ability to check the file system and reset database.
- Improved transcoding speed for generating files with different resolutions.

User Interface

- A Web interface based on Adobe® Flash® Player. Note that you need to install Adobe Flash Player to access the Polycom RSS 4000 Web interface.
- Simplified local interface.

VRR and Templates

- Virtual Recording Rooms (VRR): Users can easily start customized recordings by using a VRR. Every user can have one or more VRRs.
- Template: A template includes a set of basic parameters for use by a VRR. A VRR can use only one template at a time. If you change the parameters in a template, the VRR also changes its recording policy. If you delete a template, all VRRs using this template automatically use the default template.

Recording and Streaming

- Record your meeting in two different rates for users with different bandwidths.
- Record your meetings in MPEG-4 format, and view meeting archives on a PC.

Security

- Operating system: Based on Linux with required JITC security enhancements.
- Define three types of roles: administrator, user and auditor.
- Lock the screen: Click the lock icon on the top left corner of the web interface for enhanced security.

Others

- When you play recording files on Windows Media Player, the aspect ratio of the source video is preserved. The image is scaled (if necessary) to the highest supported resolution that fits on the display without cropping. Extra areas on the display are filled with black borders.
- The archive files are hidden from local system interface in the following situations:
 - The endpoint’s call rate is lower than the archive file’s recording rate.
 - The endpoint’s resolution is lower than the archive file’s resolution.
 - The archive file’s video protocol is not supported by the endpoint.

Known Issues

The following table lists the known issues for the version 6.9J release. If a workaround is available, it is noted in the table.

Category	Issue ID	Descriptions	Workaround
Archive downloading	PCTCRSS-1496	When you download a large (for example, 3 GB) archive, the Time remaining shown on the File Download window always reads “unknown”.	Do not close the download dialog until the download finishes.
Certification	PCTCRSS-1497	When an FTP server is connected to the system with SSL enabled, if you delete a certificate and choose to restart the system later, the FTP server status changes to “Connect fail”.	Reinstall the deleted certificate.
Certification	PCTCRSS-1500	If you select Enable OCSP , enter very long text as OCSP responder URL and select Store OCSP configuration and Reboot later . Then you log out and log in the system again. The system prompts invalid certificate after a long time.	None.

Certification	PCTCRSS-1499	<p>If you select Enable web client certificate, when you log in the Polycom RSS 4000 system with a valid certificate, the system sent two OCSP requests (instead of one as expected) in succession to the OCSP server.</p>	None.
File uploading	PCTCRSS-1810	<p>(For RSS 4000 6.9J software build 29447 only)</p> <p>You cannot import files such as certificates and upgrade packages into your RSS 4000 6.9J system, if your computer's operating system is one of the following and you have installed the security update issued in Microsoft Security Bulletin MS12-006:</p> <ul style="list-style-type: none"> • Windows XP • Windows 7 • Windows Server 2003 R2 • Windows Server 2008 R2 	<p>Disable this security update before you import certificates or upgrade packages:</p> <ol style="list-style-type: none"> 1 From you computer, click Start > Run, then type <i>regedit</i> in the Open box and click OK. 2 Go to HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\SecurityProviders\SCHANNEL. 3 Select Edit > New > DWORD Value. 4 Enter <i>SendExtraRecord</i> as the name of the DWORD, then press ENTER. 5 Right-click SendExtraRecord and click Modify. Enter 2 in the Value data field. 6 Click OK and close the Registry Editor. <p>Note: Please enable this update by deleting the entry SendExtraRecord from the Registry Editor after you upload files to the RSS 4000 6.9J system.</p>
Gatekeeper	PCTCRSS-1505	<p>When the Polycom RSS 4000 system is set to obtain its IPv6 address automatically, it cannot register with the gatekeeper immediately. The cause is RSS 4000 cannot obtains its Site Local address and Global address timely and uses its Link Local address as its signalling source address instead, which is unreachable to the gatekeeper.</p>	<p>Register to the gatekeeper only after the Polycom RSS system has obtained its IPV6 settings.</p>

Provisioning	PCTCRSS-1501	Under Maximum Security Mode, if you enable IPv6 and let the Signaling Network to obtain its IPv6 settings automatically, then you copy the obtained IP settings to the Management Network and restart the Polycom RSS 4000 system, the system cannot detect and resolve the conflict Link Local Address.	Make sure the IPv6 addresses assigned for LAN1 and LAN2 are different.
Recording	PCTCRSS-1498	<p>If you do one of the following:</p> <ul style="list-style-type: none"> • After you log in as an AD administrator, disable Active Directory Server integration. This operation deletes all AD users. • After you log in as a local administrator, if you set the status of another local administrator as Active and then integrate a Polycom Active Directory Server. This operation deletes all other local administrators. <p>You find the session of the deleted administrator does not end accordingly. You can still record and playback videos.</p>	None.
Time	PCTCRSS-1504	The NTP server cannot validate and authenticate responses it receives from the time server.	None.
Web Interface	PCTCRSS-1503	<p>If you update the Polycom RSS 4000 system time from its Web interface System Config > System Time > The Console, the time shown on the lower-left of the Web page is not updated accordingly.</p> <p>When you update the time from System Config > System Time > The NTP Server, the Server Current Time is updated, but with incorrect time zone; and the time shown on the lower-left of the Web page isn't updated accordingly.</p>	None.
Web interface	PCTCRSS-1502	If you perform the factory reset under normal mode on the Polycom RSS 4000 system and then change your user name from admin to ADMIN , without changing your password. You can log in the system with both ADMIN and admin as the user name.	None.

Web interface	PCTCRSS-1495	When you select Enable PIN Code for Playback for a VRR, you can click OK to leave the configuration page without setting the PIN code. The system does not prompt you to enter the PIN code.	Set the PIN code as you desire.
Web interface	PCTCRSS-1494	You record a meeting using a VRR whose Enable PIN Code for Playback is selected, then you disable this option and recreate this recording. When you try to download the recreated file, you are still asked to enter the PIN code.	None.

Interoperability

Polycom RSS 4000 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 the 6.9J release.

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 may 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 may make different selections. This process should not affect the quality of the call.

Type	Product	Release
Gatekeepers, Gateways, and MCU's	Polycom CMA4000/5000	5.5.0; 6.0
	Polycom DMA	3.0; 4.0
	Path Navigator	7.0.14
	Polycom RMX 1000	2.4; 2.4.2
	Polycom RMX 1000C/500C	2.4; 2.4.2
	Polycom RMX1500	7.2; 7.6
	Polycom RMX 2000	7.2; 7.6
	Polycom RMX 4000	7.2; 7.6
	Polycom MGC	9.0.3.1

Endpoints	Polycom HDX Series	3.0.1; 3.0.3
	Polycom VSX Series	9.0.6 .1
	Polycom QDX Series	4.0.1.1; 4.0.2
	Polycom PVX	8.0.16
	Polycom VVX	3.3.2
	CMAD Mac	5.1.0; 5.2.0
	CMAD PC	5.1.0;5.2.0
	Sony PCS –1	3.42
	Tandberg MXP 770	F8.1
	Tandberg C20	F8.1

Polycom Solution Support Services

Support services for Polycom solution components are available from Polycom Implementation and Maintenance. Additional services for supported third-party Unified Communications environments integrated with Polycom solutions are available from Polycom Global Services and its certified Partners. These additional services help customers successfully design, deploy, optimize and manage Polycom visual communications within their Unified Communications environments.

For additional information and details see http://www.polycom.com/services/professional_services/index.html or contact your local Polycom representative.

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