Release Notes

LifeSize® Networker™

Release: v3.1.2

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Product Documentation

The following documentation is also available in this release:

- LifeSize Networker Installation Guide
- LifeSize Networker Quick Reference Card
- Supporting licensing, attributions, and regulatory documents
- Technical Notes and supporting Technical Services documents

Note: For the most current version of product documentation, refer to the Support page of www.lifesize.com.

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New Features and Resolved Issues

Following are the major new features and resolved issues in this release. Refer to your LifeSize product documentation for more information about using the product. Numbers in parentheses following a summary are used for internal tracking purposes only.

Feature	Description
Sony shows blank video in a 3-way call when presentation is started from the LifeSize device. (NET-1387)	The presentation bandwidth sent in two way call is 800 x 600 But when a Polycom device is added to the conference, bandwidth is lowered to 352 x 288, which causes the Sony G70 to present blank video. This occurs specifically with the a Polycom participant in an ISDN call. The issue has been corrected in this release.
Security vulnerability (NET-1395, NET-1396, NET-1397)	LifeSize Networker fails Nessus scans due to support for weak SSL ciphers, SSLv2, and SSH versions with known weaknesses (OpenSSH X11 Forwarding Session Hijacking). These issues have been corrected in this release.
Incoming calls unable to connect at 8B; always connects at 1B. (NET-1401)	Due to a configuration issue with the Siemens PBX LifeSize Networker was unable to recognize the incoming call appropriately. This problem no longer occurs in this release.
H.263+ is renegotiated in a two-way ISDN call with LifeSize Passport. (NET-1402)	LifeSize Networker no longer assumes H.263+ support and thus, this issue has been corrected in this release.
Incoming ISDN voice calls not working when the number configured in LifeSize Networker is different from the DID number dialing. (NET-1411)	In this release, the called party number is used for DID routing and therefore this issue no longer occurs.
LifeSize Express configured with LifeSize Networker and registered with a gatekeeper is unable to make outgoing calls. (NET-1408) Calls connect and drop after 5 to 6 seconds. (NET-1376)	Outgoing calls with LifeSize Express configured with LifeSize Networker and registered with a gatekeeper fail. Or, calls connected and dropped after 5 to 6 seconds, audio and video froze, and the call disconnected. The switch was disconnecting the calls because of a variation in frame alignment word. These issues have been corrected in this release.
Presentation fails for the Sony G70 in a 3-way call. (NET-1398)	The Sony G70 is unable to receive presentation in a 3-way call. This issue no longer occurs in this release.
When LifeSize Networker receives mobile/landline calls, audio fails at both ends. (NET-1400)	Audio fails when LifeSize Networker receives mobile/landline calls. This issue no longer occurs in this release.

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Known Issues

The following table lists known issues and their solutions or workarounds, if available. Numbers in parentheses following an issue are used for internal tracking purposes only.

Issue/Problem	Description/Workaround
SPID editing errors in the administrator configuration for a standalone LifeSize Networkers fails. (NET-1338)	Changing the assignment method for a SPID from *Manual* to *Auto* fails on a standalone LifeSize Networker. Incorrect values for the SPIDs appear in the edit screen if the assignment method for all SPIDs is *Manual* and you click the **Edit** button below the SPID table without first selecting a SPID to edit.
Outgoing calls bond only the number of channels typically available for selection as the bandwidth for a call. NET-1213	An outgoing call from a LifeSize video communications as the MCU through LifeSize Networker bonds only the number of channels typically available for selection as the bandwidth for a call. This may result in an outgoing call downspeeding to less than the total number of channels available for the call.
Switch variant will not change on the fly. (NET-860)	If you change the switch variant, LifeSize Room, LifeSize Team MP, and LifeSize Networker systems automatically reboot. For standalone LifeSize Networker units, you must manually reboot LifeSize Networker after changing the switch variant.
Video may be shaky when using FECC with a system connected to a Codian Gateway. (NET-858)	Video may appear shaky in your system when controlling the far end camera from a device connected to a Codian Gateway.
Comma is not supported in a gateway service prefix. (NET-726)	LifeSize Networker allows you to enter # (pound), * (asterisk), and, (comma) symbols for the gateway service prefix; however, the comma is unsupported in this release.
Remotely locating LifeSize Networker connected to a LifeSize video communications system.	If you wish to install LifeSize Networker by connecting it to the Networker port on a LifeSize video communications system and your conference room has two network ports, you can locate LifeSize Networker in a separate room. Use one of the conference room ports to connect LifeSize Networker to the Networker port of the LifeSize system and the other conference room port to connect the LifeSize system to your network. This may be useful, for example, when ISDN lines cannot be placed in the conference room.
Presentations may fail in mixed bandwidth calls and non-default settings for the **Video Bandwidth Balance** preference. (NET-996)	Presentations may fail during multi-way calls with LifeSize Networker when presentation bit rates from the presenting systems are not the same. This can occur when participants connect at different bandwidths and when the Video Bandwidth Balance preference in LifeSize systems is set to a value other than the default (90%/10%). **Workaround:** To work around this issue, ensure that the Video Bandwidth Balance preference in LifeSize systems participating in the call is set to 90%/10% and that all calls connect at the same bandwidth.

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Issue/Problem	Description/Workaround
ISDN calls to LifeSize Team and LifeSize Express may fail when configured with LifeSize Networker through a gatekeeper and the DID suffix length is greater than 4. (NET-730)	Because the switch sometimes truncates called numbers to the last four digits, ISDN calls to LifeSize Team and LifeSize Express may fail when configured with LifeSize Networker through a gatekeeper. **Workaround:** To work around this issue, use a DID suffix length of 4 and enable a DID prefix when configuring LifeSize Networker with LifeSize Team.

Product Limitations

The following table lists known limitations with this LifeSize product. Numbers in parentheses following an issue are used for internal tracking purposes only.

Feature	Support or Limitation
LifeSize Networker requires software release v4.0.2 for LifeSize video communications systems.	To function properly, this release of LifeSize Networker requires software release v4.0.2 for LifeSize video communications systems. Ensure that your LifeSize video communications system has IP connectivity.
Adobe Flash Player required version.	To access the administrator configuration for LifeSize Networker from a web browser, ensure that you have Adobe Flash Player v9.0.115 installed and configured on your web browser.
Gatekeeper restrictions when sharing LifeSize Networker as a standalone unit registered to an H.323 gatekeeper.	If you are using LifeSize Networker as a standalone unit with more than one LifeSize system and an H.323 gatekeeper, LifeSize Networker and the LifeSize video communications systems must be registered to the same gatekeeper.
Maximum concurrent calls with LifeSize Networker as a standalone, shared unit. (NET-1244)	LifeSize Networker as a standalone unit supports a maximum of four concurrent ISDN callers when configured as a BRI device or eight concurrent ISDN callers when configured as a PRI device.
Voice activated switching of video is not supported with LifeSize Networker. (NET-1018, NET-1133)	Voice-activated switching of video is not supported during calls with LifeSize Networker in this release.
LifeSize Networker U is in End of Sale status.	This release is available for the LifeSize Networker S/T model only. The LifeSize Networker U model has been announced as End of Sale.

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Interoperability

LifeSize video communications systems with this software release are supported with the following third party devices.

Supplier	Products
Codian	3240 ISDN Gateway 1.4
Polycom	VSX 3000: 9.0.5 VSX 7000: 9.0.5 VSX 8000: 9.0.5 VS FX: 6.0.5 HDX 9002: 2.5.0.2-3395 MGC-50/100: 9.0.1.8
LifeSize	Gateway (PRI) v5.6.0
Radvision	Scopia 100 Gateway (P10) v5.1
Sony	PCS-1: v3.41 G70: v2.65
Tandberg	880 MXP: F8.0 990 MXP: F8.0 1000 MXP: F8.0 6000 MXP: F8.0 880: E5.3 1000: E5.3 6000: B10.3 Gateway G3.2

Supported Switches

LifeSize video communications systems with this software release are supported with the following third party devices.

Switch	Region	Interface	Framing	Encoding
AT&T 4ESS	North America	T1	ESF	B8ZS
AT&T 5ESS Point to Point	North America, Taiwan	T1	ESF	B8ZS
ETSI (European ISDN)	Taiwan, Hong Kong	T1	ESF	B8ZS
Nortel DMS 100	North America	T1	ESF	B8ZS
National ISDN-2	North America	T1	ESF	B8ZS
ETSI (European ISDN)	Europe, Taiwan	E1	CRC4	HDB3
NTT (INSNET1500)	Japan	J1	ESF	CCITT

If configured as a BRI device, LifeSize Networker supports the following switches:

Switch	Region	SPID Support
ETSI (European ISDN)	Europe	N/A
NTT	Japan	N/S
National ISDN	North America	SPID configurable Auto SPID supported
AT&T 5ESS Point to Point	North America	N/A
AT&T 5ESS Multipoint	North America	SPID configurable
Nortel DMS 100	North America	SPID configurable

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Interoperability Limitations

The following table lists known limitations with third party products. Numbers in parentheses following an issue are used for internal tracking purposes only.

Feature	Limitation
Codian:	
No video from Sony G70 when called placed through Codian gateway using TCS4 (NET-1281)	No video from a Sony G70 participant appears in the display of a LifeSize system as the MCU when the LifeSize system places the call through a Codian 3240 ISDN Gateway using TCS4 as the dialing policy. **Workaround:** To work around this issue, enable auto attendant on the Codian gateway and place the call using only the ISDN number of the Codian gateway. In the auto attendant screen, enter the TCS4/H.323 extension of the IP participant.
Polycom:	
Green, patchy presentation video received by Polycom VSX 3000 with LifeSize Room as the MCU in a 4-way call. (NET-1298)	When LifeSize Room as the MCU sending a presentation in a 3-way call placed through LifeSize Networker to a LifeSize Room participant and a Polycom VSX 3000 participant adds a Sony G70 participant, the presentation video received by the Polycom VSX 3000 participant becomes green and patchy. **Workaround:** To workaround this issue, stop and then restart the presentation from the MCU.
No video from Polycom VSX 7000 when call placed from Polycom system with Basic Mode enabled to LifeSize system through Codian 3240 ISDN Gateway. (NET-1315)	Video sent from a Polycom VSX 7000 participant does not appear in the display of the LifeSize participant in a two-way call when the Polycom system with Basic Mode enabled places the call through a Codian 3240 ISDN Gateway **Workaround:** To work around this issue, disable Basic Mode on the Polycom system.
Add participants to a two-way call at bandwidths less than 12B with Polycom VS FX as the MCU. (NET-1101)	A Polycom VS FX system as the MCU does not allow participants to be added to a two-way call with LifeSize Networker if the call bandwidth is 12B or greater. To work around this issue, place the call with bandwidth less than 12B.

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Feature	Limitation
MGC interoperability issues with Video Switching and audio codecs. (NET-883)	The following conditions may occur: -If requested B-channels do not connect with the LifeSize system in Video Switching mode, or when the Networker/MGC lines are busy, the LifeSize device connects as audio only. (Similar behavior occurs if third parties call the MGC.) -If the LifeSize device has a lower bandwidth in the conference with Video Switching, the LifeSize device connects as audio only. (Similar behavior occurs if third parties call the MGC.) -If you select Siren14/G.722.1(24K or 32K) or Siren 7 (16K) as the audio codec in Video Switching mode, LifeSize devices connect as audio only participants. -In Video Switching mode, if the call bandwidth is less than 384K and you select "Auto" for the audio codec, LifeSize devices connect as audio only. (In v8.0, the MGC forces Siren 7 for bandwidths less than 384K in Video Switching. In v7.5 this only applies to 128K calls). -If you enable far end camera control in a call with a LifeSize device, the LifeSize device connects as audio only. (Far end camera control is not supported in ISDN calls with LifeSize through MGC-50/100). **Workaround:** To work around these issues, perform one of the following: -Disable far end camera control on the MGC for any conference in which LifeSize is a participant. -If a LifeSize device is part of a call with less bandwidth than required, schedule the call using Transcoding. -If each participant has a different bandwidth limit, select Transcoding to avoid video problems.
Sony:	
Video freezes and the call does not reconnect when channels are dropped in a call with Sony PCS-1. (NET-1303)	When one or more channels are dropped during a call between a LifeSize system connected to a LifeSize Networker and a Sony PCS-1 participant, video, including a message instructing the user not to hang up, freezes in the display of the Sony PCS-1 participant and the call does not reconnect.
No video in a point-to-point 10B call placed from a LifeSize system to Sony PCS-1 system. (NET-1126)	No video appears in a 10B call placed from a LifeSize system with LifeSize Networker to a Sony PCS-1 system. **Workaround:** To work around this issue, place the call at 8B or 12B.
Tandberg:	
Far end camera control by IP LifeSize participant in a call to an ISDN LifeSize participant through a Tandberg Gateway fails. (NET-1167)	During a point-to-point call between an ISDN LifeSize system and an IP LifeSize system through a Tandberg Gateway, the IP participant cannot control the camera of the ISDN participant.

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Feature	Limitation
No video in calls to Tandberg systems connected through Tandberg Gateway with software release earlier than G3.2. (NET-1118)	No video may appear when a call placed from a LifeSize system with LifeSize Networker to a Tandberg device connected through a Tandberg Gateway connects, if the Tandberg Gateway software is a version earlier than G3.2. **Workaround:** To partially work around this issue, upgrade Tandberg Gateway to G3.2. The resolution of the video with this workaround is 352 x 288.
Audio and video issues in LifeSize video conferencing systems with H.331 enabled on Tandberg systems. (NET-226)	You may experience problems with video and audio in LifeSize video conferencing systems with LifeSize Networker in calls with Tandberg systems when H.331 is enabled on the Tandberg systems. **Workaround:** Disable H.331 on the Tandberg systems and retry the call.
Switch Interoperability:	
Subsequent calls to the first number of the ISDN number range with LifeSize Networker as a PRI device and with AT&T 5ESS switch returns a busy status. (NET-1002)	If a LifeSize system with LifeSize Networker is the MCU and configured as a PRI device with an AT&T 5ESS switch, only one incoming call to the first number of the ISDN number range in the MCU connects successfully. Subsequent incoming calls to the same number in the MCU return a busy status to the caller. Subsequent incoming calls to different numbers in the MCU connect as 1B only.
Subsequent calls to the first number of the ISDN number range with LifeSize Networker as a BRI device and with Nortel DMS 100 switch returns a busy status. (NET-984)	If a LifeSize system with LifeSize Networker is the MCU and configured as a BRI device with a Nortel DMS 100 or National ISDN switch, only one incoming call to the first number of the ISDN number range in the MCU connects successfully. Subsequent incoming calls to the same number in the MCU return a busy status to the caller. Subsequent incoming calls to different numbers in the MCU connect successfully.

Technical Services

LifeSize Communications welcomes your comments regarding our products and services. If you have feedback about this or any LifeSize product, please send it to feedback@lifesize.com. You may also contact LifeSize Technical Services as follows:

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