



Release Notes

LifeSize® Networker™

Release: v3.0.0

Use of LifeSize equipment and software components are governed by the conditions and terms of the LifeSize Communications End User License Agreement.

Product Documentation

The following documentation is available in this release:

Documentation	Description
<i>LifeSize Networker Installation Guide</i>	Describes setup and common usage for your LifeSize Networker system. Available from the documentation CD included in the product box as well as from the Support page of the www.lifesize.com .
<i>LifeSize Networker Quick Reference Card</i>	A visual depiction of the proper installation of all cables and components. Printed and included in the product box as well as available from the Support page of www.lifesize.com .
<i>LifeSize EULA and Third Party Licenses</i>	The LifeSize End User License agreement and listing of Third Party Licenses are available from the documentation CD included in the product box as well as from the Support page of www.lifesize.com .
<i>LifeSize Safety and Regulatory Notices</i>	Describes safety guidelines and regulatory notices for the LifeSize hardware. This document is available from the documentation CD included in the product box as well as from the Support page of www.lifesize.com .
<i>Release Notes</i>	This document, which describes known issues in the current release and any available workarounds. Also provides Customer Support contact information. Available from the Support page of www.lifesize.com .

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

Interoperability and Third Party Device Support

LifeSize supports the following third party devices.

Supplier	Products
Codian	3240 ISDN Gateway 1.4
Polycom	VSX 3000: 8.7.1 VSX 7000: 8.7.1 VSX 8000: 8.7.1 VS FX: 6.0.5 HDX 9002: 2.0.2 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: v2.61
Tandberg	880 MXP: F6.3 990 MXP: F4.0 1000 MXP: F7.0 6000 MXP: F6.3 880: E5.3 1000: E5.3 6000: B10.3 Gateway G3.2

Supported Switches

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

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/A
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

New Features and Resolved Issues in this Release

Numbers in parentheses following an issue are used for internal tracking purposes only.

Feature	Description
New Features:	
Support for sharing LifeSize Networker as a standalone unit with more than one LifeSize system and without registration to an H.323 gatekeeper.	Software release v2.5 supported sharing a standalone LifeSize Networker with more than one LifeSize video communications system only if all devices were registered to the same H.323 gatekeeper. This release includes support for sharing LifeSize Networker as a standalone unit with more than one LifeSize video communications systems and without registration to an H.323 gatekeeper.
New Dialing Policy preference	<p>To streamline the administrator configuration screens and to support sharing a standalone LifeSize Networker with more than one LifeSize video communications system without registration to an H.323 gatekeeper, you must choose a dialing policy when configuring LifeSize Networker as a standalone unit. The default dialing policy is <i>None</i>. Other options include <i>Direct Connect</i>, <i>Dial Peer</i> (new option for sharing LifeSize Networker without a gatekeeper), <i>Direct Inward Dial</i>, and <i>TCS4</i>. If you select <i>Direct Inward Dial</i> or <i>TCS4</i>, the H.323 gatekeeper preferences appear on the same screen.</p> <p>Note: If you are upgrading a standalone unit with software release v2.5 in which both direct inward dial and TCS4 were selected, the upgrade process sets the dialing policy to <i>Direct Inward Dial</i>.</p> <p>For more information about dialing policies, refer to the <i>LifeSize Networker Installation Guide</i> available from the Support page of www.lifesize.com.</p>
Partial PRI line support	If you are only using a contiguous subset of the total B channels available on a PRI line, you can specify this range using the new First Active Channel and Total Active Channels preferences. For more information, refer to the <i>LifeSize Networker Installation Guide</i> available from the Support page of www.lifesize.com .
New Keypad Facility preference for keypad dialing (NET-1251) (NET-1274)	If your switch requires keypad dialing, set the new Keypad Facility preference in LifeSize Networker to <i>Enabled</i> . By default, this preference is set to <i>Disabled</i> . Choosing <i>Enabled</i> for this preference automatically sets Parallel Dial to <i>Disabled</i> . For more information, refer to the <i>LifeSize Networker Installation Guide</i> available from the Support page of www.lifesize.com .
Quality of Service (QoS) support for IP packets in standalone configurations.	You can specify network Quality of Service (QoS) settings for a standalone LifeSize Networker. These settings apply only to the IP packets in a call. For more information, refer to the <i>LifeSize Networker Installation Guide</i> available from the Support page of www.lifesize.com .
New Send Calling Party Number preference	By default the calling party's number is sent to the far side when you place a call. If a PBX provides the ISDN services, you can disable this feature by setting the new Send Calling Party Number preference to <i>Disabled</i> . For more information, refer to the <i>LifeSize Networker Installation Guide</i> available from the Support page of www.lifesize.com .
H.261 and H.263+ support	This release includes support for H.261 and H.263+.

Enhancements:	
Increased maximum number of concurrent calls supported on the PRI interface with a standalone LifeSize Networker. (NET-1244)	In this release, LifeSize Networker configured as a standalone PRI device supports up to eight calls with a total bandwidth up to 23B channels (1.472 Mb/s) with a T1 line or 30B channels (1.92 Mb/s) with an E1 line. Software release v2.5 supported a maximum of five concurrent calls on the PRI interface.
Streamlined administrator configuration screens for BRI/PRI configuration	In addition to streamlining configuration screens associated with configuring LifeSize Networker as a standalone unit, this release consolidates the BRI/PRI Single Number and BRI/PRI ISDN Number screens. For more information, refer to the BRI and PRI configuration instructions in the <i>LifeSize Networker Installation Guide</i> available from the Support page of www.lifesize.com .
Mid-call exceptions (END-8332)	In previous releases when an ISDN call with LifeSize Networker lost one or more channels, black video appeared in the display while the system attempted to reconnect the call. This often resulted in the user hanging up the call instead of waiting for the call to reconnect. In this release when this condition occurs, the user interface displays a message instructing the user not to hang up.
Resolved Issues:	
Unsupported presentation bandwidth capabilities advertized in v2.5. (NET-1231)	In software release v2.5, LifeSize Networker advertized that it was capable of supporting presentations bandwidths at 40 kb/s and 96 kb/s, even though these presentation bandwidths are not supported. This issue is resolved in this release.
No video received by LifeSize system with LifeSize Networker in IP to ISDN calls placed from Tandberg 6000 MXP or Polycom VSX 3000 devices through a Codian gateway. (NET-1117)	In previous releases, a LifeSize system with LifeSize Networker would not always receive video in an IP to ISDN call placed from Tandberg 6000 MXP or Polycom VSX 3000 devices through a Codian gateway. This issue is resolved in this release.
Two way call with Polycom VSX 7000 and Polycom Visual Concert through Radvision or LifeSize Gateway shows presentation video layout when a presentation is not in progress. (NET-1203)	In software release v2.5, in a two way call through a Radvision or LifeSize Gateway, with a LifeSize video conferencing system, LifeSize Networker, and a Polycom VSX 7000 system connected to Polycom Visual Concert, the presentation layout for the video appeared in the display even when a presentation was not in progress. The workaround for this issue was to start and then stop a presentation from any participating device in the call. This issue is resolved in this release.
3B or greater ISDN call from Sony PCS-1 placed through LifeSize Networker as a shared gateway with TCS4 enabled connects as a voice call. (NET-1229)	In software release v2.5, a 3B or greater ISDN call placed from Sony PCS-1 to a LifeSize device through LifeSize Networker as a shared gateway and TCS4 enabled connected as a voice call. The workaround for this issue was to place the call from the LifeSize device. This issue is resolved in this release.

Product Limitations

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.

Known Issues and Workarounds

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 <i>Manual</i> to <i>Auto</i> fails on a standalone LifeSize Networker. Incorrect values for the SPIDs appear in the edit screen if the assignment method for all SPIDs is <i>Manual</i> 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.
Reboot after changing switch variant. (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.

Issue/Problem	Description/Workaround
Loud noise heard by IP participant when ISDN to IP call between two LifeSize systems ends during a presentation. (NET-1088)	A loud noise may be heard by the LifeSize IP participant when a call placed from a LifeSize system through a standalone LifeSize Networker to a LifeSize IP system ends during a presentation.
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)	<p>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%).</p> <p>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.</p>
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)	<p>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.</p> <p>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.</p>

Interoperability Issues

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Issue/Problem	Description/Workaround
General Interoperability Issues:	
Presentations (H.239) support with third party devices. (NET-1197)	Presentations (H.239) in ISDN calls with LifeSize Networker are supported with LifeSize, Polycom, and Tandberg video conferencing systems only.
Codian:	
No video received by third LifeSize participant in a 3-way call placed by LifeSize Room 200 through a Codian 3240 ISDN Gateway (NET-1340)	When LifeSize Room 200 connected to LifeSize Networker adds a LifeSize system as the third participant in a 3-way ISDN call placed through a Codian 3240 ISDN Gateway, the LifeSize participant does not receive video.
No video received by second LifeSize participant when third LifeSize participant is added at a different bandwidth in a 3-way call placed through a Codian 3240 ISDN Gateway (NET-1341)	When LifeSize Room as the MCU connected to LifeSize Networker places a 3-way ISDN call through a Codian 3240 ISDN Gateway to two LifeSize Rooms at different bandwidths, the second participant receives no video when the third participant joins the call. Workaround: To work around this issue, place the calls at the same bandwidth for all participants.
No video from Sony G70 when called placed through Codian gateway using TSC4 (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 then place the call using only the ISDN number of the Codian gateway. When the auto attendant screen appears, 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. (END-1298)	When LifeSize Room as the MCU sending a presentation in a 3-way ISDN 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 work around 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.

Issue/Problem	Description/Workaround
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 additional 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 at a bandwidth less than 12B.
MGC interoperability issues with Video Switching and audio codecs. (NET-883)	<p>The following conditions may occur:</p> <ul style="list-style-type: none"> -- 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 an Audio only participant. (Similar behavior occurs when third parties call the MGC.) -- If the LifeSize device has a lower than specified bandwidth in the conference with Video Switching, the LifeSize device connects as an Audio Only participant. (Similar behavior occurs when 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 participants. (The MGC forces Siren 7 for bandwidths less than 384K in Video Switching. This is specific to v8.0. In v7.5 this is an issue only for 128K calls). -- If you enable far end camera control in a conference with a LifeSize device, the LifeSize device connects as an audio only participant. (Far end camera control is not supported in ISDN calls with LifeSize through MGC-50/100). <p>Workaround: To work around these issues, perform one of the following:</p> <ul style="list-style-type: none"> -- 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 conference with less bandwidth than required, schedule the conference using Transcoding mode. -- If each participant has a different bandwidth limit, select Transcoding mode 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.

Issue/Problem	Description/Workaround
Loud noise heard by Sony participant when LifeSize system with LifeSize Networker ends call placed through a gateway to Sony PCS-1. (END-8088)	A loud noise may be heard by the Sony participant when a LifeSize system with LifeSize Networker ends a call placed through a gateway to a Sony PCS-1 device.
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:	
No presentation video received by Tandberg 6000 MXP in a 2-way call with LifeSize Room 200 connected to LifeSize Networker. (END-10000)	When LifeSize Room 200 connected to LifeSize Networker starts a presentation during a 2-way ISDN call with a Tandberg 6000 MXP system, the Tandberg participant does not receive presentation video. The LifeSize system cannot add more participants to the call and must be rebooted.
Video received at far end freezes when LifeSize Room 200 with a shared LifeSize Networker places a call through Tandberg Gateway and starts a presentation. (NET-1337)	The main video received at the far end freezes in a call when LifeSize Room 200 using a standalone, shared LifeSize Networker without registration to a gatekeeper places a call through a Tandberg Gateway and then starts a presentation.
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.
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.

Issue/Problem	Description/Workaround
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.

Customer Support

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 Customer Support as follows:

Method	Address
Internet	http://www.lifesize.com
E-mail	support@lifesize.com
Phone	(877) LIFESIZE or (877) 543-3749 (512) 347-9300
Fax	(512) 347-9301