



Release Notes

LifeSize Bridge 2200

Release v1.1.2

Resolved Issues	1
Known Issues	2
Features and Limitations	3
Interoperability	4
Interoperability Limitations.....	5
Dialing Patterns	6
Contacting Technical Services	8

For the latest product documentation, refer to lifesize.com/support.

Caution: After you upgrade to this release, you cannot downgrade to a previous version.

Resolved Issues

Following are the issues that were resolved in release 1.1.2.

- A CPLD update in this release requires an A/C power cycle. After installing this release, the bridge will automatically reboot. After this reboot, power cycle your bridge by either using the power toggle switch located on the back of the system or by unplugging the AC power cord from the wall. To confirm a successful firmware upgrade, navigate to **Diagnostics : System Information : System Board : Firmware** and verify the version number is 2.8. **Note:** A software reset/reboot does not upgrade the CPLD.

Following are the issues that were resolved in release 1.1.1.

- Audio and video are no longer out of sync in 1080p30 48-way calls. (HE-3300)
- Default bandwidth values are now consistent with the video system values (HE-3561):
768K for 720p30
1.1 M for 720P60
1.7 M for 1080p30
- If you change the **Allow users to create conferences** setting in **Preferences : Virtual Operator**, you no longer need to reboot the system for the change to take effect. (HE-3619)
- H.323 callers joining a conference from the Virtual Operator no longer receive 720p30 video if the resolution is set to 1080p30. (HE-3624)
- In a 15-way conference in which all participants are connected with H.263 and auto bandwidth, the systems in the third row of a 4x4 layout did not produce the black frames correctly and showed flickering green flashes in the frame region. This problem no longer occurs in this release. (HE-3079)
- When a TLS enabled SIP participant connects to the Virtual Operator as a secured call and creates a new conference, that participant is now able to immediately join the conference it created. (HE-3515)

Following are the new features and resolved issues that were included in release 1.1.

- Support for H.261, H.263, and H.263+ codecs
- AES encryption
- Network port redundancy
- SRTP and TLS support
- Support for LifeSize Networker
- Support for FIPS-120
- Forced layout control before and during a conference; ability to lock and unlock the layout
- Outbound dialing with preconfigured IP addresses; a conference auto launches on schedule
- Expanding a conference to 48 participants
- Virtual Operator for incoming calls
- Presentations sharing across protocols
- When a Tandberg C20 joins a conference with LifeSize Bridge as a SIP participant, the Tandberg C20 participant is now able to change layouts. (HE-788)
- Pressing **Hold** from LifeSize Desktop in calls to the LifeSize Bridge no longer terminates the call. (HE-1792)
- NTP server domain names are now resolved when using static IP addressing. (HE-2054)
- The H.263 and H.261 protocols that appear in the **Video Codecs** option when creating or modifying a conference are now supported in this release.
- SIP audio calls connected to Cisco UCM v7 to LifeSize Bridge no longer drop after 15 minutes. (HE-3066)
- The dash is now allowed in registration fields in the LifeSize Utility. (HE-2494)
- A communications problem no longer occurs in which all participants are disconnected in a three way call. (HE-2342)
- In this release, the Scheduler attempts to choose a time nearest to the current time when a user creates a new conference. (HE-2316)
- When a H.239 presenter temporarily loses network connectivity, some conference members were unable to see the presentation. (HE-2369)
- You can now install the LifeSize Bridge Utility using Firefox on Linux. (HE-2004)
- A connection to the Internet is no longer necessary to install the LifeSize Bridge Utility. (HE-2119)

Known Issues

Following are known issues and their workarounds, if available. Numbers in parentheses are used for internal tracking.

- Upgrades from Linux systems using LifeSize Utility 1.1.0 may fail. **Workaround:** Use Windows or Mac OSX to upgrade the system. (HE-3665)
- H.323 calls using the redial list in LifeSize systems fail when calling LifeSize Bridge. **Workaround:** Manually dial the bridge with the conference ID. (END-17290)
- When creating and editing conferences from the LifeSize Utility, you can add participants to dial when the conference becomes live. If the participant is a voice only device, you must specify the **Type** as *Voice*. The default, *Auto*, causes the device to connect as video even though it is not a video device. (HE-3487)

- When logging in to the LifeSize Utility from OS/X or Linux platforms, you can select HTTPS from the login screen to enable secure communications. This is unsupported on Windows in this release.
- All video systems participating in a conference should connect to the bridge rather than another participant in the call; otherwise, you may experience unpredictable results or presentations may fail. (HE-3129)
- Video and presentation bandwidth do not adjust when a low bit rate participant leaves the conference. (END-17968, HE-3294)
- In an ISDN call with H.323 participants, changing presentation fails. **Workaround:** When a presentation fails on a device, disconnect that device and restart the presentation from another participant. (HE-3572) (HE-3449)
- Calls transferred to a conference from the Virtual Operator display the incorrect conference name in Statistics on the LifeSize video system. (HE-3135)
- Recurring conferences that cross daylight savings time (DST) boundaries will show the incorrect time after a DST event. To fix the conference start time, right-click the first instance of the conference after the DST event and choose "Edit this and future". Correct its time and save the changes. The conference will be scheduled correctly until the next DST event. (HE-2510)
- Call Manager options sometimes disappear, become too narrow, or columns are displayed incorrectly. **Workaround:** Navigate to a different page and return to the Call Manager to display all options. (HE-2147, 2623)
- You may experience noise when LifeSize Desktop joins a conference on LifeSize Bridge using audio codec G.7221c. (HE-3502)
- You may experience issues with H.261 ISDN calls on older systems. (HE-3446, 3445, 3443)
- Audio and video may appear out of sync in a 16-way FIPS call. (HE-3482)
- Audio and video may appear out of sync in a two-way 1080p call with Polycom HDX 8000. (HE-1726)
- SIP calls through the Virtual Operator connecting to an expanded conference in which 16 callers are already active connect as audio only with software release 4.7.18 on 200 systems or earlier. (END-18065)
- SIP BFCP is unsupported in this release. SIP presentations are only supported with LifeSize systems.
- Presentations with SIP are only supported with H.263 from LifeSize systems.
- When set to *Auto*, the outbound dial bandwidth is 4 Mb/s. (HE-3645)

Features and Limitations

- In previous releases, a gateway setting via DHCP would override a static gateway setting. In this release, the static gateway setting overrides a gateway received via DHCP. Therefore, if you have previously set a gateway and wish to use a DHCP assigned value, you must first disable the static setting using the `set gateway` command.
- When an ISDN call joins the Virtual Operator with a video codec and no common video codec is available for the target conference, the call may fail after transfer. **Workaround:** Set conferences to *Auto*. (HE-3259, HE-2950)
- In the scenario in which one port is plugged into a network switch with a DHCP server and another port is plugged into a laptop with a direct cable connection, the port connected to the switch will bind to DHCP and the port connected to the laptop will be accessible using the default 169.254.1.1 IP address so that you can use the admin shell to discover the bound address or change the configuration of the network connected port.
- As a LifeSize Bridge administrator, determine the bandwidth requirements and network resources required to support your environment. LifeSize recommends that you connect your LifeSize Bridge to a gigabit port on a network switch and configure it to connect at 1 Gb/s if the LifeSize Bride is sharing Ethernet bandwidth with other workloads. (HE-1682)

- Using the Virtual Operator. (HE-3464)

When you connect as a video caller (callers 1-16) you are instructed to use touch tones to navigate the menu. To select a conference, use the **2** (up) and **8** (down) keys on the remote control to navigate to the desired conference and select it (by pressing **6**). Or to create a new conference, navigate to **Enter a conference ID** and press **6** to select it. Then enter the ID.

When you connect as an audio caller (callers 17-48) you automatically reach the virtual operator which instructs you to enter the conference ID directly.

- The maximum bandwidth of a FIPS encrypted H.323 only call is 2 MB. All other calls have a maximum bandwidth of 4 MB, except expanded calls which are always 2 MB.
- If your video system and the LifeSize Bridge both have encryption enabled or both have it disabled, you will successfully connect. The Virtual Operator will answer but will not always transfer if the encryption state does not match. (HE-3492)
- ISDN calls using LifeSize Networker may experience a delay in presentations. (HE-3424)

Interoperability

LifeSize Bridge with this software release is supported with the following devices.

Supplier	Products
Avaya	SIP Enablement Services: 5.1.x
Cisco	UCM: 7.1.3 Skinny client CP-7940: 8.1
LifeSize	220 systems and Passport: 4.8.3 200 systems and earlier: 4.7.18 Phone: 4.5.3 Desktop: 2.0.1 Transit Client: 3.5 Networker: 3.1.2 Gatekeeper: 7.1
Polycom	HDX 8000 : 23.0.1-10628 HDX 9002, 9004, 4000: 3.0.0.1 VSX 7000, 8000: 9.0.5.1 Via Video PVX: 8.0.16 Path Navigator: 7.0.14 Viewstation 512: 7.5.4
Radvision	PRI P10 Gateway: 5.1.0.0.15 S40 Gateway: 5.6.0.0.4
ShoreTel	Shoregear: 11
sipXecs	sipXecs: 4.2.1
Sony	PCS-G70: 2.65 XG-80: 2.11
Tandberg	C20 and C60: 4.0.1 EDGE, Centric, and Set-top MXP: F9.0.2 VCS Expressway (Gatekeeper functionality only): X5.1.1

Interoperability Limitations

Following are the known limitations with third party products. Numbers in parentheses are used for internal tracking.

General

- Some third party devices are unable to join conferences that require a password. **Workaround:** Disable the password on the conference until all devices have joined, then update the conference to add the password. (HE-699)
- LifeSize Bridge does not support autobandwidth speed adjustment for SIP calls with Tandberg MXP 6000 and Polycom VSX 7000. (HE-1747)

Cisco

- Touchtone and far end camera control navigation fails in calls through the Cisco UCM registrar. (HE-3552, 3583)

Polycom

- When Polycom VSX 8000 initially connects to a LifeSize Bridge, one or more brief pauses in the video may occur. (HE-1476)
- Video freezes for approximately 20 seconds in a Polycom 7000 VSX call in H.263 to LifeSize Bridge. (HE-2321)
- Voice prompts sent to Polycom HDX 9000, 9002, and 9004 systems are cut off. (HE-1808)
- To place a SIP call from Polycom HDX 4000 to a conference with a password on LifeSize Bridge, you must change the video dialing order on the HDX in **Admin Settings -> Network -> Network Dialing** so that *IP SIP* appears first. (HE-3232)
- Calls from Polycom HDX 4000 to LifeSize Bridge require 1024 kb/s call speed to achieve 720p30. (HE-3232)
- To join a conference as an audio device, you must use SIP. Change the video dialing order on the Polycom HDX in **Admin Settings -> Network -> Network Dialing** so that *IP SIP* appears first. Also, set the preferred dialing method to *Auto*, and **Call Preference** to *Phone* then *Video* and ensure the analog phone is enabled. (HE-3232)
- After connecting a SIP call to the Virtual Operator with a Polycom HDX 8000, DTMF navigation fails. **Workaround:** Use far end camera control navigation or dial the conference directly. (HE-3617)

Radvision

- Video flickers may be observed from 3/7 to 7/7 layouts in an ISDN to IP call using the Radvision P10 Gateway. (HE-2896)

ShoreTel

- Calls to LifeSize Bridge through the ShoreTel PBX fail if presentations are enabled on the participant device. (HE-3598)

Sipxecs

- Openser/sipxecs SIP registrar rejects password values greater than 32767. **Workaround:** Use a lower value for the password. (HE-3391)

Sony

- SIP calls from a Sony XG80 failed if SIP Server Mode is on. **Workaround:** From the SonyXG80 web interface, set **Setup : SIP : SIP Server Mode** to *off*. (HE-1485)
- Presentations with Sony XG80 and G70 are unsupported with LifeSize Bridge. (HE-1615, 3217, 3164, 3183 END-17837)
- If a conference is configured for H.263 on LifeSize Bridge and the Sony XG80 is using H.264, the Sony XG80 fails to check which codec is negotiated and change to the lower priority codec, thus, video fails. (HE-3335)
- Voice prompts sent to the Sony XG80 are cut off. (HE-1808)
- The Sony XG80 requires 3MB bandwidth for 720p60 resolution. (HE-3218)

Tandberg

- Due to an issue with the Tandberg 6000 MXP not calculating the overall session bandwidth, the incorrect bandwidth and audio codecs appear for a SIP voice call. (HE-2570)
- Far end camera control navigation fails in SIP calls. (HE-2729)
- Changing layouts using far end camera control navigation fails from Tandberg C20 for encrypted conferences. (HE-2729)
- Changing layouts using far end camera control navigation fails for Tandberg 1000 MXP unsecured calls. (HE-3190)
- Video artifacts observed in a four-way SIP TLS call with Tandberg 1000 MXP and LifeSize Bridge. (HE-3509)

Dialing Patterns

Conference dialing varies with third party devices. Use the following table as a guide for the dialing pattern for your device. In these examples, <ip> is the IP address of the bridge to which you are calling, <id> is the conference ID, and <pw> is the password assigned to the conference.

Aethra X3

<i>Protocol</i>	<i>Without password</i>	<i>With password</i>	<i>Example</i>
H.323	<ip> in the dial field <id> in the extension field	password unsupported; defaults to virtual operator	

LifeSize

<i>Protocol</i>	<i>Without password</i>	<i>With password</i>	<i>Example</i>
LifeSize			
H.323	<ip>##<id>	<ip>##<id>**<pw>	10.95.11.235##1000**1234
SIP	<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235
LifeSize Desktop			
SIP	<id>@<ip> v4.8 software and later: sip:<id>@<ip>	sip:<id>:<pw>@<ip>	1008@10.95.11.235 1008:1234@10.95.11.23

LifeSize Gatekeeper			
	<id> <gk ip>##<id> <ip>##<id>	<id>:<pw>@<ip> <gk ip>##<id>**<pw> <ip>##<id>**<pw>	
LifeSize Networker (ISDN calls)			
	<ISDN gateway number>##<id>		

Polycom

<i>Protocol</i>	<i>Without password</i>	<i>With password</i>	<i>Example</i>
Polycom VSX/HDX			
H.323	<ip>##<id>	<ip>##<id>**<pw>	10.95.11.235##1000**123
SIP	<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235
Polycom VSFX			
H.323	<ip> in the dial field <id> in the extension filed	password unsupported; defaults to virtual operator	
Polycom PVX Softclient			
H.323	<ip>##<id>	<ip>##<id>**<pw>	10.95.11.235##1000
SIP	<id>@<ip> Transport protocol: UDP	password unsupported; defaults to virtual operator	1000@10.95.14.131 --> UDP

Sony XG80/G70

<i>Protocol</i>	<i>Without password</i>	<i>With password</i>	<i>Example</i>
H.323	<ip>#<id>	<ip>#<id>**<pw>	10.95.11.235#1001
SIP	defaults to virtual operator	web ui only: <id>:<pw>@<ip> main screen: F1 for alphanumeric F2 for symbols	1000:1234@10.95.11.235

Tandberg

Protocol	Without password	With password	Example
Tandberg MXP			
H.323	<id>@<ip>	<id>**<pw>@<ip>	1000**1234@10.95.11.235
SIP	<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235
Tandberg C20 and C60			
H.323	Requires GK registration	Requires GK registration	
SIP	sip<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235
Tandberg Edge, Centric, and Settop MXP			
SIP	sip<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235

Refer to the *Using LifeSize Transit with LifeSize Bridge* technical note or your LifeSize Transit documentation for dialing patterns using LifeSize Transit in various deployment scenarios.

Contacting Technical Services

LifeSize Communications welcomes comments about our products and services. Send feedback about this or other LifeSize products to feedback@lifesize.com. Refer to lifesize.com/support for additional ways to contact LifeSize Technical Services.