Release Notes

LifeSize Bridge 2200

Release v2.0

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

Upgrading

After upgrading, you must turn off the LifeSize Bridge 2200, either by unplugging the MCU or using the power switch on the back, wait at least 15 seconds, and then power up the bridge again, in the following cases:

- You are upgrading from a release earlier than v1.5.
- You are upgrading from v1.5 or later but did not previously perform the power cycle procedure after upgrading from a version earlier than v1.5.

Caution: After you upgrade to this release, you cannot downgrade to a version earlier than 2.0.

New Features

Following are the new features in this release. Numbers in parentheses are used for internal tracking.

- Clustering of up to 10 16-port MCUs, allowing administrators to manage all MCUs in the cluster using a single IP address. Refer to the *LifeSize Bridge Deployment Guide* for more information about installing, configuring, and failover of clustered MCUs.
- Flexible port capacity including 8, 12, and 16 port MCUs. Eight and 12 port MCUs cannot be clustered or host expanded conferences.
- Prefix registrations enable unlimited on-demand virtual meeting rooms with up to 10,000 customizable rooms. For more information on prefix dialing and on demand + conferences, refer to the *LifeSize Bridge Deployment Guide*.
- You can no longer view CDRs from the LifeSize Bridge Utility, but instead can download them locally. Refer to the *LifeSize Bridge Deployment Guide* for more information. (HE-4532)
- You can create conference IDs that begin with a zero. (HE-3757)
- NTP time events have been added to the syslog. (HE-5399)

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- Time zones are automatically configured and daylight saving time is automatically adjusted in new conferences.
- Support for IPv6 with H.323 video calling on standalone bridges. Note the following limitations:
  - Access to LifeSize Bridge Utility through IPv6 is not supported.
  - LifeSize video systems only support gatekeeper registration with IPv4. If the LifeSize Bridge registers with IPv6, calls with these systems will fail. If you encounter this issue, contact LifeSize Technical Services for assistance. (HE-5960)
  - IPv6 with Cisco MCU 4220 is not supported.
  - High availability clustering does not support IPv6.

Resolved Issues

Following are the major resolved issues in this release. Numbers in parentheses are used for internal tracking.

- On a LifeSize Bridge managed by LifeSize Control, calls connected through the Virtual Operator drop shortly after joining the conference. This problem no longer occurs with LifeSize Control v5.5.3. (CTL-5500, HE-5739)
- Adaptive motion control is now activated past the 16th Virtual Operator call in a conference. (END-19329, HE-5290)
- When dialing out from the Call Manager, call statistics now refresh without having to navigate away from Call Manager and then return to it. (HE-4346)
- When dialing a SIP call using the Virtual Operator, the beginning of the audio message is no longer clipped. (HE-4296)
- Virtual Operator calls no longer fail after the maximum on demand conference limit is raised to make ports available. (HE-4197)
- Call Manager now displays columns and scroll bars correctly and can display up to 100 participants per conference. (HE-2623, HE-2726)
- Recurring conferences that span daylight savings time (DST) boundaries now show the correct time after a DST event. (HE-2510, 4408)
- Audio and video are now synchronized in a 16-way call with FIPS enabled. (HE-3482)
- In an ISDN call with H.323 participants, changing the presentation no longer fails. (HE-3449)
- Presentation frame rate no longer slows significantly or freezes in a 24-way conference. (HE-4569)
- Using ClearSea Client on a mobile device with LifeSize Bridge, the following issues have been addressed:
  - Layout control using far end camera control now works in SIP Virtual Operator calls. (HE-3968, 4489)
  - You can now join a 48-way SIP Virtual Operator conference as the 17th or later participant. (HE-3968, 4489)
  - SIP calls are no longer dropped when H.264 receive is disabled in ClearSea Client. (HE-3957)
  - In SIP calls, the Virtual Operator no longer interprets a single DTMF code as a double DTMF code, causing unexpected navigation. (MC-176)
  - When encryption is enabled and H.264 is disabled in ClearSea Client, presentations are no longer blank and do not contain pink artifacts. (MC-163)
- Calls through LifeSize Networker no longer negotiate lower resolution. (HE-5795)
- Packet loss issues have been addressed in this release. (HE-5851)
- Video from Tandberg C20 registered to Cisco UCM no longer appears blank. (HE-4339, HE-4058)
- Log levels now persist after a reboot. (HE-5906, HE-5111)

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- Spontaneous reboot issues have been addressed in this release. (HE-5553)
- Passwords are encrypted or removed in coroner files. (HE-4713)
- H.239 delays or failures have been addressed in this release. (HE-5484)
- The video aspect ratio for ClearSea Client participants is now correctly handled in LifeSize Bridge. (HE-4945)

Known Issues

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

LifeSize Transit

- TLS registration to LifeSize UVC Transit Server via LifeSize UVC Transit Client is not supported by the LifeSize UVC Transit Client. Therefore LifeSize Bridge fails to register to a SIP registrar on TLS with LifeSize UVC Transit Server and LifeSize UVC Transit Client deployment. (HE-3655)

Clustering

- You cannot edit conferences that could not be transferred from a failed media server because of a lack of resources. (HE- 5912)
- After editing or changing IP addresses for bridges in a cluster, existing on demand conferences might be unavailable. **Workaround:** Restart the bridges or dial the conferences directly. (HE-5870)

Failover

- A conference transferred to a new media server because of the failure of the conference's original media server might not be successfully moved should the new media server fail. (HE-6001)
- Redialing a disconnected conference may fail or the conference may not appear if resources are unavailable for the failover. **Workaround:** Wait for the master MCU to reboot before attempting to redial the conference. (HE-5934)
- A failover may cause dialing of predefined participants before the systems have fully cleared the previously failed connection. (HE-5381)
- After a master MCU failure, the LifeSize Bridge Utility no longer displays snapshots. **Workaround:** Close and log in to the utility again. (HE-5918)
- After a failover, call transfers may fail for ISDN calls hosted on LifeSize Networker. **Workaround:** Hang up the ISDN calls and redial the conference. (HE-5528)
- Layouts are not preserved after failover and revert to the conference default layout and the mute symbol might remain after you unmute a call. (HE-5958)
- When a media server fails, regional preference is ignored and conferences are transferred to the most available bridge in the cluster. (HE-5969)
- On demand conferences that are moved due to a media server failure might end up on a media server that currently has no unscheduled capacity leaving no capacity for the on demand conference, even though the administrator may subsequently add more capacity to the cluster. You must re-save the on demand conference to take advantage of additional capacity. (HE-5752, HE-5814)
- On demand conferences on failed media servers that can't be moved to a new host because of a lack of port resources still appear active in the bridge utility. If you attempt to add participants from the Call Manager, they will fail to connect. **Workaround:** Reboot the bridge. (HE-5994)
- After failover, SIP participants received blank or frozen presentation. **Workaround:** The SIP participant with frozen presentation must hang up, dial in, and restart presentation. Or another participant in the call must start and stop a presentation. (HE-5788, HE-6009))

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User Interface/Video

- Unable to change which system is the Lecturer after a conference is created. **Workaround:** Delete the original conference and re-create it with the new lecture assignment. (HE-5933)
- Video freezes for approximately 10 seconds on a LifeSize video system when it joins an H.263 only conference. (HE-4371)
- Video may appear black behind the password prompt when a LifeSize video system uses a dial string without the password for an H.323 conference that requires a password. (HE-4358)
- In a Lecture conference, if you add participants after the conference is live, some participants see themselves instead of the lecturer. (HE-4372)
- Snapshots in the layout editor of the LifeSize Bridge Utility may not refresh. **Workaround:** Exit and re-enter the layout editor. (HE-4309)
- When initiating a presentation from a Polycom HDX 7000K or LifeSize Passport, participants using LifeSize Desktop might not receive the presentation. (HE-3973)

Call Manager

- The Call Manager may display Virtual Operator calls by the default Virtual Operator instead of the user customized name. (HE-4088)
- LifeSize Bridge Call Manager can dial SIP and H.323 calls even after the protocol has been disabled in LifeSize Bridge. (HE-4001)

Upgrades/Licensing

- Incoming calls may be allowed during an upgrade and the upgrade will then fail. **Workaround:** Wait for the upgrade to complete before placing calls. (HE-4443)
- Upgrades from Linux systems using LifeSize Utility 1.1.0 may fail. **Workaround:** Use Windows or Mac OSX to upgrade the system. (HE-3665)
- After installing a special license (such as 4 port capacity, expanded conference), removing it will put your system into a bad state. **Workaround:** Reboot the system after removing a special license. (HE-5900)

Expanded Conferences/Cascading

- Password protected SIP calls fail to connect to cascaded conference. (HE-4550)
- Virtual Operator calls may fail when rejoining an expanded conference as the 48th participant. (HE-4175)
- The host MCU in a cascaded conference can be specified only by IP address when setting up the conference on the participant MCU. (HE-4117, 4115)
- 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)

H.261

- H.261 SIP calls to LifeSize Bridge may show blank video. **Workaround:** Dial in using H.323. (HE-5895, HE-4846)
- You may experience issues with H.261 ISDN calls on older systems. **Workaround:** Upgrade to the latest software release. (HE-3446, HE-3445, HE-3443)

LifeSize ClearSea Client

- When using the LifeSize ClearSea Client on mobile devices, you might experience the following issues:
  - Blank video and call disconnection on Motorola Xoom. (HE-3871)
  - Video corruption when last talker changes on HTC Sensation. (HE-3965)
  - Image is one quarter the expected size on the Samsung Galaxy S. (HE-3966)

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- H.261 calls cannot join a 48-way conference. **Workaround:** Enable H.263 or H.264 on the ClearSea Client. (HE-3961)

LifeSize Softphone

- LifeSize Bridge receives video artifacts from LifeSize Softphone in 1080p30 mode. (HE-3953)
- From LifeSize Softphone on Microsoft Windows 7, the Virtual Operator intermittently fails to play the audio announcement or to provide connection options. (HE-4030)

General

- When a LifeSize Bridge with prefix dialing enabled and two video communications devices are registered to LifeSize Transit Server with LifeSize Transit Client and an external gatekeeper, a dial out call to one of the video systems using its H.323 extension fails from an on demand + conference created by dialing an unused conference ID. **Workaround:** Prepend a prefix to the dial string that has a route created for it on LifeSize Transit Server to the LifeSize Transit Client tunnel ID. (HE-5975)
- A call muted in a conference is shown as unmuted after it is dragged to another conference. (HE-6008)
- A change to the log levels is not preserved after restarting the bridge. (HE-5920.HE-5919, HE-5907))
- In a dial out call to LifeSize Desktop, you cannot use far end camera controls to change the layout. (HE-5412)
- When multiple Ethernet ports are connected to the network, LifeSize Bridge establishes the lowest number port as the active port. If that port becomes disconnected, another connected port does not automatically become the active port. Therefore, calls and the LifeSize Bridge Utility cannot communicate with the bridge. **Workaround:** Reconnect the original active port, or issue the SSH command `set eth`*n* `active`, where *n* is the number of a connected port. (HE-5939)
- Swapping the values of conference and on demand + ID bounds results in an error and the values being reset. **Workaround:** Change and save the ranges separately. (HE-5150)
- Devices in an H.263 conference may disconnect immediately after joining. **Workaround:** Reset the LifeSize Bridge. (HE-4310)
- Dial out SIP calls may fail if the following characters are in the conference name: # @ ! $ % & ( ). (HE-4266)
- If you change the IP address of LifeSize Bridge, restart the bridge for conferences to function. (HE-4231)
- A presentation through LifeSize Virtual Link fails in an H.263 only conference. (HE-4162)
- Changing the maximum value for call data records (CDRs) may delete all existing CDRs. (HE-4083)
- LifeSize video systems attempting to join a conference at 1152 kb/s when the network limits the bandwidth to 256 kb/s disconnect after approximately 20 seconds.
- 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)
- Video and presentation bandwidth do not adjust when a low bit rate participant leaves the conference. (END-17968, HE-3294)
- Calls transferred to a conference from the Virtual Operator display the incorrect conference name in **Statistics** on the LifeSize video system. (HE-3135)

Product Limitations

Following are known limitations with LifeSize Bridge 2200. Numbers in parentheses are used for internal tracking.

- Conferences created with an earlier version do not display the time zone; viewed in this release, these conferences will default to the time zone in which the LifeSize Bridge Utility is running. Choose a different time zone with the same offset to adjust the default value. (HE-5880)
- When the master MCU goes down in a cluster, no information is sent to users to redial the call in the following cases:

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  - When the conference is hosted on the master MCU.
  - When devices automatically disconnect from the call before the server disconnects the call.
  - When there are multiple media servers but no standby MCU. (HE-4703)
- In a cluster environment, only one simultaneous expanded conference is supported.
- IPv6 is not supported in a clustering environment. For an IPV6 environment, deploy LifeSize Bridge standalone. (HE-5854)
- Pressing * to cancel entry of a password in a secure call results in the call disconnecting. (HE-3875)
- Enabling NIC bonding with Active Backup mode causes intermittent ping failures on LifeSize Bridge. **Workaround:** Ensure you are using static IP addresses only in Active Backup mode. Reboot the system under these conditions for consistent ping status. (HE-3690)
- 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 option is unsupported on Windows.
- All video systems participating in a conference must connect to LifeSize Bridge rather than another participant in the call; otherwise, you may experience unpredictable results, or presentations may fail. (HE-3129)
- SIP BFCP is unsupported. SIP presentations are supported only with LifeSize systems.
- If you use LifeSize Control to schedule conferences on LifeSize Bridge, do not also schedule them using the LifeSize Bridge Utility, as this approach can result in accidentally deleting conferences.
- In previous releases, a gateway setting via DHCP overrode 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 want to use a DHCP assigned value, 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)
- If 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 binds to DHCP, and the port connected to the laptop is accessible using the default 169.254.1.1 IP address. Use the admin shell to discover the bound address or to 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 Bridge is sharing Ethernet bandwidth with other workloads. Use auto speed and duplex settings. (HE-1682)
- 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 do not both have encryption enabled or disabled, you cannot connect successfully. The Virtual Operator answers but does 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)
- LifeSize Bridge sends 352x288 resolution video to participants in an H.263 conference. (HE-4121)

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Interoperability

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

Supplier	Products
Cisco	UCM: 7.1.3.10000-11, 7.1.3 Skinny client CP-7940: 8.1 (audio call only)
LifeSize	Video systems: 4.11.3, 4.11.1, 4.7.20 Passport: 4.11.3, 4.11.1 Phone: 4.5.3 Desktop: 2.0.2.191 Transit: 3.5.0 Networker: 3.1.2 Gatekeeper: 7.1, 7.1.2.12 Control: 5.5.3, 5.1 Multipoint 12/24: 5.7 Multipoint 230: 7.1 Multipoint MPT Extension: 5.7, 7.1 UVC Video Center: 2.0.3 UVC Transit: 4.0.3 UVC Access: 1.5.1, 1.0.1 LifeSize ClearSea Client iOS 5.0 with iPhone and iPad 2: 8.1.0, 8.0.18 iOS 4.3.5 with iPad 1: 8.1.0, 8.0.18 Mac OSX 10.6.7: 8.1.5, 8.0.19 Windows 7: 8.1.5, 8.0.19 Android 2.2 Samsung Galaxy S2: 8.1.1, 8.0.18 Android 2.3 Samsung Galaxy tab: 8.1.1. 8.0.18 Android 3.2 Motorola Xoom: 8.1.1, 8.0.18 LifeSize Softphone Windows 7: 8.1.5, 7.0.57 Mac OSX 10.6.7: 8.1.5, 7.0.55
Polycom	HDX series: 3.0.4-20259, 3.0.3 VSX series: 9.0.6 Via Video PVX: 8.0.16 Path Navigator: 7.0.14 (Gatekeeper functionality only), 7.0.14 Viewstation 512: 7.5.4 Viewstation FX: V.35 MP: 6.0.5 FX RMX 2000: 7.6.0.172, 7.6.0.141
Radvision	PRI P10 Gateway: 5.7.2.0.25
ShoreTel	Shoregear: 11 (16.5.8508.0)
SipX	sipXecs: 4.2.1
Sony	PCS-G70: 2.65 PGS-XG80: 2.31.00
Tandberg	C20 and C60: TC5.1.2.298652, TC4.2.1, TC4.0.1 EDGE, Centric, and Set-top MXP: F9.1.1 Codian 4220: 4.3 (1.68) Codian 4505: 4.3 (1.68)

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Interoperability Limitations

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

General

- SIP presentations are not supported on third party video systems and MCUs. (HE-4138)
- Presentations in cascaded conferences with third party MCUs may not appear for participants of some of the MCUs. **Workaround:** Ensure that all devices are using the same video codec. (HE-4078, HE-3795)
- LifeSize Bridge does not support the automatic adjustment of bandwidth speed 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, HE-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, 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)
- Use SIP to join a conference as an audio device. 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 in enabled. (HE-3232)
- DTMF navigation fails on a Polycom HDX 8000 in a SIP call to the Virtual Operator. **Workaround:** Use far end camera control navigation or dial the conference directly. (HE-3617)
- Audio and video may appear unsynchronized in a 2 way 1080p call with Polycom HDX 8000. (HE-1726)
- Polycom Path Navigator allows H.323 calls to LifeSize Bridge when the bridge is no longer registered. (HE-4294)
- Because of an issue with Polycom Via Video PVX, video in H.263 calls to LifeSize Bridge appear black or frozen for several seconds after connecting. (HE-4276)
- H.323 calls using the Virtual Operator when LifeSize Bridge is registered to Polycom Path Navigator may fail. (HE-4233)
- Audio is choppy for approximately 10 seconds upon connecting through RMX 2000. (HE-4215)

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)
- LifeSize video systems indicate an H.263+ ISDN video call through Radvision P10 Gateway is audio only. (HE-4219)

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- When you start a presentation on a LifeSize video system on ISDN registered to Radvision P10 Gateway and Radvision gatekeeper, the video on the LifeSize video system may appear corrupted for several seconds. (HE-4206)

ShoreTel

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

SipX

- The Virtual Operator takes approximately 15 seconds to appear in a call between a LifeSize video system and LifeSize Bridge 2200 when both are registered to sipXecs. (HE-4363)

Sony

- SIP calls from a Sony XG80 fail if SIP Server Mode is enabled. **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, HE-3217, HE-3164, HE-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 changes to the lower priority codec. As a result, the video fails. (HE-3335)
- Voice prompts sent to the Sony XG80 are cut off. (HE-1808)
- The Sony XG80 requires 3 MB bandwidth for 720p60 resolution. (HE-3218)
- In an expanded conference, Sony PCS-XG80 may connect as audio only or disconnect prematurely. Presentations may produce blank video, and primary video may freeze. (HE-3700, HE-4282)

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 calls dialed from LifeSize Bridge. (HE-3190)
- Video artifacts might appear in a 4 way SIP TLS call with Tandberg 1000 MXP and LifeSize Bridge. (HE-3509)
- H.263 calls to Tandberg devices through LifeSize Networker may connect as voice only. **Workaround:** Use H.264 for these calls. (HE-4244)
- Tandberg C60 does not become the active speaker in an expanded conference. (HE-4270)
- In a cascaded conference, video on a LifeSize video system connected to a participant conference on a Codian 4202 MCU flashes green for approximately 10 seconds upon connecting. (HE-4216)
- Tandberg C20 call might disconnect if the conference it is in is transferred to another MCU during cluster failover. **Workaround:** Dial back into the conference. (HE-5995)
- Tandberg MXP video might be corrupted if the conference it is in is transferred to another MCU during cluster failover. **Workaround:** Hang up and dial back into the conference. (HE-5614)

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Dialing Patterns

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

Aethra X3

Protocol	*Without password*	*With password*	*Example*
H.323	<ip> in the dial field <id> in the extension field	password unsupported; defaults to Virtual Operator	

LifeSize

Protocol	*Without password*	*With password*	*Example*
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

Protocol	*Without password*	*With password*	*Example*
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

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Sony XG80/G70

Protocol	*Without password*	*With password*	*Example*
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 gatekeeper registration	Requires gatekeeper registration	
SIP	sip<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235
IPv6	Dial bridge IPv6 address, join the virtual operator, then switch to the respective conference		
Tandberg Edge, Centric, and Set-top MXP			
SIP	sip<id>@<ip>	<id>:<pw>@<ip>	1000:1234@10.95.11.235

Refer to the *LifeSize Transit Deployment Guide* for dialing patterns when 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.

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