

# LifeSize<sup>®</sup> Virtual Link™ Installation Guide

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### **Welcome to LifeSize Virtual Link**

LifeSize Virtual Link allows LifeSize Passport to share IP-based presentation data during a call.

**Note:** For the most current product information, including a summary of new features, resolved and known issues, interoperability with third party products, and documentation errata, refer to the *Release Notes* at <a href="www.lifesize.com/support">www.lifesize.com/support</a>.

## **System Requirements**

Operating Systems	Windows XP SP2, SP3, 32-bit and 64-bit versions Windows 7, 32-bit and 64-bit versions Windows Vista SP1, Ultimate, Business and Enterprise, 32- and 64-bit versions
CPU	Dual Core AMD processors 2.1 GHz or higher Pentium Core Duo or Core 2 Duo 2.1 GHz or higher
Memory	2 GB
Disk Space	50 MB
Software	Adobe AIR 2.0
Minimum Call Bandwidth	384 kb/s (H.264) 512 kb/s (H.263)

**Note:** LifeSize Virtual Link and LifeSize Passport must be in the same LAN, or the computer running LifeSize Virtual Link must be connected to the network through VPN. LifeSize Virtual Link does not process requests through NAT or firewall traversal.

### **Before You Begin**

Ensure that your systems meet the following prerequisites before you install LifeSize Virtual Link:

- LifeSize Passport must be running version 4.7 or later. System software upgrades are available to licensed users at <a href="www.lifesize.com/support">www.lifesize.com/support</a>. Refer to the LifeSize Passport User Guide for upgrade instructions.
- LifeSize Virtual Link requires Adobe AIR 2.0 to communicate with LifeSize Passport. Adobe AIR 2.0 must be installed on the computer that is running LifeSize Virtual Link. Browse to <a href="mailto:get.adobe.com/air">get.adobe.com/air</a> to download the application.
- You can prepopulate video system entries in LifeSize Virtual Link by editing the
   EndpointList.xml file that is included with the application. Your video system entries
   are copied during installation. With this method, PC users are not required to add
   systems individually. Refer to "Prepopulating Video System Information" on page 5.
- TCP port 443 and the UDP reserved port range (60,000 to 64999) must be available to allow communication between LifeSize Virtual Link and LifeSize Passport.

### **Downloading the Application Software**

- 1. Access www.lifesize.com/support.
- 2. Click Download Software.
- In the Serial number box, enter Virtual Link and then click Submit.
- 4. Click the link for the software version you want to download.
- 5. Complete the registration form and click **Download**.

### Installing LifeSize Virtual Link on Windows

- 1. Navigate to the location of the installer file you downloaded.
- Double-click Setup.exe to start the installation.

**Note:** If Adobe AIR 2 is not installed on your computer, you are prompted to first install the application. Click **Yes** to display the Adobe AIR site. After installing Adobe AIR 2, launch the LifeSize Virtual Link installer again.

- From the Welcome screen, click Next.
- 4. Click I Agree to accept the license agreement, and then click Next.

- Accept the default installation location, or browse to a different location, and then click Next.
- By default, the installation adds a shortcut to your desktop and Start menu and starts
   LifeSize Virtual Link after the application is installed. Clear or select the desired options
   and click Next.
- 7. From the **Confirm Installation** screen, click **Next**.
- 8. After the application is installed, click Close.

## Adding Systems to LifeSize Virtual Link

- 1. Launch LifeSize Virtual Link either by double-clicking the LifeSize Virtual Link shortcut or by selecting **Start>All Programs>LifeSize Virtual Link**.
- Click Add.
- 3. Enter a system name, IP address, and location, and then click **Save**.

The system name appears in the main window (under the **All** tab). A system's status can be one of the following values:

- Unavailable. The video system is offline.
- **Available**. The video system is available to participate in a call.
- In a Call. The video system is participating in a call.
- Presenting. The video system is participating in a call; and sending or receiving a presentation.
- 4. If a system is **In a Call** or **Presenting**, click to share the presentation data. A confirmation screen appears on the video system display. Click **Yes** to start the presentation.

**Note:** System status is refreshed every minute and when you click presentation. Even if the displayed status is not **In a Call** or **Presenting**, you might still be able to start the presentation.

### **Prepopulating Video System Information**

Prepopulate video systems in LifeSize Virtual Link across the enterprise by editing the **EndpointList.xml** file to configure multiple systems. This XML file is included with the application software.

Ensure that the file is in the same directory as the LifeSize Virtual Link installer before you install the application. The installer uses the video system information in the XML file to create system entries in LifeSize Virtual Link.

The **EndpointList.xml** file uses the following format:

### Arguments:

<room name=""></room>	Name of the video communications system. Value is limited to 25 ASCII characters.
<ipaddress></ipaddress>	Valid IP address.
<fav></fav>	Denotes whether a system is in Favorites. Valid values are 1 or 0. The default value of 0 indicates that the system is not in Favorites. Typically, PC users will specify the video systems that are in Favorites for their LifeSize Virtual Link installation.
<type></type>	Reserved for later use. Leave this set to the default value of 0.
<location></location>	Physical location of the video system. Value is limited to 25 characters.

# Logging

Change the logging level from the Settings window. The following logging levels are available:

- No Logging. Default setting.
- **Info**. Logging level for all messages, including information, warnings, and errors. The Info logging level provides the largest amount of logging information.

- Warning. Logging level for warnings and errors. A warning might occur when an
  operation completes with issues. For example, a PC user might attempt to start a
  presentation when a system is not in a call.
- **Error**. Logging level for error conditions only. The Error logging level provides the smallest amount of logging information.

With logging turned on, LifeSize Virtual Link writes log files to the following locations, depending on your operating system:

#### Windows XP

C:\Documents and Settings\UserName\
 Application Data\LifeSizeVirtualLink\Local Store\logs

#### Windows 7 and Windows Vista

C:\Users\UserName\AppData\Roaming\LifeSizeVirtualLink\
Local Store\logs

**Note:** You might need to set your operating system to show hidden files and folders to display log files.

### **Presentation Quality**

Change the presentation quality from the **Settings** window.

- Change Screen Resolution for Presentations. When selected, LifeSize Virtual Link changes the screen resolution of the computer desktop to 1024 x 768 (XGA) before sending the presentation data. By default, this setting is not checked. Selecting this setting reduces CPU load.
- Screen Capture Rate. Specifies the number of screens captured per second. By default, this setting is 5. The screen capture rate affects CPU use, reducing CPU load as you lower the rate. A lower screen capture rate can affect presentation quality.

**Note:** LifeSize Virtual Link sends presentation data to the near end video system at XGA resolution (1024 x 768). The near end video system then forwards the presentation data to the far end without changing the resolution.

For H264 streams, LifeSize recommends increasing the presentation bandwidth to 256 kb/s. Specify this value by opening Settings.xml and setting a value for <StreamBandwidth>.