



# LifeSize<sup>®</sup> Transit<sup>™</sup> Installation Guide

---

June 2011

LifeSize Transit Server  
LifeSize Transit Client

# Installation Overview

This guide describes how to install the LifeSize Transit Server and LifeSize Transit Client as 1U rack-mountable devices. For information about installing LifeSize Transit Server and LifeSize Transit Client as virtual appliances, refer to the *LifeSize Transit Virtual Appliance Installation Guide*.

Installing LifeSize Transit includes:

- Installing the server and optional client
- Initial software configuration
- Configuring settings from the web administration interfaces for server, client, video systems, and your firewall

Refer to the *LifeSize Transit Deployment Guide* for information about how to complete these tasks for your deployment scenario. This guide and related documents are available on the product CD-ROM and at [lifesize.com/support](https://lifesize.com/support).

## Installation Prerequisites

Complete the following tasks before installing LifeSize Transit:

- Read the *LifeSize Transit Deployment Guide* to determine the proper placement of LifeSize Transit components in your network and the associated firewall requirements. LifeSize Transit Client resides in your private network behind a firewall. LifeSize Transit Server resides in the DMZ on your network.
- Read the *LifeSize Transit Safety and Regulatory Notices* for important safety information.
- Obtain two static public IP addresses for LifeSize Transit Server—one for the signaling server and one for the media server.
- Obtain the IP addresses of a primary and secondary DNS server for configuring LifeSize Transit Server. These can be public DNS servers. LifeSize Transit Server fails to function properly if a valid DNS server is not available.
- If your installation includes LifeSize Transit Client, obtain a static private IP address for this device.
- Obtain a network cable for each LifeSize Transit device that you intend to connect to your network.
- Obtain a serial console running at 38,400 baud, no parity (N, 8, 1). This is required to complete the initial software configuration for the server and client.

# LifeSize Transit Components

## Server:

- LifeSize Transit Server (a 1U rack-mountable device)
- 3 meter (9.8 feet) RS-232 null modem serial cable
- power cord

## Client:

- LifeSize Transit Client (a 1U rack-mountable device)
- 3 meter (9.8 feet) RS-232 null modem serial cable
- power cord

# Physical Deployment Considerations

Choose a location in a clean, dust-free area that is well ventilated. Avoid areas where heat, electrical noise, and electromagnetic fields are generated. Choose an area near a grounded power outlet.

## Rack Mounting Considerations

You can mount LifeSize Transit Server and LifeSize Transit Client without the use of rails. Before you install the server or client in a rack, consider the following:

Consideration	Description
Rack Stability	Ensure that the leveling jacks on the bottom of the rack are fully extended to the floor with the full weight of the rack resting on them. In a single rack installation, attach stabilizers to the rack. In multiple rack installations, couple the racks together.
Air Flow and Access	Leave enough clearance (approximately 25 inches or 63.5 centimeters) in front of the rack to enable you to open the front door completely. Leave approximately 30 inches (76.2 centimeters) of clearance in the back of the rack to allow for sufficient airflow and ease in servicing.
Ambient Operating Temperature	If you install the device in a closed or multi-unit rack assembly, the ambient operating temperature of the rack environment may be greater than the ambient temperature of the room. Therefore, consider installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature.
Circuit Overloading	Consider the connection of the equipment to the power supply circuitry and the effect that any possible overloading of circuits might have on overcurrent protection and power supply wiring. Give appropriate consideration to equipment nameplate ratings when addressing this concern.
Reliable Ground	A reliable ground must be maintained at all times. To ensure this, the rack itself should be grounded. Pay particular attention to power supply connections other than the direct connections to the branch circuit (the use of power strips, for example.)

# Installing LifeSize Transit

The same hardware installation procedure applies to both LifeSize Transit Server and LifeSize Transit Client. However, the initial configuration is specific to the device and described in separate sections in this guide.

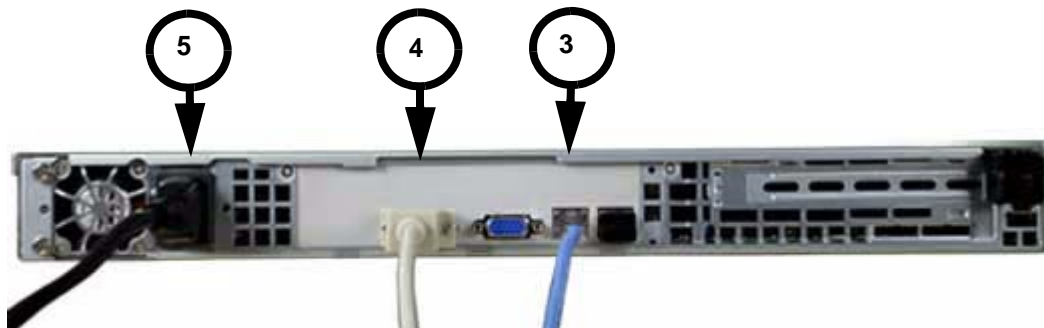
---

**NOTE** LifeSize Transit Server and LifeSize Transit Client are only differentiated by their product labels. When installing the devices, check the product label to ensure that you are installing the device in the intended location.

---

1. Remove all components from the product packaging, including cables, and place them in the desired positions in your environment.
2. *Optional:* The device includes two rack mounting brackets located on each side at the front of the chassis. To mount the device into a rack, screw these brackets directly to the front of the rack (two screws for each bracket).

The numbers in the following photograph correspond to the numbered steps that follow it.



3. Insert a network cable into network port 1 on the back of the device. Insert the opposite end of the network cable into a network port on the wall. Network port 2 contains a plug and is reserved for future use.
4. Ensure that your console terminal is running at 38,400 baud, no parity (N, 8, 1). Connect your console to the serial port for the initial configuration using the included serial cable.
5. Insert the power cord into the back of the device and the opposite end into a grounded power outlet.
6. Press the power button on the front of the device.
7. Complete the initial configuration. Refer to [LifeSize Transit Server Initial Configuration](#), or [LifeSize Transit Client Initial Configuration](#).

# LifeSize Transit Server Initial Configuration

After you apply power, the device boots, and you are prompted to configure it the first time. If the configuration does not automatically appear on your console, press **Enter** to display it. You can return to this configuration at any time to change settings (such as server IP addresses or the administrator password), restart the device, or load default settings.

The initial configuration screen for LifeSize Transit Server includes a series of numbered options that you access by entering the number associated with the setting that you wish to modify. You can also access help for each option by entering **H**.

1. *Optional:* You can change the date and time of the system clock from the **Set Date and Time** setting.  
Enter the date in the following format: MMDDHHmmYYYY, where MM is the month, DD is the date, HH is the hour (in 24-hour format), mm is the minute, and YYYY is the year. For example, August 10, 2010, 3:30 pm is the following:  
081015302010
2. Enter the IP address, subnet mask, and gateway for the signaling server.
3. Enter the IP address for the media server.

---

**NOTE** Either use the static IP address you set aside for these servers directly, or set up NAT to map these servers to the static IP addresses. If you use NAT, enter the private addresses during initial configuration. You can set up these private address through the console mode only and not through the web administration UI. Read the *LifeSize Transit Deployment Guide* to determine the proper placement of LifeSize Transit components in your network and the associated firewall requirements.

---

4. Enter the IP address for the primary and secondary DNS server.
5. *Optional:* If you lose access to the web administration interface administrator account, you can reset the administrator username and password (*admin* for both). LifeSize recommends you change the administrator password once you regain access to the web administration interface.
6. After making your changes, choose **Save Settings and Restart System**.  
The server restarts in maintenance mode so that you can complete your server configuration. You must exit maintenance mode to start processing calls.
7. Refer to the *LifeSize Transit Deployment Guide* to complete additional software configuration tasks in the web administration interface of LifeSize Transit Server, on your firewall, and, if applicable to your deployment, on video communications systems that you intend to use with LifeSize Transit. The guide is available at [lifesize.com/support](http://lifesize.com/support).

# LifeSize Transit Client Initial Configuration

After you apply power, the device boots, and you are prompted to configure it the first time. If the configuration does not automatically appear on your console, press **Enter** to display it. You can return to this configuration at any time to change settings (such as the IP address or administrator password), restart the device, or load default settings.

The initial configuration screen for LifeSize Transit Client includes a series of numbered options that you access by entering the number associated with the setting that you wish to modify. You can also access help for each option by entering **H**.

1. *Optional:* You can change the date and time of the system clock from the **Set Date and Time** setting.  
Enter the date in the following format: MMDDHHmmYYYY, where MM is the month, DD is the date, HH is the hour (in 24-hour format), mm is the minute, and YYYY is the year. For example, August 10, 2010, 3:30 pm is the following:  
  
081015302010
2. By default, the **IP Source** setting is **Static**. Optionally, you can change this to acquire the IP address through DHCP.
3. Enter the client IP address, subnet mask, gateway, and DNS server IP addresses.
4. *Optional:* If you lose access to the web administration interface administrator account, you can reset the administrator username and password (*admin* for both). LifeSize recommends you change the administrator password once you regain access to the web administration interface.
5. After making your changes, choose **Save Settings and Restart System**.  
The client restarts in maintenance mode so that you can complete your client configuration. You must exit maintenance mode to start processing calls.
6. Refer to the *LifeSize Transit Deployment Guide* to complete additional software configuration tasks in the web administration interfaces of LifeSize Transit Server and LifeSize Transit Client, on your firewall, and, if applicable to your deployment, on video communications systems that you intend to use with LifeSize Transit. The guide is available at [lifesize.com/support](http://lifesize.com/support).






## Power and Reboot

The power button applies or turns off the main system power. Turning off the system power with this button removes the main power but keeps standby power supplied to the system.

The **Reset** button on the front panel reboots the system.

## LED Status

The LED indicators, from left to right on the front of the device, indicate the following conditions:

LED	Icon	Indicator
Overheat/Fan Failure		When flashing, indicates a fan failure. When on continuously, it indicates an overheat condition, which may be caused by cables obstructing the airflow in the system or the ambient room temperature being too warm. Check to ensure that the chassis cover is installed securely. This LED remains flashing or on continuously for as long as the condition exists.
NIC2		Reserved for future use.
NIC1		When flashing, Indicates network activity on LAN1.
HDD		Reserved for future use.
Power		Indicates power is being supplied to the system's power supply unit. This LED should be illuminated when the system is operating.

**Copyright Notice**

©2006–2011 Logitech, and its licensors. All rights reserved.

LifeSize Communications, a division of Logitech, has made every effort to ensure that the information contained in this document is accurate and reliable, but assumes no responsibility for errors or omissions. Information in this document is subject to change without notice. Companies, names, and data used in examples herein are fictitious unless noted. This document contains copyrighted and proprietary information which is protected by United States copyright laws and international treaty provisions. No part of the document may be reproduced or transmitted, in any form or by any means, electronic or mechanical, for any purpose, without the express written permission from LifeSize Communications.

**Trademark Acknowledgments**

LifeSize, the LifeSize logo and other LifeSize marks, are registered trademarks or trademarks of Logitech. All other trademarks are the property of their respective owners.

**Patent Notice**

For patents covering LifeSize® products, refer to [lifesize.com/support/legal](http://lifesize.com/support/legal).

**Contacting 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](mailto:feedback@lifesize.com). Refer to [lifesize.com/support](http://lifesize.com/support) for additional ways to contact LifeSize Technical Services.