



LifeSize Phone™

***Configuring the Cisco CallManager
for use with LifeSize Phone™***



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<i>Method</i>	<i>Address</i>
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Fax	(512) 347-9301

Configuring the Cisco CallManager for LifeSize Phone

LifeSize Phone is supported with the Cisco CallManager (CCM) version 3.x or higher. To register your LifeSize Phone with the Cisco CallManager, follow these steps.

1. Log in to the Cisco CallManager.
2. Click the **Add a Phone/Device** button.
3. Select **H.323 Client** from the list.
4. On the **Device/Phone Configuration** page, enter a device name for your LifeSize Phone (for example, *LifeSize*).
5. Enter a number for your LifeSize Phone on the CCM in the **Directory Number** field.

The screenshot shows the Cisco CallManager 3.1 Administration interface in a Microsoft Internet Explorer browser window. The page title is "Directory Number Configuration". At the top, there are buttons for "Update", "Delete", "Restart Devices", and "Cancel Changes". The main content area is divided into several sections:

- Directory Number**: Directory Number* (117), Partition (<None>)
- Directory Number Settings**: Voice Message Box (117), Calling Search Space (<None>), User Hold Audio Source (<None>), Network Hold Audio Source (<None>), Call Waiting (Default), Activate Auto Answer (Not available on this device).
- Call Forward and Pickup Settings**: A table with columns "Destination" and "Calling Search Space". Rows include Forward All, Forward Busy, Forward No Answer, and Call Pickup Group, all with "<None>" in the Calling Search Space column.
- Line Settings for this Device**: Display (Internal Caller ID), External Phone Number Mask, and Disable ring on this line (Not available on this device).

A note at the bottom states: "* indicates required item; changes to Line or Directory Number settings require restart."

6. Click the **Update** button.
7. To insure that the CCM has saved the correct settings for your LifeSize Phone, review the information from the Cisco IOS command prompt as described in the following sections.

Configuring the Gateway for Your LifeSize Phone

To insure that the Cisco CallManager has saved the correct settings for your LifeSize Phone, review the following information and edit as necessary.

Access the Cisco IOS command prompt and ensure that the network interface of the gateway is configured for the LifeSize Phone to register, as shown in the following example:

```
interface GigabitEthernet0/0
h323-gateway voip interface
h323-gateway voip id gk0 ipaddr 10.10.8.1 1719 priority 1
h323-gateway voip h323-id pbx0@lifesize.com
h323-gateway voip tech-prefix 1#
h323-gateway voip bind srcaddr 10.10.8.1
!
```

Configuring the Gatekeeper on the Cisco Router

Access the command line of the Cisco router and ensure that the gatekeeper is configured for the LifeSize Phone to register, as shown in the following example:

```
gatekeeper
zone local gk0 lifesize.com
gw-type-prefix 1#* default-technology
no shutdown
!
```

Adding a Dial Plan to the Cisco CallManager

To place calls with your LifeSize Phone through the Cisco CallManager, you must first add a dial plan. You can add a plan from the CCM interface or from the Cisco command line prompt. For more information about dial plans, navigate to the following URL:






```
http://www.cisco.com/en/US/products/sw/voicesw/ps556/products\_tech\_note09186a0080094b2a.shtml
```

Once you have added a dial plan, review it from the Cisco command line prompt to ensure it is properly configured for your LifeSize Phone, as shown in the following example:


```
dial-peer voice 428 voip
answer-address 42[78].
destination-pattern 42[78].
session target ras
dtmf-relay h245-alphanumeric
codec g711ulaw
no vad
!
```

Configuring Your LifeSize Phone for CCM

You must also configure some settings on your LifeSize Phone to operate with the CCM. To ensure that you have set up your LifeSize Phone to register with the CCM, follow these steps:

1. Log in to the **Admin Menu** on your LifeSize Phone.
The **Admin Menu** provides access to advanced preferences for audio, communications, and user preferences. To access the **Admin Main Menu**, follow these steps:
 - a. Press     sequentially when the phone is idle.
 - b. Enter the default admin password 1 2 3 4 and press .
2. Press **1** on the keypad to select **Preferences**.
3. Press **2** on the keypad to select **Communications**.
4. Press **2** on the keypad to select **H.323**.
5. Set the H.323 preferences:







Menu Option	Example Value	Description
H.323 Name	LifeSize	Enter the name of the device used when making calls with the H.323 protocol.
H.323 Extension	1234	Enter the extension of the device used when making calls with the H.323 protocol.
Gatekeeper ID	gk0	Enter the ID of the H.323 gatekeeper.
Gatekeeper Mode	Manual	Select the mode the device uses to contact the H.323 gatekeeper.
Gatekeeper Hostname 1	10.10.8.1	Enter the IP address of the primary H.323 gatekeeper.
Gatekeeper Port 1	1719	Enter the IP port number of the primary H.323 gatekeeper.
Gatekeeper Hostname 2	10.10.8.1	Enter the IP address of the secondary H.323 gatekeeper.
Gatekeeper Port 2	1719	Enter the IP port number of the secondary H.323 gatekeeper.

6. Reboot your LifeSize phone.
7. Log in to the **Admin Menu** of your LifeSize Phone as described in Step 1.
8. Press **1** on the keypad to select **Preferences**.
9. Press **2** on the keypad to select **Communications**.
10. Press **2** on the keypad to select **H.323**.
11. Press the  key to scroll to page 4 of the H.323 menu options.
12. Ensure the following values have been configured:

Menu Option	Example Value	Description
Gatekeeper Status	Registered	Displays the status of the H.323 gatekeeper registration for the device.
Auto Gatekeeper Address	10.10.8.1	When Gatekeeper Mode is set to 'Auto', displays the discovered H.322 gatekeeper IP address.
Auto Gatekeeper Port	1719	When Gatekeeper Mode is set to 'Auto', displays the discovered H.322 gatekeeper IP port number.
H.235 Tunneling	Disabled	Choose Enabled to use H.235 tunneling.

Using the LifeSize Phone Keypad During Configuration

The following keys provide navigation during configuration:

Keypad Key	Function
	Toggles values, activates the cursor in a field, and accepts changes to a field.
	Behaves as up and down keys when scrolling through preferences. Volume Down also changes the text entry mode when editing a text field.
	Behaves as Back when returning to a previous screen or Backspace during text entry.
	Behaves as Cancel when changing preference values.
	Moves a selected item down in an ordered list.
	Moves a selected item up in an ordered list.

Configuration from a Web Browser

You can also configure your LifeSize Phone from a web browser by navigating to the URL displayed at the bottom of the **Admin Main Menu** on your LifeSize Phone. On the login screen, choose the language in which to display the interface, enter the admin password, and click **Submit**.

You must have Flash Player version 7 or higher installed and configured on your web browser to access the administrator configuration from a web browser. You can download the Flash Player from www.macromedia.com.

