



Cisco Unified SIP Phone 3905 Release Notes for Firmware Release 9.4(1) SR1

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Introduction

These release notes support the Cisco Unified SIP Phone 3905 running Firmware Release 9.4(1) SR1.

The following table lists the Cisco Unified Communications Manager release and protocol compatibility for the Cisco Unified SIP Phone 3905.

Cisco Unified IP Phone	Protocol	Cisco Unified Communications Manager
Cisco Unified SIP Phone 3905	SIP	Cisco Unified Communications Manager Release 7.1(5) and later.

Related Documentation

Use the following sections to obtain related information.

Cisco Unified SIP Phone 3905 Documentation

Refer to publications that are specific to your language, phone model and Cisco Unified Communications Manager release. Navigate from the following documentation URL:

<http://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-sip-phone-3900-series/tsd-products-support-series-home.html>

Cisco Unified Communications Manager Documentation

See the *Cisco Unified Communications Manager Documentation Guide* and other publications that are specific to your Cisco Unified Communications Manager release. Navigate from the following documentation URL:

<http://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/tsd-products-support-series-home.html>

Cisco Business Edition 3000 Documentation

See the *Cisco Business Edition 3000 Documentation Guide* and other publications that are specific to your Cisco Business Edition 3000 release. Navigate from the following documentation URL:

<http://www.cisco.com/c/en/us/support/unified-communications/business-edition-3000/tsd-products-support-series-home.html>

Cisco Business Edition 5000 Documentation

See the *Cisco Business Edition 5000 Documentation Guide* and other publications that are specific to your Cisco Business Edition 5000 release. Navigate from the following URL:

<http://www.cisco.com/c/en/us/support/unified-communications/business-edition-5000/tsd-products-support-series-home.html>

New and Changed Features

The following sections describe the features that are new or have changed in this release.

**Note**

Failure to install the Device Package before the phone firmware upgrade may render the phones unusable.

Features Available with Firmware Release

The following sections describe the features available with the Firmware Release.

Call Admission Control

The Call Admission Control feature enables the user to hear a fast busy tone and see the message `Not enough bandwidth` on the phone LCD when the Cisco Unified Communications Manager rejects the call because of bandwidth or policy reasons.

If users see frequent `Not enough bandwidth` messages, the administrator may need to change the available bandwidth on the Cisco Unified Communications Manager.

Installation

Install Firmware Release on Cisco Unified Communications Manager

Before using the Cisco Unified SIP Phone 3905 Firmware Release 9.4(1) SR1 with Cisco Unified Communications Manager, you must install the latest firmware on all Cisco Unified Communications Manager servers in the cluster.

Procedure

- Step 1** Go to the following URL:
<http://software.cisco.com/download/navigator.html?mdfid=280896546&i=rm>
- Step 2** Choose **Cisco Unified SIP Phone 3900 Series**.
- Step 3** Choose **Cisco Unified SIP Phone 3905**.
- Step 4** Choose **Session Initiation Protocol (SIP) Software**.
- Step 5** In the Latest Releases folder, choose **9.4(1)SR1**.
- Step 6** Select the following firmware file, click the **Download** or **Add to cart** button, and follow the prompts:
- `cmterm-3905.9-4-1SR1-3.cop.sgn`
- Note** If you added the firmware file to the cart, click the **Download Cart** link when you are ready to download the file.
- Step 7** Click the + next to the firmware file name in the Download Cart section to access additional information about this file. The hyperlink for the readme file is in the Additional Information section, which contains installation instructions for the corresponding firmware:
- `cmterm-3905-sip-9-4-1SR1-3-readme.html`
- Step 8** Follow the instructions in the readme file to install the firmware.
-

Install Firmware Zip Files

If a Cisco Unified Communications Manager is not available to load the installer program, the following .zip files are available to load the firmware.

- cmterm-3905.9-4-1SR1-3.zip

Firmware upgrades over the WLAN interface may take longer than upgrades using a wired connection. Upgrade times over the WLAN interface may take more than an hour, depending on the quality and bandwidth of the wireless connection.

Procedure

- Step 1** Go to the following URL:
<http://software.cisco.com/download/navigator.html?mdfid=284883944&i=rm>
- Step 2** Choose **Cisco Unified SIP Phone 3900 Series**.
- Step 3** Choose **Cisco Unified SIP Phone 3905**.
- Step 4** Choose **Session Initiation Protocol (SIP) Software**.
- Step 5** In the Latest Releases folder, choose **9.4(1)SR1**.
- Step 6** Download the relevant zip files.
- Step 7** Unzip the files.
- Step 8** Manually copy the unzipped files to the directory on the TFTP server. See *Cisco Unified Communications Operating System Administration Guide* for information about how to manually copy the firmware files to the server.
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Limitations and Restrictions

Voice VLAN and IPv6 Limitation

If the PC attached to the PC port of the phone is using IPv6, we recommend that the PC Voice LAN access be disabled. This ensures that the PC can connect to the Voice VLAN.

Phone Behavior During Times of Network Congestion

Anything that degrades network performance can affect Cisco IP Phone voice and video quality, and in some cases, can cause a call to drop. Sources of network degradation can include, but are not limited to, the following activities:

- Administrative tasks, such as an internal port scan or security scan
- Attacks that occur on your network, such as a Denial of Service attack

To reduce or eliminate any adverse effects to the phones, schedule administrative network tasks during a time when the phones are not being used or exclude the phones from testing.

Unified Communications Manager Endpoints Locale Installer

By default, Cisco IP Phones are set up for the English (United States) locale. To use the Cisco IP phones in other locales, you must install the locale-specific version of the Unified Communications Manager Endpoints Locale Installer on every Cisco Unified Communications Manager server in the cluster. The Locale Installer installs the latest translated text for the phone user interface and country-specific phone tones on your system so that they are available for the Cisco IP Phones.

To access the Locale Installer required for a release, access <http://software.cisco.com/download/navigator.html?mdfid=286037605&flowid=46245>, navigate to your phone model, and select the Unified Communications Manager Endpoints Locale Installer link.

For more information, see the “Locale Installer” section in the *Cisco Unified Communications Operating System Administration Guide*.

**Note**

The latest Locale Installer may not be immediately available; continue to check the website for updates.

Caveats

Access Cisco Bug Search

Known problems (bugs) are graded according to severity level. These release notes contain descriptions of the following:

- All severity level 1 or 2 bugs
- Significant severity level 3 bugs

You can search for problems by using the Cisco Bug Search.

Before You Begin

To access Cisco Bug Search, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

Procedure

- Step 1** To access the Cisco Bug Search, go to:
<https://tools.cisco.com/bugsearch>

Step 2 Log in with your Cisco.com user ID and password.

Step 3 To look for information about a specific problem, enter the bug ID number in the Search for field, then press **Enter**.

Open Caveats

The following table lists severity 1, 2, and 3 defects that are open for the Cisco Unified SIP Phone 3905 for Firmware Release 9.4(1)SR1.

For more information about an individual defect, you can access the online record for the defect using the Bug Toolkit. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, the table reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in [Access Cisco Bug Search, on page 5](#).

Table 1: Open Caveats for Firmware Release 9.4(1)SR1

Identifier	Headline
CSCug96869	Not request new address after DHCPv6 assigned address duplicated
CSCuh02720	Take long time to bootup if DHCPv4 server shutdown
CSCuh10981	No DSCP to 802.1Q priority mapping for both IPv4 and IPv6
CSCuh15911	Phone should keep re-provision if version stamp mismatch
CSCuh51331	Phone stuck after IPv6 isic6 attack
CSCuh91119	Phone stuck during Codenomicon HTTP Server/TCP for IPv4 suite testing
CSCui16740	Attack RTP port during active call, one-way voice occurs
CSCui21409	3905:DUT will restart and change IPv6 address when running ISIC
CSCui57035	Phone stuck after 10 hours DHCP_option and VLAN_Flapping stress
CSCuj73157	Not re-request config file if get TFTP "Disk full or allocation exceed"
CSCun58512	Can't transfer after set CFwdAll and answer call in same pickup group

Resolved Caveats

The following table lists severity 1, 2, and 3 defects that are resolved for the Cisco Unified SIP Phone 3905 for Firmware Release 9.4(1)SR1.

For more information about an individual defect, you can access the online record for the defect using the Bug Toolkit. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, the table reflects a snapshot of the defects that were resolved at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in [Access Cisco Bug Search](#), on page 5.

Table 2: Resolved Caveats for Firmware Release 9.4(1)SR1

Identifier	Headline
CSCun72951	3905 stuck in provisioning
CSCuo28512	phone receives 403 sip error message for an outgoing call, 3905 do not give a busy tone
CSCuo52986	pick up group display issue
CSCuo99664	CP-3905 fails to transfer call after pickup
CSCup05346	3905 randomly request FAC codes
CSCup14852	3905 phone is not resolving DNS
CSCup79831	3905 phones do not increase the seconds elapsed counter in DHCP requests
CSCup92407	CP-3905 unable to transfer call
CSCuq33263	Issue with 3905 phone facing audio issues
CSCuq51995	One-way audio for PSTN calls transferred to internal number

Documentation Updates

The following sections contain updates to the documentation that apply to this release. The updates will be applied to the documentation when the next major firmware release occurs.

Administration Guide

The following sections describe changes that apply to the *Cisco Unified SIP Phone 3905 Administration Guide for Cisco Unified Communications Manager 10.0 (SIP)*. The document will be updated for the next major firmware release.

Phone Bandwidth Restrictions

**Note**

This section to be added to the “Troubleshooting” chapter, under the “General Telephone Call Problems” section.

Problem

Users report frequent Not enough bandwidth messages on their phones.

Cause

The Cisco Unified Communications Manager does not have adequate bandwidth to place the call or there are policy restrictions.

Solution

For information on changing the Cisco Unified Communications Manager bandwidth, see the *Features and Services Guide for Cisco Unified Communications Manager* and the *Cisco Unified Communications Manager System Guide*.

User Guide

The following sections describe changes that apply to the *Cisco Unified SIP Phone 3905 User Guide for Cisco Unified Communications Manager 10.0 (SIP)*. The document will be updated for the next major firmware release.

Make Calls

**Note**

The following information will be added to the “Make Calls” section of the next version of the User Guide.

When you hear a fast busy tone and see the message Not enough bandwidth on the phone LCD, the Cisco Unified Communications Manager cannot place the call because of insufficient bandwidth or policy reasons. You should retry the call in a few minutes. If you see this message frequently, contact your system administrator.

Cisco IP Phone Firmware Support Policy

For information on the support policy for Cisco IP Phones, see <http://www.cisco.com/c/en/us/support/docs/collaboration-endpoints/unified-ip-phone-7900-series/116684-technote-iphone-00.html>.

Documentation, Service Requests, and Additional Information

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>

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