Cisco Unified SIP Phone 3905 Release Notes for Firmware Release 9.4(1)SR2

First Published: 2015-11-30

Last Modified: 2017-01-12

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These release notes support the Cisco Unified SIP Phone 3905 running Firmware Release 9.4(1)SR2.

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 the Latest Cisco Unified Communications Manager Device Pack

The following sections describe features in the release which require the new firmware and the latest Cisco Unified Communications Manager Device Pack.

For information about the Cisco Unified IP Phones and the required Cisco Unified Communications Manager device packs, see the following URL:

http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/compat/devpack_comp_mtx.html

Line Text Label

The Line Text Label feature enables the administrator to add a label to a line appearance on the phone. The label displays instead of the directory number, and helps to distinguish the lines when a phone has multiple lines. For example, lines could be labeled with the person's name, the department name, or other information that would help identify the line.

The administrator sets the Line Text Label field in the **Device** > **Phone** window of the Cisco Unified Communications Manager.

Installation

Install the Firmware Release on the Cisco Unified Communications Manager

Before using the Cisco Unified SIP Phone 3905 Firmware Release 9.4(1)SR2 with Cisco Unified Communications Manager, you must install the latest firmware on all Cisco Unified Communications Manager servers in the cluster.

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)SR2**.

Step 6 Select the following firmware file, click the **Download** or **Add to cart** button, and follow the prompts:

- cmterm-3905.9-4-1SR2-2.k3.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-9-4-1SR2-2-readme.html

Step 8 Follow the instructions in the readme file to install the firmware.

Install the 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-3905.9-4-1SR2-2.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.

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)SR2**.

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.

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

On-Hook Transfer Limitation in SIP Phones

When the Cisco Unified Communications Manager **Transfer On-Hook Enabled** field is enabled, users might report a problem with direct call transfer in SIP phones. If the user transfers the call and immediately goes on hook before they hear the ring signal, the call may drop instead of being transferred.

The user needs to hear the ring signal so that they can be sure that the call is being routed.

Language Limitation

There is no localized Keyboard Alpha-Numeric Text Entry (KATE) support for the following Asian locales:

- Chinese (China)
- Chinese (Hong Kong)
- Chinese (Taiwan)
- Japanese (Japan)

- Korean (Korea Republic)

The default English (United States) KATE is presented to the user instead.

For example, the phone screen will show text in Korean, but the **2** key on the keypad willdisplay a b c 2 A B C.

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 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

Step 1 To access 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)SR2.

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)SR2

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)SR2.

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)SR2

Identifier	Headline
CSCur30436	One way voice if 3905 phone hold/trnf to phones whose ip address has 58
CSCur86828	3905 phone cannot play "attendee ID" prompt when joining webex meeting
CSCus73041	3905 Genereated DTMF events are not processed by IVR system
CSCus73252	CP-3905 Low volume issue on firmware version 9-4--1

Identifier	Headline
CSCus78772	3905 intermittently sends RTP packets with silence.
CSCus92717	calls through MGCP GW facing 1 way audio using 3905 phones
CSCus95093	CP3905 - Intermittent Choppy or Low audio volume issues
CSCuu79634	3905 phones display FAC code when when fac prompt changed from default
CSCuv91502	3905 utilizes old subscription to send notify
CSCuw91247	When DUT conference\transfer invalidly, LCD shows incorrect display.
CSCux04042	3905 Phone not following RFC timer specifications for Active Subscribes
CSCux05467	3905 phones don't send 'screen=' parameter in Remote-Party-ID.

Cisco Unified Communication Manager Public Keys

To improve software integrity protection, new public keys are used to sign cop files for Cisco Unified Communications Manager Release 10.0.1 and later. These cop files have “k3” in their name. To install a k3 cop file on a pre-10.0.1 Cisco Unified Communications Manager, consult the README for the ciscocm.version3-keys.cop.sgn to determine if this additional cop file must first be installed on your specific Cisco Unified Communications Manager version. If these keys are not present and are required, you will see the error “The selected file is not valid” when you try to install the software package.

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 documentation for your particular Cisco Unified Communications Manager release.

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

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-ipphone-00.html.

Cisco IP Phone Documentation Updates on Cisco Unified Communications Manager

The Cisco Unified Communications Manager Self Care Portal (Release 10.0 and later) and User Options web pages (Release 9.1 and earlier) provide links to the IP Phone user guides in PDF format. These user guides are stored on the Cisco Unified Communications Manager and are up to date when the Cisco Unified Communications Manager release is first made available to customers.

After a Cisco Unified Communications Manager release, subsequent updates to the user guides appear only on the Cisco website. The phone firmware release notes contain the applicable documentation URLs. In the web pages, updated documents display "Updated" beside the document link.

Note The Cisco Unified Communications Manager Device Packages and the Unified Communications Manager Endpoints Locale Installer do not update the English user guides on the Cisco Unified Communications Manager.

Administrators and users should check the Cisco website for updated user guides and download the PDF files. Administrators can also make the files available to the users on their company website.

Tip Administrators may want to bookmark the web pages for the phone models that are deployed in their company and send these URLs to their users.

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

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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