



Cisco IP Phone 8800 Series Release Notes for Firmware Release 12.1(1)SR1

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Release Notes for Firmware 12.1(1)SR1

These release notes support the Cisco IP Phone 8811, 8841, 8845, 8851, 8851NR, 8861, 8865, and 8865NR running SIP Firmware Release 12.1(1)SR1.

The following table lists the support and protocol compatibility for the Cisco IP Phones.

Table 1: Cisco IP Phones, Support, and Firmware Release Compatibility

Cisco IP Phone	Protocol	Support Requirements
8811, 8841, 8845, 8851, 8851NR, 8861, 8865, and 8865NR	SIP	Cisco Unified Communications Manager 8.5(1) and later Cisco Unified Communications Manager DST Olsen version D or later SRST 8.0 (IOS load 15.1(1)T) and above Cisco Expressway 8.7
8811, 8841, 8851, 8851NR, and 8861	SIP	CME 10.0 (IOS load 15.3(3)M)

Related Documentation

Use the following sections to obtain related information.

Cisco IP Phone 8800 Series Documentation

Refer to publications that are specific to your language, phone model, and call control system. Navigate from the following documentation URL:

<https://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-8800-series/index.html>

The Deployment Guide is located at the following URL:

<https://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-ip-phone-8800-series/products-implementation-design-guides-list.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:

<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/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.

Features Available with the Firmware Release

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

Enhanced Line Mode and Simplified Line Display for Incoming Calls

Enhanced line mode (ELM) users now have a simplified line label for incoming calls. This improvement is for ELM users who have the Actionable Incoming Call Alert disabled but still want incoming calls identified.

The line label now displays the following information for incoming calls.

- To—The line receiving the call.
- From—The line that is used to make the call.

Forwarded calls are also identified.

The simplified line label is supported on the following devices.

- Cisco IP Phone 8800 Series
- Cisco IP Phone 8851/8861 Key Expansion Module
- Cisco IP Phone 8865 Key Expansion Module

Where to Find More Information

- *Cisco IP Phone 8800 Series User Guide for Cisco Unified Communications Manager*

Wallpaper and Key Expansion Modules

Dual LCD key expansion module users can now apply the same wallpaper to their expansion module as their phone. This improvement provides a consistent look across both devices and it replaces the default blue wallpaper previously used on the module.

This feature is supported on the following key expansion modules:

- Cisco IP Phone 8851/8861 Key Expansion Module
- Cisco IP Phone 8865 Key Expansion Module

Where to Find More Information

- *Cisco IP Phone 8800 Series User Guide for Cisco Unified Communications Manager*
- *Cisco IP Phone 7800 and 8800 Series Accessories Guide for Cisco Unified Communications Manager*

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

Enbloc Dialing

You can now place calls quicker with Enbloc Dialing. When enabled, this feature eliminates the delay often experienced when dialing a phone number during the following scenarios:

- On hook dialing and redialing
- Speed dial and Speed dial BLF
- Voice mail
- Calls that are made from your Recent list
- Calls that are made from your Directory

Previously users experienced a delay of up to 15 seconds when placing a call.

Administrators can find the Enbloc Dialing parameter in the Product Specific Configuration Layout section of CUCM. When enabled, it overrides the T.302 timer and the entire dialed string is sent to the CUCM once the dialing is complete.

Forced Authorization Codes (FAC) or Client Matter Codes (CMC) do not support Enbloc Dialing. If you use FAC or CMC to manage call access and accounting, then you cannot use this feature.

Where to Find More Information

- *Cisco Collaboration System 12.x Solution Reference Network Designs*
- *Cisco IP Phone 8800 Series Administration Guide for Cisco Unified Communications Manager*

Installation

Installation Requirements

Before you install the firmware release, you must ensure that your Cisco Unified Communications Manager is running the latest device pack. After you install a device pack on the Cisco Unified Communications Manager servers in the cluster, you need to reboot all the servers.



Note If your Cisco Unified Communications Manager does not have the required device pack to support this firmware release, the firmware may not work correctly.

For information on the Cisco Unified Communications Manager Device Packs, see http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/compat/devpack_comp_mtx.html.

Install the Firmware Release on Cisco Unified Communications Manager

Before using the phone firmware release on the Cisco Unified Communications Manager, you must install the latest Cisco Unified Communications Manager firmware on all Cisco Unified Communications Manager servers in the cluster.

Procedure

- Step 1** Go to the following URL:
<https://software.cisco.com/download/navigator.html?mdfid=284729655&flowid=75283>
- Step 2** Choose **Cisco IP Phone 8800 Series**.
- Step 3** Choose your phone type.
- Step 4** Choose **Session Initiation Protocol (SIP) Software**.
- Step 5** In the Latest Releases folder, choose **12.1(1)SR1**.
- Step 6** Select the firmware file, click the **Download** or **Add to cart** button, and follow the prompts:
- For Cisco IP Phone 8811, 8841, 8851, 8851NR, and 8861 — cmterm-88xx-sip.12-1-1SR1-4.k3.cop.sgn
 - For Cisco IP Phone 8845, 8865, and 8865NR — cmterm-8845_65-sip.12-1-1SR1-4.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.
- Step 8** Follow the instructions in the readme file to install the firmware.
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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.

- For Cisco IP Phone 8811, 8841, 8851, 8851NR, and 8861—cmterm-88xx.12-1-1SR1-4.zip
- For Cisco IP Phone 8845, 8865, and 8865NR—cmterm-8845_65.12-1-1SR1-4.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:
<https://software.cisco.com/download/navigator.html?mdfid=284729655&flowid=75283>
- Step 2** Choose **Cisco IP Phones 8800 Series**.

- Step 3** Choose your phone model.
- Step 4** Choose **Session Initiation Protocol (SIP) Software**.
- Step 5** In the Latest Releases folder, choose **12.1(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

Phone Behavior During Times of Network Congestion

Anything that degrades network performance can affect 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

Health-Care Environment Use

This product is not a medical device and uses an unlicensed frequency band that is susceptible to interference from other devices or equipment.

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.

Ringtone Limitation During Firmware Downgrade from Release 11.5(1)

When the phone downgrades from Firmware Release 11.5(1) to Firmware Release 11.0(1), the phone may not ring when there is an incoming call. The ringtone for the line has been deleted and must be manually set in the **Settings > Ringtone** menu.

Language Limitation

There is no localized Keyboard Alphanumeric 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 will display **a b c 2**
A B C.

Caveats

View Caveats

You can search for caveats using the Cisco Bug Search.

Known caveats (bugs) are graded according to severity level, and can be either open or resolved.

Procedure

Step 1

Perform one of the following actions:

- Use this URL for all caveats: [https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284729655&rls=12.1\(1\),12.1\(1.*\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284729655&rls=12.1(1),12.1(1.*)&sb=anfr&svr=3nH&bt=custV)
- Use this URL for all open caveats: [https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284729655&rls=12.1\(1\)&sb=af&sts=open&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284729655&rls=12.1(1)&sb=af&sts=open&svr=3nH&bt=custV)
- Use this URL for all resolved caveats: [https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284729655&rls=12.1\(1\),12.1\(1.*\)&sb=fr&sts=fd&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284729655&rls=12.1(1),12.1(1.*)&sb=fr&sts=fd&svr=3nH&bt=custV)

Step 2

When prompted, log in with your Cisco.com user ID and password.

Step 3

(Optional) Enter the bug ID number in the Search for field, then press **Enter**.

Open Caveats

The following list contains the severity 1, 2, and 3 defects that are open for the Cisco IP Phone 8800 Series for Firmware Release 12.1(1)SR1.

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

Because defect status continually changes, the list reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects or to view specific bugs, access the Bug Search Toolkit as described in [View Caveats, on page 6](#).

- CSCvh23595: Media server watchdog timeout with back to back API calls
- CSCvb96407: 88xx new phone with Qt4.8 UI tearing when quickly switch screens
- CSCvj39965: Cisco headset firmware fails to upgrade when using a load server
- CSCvj61394: SIP Phones do not send all the media stream (we miss few sec) to the recording server, on early media

Resolved Caveats

The following list contains severity 1, 2, and 3 defects that are resolved for the Cisco IP Phone 8800 Series for Firmware Release 12.1(1)SR1.

For more information about an individual defect, access the Bug Search toolkit and search for the defect using the Identifier. 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 [View Caveats, on page 6](#).

- CSCvi24414: SIP Phones do not send all the media stream to the recording server, we miss few sec.
- CSCvi73162: Can't set background image after upgrade to FW 12-0-1SR1
- CSCvi48426: The ROC reset on the phone is caused by the key/salt change after hold/resume
- CSCvh95393: missing log files when disconnected and connected back to CUCM
- CSCvi91263: 88XX Electronic Hook Switch (EHS) Control Inoperable after CallManager Service Restart
- CSCvj00197: 78XX and 88XX Phones unable to Complete DHCP (DORA) if option 52 is present in DHCP OFFER and ACK
- CSCvj09074: 8811/8841/8851/8861 MRA "JAVA-SIPCC" Process Not Able To Resolve FQDN Greater Than 48 Characters
- CSCvi80351: Phones show Unified CM server that is not present in CM group
- CSCvi55172: The 8861 with 3 WKEMs will stuck or the WKEM will reboot after press the USB headset key some times
- CSCvj41487: phone reboot after press answer button on headset.

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 `cisco.cm.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 <https://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 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.

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



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

Cisco IP Phone Firmware Support Policy

For information on the support policy for phones, see <https://cisco.com/go/phonefirmwaresupport>.

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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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