

Cisco IP Phone 6800 Series Multiplatform Phones Release Notes for Firmware Release 12.0(2)

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Release Notes

Use these release notes with the following Cisco IP Phone 6800 Series Multiplatform Phones running SIP Firmware Release 12.0(2).

- Cisco IP Phone 6821 Multiplatform Phones
- Cisco IP Phone 6841 Multiplatform Phones
- Cisco IP Phone 6851 Multiplatform Phones
- Cisco IP Phone 6861 Multiplatform Phones
- Cisco IP Phone 6871 Multiplatform Phones



Note This document doesn't include the DECT phones.

The following table describes the individual phone requirements.

Phone	Support Servers
Cisco IP Phone 6800 Series Multiplatform Phones	Cisco BroadWorks 24.0 MetaSphere CFS version 9.5 Asterisk 16.0

Related Documentation

Use the following sections to obtain related information.

Cisco IP Phone 6800 Series Documentation

See the publications that are specific to your language, phone model, and multiplatform firmware release. Navigate from the following Uniform Resource Locator (URL):

<https://www.cisco.com/c/en/us/support/collaboration-endpoints/ip-phone-6800-series-multiplatform-firmware/tsd-products-support-series-home.html>

New and Changed Features

Controlling the TLS Minimum Value

You can control the phone minimum value of TLS with the new **TLS** parameter.

To enable this feature from the phone administration web page, use the **TLS Min Version** parameter under the **Security Settings** from **Voice > System**.

Where to Find More Information

- *Cisco IP Desk Phone with Multiplatform Firmware (MPP) - Administration Guide*
- *XML Reference Guide for Cisco IP Phone Multiplatform Phones*

Digest Algorithms for Hoteling Subscription

Phone now support SHA-256, SHA512, and SHA 256 digest algorithms for hoteling authentication. Prior to release 12.0(2), phone only has support for MD5 algorithm.

Where to Find More Information

- *Cisco IP Desk Phone with Multiplatform Firmware (MPP) - Administration Guide*
- *XML Reference Guide for Cisco IP Phone Multiplatform Phones*

Enabling Phone Authorization with RFC-8760

You can enable the phone authorization with RFC8760.

To enable this feature from the phone administration web page, use the **Auth Support RFC8760** parameter under the **SIP Settings** section from **Voice > Ext (n)**.

Where to Find More Information

- *Cisco IP Phone 6800 Series Multiplatform Phones Administration Guide*

Enabling the Webex Metrics Services

With Metrics Enable, enable the phone control of all metric services.

To enable this feature from the phone administration web page, use the **Metrics Enable** parameter under the **Webex** section **Voice > Phone**.

Where to Find More Information

- *Cisco IP Desk Phone with Multiplatform Firmware (MPP) - Administration Guide*
- *XML Reference Guide for Cisco IP Phone Multiplatform Phones*

Enabling PRT Upload at Crash Services

You can indicate whether to automatically upload the PRT package to the server when the phone crashes.

To enable this feature from the phone administration web page, use the **PRT Upload at Crash** parameter under the **Problem Reporting Tool** section **Voice > Provisioning**

Where to Find More Information

- *Cisco IP Desk Phone with Multiplatform Firmware (MPP) - Administration Guide*
- *XML Reference Guide for Cisco IP Phone Multiplatform Phones*

Managing Participants List for Ad Hoc Conference

During an Ad Hoc conference, the host and the participants can show the participants list by pressing the **Participants** softkey on the phone. Also, both the host and the participants can add another person into the conference. However, only the host is allowed to remove a participant from the participant list.

Where to Find More Information

- *Cisco IP Phone 6800 Series Multiplatform Phones User Guide*
- *Cisco IP Desk Phone with Multiplatform Firmware (MPP) - Administration Guide*
- *XML Reference Guide for Cisco IP Phone Multiplatform Phones*

Upgrade Firmware

You can upgrade the phone firmware with TFTP, HTTP, or HTTPS. After the upgrade completes, the phone reboots automatically.

Procedure

-
- Step 1** Click this link:
<https://software.cisco.com/download/home/286318380>
- On the **Software Download** web page that is displayed, ensure that **IP Phone 6800 Series with Multiplatform Firmware** is selected in the middle pane.
- Step 2** Select your phone model in the right pane.
- Step 3** On the next page that is displayed, select **Multiplatform Firmware**.
- Step 4** On the next page that is displayed, select **12.0.2** in the **All Releases > MPPv11** folder.
- Step 5** (Optional) Place your mouse pointer on the file name to see the file details and checksum values.
- Step 6** Download the corresponding file.
- 6821: `cmterm-6821.12.0.2MPP0001.116_REL.zip`
 - Other phones in 6800 series: `cmterm-68xx.12.0.2MPP0001.116_REL.zip`
- Step 7** Click **Accept License Agreement**.
- Step 8** Unzip the file and place the files in the appropriate location on your upgrade server.
- The appropriate location is the TFTP, HTTP, or HTTPS download folder, depending on the protocol that you want to use for the upgrade.

Step 9 Upgrade the phone firmware with one of these methods.

- Upgrade the phone firmware from the phone administration web page:
 - a. On the phone administration web page, go to **Admin Login > Advanced, Voice > Provisioning > Firmware Upgrade**.

- b. In the **Upgrade Rule** field, enter the load file URL as described below.

Load file URL format:

```
<upgrade protocol>://<upgrade server ip address>[:<port>]/<path>/<file name>.loads
```

Examples:

- 6821:

```
https://10.73.10.223/firmware/sip6821.12.0.2MPP0001.116.loads
```

- Other phones in 6800 series:

```
https://10.73.10.223/firmware/sip68xx.12.0.2MPP0001.116.loads
```

- c. Click **Submit All Changes**.

- Upgrade the phone firmware directly from your web browser:

In the address bar of your web browser, enter the phone upgrade URL as described below.

Phone upgrade URL format:

```
<phone protocol>://<phone ip address[:port]>/admin/upgrade?<load file URL>
```

Load file URL format:

```
<upgrade protocol>://<upgrade server ip address>[:<port>]/<path>/<file name>.loads
```

Examples:

- 6821:

```
https://10.74.10.225/admin/upgrade?https://10.73.10.223/firmware/sip6821.12.0.2MPP0001.116.loads
```

- Other phones in 6800 series:

```
https://10.74.10.225/admin/upgrade?https://10.73.10.223/firmware/sip68xx.12.0.2MPP0001.116.loads
```

Note Specify the <file name>.loads file in the URL. The <file name>.zip file contains other files.

Limitations and Restrictions

Phone Behavior During Times of Network Congestion

Anything that degrades network performance can affect phone audio 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.

Caveats

View Caveats

You can search for caveats (bugs) with the Cisco Bug Search tool.

Known caveats are graded according to severity level, and are either open or resolved.

Before you begin

You have your Cisco.com user ID and password.

Procedure

-
- Step 1** Click one of the following links:
- To view all caveats that affect this release:
https://bst.cloudapps.cisco.com/bugsearch/search?pdNm=&sb=afi&ts=1202&kw=*&bt=usV&pdNm=Cisco%20IP%20Phone%206800%20Series%20with%20Multiplatform%20Firmware
 - To view open caveats that affect this release:
https://bst.cloudapps.cisco.com/bugsearch/search?pdNm=&sb=afi&ts=1202&kw=*&bt=usV&pdNm=Cisco%20IP%20Phone%206800%20Series%20with%20Multiplatform%20Firmware
 - To view resolved caveats that affect this release:
https://bst.cloudapps.cisco.com/bugsearch/search?pdNm=&sb=f&ts=1202&kw=*&bt=usV&pdNm=Cisco%20IP%20Phone%206800%20Series%20with%20Multiplatform%20Firmware
- Step 2** When prompted, log in with your Cisco.com user ID and password.
- Step 3** (Optional) For information about a specific caveat, enter the bug ID number (*CSCxxxxnnnn*) in the **Search for** field, and press **Enter**.
-

Open Caveats

The following list contains the severity 1, 2, and 3 defects that are open for the Cisco IP Phone 6800 Series Multiplatform Phones that use Firmware Release 12.0(2).

For more information about an individual defect, you can access the online history for the defect by accessing the Bug Search tool and entering the Identifier (*CSCxxxxnnnn*). You must be a registered Cisco.com user to access this defect information.

Because the defect status continually changes, the list reflects a snapshot of the defects that were resolved at the time this report was compiled. For an updated view of the resolved defects or to view specific bugs, access the Bug Search Toolkit as described in the [View Caveats, on page 5](#).

- CSCwe96772 MPP68xx : Call Appearance Per line behavior inconsistent between 11.2.3 and 11.3.3
- CSCwb46008 Many PRTs with logs missing for around 5 seconds

Resolved Caveats

The following list contains the severity 1, 2, and 3 defects that are resolved for the Cisco IP Phone 6800 Series Multiplatform Phones that use Firmware Release 12.0(2).

For more information about an individual defect, you can access the online history for the defect by accessing the Bug Search tool and entering the Identifier (*CSCxxxxnnnn*). You must be a registered `cisco.com` user to access this defect information.

Because the defect status continually changes, the list reflects a snapshot of the defects that were resolved at the time this report was compiled. For an updated view of the resolved defects or to view specific bugs, access the Bug Search Toolkit as described in the [View Caveats, on page 5](#).

- CSCwe80034 68xx crash in MPhone process
- CSCwd44995 Not able to upgrade firmware when using long FQDN in upgrade rule
- CSCwb61351 The o-line IP address is not EXT_IP in a NAT call
- CSCwd58480 Cisco MPP phones uses data VLAN IP address on boot-up when connected to Aruba switch
- CSCwe37668 Vulnerabilities in linux-kernel - multiple versions CVE-2023-23559
- CSCwd89382 Vulnerabilities in linux-kernel - multiple versions CVE-2022-1048

Cisco IP Phone Firmware Support Policy

For information on the support policy for phones, see the [Cisco IP Phone Firmware Support Policy](#).

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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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