Cisco IP Conference Phone Hardware

Cisco IP Conference Phone 8832

The Cisco IP Conference Phone 8832 and 8832NR enhance people-centric communications. It combines superior high-definition (HD) audio performance and 360-degree coverage for medium to large conference rooms and executive offices. It provides an audiophile sound experience with a full-duplex two-way wideband (G.722) audio hands-free speaker. This phone is a simple solution that meets the challenges of the most diverse rooms.

Figure 1: Cisco IP Conference Phone 8832

The conference phone has sensitive microphones with 360-degree coverage. This coverage lets you speak in a normal voice and be heard clearly from up to 10 feet (3 m) away. The phone also features technology that resists interference from mobile phones and other wireless devices, which assures delivery of clear communications without distractions. The phone provides a color screen and softkey buttons to access user

functions. With the base unit alone, the phone provides coverage for a 20 x 20 ft. (6.1 x 6.1 m) room and up to 10 people.

Two wired expansion microphones are available for use with the phone. Placing the expansion microphones away from the base unit provides greater coverage in larger conference rooms. With the base unit and wired expansion microphones, the conference phone provides coverage for a 20 x 34 ft. (6.1 x 10 m) room and up to 22 people.

The phone also supports an optional set of two wireless expansion microphones. With the base unit and wireless expansion microphones, the conference phone provides coverage for a 20 x 40 ft. (6.1 x 12.2 m) room and up to 26 people. To cover a 20 x 40 ft. room, we recommend that you place each microphone at a maximum distance of 10 ft. from the base.

You can connect two base units to increase the coverage for a room. This configuration requires the optional Daisy Chain kit and can support two expansion microphones (either wired or wireless, but not a mixed combination). If you are using wired microphones with the Daisy Chain kit, the configuration provides coverage for a room up to 20 x 50 feet (6.1 x 15.2 m) and up to 38 people. If you are using wireless microphones with the Daisy Chain kit, the configuration provides coverage for a room up to 20 x 57 feet (6.1 x 17.4 m) and up to 42 people.

The Cisco IP Conference Phone 8832NR (non-radio) version does not support Wi-Fi, wireless expansion microphones, or Bluetooth.

Like other devices, a Cisco IP Phone must be configured and managed. These phones encode and decode the following codecs:

- G.711 a-law
- G.711 mu-law
- G.722
- G722.2 AMR-WB
- G.729a/G.729ab
- G.726
- iLBC
- Opus

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Caution   Using a cell, mobile, or GSM phone, or two-way radio in close proximity to a Cisco IP Phone might cause interference. For more information, see the manufacturer's documentation of the interfering device.

Cisco IP Phones provide traditional telephony functionality, such as call forwarding and transferring, redialing, speed dialing, conference calling, and voice messaging system access. Cisco IP Phones also provide a variety of other features.

As with other network devices, you must configure Cisco IP Phones to prepare them to access Cisco Unified Communications Manager and the rest of the IP network. By using DHCP, you have fewer settings to configure on a phone. If your network requires it, however, you can manually configure information such as: an IP address, TFTP server, and subnet information.

Cisco IP Phones can interact with other services and devices on your IP network to provide enhanced functionality. For example, you can integrate Cisco Unified Communications Manager with the corporate

Lightweight Directory Access Protocol 3 (LDAP3) standard directory to enable users to search for coworker contact information directly from their IP phones. You can also use XML to enable users to access information such as weather, stocks, quote of the day, and other web-based information.

Finally, because the Cisco IP Phone is a network device, you can obtain detailed status information from it directly. This information can assist you with troubleshooting any problems users might encounter when using their IP phones. You can also obtain statistics about an active call or firmware versions on the phone.

To function in the IP telephony network, the Cisco IP Phone must connect to a network device, such as a Cisco Catalyst switch. You must also register the Cisco IP Phone with a Cisco Unified Communications Manager system before sending and receiving calls.

Cisco IP Conference Phone 8832 Buttons and Hardware

The following figure shows the Cisco IP Conference Phone 8832.

Figure 2: Cisco IP Conference Phone 8832 Buttons and Features

The following table describes the buttons on the Cisco IP Conference Phone 8832.

Table 1: Cisco IP Conference Phone 8832 Buttons

1	LED bar	Indicates call states:
		• Green, solid—Active call
		• Green, flashing—Incoming call
		• Green, pulsing—Held call
		• Red, solid—Muted call

2	Expansion microphone port	The wired expansion microphone cable plugs into the port.
3	**Mute** bar	Toggles the microphone on or off. When you mute the microphone, the LED bar lights red.
4	Softkey buttons	Access functions and services.
5	Navigation bar and **Select** button	Scroll through menus, highlight items, and select the highlighted item.
6	**Volume** button	Adjusts the speakerphone volume (off hook) and the ringer volume (on hook). When you change the volume, the LED bar lights white to show the volume change.

Wired Expansion Microphone (8832 Only)

The Cisco IP Conference Phone 8832 supports two wired expansion microphones, available in an optional kit. Use the expansion microphones in larger rooms or in a crowded room. For best results, we recommend that you place the microphones between 3 feet (0.91 m) and 7 feet (2.1 m) away from the phone.

Figure 3: Wired Expansion Microphone
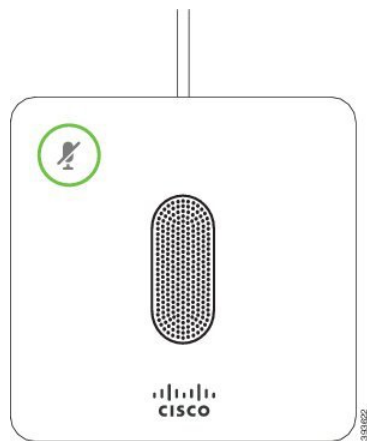
When you're in a call, the expansion microphone LED around the **Mute** button is green.

When you mute the microphone, the LED is red. When you press the **Mute** button, the phone and the expansion microphones are muted.

Related Topics

Install the Wired Expansion Microphones

Wireless Expansion Microphone (8832 Only)

The Cisco IP Conference Phone 8832 supports two expansion wireless microphones, available with a charging cradle in an optional kit. When the wireless microphone is placed on the charging cradle for charging, the LED on the cradle is lit white.
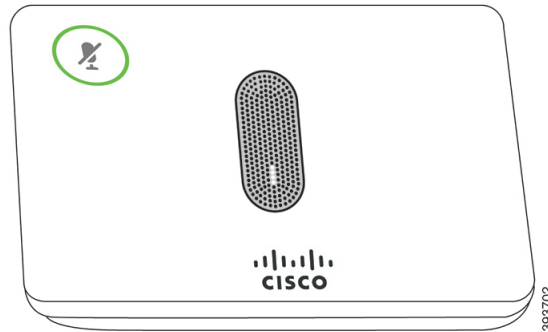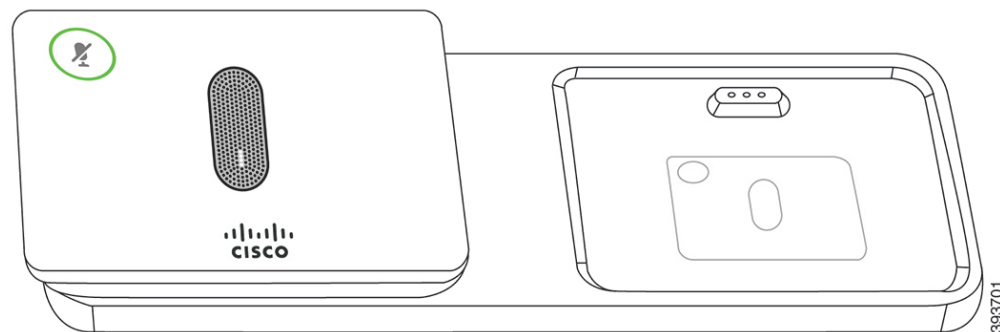
Figure 4: Wireless Microphone

Figure 5: Wireless Microphone Mounted on the Charging Cradle

When the conference phone is in a call, the expansion microphone LED around the **Mute** button is lit green.

When the microphone is muted, the LED is lit red. When you press the **Mute** button, the phone and the expansion microphones are muted.

If the phone is paired with a wireless microphone (for example, Wireless microphone 1) and you connect the wireless microphone to a charger, pressing the **Show detail** softkey indicates the charge level for that microphone.

When the phone is paired with a wireless microphone and you connect a wired microphone, the wireless microphone gets unpaired and the phone is paired with the wired microphone. A notification appears on the phone screen indicating that the wired microphone is connected.

Related Topics

Install the Wireless Expansion Microphones

Install the Wireless Microphone Charging Cradle

Related Documentation

Use the following sections to obtain related information.

Cisco IP Conference Phone 8832 Documentation

Find documentation specific to your language, phone model, and call control system on the product support page for the Cisco IP Conference Phone 8832.

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 on the product support page.

Cisco Unified Communications Manager Express Documentation

See the publications that are specific to your language, phone model, and release on the product support page for Cisco Unified Communications Manager Express.

Cisco Hosted Collaboration Service Documentation

See the *Cisco Hosted Collaboration Solution Documentation Guide* and other publications that are specific to your Cisco Hosted Collaboration Solution release. Navigate from the following URL:

https://www.cisco.com/c/en/us/support/unified-communications/hosted-collaboration-solution-hcs/tsd-products-support-series-home.html

Cisco Business Edition 4000 Documentation

See the *Cisco Business Edition 4000 Documentation Guide* and other publications that are specific to your Cisco Business Edition 4000 release. Navigate from the following URL:

https://www.cisco.com/c/en/us/support/unified-communications/business-edition-4000/tsd-products-support-series-home.html

Documentation, Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, reviewing security guidelines, and also recommended aliases and general Cisco documents, 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.

Cisco Product Security Overview

This product contains cryptographic features and is subject to U.S. and local country laws that govern import, export, transfer, and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute, or use encryption. Importers, exporters, distributors, and users are responsible for compliance with U.S. and local country laws. By using this product, you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

Further information regarding U.S. export regulations can be found at https://www.bis.doc.gov/policiesandregulations/ear/index.htm.

Terminology Differences

In this document, the term *Cisco IP Phone* includes the Cisco IP Conference Phone 8832.

The following table highlights some of the terminology differences in the *Cisco IP Conference Phone 8832 User Guide*, the *Cisco IP Conference Phone 8832 Administration Guide for Cisco Unified Communications Manager*, and the Cisco Unified Communications Manager documentation.

Table 2: Terminology Differences

User Guide	Administration Guide
Message Indicators	Message Waiting Indicator (MWI)
Voicemail System	Voice Messaging System