Accessibility Features for the Cisco Unified SIP Phone 3905

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The Cisco Unified SIP Phone 3905 provides accessibility features for the blind, and the visually, hearing, and mobility impaired. Because many of these features are standard, they can be used by users with disabilities without requiring any special configuration.

In this document, the term *phone support pages* refers to the web pages that users can access to set up certain features. For Cisco Unified Communications Manager (Release 10.0 and later), these pages are the Self Care Portal. For Cisco Unified Communications Manager (Release 9.1 and earlier), these pages are the User Options web pages.

For additional information, see the User Guide, located here: http://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-sip-phone-3900-series/products-user-guide-list.html

Cisco is committed to designing and delivering accessible products and technologies to meet the needs of your organization. You can find more information about Cisco and its commitment to accessibility at this URL: http://www.cisco.com/go/accessibility

Hearing-Impaired Accessibility Features

This section describes the accessibility features for the hearing impaired.

The following figure shows the standard features on the Cisco Unified SIP Phone 3905 for hearing-impaired users. The features shown in the figure are described in the following table. Note the additional features below the table.

Figure 1: Hearing-Impaired Features of the Cisco Unified SIP Phone 3905

Table 1: Hearing-Impaired Accessibility Features

Item	Accessibility Feature	Description
1	Light strip	Indicates an incoming call (flashing red) or a new voice message (steady red).
2	**Speakerphone** button	Selects the speakerphone as the default audio path and initiates a new call, retrieves an incoming call and ends a call. The speakerphone audio path does not change until a new default audio path is selected (for example, by picking up the handset).
3	Adjustable volume	Controls the handset and speakerphone volume (off hook) and the ringer volume (on hook).
4	**Mute** button	Toggles the microphone on or off.
5	Inline-amplifier support (handset)	Cisco Unified IP Phone handsets support third-party inline amplifiers that you attach to the handset and cord and that sit between the handset and the IP Phone.

Item	Accessibility Feature	Description
	Hearing aid compatible (HAC) handset	Cisco Unified IP Phone handsets support the following accessibility features, products and requirements: • Hearing aids • Magnetic coupling of the hearing aids • Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA) • Section 508 loudness requirements, which are achieved by using industry-standard inline handset amplifiers
	Acoustic coupled TTY and TDD support (handset)	Cisco Unified IP Phones support the following TTY and TDD features: • Acoustic or direct connect TTYs • Real-time text transmission over phone lines • Hearing and voice carryover phones (HCO/VCO) • VoIP network operating at G.711 For information about setting up TTY, contact your administrator.

You can also access the following feature:

- Adjustable footstand—You can adjust the footstand from flat to 60 degrees to easily see the phone screen and to access the buttons and keys.

Vision-Impaired and Blind Accessibility Features

This section describes the accessibility features for the vision impaired and blind.

The following figure shows the features that are supported on the Cisco Unified SIP Phone 3905. The features identified in the figure are described in the following table. Note the additional features below the table.

Figure 2: Vision-Impaired and Blind Accessibility Features of the Cisco Unified SIP Phone 3905

Item	Accessibility Feature	Description
1	Phone screen	Shows information about your phone such as directory number, active call, and phone menu listing.
2	Light strip	Indicates an incoming call (flashing red) or new voice message (steady red).
3	**Back** button, Navigation bar and **Select**/**Feature** button, and **Application** button	Located below the LCD, the Navigation bar and **Select** button are in the center of the cluster, with the **Back** button on the left and the **Applications** button on the right. The Navigation bar allows you to scroll through menus and highlight items. The **Select** button allows you to select a highlighted item. When the phone is off hook, the **Select** button functions as the **Feature** button. You can access these features: • Call Forward All—Allows you to forward a call • Voicemail—Allows you to access voice messages • Call Pickup—Allows you to answer a call that is ringing on a co-worker's phone • Group Call Pickup—Allows you to answer a call that is ringing in another call group

Item	Accessibility Feature	Description
4	Large buttons to access **Redial**, **Transfer**, and **Hold**	Located above the keypad, three large buttons provide easy access to: • **Redial** • **Transfer** • **Hold** The **Redial** button is on the left, the **Transfer** button is in the center, and the **Hold** button on the right.
5	Standard 12-key layout	Cisco Unified IP Phone keypads provide standard 12-key layout, which enables users to use existing or familiar key positions and includes a nib on Key 5.
6	Large buttons to access **Mute**, **Volume**, and **Speakerphone**	This cluster of buttons is located below the keypad. The **Volume** rocker key is in the center, with the **Mute** button on the left and the **Speakerphone** button on the right. Use the **Mute** button to turn the microphone on and off. Use the **Speakerphone** button to turn the speakerphone on and off. Selects the speakerphone as the default audio path and initiates a new call, picks up an incoming call, or ends a call. The speakerphone audio path does not change until a new default audio path is selected (for example, by picking up the handset). Use the **Volume** rocker key to increase or decrease the volume of the ringing or the sound through the handset or speakerphone. Press the right side of the key to increase the volume. Press the left side of the key to decrease the volume.

You can also access the following feature:

- Adjustable Footstand—You can adjust the footstand from flat to 60 degrees to easily see the phone screen and to access the buttons and keys.

Mobility-Impaired Features

This section describes the accessibility features for the mobility impaired.

The following figure shows the features that are supported on the Cisco Unified SIP Phone 3905. The features shown in the figure are described in the following table. Note the additional features below the table.

Figure 3: Mobility-Impaired Features of the Cisco Unified SIP Phone 3905

Item	Accessibility Feature	Description
1	Navigation bar and **Select** button	The navigation bar allows you to scroll through menus and highlight items. The **Select** button allows you to select a highlighted item. When the phone is off hook, the **Select** button functions as the Feature button. You can access these features: • Call Forward All—Allows you to forward a call • Voicemail—Allows you to access voice messages • Call Pickup—Allows you to answer a call that is ringing on a coworker's phone • Group Call Pickup—Allows you to answer a call that is ringing in another call group
2	**Speakerphone** button	Selects the speakerphone as the default audio path and initiates a new call, picks up an incoming call, or ends a call. The speakerphone audio path does not change until a new default audio path is selected (for example, by picking up the handset).
3	Mute button	Toggles the microphone on or off.

You can also access the following feature:

- Adjustable Footstand—You can adjust the footstand from flat to 60 degrees to easily see the phone screen and to access the buttons and keys.

Cisco Unified Communications Manager Accessibility Features

The following table provides information on the Cisco Unified Communications Manager (Cisco Unified CM) accessibility features. For more information, see the user guide applicable to your phone.

Accessibility Feature	Description	Configuration Requirements
Programmable Line Key (PLK)	You can use the line buttons to initiate, answer, or switch to a call on a particular line. A limited number of features, such as speed dial, extension mobility, privacy, Busy Lamp Field (BLF) speed dial, Do Not Disturb (DND), and Service URLs, get assigned to these buttons. The PLK feature expands the features that can be assigned to the line buttons to include those that softkeys normally control; for example New Call, Call Back, End Call, and Forward All. When these features are configured on the line buttons, they are always visible, so you can have a "hard" New Call key. You can access features easily that may be assigned to softkeys normally, which can be too small and difficult to use.	Standard on all Cisco IP Phones; configuration is required. Your administrator assigns PLKs to your phone.
Audible Message Waiting Indicator (AMWI)	Cisco Unified IP Phones can send a line-specific stutter dial tone when a voice message is waiting on the phone. You hear it only when using the line with the waiting messages. When you go off hook (on the line for which a voice message has been left), the stutter dial tone is heard. You can change the audible voice-message indicator setting by logging in to your phone support pages, and changing the audible message-indicator setting to On or Off.	Standard on all Cisco IP Phones. Configuration is required: • administrator • phone support pages
Do Not Disturb (Alert and Reject)	Your administrator configures the phone to turn on all audible and visual notifications, turn on ringer only, or to choose the type of alert a phone should play for incoming calls.	Standard on all Cisco IP Phones; configuration is required.

Accessibility Feature	Description	Configuration Requirements
Busy Lamp Field	You can use the Busy Lamp Field (BLF) feature to monitor the call state of a directory number (DN) associated with a speed-dial button, call log, or directory listing on the phone. In addition, you can use BLF pickup to monitor incoming calls on a directory number. When the DN receives an incoming call, the system alerts the you so that you can then pick up the call.	Standard on all Cisco IP Phones; configuration is required.
Phone support pages: • User Options web pages (Cisco Unified CM 9.1 and earlier) • Self Care Portal (Cisco Unified CM 10.0 and later)	The Cisco IP Phone is a network device that enables you to do the following actions: • Share information with other network devices in your company, including your personal computer. • Use your computer to log in to your phone support pages, where you can subscribe to services, set up speed dial and call forwarding numbers, configure ring settings, and create a personal address book.	Standard on all Cisco IP Phones; configuration is required.

Third-Party Accessibility Applications

Cisco works closely with partners to provide solutions that complement the accessibility and usability of Cisco products and solutions. There are third-party applications such as real-time captioning on Cisco IP Phones, Text Telephones for the Deaf (TDD/TTY), Real Time Text (RTT), hearing/voice carry over (HCO/VCO), audible caller ID, inline amplifiers for handsets for louder call sound, “busy lights”, audio/visual emergency notifications through Cisco IP Phones (supporting users with disabilities), etc.

Here's a link to a presentation about all the accessibility features of Cisco Unified Communications products, and some third party assistive technology which works with it:

http://www.cisco.com/c/dam/en_us/about/responsibility/accessibility/products/Accessibility_Innovation_Cisco_Unified_Communications.pdf

For more information about third-party applications, contact your administrator.

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- Reorient or relocate the receiving antenna.
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- 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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