



## 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.

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# Hearing-Impaired Accessibility Features

This section describes the accessibility features for the hearing impaired.

Figure 1 shows the standard features on the Cisco Unified SIP Phone 3905 for hearing impaired users.

**Figure 1** Hearing-Impaired Features—Cisco Unified SIP Phone 3905



The Hearing-Impaired features are described in the following table.

**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.

Item	Accessibility Feature	Description
5	Inline-amplifier support (handset)	<p>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.</p> <p>Cisco Unified IP Phones support the following third-party inline amplifiers:</p> <ul style="list-style-type: none"> <li>• Clarity HA-40 Inline Amplifier for Corded Phone</li> <li>• Plantronics EHA40 Inline Amplifier</li> </ul>
	Hearing aid compatible (HAC) handset	<p>Cisco Unified IP Phone handsets support the following accessibility features, products and requirements:</p> <ul style="list-style-type: none"> <li>• Hearing aids</li> <li>• Magnetic coupling of the hearing aids</li> <li>• Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA)</li> <li>• Section 508 loudness requirements, which are achieved by using industry-standard inline handset amplifiers</li> </ul>
	Acoustic coupled TTY and TDD support (handset)	<p>Cisco Unified IP Phones support the following TTY and TDD features:</p> <ul style="list-style-type: none"> <li>• Acoustic or direct connect TTYs</li> <li>• Real-time text transmission over phone lines</li> <li>• Hearing and voice carryover phones (HCO/VCO)</li> <li>• VoIP network operating at G.711</li> </ul> <p>For information about setting up TTY, contact your system administrator.</p>

You can also access the following features:

- 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.
- Dedicated headset jack that enables the auto-answer function. You can use a dedicated headset jack that enables auto-answer feature support on either the speakerphone or headset. Incoming calls are then automatically connected.

Cisco Unified IP Phones provide an interface for third-party accessibility applications that support the following features:

- Paging
- Visual notification
- Ability to provide single number services to support Video Relay, Text Relay, TTY Traffic or voice services

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

## Vision-Impaired and Blind Accessibility Features

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

Figure 2 shows the features that are supported on the Cisco Unified SIP Phone 3905.

**Figure 2** Vision-Impaired and Blind Accessibility Features—Cisco Unified SIP Phone 3905



The Vision-Impaired and Blind Accessibility features are described in the following table.

**Table 2** Vision-Impaired and Blind Accessibility Features

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).

Item	Accessibility Feature	Description
3	Back button, Navigation bar and Select/Feature button, and Application button	<p>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.</p> <p>The Navigation bar allows you to scroll through menus and highlight items. The Select button allows you to select a highlighted item.</p> <p>When the phone is off hook, the Select button functions as the Feature button. You can access these features:</p> <ul style="list-style-type: none"> <li>• Call Forward All: Allows you to forward a call</li> <li>• Voicemail: Allows you to access voice messages</li> <li>• Call Pickup: Allows you to answer a call that is ringing on a co-worker's phone</li> <li>• Group Call Pickup: Allows you to answer a call that is ringing in another call group</li> </ul>
4	Large buttons to access Redial, Transfer and Hold	<p>Located above the keypad, three large buttons provide easy access to:</p> <ul style="list-style-type: none"> <li>• Redial</li> <li>• Transfer</li> <li>• Hold</li> </ul> <p>The Redial button is on the left, the Transfer button is in the center, and the Hold button on the right.</p>
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	<p>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.</p> <p>Use the Mute button to turn the microphone on and off.</p> <p>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).</p> <p>Use the Volume rocker key to increase or decrease the volume of the ringing or the sound through the handset, headset, or speakerphone. Press the right side of the key to increase the volume. Press the left side of the key to decrease the volume.</p>

You can also access the following features:

- 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.
- Dedicated headset jack that enables the auto-answer function. You can use a dedicated headset jack that enables auto-answer feature support on either the speakerphone or headset. Incoming calls are then automatically connected after a ring or two.

Cisco Unified SIP Phone 3905 provides an interface for third-party accessibility applications such as Tenacity accessaphone.

Tenacity accessaphone (AAP) is an assistive technology to the Cisco Unified IP Phones. Through the telephony application programming interface (TAPI) and the computer technology integration (CTI) plug-in, AAP enhances the ability to monitor and control the functions of the Cisco endpoint. Core enhancements are full access through the keyboard and text-to-speech.

The AAP technology provides audible notification of the incoming caller ID, full access of call history information, status of the phone and more. Information about Tenacity is available from the company website ([www.tenacitycorp.com](http://www.tenacitycorp.com)).

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

## Mobility-Impaired Accessibility Features

This section describes the accessibility features for the mobility impaired.

[Figure 3](#) shows the features that are supported on the Cisco Unified SIP Phone 3905.

**Figure 3** *Mobility-Impaired Features—Cisco Unified SIP Phone 3905*



The Mobility-Impaired features are described in the following table.

**Table 3** *Mobility-Impaired Accessibility Features*

Item	Accessibility Feature	Description
1	Navigation bar and Select/Feature button	<p>The navigation bar allows you to scroll through menus and highlight items. The Select button allows you to select a highlighted item.</p> <p>When the phone is off hook, the Select button functions as the Feature button. You can access these features:</p> <ul style="list-style-type: none"> <li>• Call Forward All: Allows you to forward a call</li> <li>• Voicemail: Allows you to access voice messages</li> <li>• Call Pickup: Allows you to answer a call that is ringing on a co-worker’s phone</li> <li>• Group Call Pickup: Allows you to answer a call that is ringing in another call group</li> </ul>

Item	Accessibility Feature	Description
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 features:

- 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.
- Dedicated headset jack that enables the auto-answer function. You can use a dedicated headset jack that enables auto-answer feature support on either the speakerphone or headset. Incoming calls are then automatically connected after a ring or two.

## Cisco Unified CM Accessibility Features

Table 4 provides information on the Cisco Unified Communications Manager (Cisco Unified CM) accessibility features.

**Table 4** Cisco Unified Communications Manager Accessibility Features

Accessibility Feature	Description	Configuration Requirements	For More Information
Programmable Line Keys (PLKs)	<p>Users can use the line buttons (the buttons to the right of the phone screen) to initiate, answer, or switch to a call on a particular line. A limited number of features, such as speed dial, extension mobility, privacy, BLF speed dial, DND, and Service URLs, get assigned to these buttons.</p> <p>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.</p> <p>Users can access features easily that may be assigned to softkeys normally, which can be too small and difficult to use.</p>	<p>Standard on all Cisco Unified IP Phones; configuration is required.</p> <p>Your system administrator assigns PLKs to your phone.</p>	<p>See the <i>Cisco Unified SIP Phone 3905 User Guide for Cisco Unified Communications Manager</i>.</p>



**Table 4** Cisco Unified Communications Manager Accessibility Features

Accessibility Feature	Description	Configuration Requirements	For More Information
Audible Message Waiting Indicator (AMWI)	<p>The Cisco Unified SIP Phone 3905 can send a line-specific stutter dial tone when a voice message is waiting on the phone. Users hear it only when using the line with the waiting messages. When the user goes off hook (on the line for which a voice message has been left), the stutter dial tone is heard.</p> <p>Users can change the audible voice-message indicator setting by logging in to their User Options web pages (Cisco Unified CM 9.1 and earlier) or Self Care Portal (Cisco Unified CM 10.0 and later), and changing the audible message-indicator setting to On or Off.</p>	<p>Standard on all Cisco Unified IP Phones. Configuration is required:</p> <ul style="list-style-type: none"> <li>System administrator</li> <li>Cisco Unified CM User Options or Self Care Portal</li> </ul>	See the <i>Cisco Unified SIP Phone 3905 User Guide for Cisco Unified Communications Manager</i> .
Do Not Disturb (Alert and Reject)	The system 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 Unified IP Phones. Configuration is required.	See the <i>Cisco Unified SIP Phone 3905 User Guide for Cisco Unified Communications Manager</i> .
Busy Lamp Field	<p>Users can use the Busy Lamp Field (BLF) feature to monitor the call state of a directory number associated with a speed-dial button, call log, or directory listing on the phone.</p> <p>In addition, users can use BLF pickup to monitor incoming calls on a directory number.</p> <p>When the DN receives an incoming call, the system alerts the monitoring user, who can then pick up the call.</p>	Standard on all Cisco Unified IP Phones. Configuration is required.	See the <i>Cisco Unified SIP Phone 3905 User Guide for Cisco Unified Communications Manager</i> .
User Options web pages (Cisco Unified CM 9.1 and earlier) or Self Care Portal (Cisco Unified CM 10.0 and later)	<p>The Cisco Unified SIP Phone 3905 is a network device that enables users to do the following:</p> <ul style="list-style-type: none"> <li>Share information with other network devices in their company, including their personal computer.</li> <li>Use their computer to log in to their Cisco Unified CM User Options web pages or Self Care Portal, where they can subscribe to services, set up speed dial and call forwarding numbers, configure ring settings, and create a personal address book.</li> </ul>	Standard on all Cisco Unified IP Phones. Configuration is required.	See the <i>Cisco Unified SIP Phone 3905 User Guide for Cisco Unified Communications Manager</i> .

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