Accessibility Features for the Cisco IP Phone 6800 Series

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Accessibility Features for the Cisco IP Phone 6800 Series

The Cisco IP Phone 6800 Series Multiplatform Phones provide 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.

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

Cisco IP Phone 6821 Multiplatform Phones Hearing-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

Figure 1: Cisco IP Phone 6821 Multiplatform Phones Hearing-Impaired Accessibility Features



ltem	Accessibility Feature	Description
1	Visual message-waiting indicator	This lighted strip is visible from all angles. Your phone also provides an audible message-waiting indicator.
2	Visual notification of the phone state	Use the Mute button to toggle the microphone on or off. When the microphone is muted, the mute icon flashes on the screen
3	Inline-amplifier support (handset)	Cisco IP Phone handsets support third-party inline amplifiers. You attach an amplifier to the handset and cord and it sits between the handset and the IP phone.
4	Adjustable ringtone, pitch, and volume	• Select Applications > User preferences.
		• Adjust the volume level for the phone ring. While the handset is in the cradle and the headset and speakerphone buttons are off, press Volume to raise or lower the volume.
		Your administrator can also change your settings.
5	Hearing aid compatible (HAC) handset	Supports these accessibility features:
		• Hearing-aid compatible.
		• Magnetic coupling of the hearing aid.
		• Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA).
		• Section 508 loudness requirements, which are met by using industry-standard inline handset amplifiers.
6	Acoustic coupled TTY and TDD	Cisco IP Phones support these TTY and TDD features:
	support (handset)	 Acoustic or direct connect TTYs from industry-leading manufacturers.
		• Real-time text transmission over phone lines.
		• Hearing and voice carry over phones (HCO/VCO).
		• VoIP network operating at G.711.
		For information about setting up TTY, contact your administrator.

Table 1: Hearing-Impaired Accessibility Features

Cisco IP Phone 6841, 6851, and 6861 Hearing-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

To check which phone model you have, press **Applications** and select **Status** > **Product information**. The **Product name** field shows your phone model.

Figure 2: Hearing-Impaired Accessibility Features—Cisco IP Phone 6841 Multiplatform Phones Shown



Table 2: Hearing-Impaired Accessibility Features

ltem	Accessibility Feature	Description
1	Visual message-waiting indicator (handset)	This lighted strip is visible from all angles. Your phone also provides an audible message-waiting indicator.
2	Visual notification of the phone state	• Toggle the Mute and Speakerphone buttons on and off to indicate the phone state.
		• Use the Mute button to toggle the microphone on or off. When the microphone is muted, the button is lit.
		• Use the Speakerphone button to toggle the speakerphone on or off. When the speakerphone is on, the button is lit.
3	Inline-amplifier support (handset)	Cisco IP Phone handsets support third-party inline amplifiers. You attach an amplifier to the handset and cord and it sits between the handset and the IP phone.

ltem	Accessibility Feature	Description
4	Adjustable ringtone, pitch, and volume	 Select Applications > User preferences. Adjust the volume level for the phone ring. While the handset is in the cradle and the headset and speakerphone buttons are off, press Volume to raise or lower the volume.
		Your administrator can also change your settings.
5	Hearing aid compatible (HAC) handset	 Supports these accessibility features: Hearing-aid compatible. Magnetic coupling of the hearing aid. Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA). Section 508 loudness requirements, which are met by using industry-standard inline handset amplifiers.
6	Acoustic coupled TTY and TDD support (handset)	 Cisco IP Phones support these TTY and TDD features: Acoustic or direct connect TTYs from industry-leading manufacturers. Real-time text transmission over phone lines. Hearing and voice carry over phones (HCO/VCO). VoIP network operating at G.711. For information about setting up TTY, contact your administrator.

Cisco IP Phone 6871 Multiplatform Phones Hearing-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

To check which phone model you have, press **Applications** and select **Status** > **Product information**. The **Product name** field shows your phone model.



Figure 3: Cisco IP Phone 6871 Multiplatform Phones Hearing-Impaired Accessibility Features

Table 3: Hearing-Impaired Accessibility Features

ltem	Accessibility Feature	Description
1	Visual message-waiting indicator (handset)	This lighted strip is visible from all angles. Your phone also provides an audible message-waiting indicator.
2	Visual notification of the phone state	• Toggle the Mute and Speakerphone buttons on and off to indicate the phone state.
		• Use the Mute button to toggle the microphone on or off. When the microphone is muted, the button is lit.
		• Use the Speakerphone button to toggle the speakerphone on or off. When the speakerphone is on, the button is lit.
3	Inline-amplifier support (handset)	Cisco IP Phone handsets support third-party inline amplifiers. You attach an amplifier to the handset and cord and it sits between the handset and the IP phone.

ltem	Accessibility Feature	Description
4	Adjustable ringtone, pitch, and volume	• Select Applications > User preferences.
		• Adjust the volume level for the phone ring. While the handset is in the cradle and the headset and speakerphone buttons are off, press Volume to raise or lower the volume.
		Your administrator can also change your settings.
5	Hearing aid compatible (HAC) handset	Supports these accessibility features:
		• Hearing-aid compatible.
		• Magnetic coupling of the hearing aid.
		• Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA).
		• Section 508 loudness requirements, which are met by using industry-standard inline handset amplifiers.
6	Acoustic coupled TTY and TDD	Cisco IP Phones support these TTY and TDD features:
	support (handset)	 Acoustic or direct connect TTYs from industry-leading manufacturers.
		• Real-time text transmission over phone lines.
		• Hearing and voice carry over phones (HCO/VCO).
		• VoIP network operating at G.711.
		For information about setting up TTY, contact your administrator.

Cisco IP Phone 6821 Multiplatform Phones Vision-Impaired and Blind Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.



Figure 4: Cisco IP Phone 6821 Multiplatform Phones

Table 4: Vision-Impaired and Blind Accessibility Features

ltem	Accessibility Feature	Description
1	High-contrast visual and audible alert of an incoming call	Alerts you to an incoming call. The light strip flashes during incoming calls and stays lit when a voicemail message is received.
2	Line and feature buttons The line and feature buttons are on the left of the screen.	Use line buttons to start, answer, or switch to a call on a particular line. Features, such as speed dial, line status, privacy, do not disturb (DND), and service URLs, can be assigned to feature buttons. Your administrator sets up programmable feature buttons on your phone. Colors indicate your phone's status: • Green—Line is idle. • Red, steady—Line is active or in use. • Red, flashing—Line is on hold or there is an inbound call. • Amber, steady—Line is unregistered (cannot be used).

ltem	Accessibility Feature	Description
3	Back-lit grayscale LCD screen with adjustable contrast	Allows you to adjust your phone screen's contrast.
4	Softkeys These are large buttons just below the LCD.	Provide access to special functions. The functions are displayed on the LCD.
5	Navigation Cluster (includes the Navigation buttons and the Select button)The Navigation cluster is located in the center of the phone below the softkeys.	Use the Navigation up and down buttons to move up and down in the phone LCD. The Select button is in the center of the Navigation cluster.
6	 Applications and Headset button These two large buttons are located on either side of the Navigation cluster. The Applications button is on the left. The Headset button is on the right. 	Use the Applications to access functions on your phone. Use the Headset button to toggle the headset on or off.
7	Standard 12-key layout	Allows you to use existing or familiar key positions. Key 5 has a nib.
8	 The Mute and Speakerphone buttons are located on either side of the volume button. The Mute button is on the left and the Speakerphone button is on the right. 	 Provide audible notification of the phone state: Toggle the Mute, and Speakerphone buttons on and off to indicate the phone state. Use the Mute button to toggle the microphone on or off. When the microphone is muted, the mute icon flashes on the screen. When you turn on Mute, your phone beeps once; when you turn off Mute, your phone beeps twice. Use the Speakerphone button to toggle the speakerphone on or off.
9	Volume key This key is located below the keypad.	Allows you to increase or decrease the ring volume or the sound through the handset, headset, or speakerphone. Press right on the rocker key to increase the volume. Press left on the rocker key to decrease the volume.

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Cisco IP Phone 6841, 6851, and 6861 Vision-Impaired and Blind Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

To check which phone model you have, press **Applications** and select **Status** > **Product information**. The **Product name** field shows your phone model.

Figure 5: Vision-Impaired and Blind Accessibility Features—Cisco IP Phone 6841 Multiplatform Phones Shown



Table 5: Vision-Impaired and Blind Accessibility Features

ltem	Accessibility Feature	Description
1	High-contrast visual and audible alert of an incoming call	Alerts you to an incoming call. The handset light strip flashes during incoming calls and stays lit when a voicemail message is received.

ltem	Accessibility Feature	Description
2	Line and feature buttons The line and feature buttons are on the left and right sides of the screen.	Use line buttons to start, answer, or switch to a call on a particular line.
		Features, such as speed dial, line status, privacy, do not disturb (DND), and service URLs, can be assigned to feature buttons.
		Your administrator sets up programmable feature buttons on your phone.
		Colors indicate your phone's status:
		 Green—Line is idle. Red, steady—Line is active or in use. Red, flashing—Line is on hold or there is an inbound call.
		• Amber, steady—Line is unregistered (cannot be used).
3	Back-lit grayscale LCD screen with adjustable contrast	Allows you to adjust your phone screen's contrast.
4	• These are large buttons just below the LCD.	Provide access to special functions. The functions are displayed on the LCD.
5	Navigation Cluster (includes the Navigation ring and the Select button)	Use the Navigation ring to move up and down in the phone LCD. The Select button is in the center of the Navigation cluster.
	The Navigation cluster is located in the center of the phone.	is in the center of the Putyrgation eruster.
6	Hold button, Transfer button, and Conference button	Allow you to use these functions on your phone.
	• These three large buttons are located to the right of Navigation cluster.	
	• In this group of buttons, the Hold button is the single button in the top row. Below the Hold button, the Transfer button is on the left, and the Conference button is on the right.	

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ltem	Accessibility Feature	Description
7	Messages button, Applications button, and Contacts button	Allow you to easily access your messages, applications, and contacts.
	• These three large buttons are located to the left of the Navigation cluster.	
	• In this group of buttons, the Messages button is the single button in the top row. Below the Messages button, the Applications button is on the left, and the Contacts button is on the right.	
8	Volume key This key is located to the left of the keypad.	Allows you to increase or decrease the ring volume or the sound through the handset, headset, or speakerphone.
		Press up on the rocker key to increase the volume. Press down on the rocker key to decrease the volume.
9	Standard 12-key layout	Allows you to use existing or familiar key positions. Key 5 has a nib.
10	• Headset, Speakerphone, and Mute buttons located to the right of the keypad.	Provide audible notification of the phone state:
	• The Speakerphone button is on the top, the Headset button is in the middle, and the Mute button is on the bottom.	• Toggle the Headset , Mute , and Speakerphone buttons on and off to indicate the phone state.
		• Use the Headset button to toggle the headset on or off. When the headset is on, the button is lit.
		• Use the Mute button to toggle the microphone on or off. When the microphone is muted, the button is lit. When you turn on Mute, your phone beeps once; when you turn off Mute, your phone beeps twice.
		• Use the Speakerphone button to toggle the speakerphone on or off. When the speakerphone is on, the button is lit.

Cisco IP Phone 6871 Multiplatform Phones Vision-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

To check which phone model you have, press **Applications** and select **Status** > **Product information**. The **Product name** field shows your phone model.



Figure 6: Cisco IP Phone 6871 Multiplatform Phones Vision-Impaired and Blind Accessibility Features

Table 6: Vision-Impaired and Blind Accessibility Features

ltem	Accessibility Feature	Description
1	High-contrast visual and audible alert of an incoming call	Alerts you to an incoming call. The handset light strip flashes during incoming calls and stays lit when a voicemail message is received.

ltem	Accessibility Feature	Description
2	Line and feature buttons The line and feature buttons are on the left and right sides of the screen.	Use line buttons to start, answer, or switch to a call on a particular line.
		Features, such as speed dial, line status, privacy, do not disturb (DND), and service URLs, can be assigned to feature buttons.
		Your administrator sets up programmable feature buttons on your phone.
		Colors indicate your phone's status:
		• 🔲 Green—Line is idle.
		• E Red, steady—Line is active or in use.
		• E Red, flashing—Line is on hold or there is an inbound call.
		• Amber, steady—Line is unregistered (cannot be used).
3	Back-lit color LCD screen with adjustable brightness	Allows you to adjust your phone screen's brightness.
4	Softkeys	Provide access to special functions. The
	• These are large buttons just below the LCD.	functions are displayed on the LCD.
5	Navigation Cluster (includes the Navigation ring and the Select button)	Use the Navigation ring to move up and down in the phone LCD. The Select button
	The Navigation cluster is located in the center of the phone.	is in the center of the Navigation cluster.
6	Hold button, Transfer button, and Conference button	Allow you to use these functions on your phone.
	• These three large buttons are located to the right of Navigation cluster.	
	• In this group of buttons, the Hold button is the single button in the top row. Below the Hold button, the Transfer button is on the left, and the Conference button is on the right.	

ltem	Accessibility Feature	Description
7	 Messages button, Applications button, and Contacts button These three large buttons are located to the left of the Navigation cluster. In this group of buttons, the Messages button is the single button in the top row. Below the Messages button, the Applications button is on the left, and the Contacts button is on the right. 	Allow you to easily access your messages, applications, and contacts.
8	Volume key This key is located to the left of the keypad.	Allows you to increase or decrease the ring volume or the sound through the handset, headset, or speakerphone. Press up on the rocker key to increase the volume. Press down on the rocker key to decrease the volume.
9	Standard 12-key layout	Allows you to use existing or familiar key positions. Key 5 has a nib.
10	 Headset button, Speakerphone button, and Mute button These three large buttons are located to the right of the keypad. The Speakerphone button is on the top, the Headset button is in the middle, and the Mute button is on the bottom. 	 Provide audible notification of the phone state: Toggle the Headset, Mute, and Speakerphone buttons on and off to indicate the phone state. Use the Headset button to toggle the headset on or off. When the headset is on, the button is lit. Use the Mute button to toggle the microphone on or off. When the microphone is muted, the button is lit. When you turn on Mute, your phone beeps once; when you turn off Mute, your phone beeps twice. Use the Speakerphone button to toggle the speakerphone is on, the button is lit.

Cisco IP Phone 6821 Multiplatform Phones Mobility-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.



Figure 7: Cisco IP Phone 6821 Multiplatform Phones Mobility-Impaired Accessibility Features

Table 7: Mobility-Impaired Accessibility Features

ltem	Accessibility Feature	Description
1	Lighted buttons	Allow you to access the following features:
		• Phone lines and intercom lines (line buttons)
		• Speed-dial numbers (speed-dial buttons, including the speed-dial line status feature)
		• Web-based services, such as a personal address book
		• Phone features, such as privacy
		Indicate your phone's status:
		• Green—Line is idle.
		• 🚍 Red, steady—Line is active or in use.
		• Bred, flashing—Line is on hold or there is an inbound call.
		• Amber, steady—Line is unregistered (cannot be used).
2	Large button to access Applica	tions Allow you to easily access your phone applications. Additional features are available with the softkeys.
3	Built-in speakerphone	Press the button to turn speakerphone on or off.

ltem	Accessibility Feature	Description
4	Tactile-discernible buttons and functions, including a nib on Key 5	Allow you to easily locate your phone's keys. For example, Key 5 has a nib, which you can use to locate other key positions.

Cisco IP Phone 6841, 6851, and 6861 Mobility-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

To check which phone model you have, press **Applications** and select **Status** > **Product information**. The **Product name** field shows your phone model.

Figure 8: Mobility-Impaired Accessibility Features—Cisco IP Phone 6841 Multiplatform Phones Shown



ltem	Accessibility Feature	Description
1	Lighted buttons	Allow you to access the following features:
		• Phone lines and intercom lines (line buttons)
		• Speed-dial numbers (speed-dial buttons, including the speed-dial line status feature)
		• Web-based services, such as a personal address book
		• Phone features, such as privacy
		Indicate your phone's status:
		• 🔲 Green—Line is idle.
		• 🚍 Red, steady—Line is active or in use.
		• Red, flashing—Line is on hold or there is an inbound call.
		• Amber, steady—Line is unregistered (cannot be used).
2	Large buttons to access Applications , Messages , Contacts , Hold , Transfer , and Conference	Allow you to easily access your phone applications, voice messages, corporate and personal directories, and calling features.
3	Built-in speakerphone	Indicates whether the speakerphone is on or off. When the speakerphone is on, the button is lit.
4	Tactile-discernible buttons and functions, including a nib on Key 5	Allow you to easily locate your phone's keys. For example, Key 5 has a nib, which you can use to locate other key positions.

Table 8: Mobility-Impaired Accessibility Features

Cisco IP Phone 6871 Multiplatform Phones Mobility-Impaired Accessibility Features

Your phone comes with standard accessibility features that require little or no setup.

To check which phone model you have, press **Applications** and select **Status** > **Product information**. The **Product name** field shows your phone model.



Figure 9: Cisco IP Phone 6871 Multiplatform Phones Mobility-Impaired Accessibility Features

Table 9: Mobility-Impaired Accessibility Features

Accessibility Feature	Description
Lighted buttons	Allow you to access the following features:
	• Phone lines and intercom lines (line buttons)
	• Speed-dial numbers (speed-dial buttons, including the speed-dial line status feature)
	 Web-based services, such as a personal address book
	Phone features, such as privacy
	Indicate your phone's status:
	• Coreen—Line is idle.
	• E Red, steady—Line is active or in use.
	• E Red, flashing—Line is on hold or there is an inbound call.
	• Amber, steady—Line is unregistered (cannot be used).
	-

ltem	Accessibility Feature	Description
2	Large buttons to access Applications , Messages , Contacts , Hold , Transfer , and Conference	
3	Built-in speakerphone	Indicates whether the speakerphone is on or off. When the speakerphone is on, the button is lit.
4	Tactile-discernible buttons and functions, including a nib on Key 5	Allow you to easily locate your phone's keys. For example, Key 5 has a nib, which you can use to locate other key positions.

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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