# Accessories

## Phone Accessories

Your phone supports accessories from Cisco and third-party manufacturers.

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Type</th>
<th>Cisco Unified IP Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>8961</td>
</tr>
<tr>
<td><strong>Cisco Accessory</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cisco Unified IP Color Key Expansion Module</td>
<td>Add-on module</td>
<td>X</td>
</tr>
<tr>
<td>Cisco Unified Camera Add-on module</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td>Virtual desktop infrastructure (VDI) client Add-on module</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>Third-Party Accessories</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Headset Analog</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Analog Wideband</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td>USB</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Microphone External PC</td>
<td>—</td>
<td>X</td>
</tr>
<tr>
<td>Speakers External PC</td>
<td>—</td>
<td>X</td>
</tr>
</tbody>
</table>
**USB Devices**

Each USB port supports a maximum of five supported and nonsupported devices that are connected to the phone. Each device connected to the phone is included in the maximum device count. For example, your phone can support five USB devices (such as three Cisco Unified IP Color Key Expansion modules, one hub, and one other standard USB device) on the side port and five additional standard USB devices on the back port. (Many third-party USB products count as several USB devices.) If you use a USB hub and remove the USB cable from the phone or device port during an active call, it may cause your phone or device to reboot. For more information, see your system administrator.

**Cisco Unified IP Color Key Expansion Module**

The Cisco Unified IP Color Key Expansion Module attaches to your Cisco Unified IP Phone 8961, Cisco Unified IP Phone 9951, and Cisco Unified IP Phone 9971 and allows you to add up to 36 extra line appearances or programmable buttons to your phone. The programmable buttons can be set up as phone line buttons, speed-dial buttons, or phone feature buttons.

You can add multiple Expansion Modules to the Cisco Unified IP Phone 9951 and Cisco Unified IP Phone 9971.

<table>
<thead>
<tr>
<th>Cisco Unified IP Phone Model</th>
<th>Number of Expansion Modules Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td>9971</td>
<td>3 Expansion Modules with 108 lines or buttons</td>
</tr>
<tr>
<td>9951</td>
<td>2 Expansion Modules with 72 lines or buttons</td>
</tr>
<tr>
<td>8961</td>
<td>1 Expansion Module with 36 lines or buttons</td>
</tr>
</tbody>
</table>

When multiple Expansion Modules are attached, they are numbered according to the order in which they are connected to the phone. For example:

- Key Expansion Module 1 is the Expansion Module closest to the phone.
- Key Expansion Module 2 is the Expansion Module in the middle.
- Key Expansion Module 3 is the Expansion Module farthest to the right.
Features of the Cisco Unified IP Color Key Expansion Module

The Cisco Unified IP Color Key Expansion Module includes the following features.
Phone screen—Displays the phone number, speed-dial number (or name or other text label), phone service, phone feature, or Privacy assigned to each button. Icons indicating line status appear similar to, and function the same as, those on the Cisco Unified IP Phone to which the Key Expansion Module is attached.

<table>
<thead>
<tr>
<th>1</th>
<th>Lighted Buttons—18 line buttons. Each button corresponds to one line (as with the Cisco Unified IP Phone). The lights beneath each button indicate the state of the corresponding line as follows:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Line available: light off</td>
</tr>
<tr>
<td></td>
<td>• Line in use by you: solid green light</td>
</tr>
<tr>
<td></td>
<td>• Line in use by someone else: solid red light</td>
</tr>
<tr>
<td></td>
<td>• Line ringing: solid amber light</td>
</tr>
<tr>
<td></td>
<td>• You have a call on hold: solid green light</td>
</tr>
<tr>
<td></td>
<td>• Someone else has a call on hold on a shared line: solid red light</td>
</tr>
<tr>
<td></td>
<td>• Call transfer: solid green light</td>
</tr>
<tr>
<td></td>
<td>• Call is ringing on an inactive page: solid amber light</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>Shift Buttons—2 buttons. Each button corresponds to one page of 18 line keys. The button for page one is labeled with the number 1 and the button for page two is labeled with the number 2. The lights beneath each button indicate the state of the page as follows:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Page is in view: solid green light</td>
</tr>
<tr>
<td></td>
<td>• Page is not in view: light off</td>
</tr>
<tr>
<td></td>
<td>• Page is not in view, with one or more alerting calls on the page: solid amber light</td>
</tr>
<tr>
<td></td>
<td>• Page is in view with one or more alerting calls on the page: solid green light</td>
</tr>
<tr>
<td></td>
<td>• A call is ringing on an inactive page: flashing amber light</td>
</tr>
</tbody>
</table>
**Place a Call on the Expansion Module**

Press the line button on the Expansion Module.

**Configure Buttons**

Before you can set up buttons, ask your system administrator for the following information to access your Cisco Unified Communications Manager User Options web page:

- The URL
- Your user name and password

After you have this information, you can configure your speed-dial numbers or program buttons to access phone services. Phone services can include, for example, weather, stock quotes, or corporate calendars and directories.

**Related Topics**

User Options, page 99

**Adjust the Brightness**

1. Press the **Applications** button.
2. Select **Preferences**. (Use the Navigation pad and Select button to scroll and select.)
3. Select **Brightness**.
4. Select **Key Expansion Module**.
   - To increase brightness, press the right arrow on the Navigation pad.
   - To decrease brightness, press the left arrow on the Navigation pad.
5. Press the **Save** softkey to set the brightness, or press the **Cancel** softkey to exit.
Cisco Unified Video Camera

(For the Cisco Unified IP Phone 9951 and 9971 only.)

The Cisco Unified Video Camera connects to your Cisco Unified IP Phone and allows you to make a point-to-point video call with another Cisco Unified IP Phone with a Cisco Unified Video Camera attached. If a phone does not have a Cisco Unified Video Camera attached, it can receive only one-way video.
Features of the Cisco Unified Video Camera

The Cisco Unified Video Camera includes the following features.

1. **LED**—Indicates the state of the camera as follows:
   - Video transmitting—Green
   - Video muted—Red

2. **Camera lens**—Lens can swivel up and down to adjust the camera angle. The lens shutter can close to block video transmission.

3. **USB connector**

4. **Mounting pins**—Use to secure the camera to your Cisco Unified IP Phone. The pins fit into the designated slots on top of the phone.
Camera Lens Shutter

The camera lens shutter allows you to physically block video transmission from your camera.

Close the Camera Lens Shutter

Rotate the lens clockwise to close the shutter. To open the shutter, rotate the lens counterclockwise.

Install the Cisco Unified Video Camera

The Cisco Unified Video Camera can be mounted on your Cisco Unified IP Phone 9971 or 9951, or it can be mounted on your computer monitor. If you need help installing or positioning your camera, contact your system administrator.

Related Topics

- Mount the Camera on Your Phone
- Mount the Camera on Your Monitor

Mount the Camera on Your Phone

1. Remove the protective plastic from the camera lens and body.
2. On the phone, remove the small plastic cover located on the topside of the phone display.
3. With your phone idle (no calls), slide the camera’s USB connector (on the bottom of the camera) into the phone’s USB port (on the back of the phone display).

As you do this, pins on the underside of the camera fit into pinholes on the topside of the phone display to stabilize the camera further.
4. Look for installation confirmation on the phone screen.
5. Once the installation is complete, adjust the View Area and Brightness settings as needed.

Mount the Camera on Your Monitor

1. Obtain a mounting clip and USB extension cable from your system administrator.
2. Remove the protective plastic from the camera lens and body.
3. Plug the USB extension cable into the USB port on the back of the phone display.
4. Place the camera in the mounting clip.
5. With your phone idle (no calls), attach the USB cable to the USB connector on the bottom of the camera.

6. Adjust the mounting clip as needed to rest securely on your computer monitor. The mounting clip has two removable sliding supports (small and large). Choose the support that best fits your computer monitor; you can remove the remaining support.

7. Look for installation confirmation on the phone screen.

8. After the installation is complete, adjust the View Area and Brightness settings as needed.

**Camera Preferences**

Camera preferences allows you to set user preferences for the following items:

- Preview Video
- Auto Transmit
- Brightness
- View Area

**Preview Video**

Preview Video allows you to see the view from your camera when you are not in a video call. Use Preview Video before making video calls to help set up and position your camera effectively.

**Preview the Video**

1. Press the More softkey.
2. Press the Preview Video softkey.
Auto Transmit

When Auto Transmit Video is on, the camera streams video automatically during calls. When Auto Transmit is off, video for each call is automatically muted (however, your phone still receives video).

Enable Auto Transmit

1. Press the Applications button.
2. Select Accessories. (Use the Navigation pad and Select button to scroll and select.)
3. Highlight Cisco Unified Video Camera.
4. Press the Setup softkey.
5. Press the Turn On softkey to enable the Auto Transmit feature, or press the return softkey to return to the Setup screen.

Disable Auto Transmit

1. Press the Applications button.
2. Select Accessories. (Use the Navigation pad and Select button to scroll and select.)
3. Highlight Cisco Unified Video Camera.
4. Press the Setup softkey.
5. Press the Turn Off softkey to disable the Auto Transmit feature, or press the return softkey to return to the Setup screen.

Camera Brightness

The Brightness setting affects the video that you transmit to others; it does not affect video that you receive from other parties. Because the field of view can affect brightness, adjust the View Area before adjusting Brightness.

Related Topics

View Area

Adjust the Camera Brightness

1. Press the Applications button.
2. Select Accessories. (Use the Navigation pad and Select button to scroll and select.)
3. Highlight Cisco Unified Video Camera.
4. Select **Brightness**.
   - To increase brightness, press the right or up arrow on the Navigation pad.
   - To decrease brightness, press the left or down arrow on the Navigation pad.
5. Press the **Save** softkey to set the brightness, or press the return softkey ↺ to return to the Set-up screen.

**View Area**

The View Area acts as a wide angle and zoom function for your camera:

- Increasing the view area allows the camera to capture a wider image field.
- Decreasing the view area acts a zoom and narrows the image field.

**Adjust the Camera View Area**

1. Press the **Applications** button ．
2. Select **Accessories**. (Use the Navigation pad and Select button to scroll and select.)
3. Highlight **Cisco Unified Video Camera**.
4. Select **View Area**:
   - To increase the camera viewing area, press the right or up arrow on the Navigation pad.
   - To decrease the camera viewing area, press the left or down arrow on the Navigation pad.
5. Press the **Save** softkey to set the contrast, or press the return softkey ↺ to return to the Setup screen.

**Video Screen Features**

From a video call, you can do the following:

- Hide the Video
- Enable Full Screen Video
- Mute the Video
- Toggle between views
- Adjust the picture-in-picture (PIP) position

**Hide or Show the Video**

1. Press the **Hide Video** softkey.
2. Press the **Show Video** softkey to view the video screen.
Enable Full Screen Video

1. Press the Full Screen softkey.
2. Press the Minimize softkey to return to the original view.

Mute the Video

1. Press the Mute Video softkey.
2. Press the Unmute Video softkey to unmute the video.

Swap Between Views

Press the Swap softkey to toggle between the full-screen view and the PIP view. The Swap softkey is only available if you are in full-screen view.

Adjust the Picture-in-Picture Position

Press the PIP softkey  to move the PIP window to a different quadrant of the screen.
To disable PIP, press the PIP softkey five times.

Bluetooth Headsets

(For Cisco Unified IP Phone 9951 and 9971 only.)
The Cisco Unified IP Phone 9951 and 9971 support Bluetooth Class 2 technology when the headsets support Bluetooth. Bluetooth enables low-bandwidth wireless connections within a range of 30 feet (10 meters). The best performance is in the 3- to 6-foot (1- to 2-meter) range. You can pair up to five headsets, but only the last one connected is used as the default.

When using Bluetooth headsets with your phone, these conditions apply:
• You can pair and connect up to five Bluetooth headsets to your phone, but the last Bluetooth headset connected becomes the default for use with the phone.
• After a Bluetooth headset is connected, turning it off and on will reconnect it to the phone. Refer to these instructions before using the Bluetooth headset:
  – If you have both a Bluetooth headset and an analog headset attached to the phone, only one type of headset will work at any time. Using a USB headset will disable both the Bluetooth and analog headset.
  – Enable the Bluetooth headset to disable the analog headset.
  – Disable the Bluetooth headset to enable the analog headset.
  – Unplug the USB headset and then enable either the Bluetooth headset or the analog headset.
• For optimum headset coverage, use your Bluetooth headset within 10 ft of the phone, although Bluetooth coverage extends to about 30 ft from the phone.
• Your phone supports the Bluetooth Handsfree Profile. If your Bluetooth headset supports these features, you can perform these call functions from your Bluetooth headset:
  – Answer a call
  – End a call
  – Change the headset volume for a call
  – Redial
  – Caller ID
  – Reject
  – Divert
  – Hold and Accept
  – Release and Accept

For more information, see the documentation from your Bluetooth headset manufacturer.

While using Bluetooth headset, there can be potential interference issues, therefore it is recommended that you reduce the proximity of other 802.11b/g devices, Bluetooth devices, microwave ovens, and large metal objects.

For a Bluetooth wireless headset to work, it does not need to be within direct line-of-sight of the phone, but some barriers, such as walls or doors, and interference from other electronic devices, can affect the connection.

**VDI Clients**

The virtual desktop infrastructure (VDI) client attaches to the Cisco Unified IP Phone 8961, 9951, or 9971. It provides a virtual environment that allows users to work and collaborate from any device and location at any time.

The VDI client is supported when it is powered by Cisco IP Power Cube only.