About This Guide

Thank you for choosing the Polycom® SoundPoint IP 670, a full-duplex, hands-free SIP desktop phone. This unit provides business telephony features and functions such as multiple call appearances, call hold, transfer, and conference over an IP network.

This guide includes overview information that you may find helpful when you are first learning about your phone, or when you have experience but need a quick refresher. Be sure to verify with your system administrator that your network is prepared for configuring your SoundPoint IP 670 phone. As well, be sure to read the Getting Started with Your Phone and Regulatory Notices sections in this guide before you set up and use your SoundPoint IP 670 phone. You can also find this information at http://www.polycom.com/support/voicedocumentation/.

Changes to This Guide

The following sections are new for this edition:

- Locking and Unlocking Your Phone on page 3-26.
- Accessing Features with Your Login Credentials on page 4-26.
- Updating Your Phone’s Configuration on page 4-26.

Major updates have occurred to the following sections since the previous edition:

- Restarting Your Phone on page 4-27.
- Customizing Your Phone now starts on page 2-1.

Note: The SoundPoint IP 670 phone, running UC Software 4.0.1, is not supported for use with Microsoft Lync Server 2010.
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End-User License Agreement for Polycom® Software
Getting Started with Your Phone

This chapter provides basic installation instructions and information for obtaining the best performance with the Polycom® SoundPoint IP 670 desktop phone.

The SoundPoint IP 670 provides a powerful, yet flexible IP communications solution, delivering excellent voice quality. The high-resolution color graphic display supplies content for call information, multiple languages, directory access, and system status. The SoundPoint IP 670 supports advanced functionality, including multiple call and flexible line appearances, HTTPS secure provisioning, simplified configuration, presence, custom ring tones, local conferencing, applications, and Polycom® HD™ Voice technology.

The SoundPoint IP 670 provides a visually improved platform for applications which can leverage its color display.

Powered by state of the art Gigabit Ethernet IP telephony technology, the SoundPoint IP 670 features a future-proof dual-port Gigabit Ethernet switch for seamless integration with a computer or desktop server. For organizations with existing GigE deployment, the SoundPoint IP 670 delivers unobstructed, high-speed access to data and productivity-boosting data and applications. For organizations with plans to migrate to GigE, the SoundPoint IP 670 protects investment in desktop networking.

When equipped with up to three SoundPoint IP Color Expansion Modules, the SoundPoint IP 670 turns into a productivity-enhancing attendant console for attendants to increase call handling capability and to view presence information without the need for a computer.

For the package list and instructions on how to assemble your phone, refer to the SoundPoint IP 670 Quick Start Guide.

This chapter contains information on:

• Features of Your Phone
• Before You Use Your Phone
• Features of Your Phone
• Using the Polycom Web Configuration Utility
To customize your phone, refer to Customizing Your Phone on page 1-1. To read about the phone’s basic features, refer to Using the Basic Features of Your Phone on page 3-1. To read about the phone’s advanced features, refer to Using the Advanced Features of Your Phone on page 4-1. To add a SoundPoint IP Expansion Module to your SoundPoint IP 670 phone, refer to Using the SoundPoint IP Color Expansion Module on page 5-1.

If you require additional information or assistance with your new phone, contact your system administrator.

Features of Your Phone

The features of your SoundPoint IP 670 phone are:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Message Waiting Indicator</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2 Arrow Keys</td>
<td>Scroll through displayed information.</td>
</tr>
<tr>
<td></td>
<td>Select a field of displayed data.</td>
</tr>
<tr>
<td></td>
<td>Delete displayed data.</td>
</tr>
<tr>
<td>3 Feature Keys:</td>
<td>Allow you to quickly access important features with a single press.</td>
</tr>
<tr>
<td>4 Microphone Mute</td>
<td>Mutes audio transmission locally during calls and conferences.</td>
</tr>
<tr>
<td>5 Headset</td>
<td>Allows you to place and receive calls through an optionally connected headset.</td>
</tr>
<tr>
<td>6 Speakerphone</td>
<td>Allows for hands-free communication during calls.</td>
</tr>
<tr>
<td>7 Hands-free Microphone</td>
<td>Picks up audio during hands-free calls. Place your phone on a hard, flat surface for best results.</td>
</tr>
<tr>
<td>8 Volume Keys</td>
<td>Adjusts the volume of the handset, headset, speaker, and ringer.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>9</td>
<td>Dial Pad Provides the 10 digits, the alphabetic characters, and special characters available in context-sensitive applications.</td>
</tr>
<tr>
<td>10</td>
<td>Hold Holds an active call or resumes a held call.</td>
</tr>
<tr>
<td>11</td>
<td>Speaker For ringer and hands-free audio output.</td>
</tr>
<tr>
<td>12</td>
<td>Soft Keys These keys are automatically labeled to identify their context-sensitive functions.</td>
</tr>
<tr>
<td>13</td>
<td>Color Graphic Display Shows the user interface of the phone. For more information, refer to Information Status on page 1-7.</td>
</tr>
<tr>
<td></td>
<td>Associated line icons are described in the following table.</td>
</tr>
<tr>
<td>14</td>
<td>Line/Speed Dial Key Use these keys to activate up to six lines or speed dials that can be assigned to your phone.</td>
</tr>
<tr>
<td>15</td>
<td>Line Indicators Individual multi-color LEDs display the dynamic call state and remote user status (busy lamp field (BLF) and presence). The mapping is:</td>
</tr>
<tr>
<td></td>
<td>• Solid green—An active call is in progress.</td>
</tr>
<tr>
<td></td>
<td>• Fast flashing green—There is an incoming (ringing) call.</td>
</tr>
<tr>
<td></td>
<td>• Flashing green—The call is held by the other party.</td>
</tr>
<tr>
<td></td>
<td>• Flashing red—The call is on hold.</td>
</tr>
<tr>
<td></td>
<td>• Solid red—The line is busy remotely (shared lines)</td>
</tr>
<tr>
<td>16</td>
<td>Hookswitch</td>
</tr>
</tbody>
</table>


Icons associated with the line keys appear on the graphic display and represent:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📞</td>
<td>Registered line (solid)</td>
</tr>
<tr>
<td>📞</td>
<td>Registered shared line</td>
</tr>
<tr>
<td>📞</td>
<td>Unregistered line (outline)</td>
</tr>
<tr>
<td>📧</td>
<td>Voice mail/Text messages</td>
</tr>
<tr>
<td>⏰</td>
<td>Speed dial</td>
</tr>
<tr>
<td>🔔</td>
<td>Ringing</td>
</tr>
<tr>
<td>📺</td>
<td>Call in progress with HD Voice</td>
</tr>
<tr>
<td>🔄</td>
<td>Call in progress</td>
</tr>
<tr>
<td>🔴</td>
<td>Call Forward</td>
</tr>
<tr>
<td>🛡</td>
<td>Held/On Hold Line</td>
</tr>
<tr>
<td>⌚</td>
<td>Do Not Disturb</td>
</tr>
<tr>
<td>🔌</td>
<td>Conference</td>
</tr>
<tr>
<td>⚪️</td>
<td>Presence/Busy Lamp Field (BLF)</td>
</tr>
</tbody>
</table>
Before You Use Your Phone

This section includes information on how to navigate the phone’s menus, how to enter data, how to read the phone’s information status bar, and how to clean the color LCD display.

Note

The background and key colors that appear on your SoundPoint IP 670 phone may differ from what appears in this user guide.

Using the Navigation Keys

To navigate menus and enter data, use these tips:

Note

After 20 seconds of inactivity, the menu system automatically exits to the idle screen unless an edit session is in progress.

<table>
<thead>
<tr>
<th>If you want to...</th>
<th>Then do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter the main menu</td>
<td>Press [Menu]</td>
</tr>
<tr>
<td>Exit a menu to the idle screen</td>
<td>Press [Menu]</td>
</tr>
<tr>
<td>Exit a directory to the idle screen</td>
<td>Press [Directories]</td>
</tr>
<tr>
<td>Return to the previous menu</td>
<td>Press [Back] or the Back soft key</td>
</tr>
<tr>
<td>Scroll through lists and menus</td>
<td>Press/Hold [Left] or [Right]</td>
</tr>
<tr>
<td>Scroll through pages</td>
<td>Press * to Page Up and # to Page Down.</td>
</tr>
<tr>
<td>Select a menu Item</td>
<td>Highlight the item and press [Left] or [Right]. Press the dial pad key that corresponds to the number menu list (Press 2 for the second menu item)</td>
</tr>
<tr>
<td>View additional soft keys</td>
<td>Press the More soft key</td>
</tr>
<tr>
<td>Enter numbers</td>
<td>Press the dial pad key with the corresponding number.</td>
</tr>
<tr>
<td>Enter text</td>
<td>Press the dial pad keys one or more times. To enter ‘A’, press &lt;1&gt; once. To enter ‘C’, press &lt;1&gt; three times quickly.</td>
</tr>
<tr>
<td>Enter lower or upper case characters, or numbers.</td>
<td>Press the 1/A/a soft key one or more times to select upper/lower case alphanumeric mode or numeric mode (visible in the status bar). Then use the dial pad to enter numbers or text as you normally would.</td>
</tr>
</tbody>
</table>
Information Status

The top line of the screen (or graphic display) shows status information. It scrolls vertically if there is more than one message. The information bar also shows items such as time and date, do not disturb (shown below), and missed calls.

<table>
<thead>
<tr>
<th>If you want to...</th>
<th>Then do this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter special characters</td>
<td>Press *, #, &lt;1&gt;, &lt;0&gt; one or more times quickly in alphanumeric mode. Press * or # once or twice quickly in numeric mode. To enter a space, press &lt;0&gt; three times quickly in alpha mode.</td>
</tr>
<tr>
<td>Enter an IP address or URL</td>
<td>Press a dial pad key once for numbers and one to four more times quickly for letters.</td>
</tr>
<tr>
<td>Change the character set</td>
<td>Press the Encoding soft key to select the character set (shown in the title bar) for the text being entered.</td>
</tr>
<tr>
<td>Delete characters you entered</td>
<td>Press ( \times )</td>
</tr>
<tr>
<td>Toggle to enable or disable fields</td>
<td>Toggle ( \bigcirc )</td>
</tr>
<tr>
<td>Enable or disable menu items</td>
<td>Press ( \checkmark )</td>
</tr>
</tbody>
</table>

Cleaning the LCD Glass

Clean the glass with a clean lint-free cloth. Fingerprints tend to show up more obviously on the color LCD.
Registering Your Phone

Generally, your phone will be deployed with multiple other phones. In this case, your system administrator will configure the phone parameters beforehand, so that once it is set up, it will be registered and ready to use.

If your phone is not part of a large deployment, it may not be registered after you set it up. Before you use your phone, you or your system administrator will have to register it.


Using the Polycom Web Configuration Utility

This user guide explains how to update phone settings from your phone, using your phone’s menu system. If you want, you can update these settings remotely with the Polycom Web Configuration Utility.

The phone’s Web Configuration Utility enables you to view and configure phone behavior from a computer using any compatible Web browser. The utility provides a browser-friendly view of your phone’s current settings. Using the utility, you can perform the same updates from your computer that you can perform using your phone’s menu system.

You can access the utility using any compatible Web browser. Before you begin, you’ll need to know the IP address of your phone, and the user name and password login credentials of the phone user or the phone administrator.

Note

For detailed information on accessing, navigating, and using the utility, see the Polycom Web Configuration Utility User Guide, available from the Technical Bulletins Support page.

To access the Web Configuration Utility for your phone:

1. Launch the compatible Web browser from a computer on the same network as your phone. The supported browsers are:
   - Microsoft Internet Explorer (version 7.0 and higher)
   - Mozilla Firefox (version 3.0.X and higher)
   - Apple Safari (version 5 and higher)
   - Google Chrome
2 In the Address Bar of your Web Browser, enter the IP address of your phone.
   The IP address is four sets of numbers separated by periods. For example, if your phone’s IP address is 123.22.3.4, enter **123.22.3.4** in the address bar.

3 Press the **Enter** key.

4 From the Web Configuration Utility login screen, select **User**, and then enter the User password.

   **Note**
   
   The factory default password for a User is 123.

5 Click **Submit**.

   The Web Configuration Utility Home screen is displayed.
You can customize your Polycom® SoundPoint IP 670 desktop phone by adjusting settings such as: time and date, display contrast, and ring type. You can add contacts to the phone’s directory manually or from call lists. You can handle incoming calls from different contacts in different ways.

This chapter provides basic operating instructions for customizing your SoundPoint IP 670 phone. The topics include:

- Configuring Basic Settings
- Managing Call Lists
- Managing Contacts
- Managing Incoming Calls

Some customizations of your SoundPoint IP 670 phone are performed by your system administrator. For more information about these customizations, refer to System Customizations on page 2-24.

If you require additional information or assistance with your new phone, contact your system administrator.

## Configuring Basic Settings

You can configure basic settings such as appearance of the time and date, display contrast, backlight intensity, headset memory mode, headset hookswitch selection, ring type, audible ringer, language support localization, background pattern and soft key label color through the phone’s menu.

### Changing the Appearance of the Time and Date

The time and date appears on the graphic display of the SoundPoint IP 670 phone. If the phone cannot obtain a time and date from the call server, the display will flash. Contact your system administrator if either the time or date is incorrect.
You can select from various formats for the time and date display. You can also disable the time and date so they do not display on the phone.

To configure the time and date formats:

1. Press \text{Menu}.
2. Select Settings > Basic > Preferences > Time & Date.
3. Select from Clock Date, Clock Time (shown below), Clock Order, or Enable/Disable.
4. Scroll through the options under each of these selections.
5. Press the Select soft key to confirm your choice.
6. Press \text{Menu} to return to the idle screen.

\textbf{Changing the Display Contrast}

You may adjust the contrast of the phone display and the idle display separately.

To adjust the contrast on the phone display:

1. Press \text{Menu}.
2. Select Settings > Basic > Contrast.

3. Press the Up or Down soft keys, or the volume keys, to increase or decrease the display contrast.

4. Press the Ok soft key to accept your changes.

5. Press Menu to return to the idle screen.

To adjust the contrast on the expansion module:

Perform the same steps as above, except press the Up or Down soft keys on the expansion module to change its contrast.

Changing the Backlight Intensity

Backlight intensity on the SoundPoint IP 670 phone has three components:

- Backlight On
- Backlight Idle
- Maximum Intensity

You can modify the Backlight On Intensity and the Backlight Idle Intensity separately. You can choose a high, medium, or low intensity, or turn the backlight off entirely.

When you modify the Maximum Intensity, you are modifying the entire backlight intensity scale. For example, if you decrease the Maximum Intensity, the low, medium, and high values for the Backlight On intensity and the Backlight Idle intensity will decrease proportionally.

If you have attached any expansion modules and you find the backlight levels between them and your phone are incompatible, you can modify the maximum backlight intensity for each unit individually to match all backlights to an overall consistent level. Refer to step 8 below for details.

The backlight automatically turns on with any button, soft key, hookswitch, USB, or telephony activity. After 20 seconds of inactivity, the backlight dims to its idle intensity.
To modify the backlight intensity:

1. Press Menu.
2. Select Settings > Basic > Backlight Intensity.
3. Select Backlight On Intensity.
4. Scroll to select high (default), medium, low, or off, and then press the Select soft key. Press the Save soft key to accept your changes.
5. Select Backlight Idle Intensity.
6. Scroll to select high, medium, low (default), or off, and then press the Select soft key. Press the Save soft key to accept your changes.
7. Select Maximum Intensity.
8. To increase or decrease the maximum backlight intensity on the phone’s display, press the Up or Down soft keys.

To increase or decrease the maximum backlight intensity on the expansion module, press the Up or Down soft keys on the expansion module.

The backlight intensities for the On and Idle modes, as well as the backlight intensities between each expansion module and the phone’s screen are shown relative to these values.

9. Press the Ok soft key to accept your changes.

10. Press Menu to return to the idle screen.

**Changing the Backlight Timeout**

You can change the length of time your phone is idle before the backlight changes to the Backlight Idle Intensity.

**To change the backlight timeout:**

1. Press Menu.
2. Select Settings > Basic > Backlight Timeout.

![Backlight Timeout](image)

3. From the Backlight Timeout screen, scroll to the timeout you want, then press the Select soft key.

   The default timeout is 40 seconds.

4. Press Menu to return to the idle screen.

**Enabling Headset Memory Mode**

This feature is especially useful for frequent or full-time headset users. You can set up your phone so that all incoming and outgoing calls use your headset. At any time, you can switch to handset or speakerphone mode.
To use Headset Memory Mode, you must enable, and then activate, Headset Memory Mode. When Headset Memory Mode is activated, the Headset key flashes.

**To enable Headset Memory Mode:**

1. Press Menu.
2. Select Settings > Basic > Preferences > Headset > Headset Memory
3. Scroll to select Enabled, and then press the Select soft key.

4. Press Menu to return to the idle screen.

Repeat steps 1 to 4 and select Disabled to turn Headset Memory Mode off.

**To activate Headset Memory Mode:**

Press twice.

The flashing headset icon on the graphic display or a flashing headset key indicates that the headset mode is activated. Pressing or the Answer soft key to receive a call will now connect to your headset automatically.

**Selecting the Correct Headset for Electronic Hookswitch**

This feature allows you to answer your phone from your headset if you are using one.

For information on headsets that provide Polycom supported electronic hookswitch features for placing, answering, and ending calls, refer to Technical Bulletin 37477 SoundPoint IP Family Headset Compatibility List, available from http://www.polycom.com/support/voice/soundpoint_ip/VoIP_Technical_Bulletins_pub.html
To select a headset that supports electronic hookswitch:

1. Press \( \text{Menu} \).
2. Select Settings > Basic > Preferences > Headset > Analog Headset.
3. Scroll to select your headset, and then press the Select soft key.

4. Press \( \text{Menu} \) to return to the idle screen.

Selecting the Ring Type

You can select different ring types to distinguish different lines or phones from each other.

To change the incoming ring type:

1. Press \( \text{Menu} \).
2. Select Settings > Basic > Ring Type.
3. If multiple lines are configured on your phone, scroll to the desired line and select it.
4. Scroll to select the desired ring type.
   To hear the selected ring type, press the Play soft key.

5. Press the Select soft key to change to the selected ring type.
6. Press 📌Menu to return to the idle screen.

**Note**
If you configure your SoundPoint IP 670 phone with a silent ring, press the flashing Line key or the Answer soft key to answer the call. If your handset is off hook, the call is routed to the handset. If your handset is on hook, the call is routed to the speaker.

## Changing the Audible Ringer

The SoundPoint IP 670 phone can play the audible ringer of an incoming call through any of its alerting destinations: the speaker, the handset, the headset (if enabled), or the active destination.

**Note**
If the **Active** destination is selected, the audible ringer is played through:
- The speaker, by default.
- The handset, if it is off-hook and the phone is idle.
- The headset, if it is connected and Headset Memory Mode is enabled (refer to [Enabling Headset Memory Mode](#) on page 2-5).

**To change the audible ringer:**

1. Press 📌Menu.
2. Select **Settings > Basic > Preferences > Audible Ringer**.
3. Scroll to select the desired ring destination.

Choose Speaker, Handset, Headset, or Active as the alerting destination for the audible ringer.

4. Press the Select soft key to change to the selected audible ringer.
5. Press 📌Menu to return to the idle screen.
Changing the Language

The SoundPoint IP 670 phone supports many languages.

To change the language:

1. Press Menu.
2. Select Settings > Basic > Preferences > Language.
3. Scroll to highlight the language you want.

You can choose from Chinese, Danish, Dutch, English (Canada), English (United Kingdom), English (United States), French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Slovenian, Spanish, and Swedish.

4. Press the Select soft key to change to the highlighted language.

   Text that appears on the graphic display will change to the language of your choice.

5. Press Menu to return to the idle screen.
Changing the Graphic Display Background

You can change the picture or design that appears on the graphic display. A default background displays when the phone starts up (shown below). For more information on selections, contact your system administrator.

To change the graphic display background:

1. Press \( \text{Menu} \).
2. Select Settings > Basic > Preferences > Background.

Note

Under certain circumstances, you may need to make an additional menu selection, Select Background, to actually select the background.

If your system administrator has configured the phone’s idle browser and you want to view the background and not the idle browser, you can turn off the idle browser by doing the following:

- Select Background > Prioritize Background.
- Select Enable and press the Select soft key.

3. Scroll to highlight the background you want.

Note

When previewing the backgrounds, only the phone’s display is updated. The Expansion Module’s display is updated only when the new background is selected.
4. Press the **Select** soft key to change to the highlighted background.

5. Press **Menu** to return to the idle screen.

**Changing the Soft Key Label Color**

You can change the soft key label color that appears on the graphic display. A default soft key label color displays when the phone starts up (shown below). For more information on selections, contact your system administrator.

![Image](image1.png)

To change the soft key label color:

1. Press **Menu**.
2. Select **Settings > Basic > Preferences > Label Color**.
   ![Image](image2.png)

Using the dial pad keys 1, 4, 7, and * change the red hues. Using the dial pad keys 2, 5, 8, and 0 change the green hues. Using the dial pad keys 3, 6, 9, and # change the blue hues. The **Label** preview soft key on the right reflects your changes.

**Note**

When the color of the label reaches a certain level of whiteness, “Cannot save this color. Text might be unreadable.” appears and you are unable to save your changes. This warning appears only the first time the color reaches that level.

3. Press the **Save** soft key to accept your changes.
4. Press \textbf{Menu} to return to the idle screen.

\textbf{Muting the Microphone}

During a call, press \textbf{Mute}. The Message Waiting Indicator turns red and a microphone on the screen indicates that the other party (or parties) cannot hear you.

Microphone Mute applies to all calling modes. You can still hear all other parties while mute is enabled.

To turn off Microphone Mute, press \textbf{Mute} again.

\textbf{Adjusting the Volume}

Press \textbf{Volume Up} to adjust receiver volume during a call. Pressing these keys in the idle state adjusts the ringer volume.

\textbf{Note}

To conform to regulatory requirements, handset and headset volume will return to a preset level after each call, unless your system administrator changes this. Hands-free Speakerphone volume settings will be maintained across calls.

\textbf{Managing Call Lists}

Your phone maintains local lists of missed, received, and placed calls. Each list can contain up to 100 entries.

Press \textbf{Directories} followed by \textbf{Call Lists > Missed Calls, Received Calls, or Placed Calls} (shown below).

Manage the call list by doing the following:

- To edit the phone number, press the \textbf{Edit} soft key.
Customizing Your Phone

- To return the call, press the Dial soft key.
- To view information about the call, press press the More soft key followed by the Info soft key.
- To store the contact in the Contact Directory, press the More soft key followed by the Save soft key.
- To delete the call from list, press the More soft key followed by the Clear soft key.

Press to return to the idle screen.

Note: Press the Right arrow key from the idle screen to access the Placed Calls list. Press the Left arrow key from the idle screen to access the Received Calls list. Press the Down arrow from the idle screen to access the Missed Calls list. You can use these shortcuts while placing calls or performing transferring and conferencing functions.

Note: You can manually clear call lists by pressing the Directories key and then selecting Call Lists > Clear. They are also automatically cleared when you restart the phone.

Managing Contacts

You can store a large number of contacts in your phone's local contact directory, accessible by pressing Directories and selecting Contact Directory.

You can dial or search for a contact in this directory. You may be able to add, edit, and delete contacts.

You may have access to portions of your corporate directory through your phone. The contacts that you can see are determined by your system administrator. You can place calls to contacts in your corporate directory. You may be able to add contacts from the corporate directory to your local contact directory.
Adding Contacts

You can add contacts to your contact directory manually, from a call list, or from your corporate directory (if enabled).

Adding Contacts Manually

To add a contact to the local contact directory manually:

1. Press \underline{Directories}.
2. Select Contact Directory.
3. Press the More soft key.
4. Press the Add soft key.
5. Enter first and/or last name of the contact from the keypad.
   Use the 1/A/a soft key to select between numeric and upper/lower case alphanumeric modes.
   Use the Encoding soft key to access special characters in other languages.
6. Enter a contact number.
   This is a required field and it must be unique (not already in the directory).
7. (Optional.) Change the Speed Dial Index.
   It is automatically assigned to the next available index value. You may instead enter any unused speed dial number from 1 to 9999.
   For more information, refer to Assigning Speed Dial Keys on page 3-22.
8. (Optional.) Change the Ring Type and Divert Contact.

These fields may be left blank.

For more information on setting the Ring Type field, refer to Distinguishing Calls on page 2-21.

For more information on diverting contacts, refer to Diverting Calls on page 2-23.

9. (Optional.) Change the Auto Reject, Auto Divert, Watch Buddy, and Block Buddy.

Toggle to switch between Enabled and Disabled.

For more information on setting the Auto Reject field, refer to Rejecting Calls on page 2-22. For more information on setting the Watch Buddy and Block Buddy fields, refer to Managing Buddies on page 4-4.

10. Press the Save soft key to accept your changes.

11. Press  to return to the idle screen.

Adding Contacts From Call Lists

To add a contact to the local contact directory from a call list:

1. Do one of the following:

   a. Press , and then select Call Lists > Missed Calls, Received Calls, or Placed Calls as desired.

   b. Use a , , or  shortcut from the idle menu.

2. Scroll to highlight the contact.

   You can also use the * key to Page Up and the # key to Page Down.
3. Press the More soft key, and then the Save soft key to save the contact in the phone’s directory.

4. Press to return to the idle screen.

Adding Contacts From the Corporate Directory

To add a contact to your local contact directory from the corporate directory:

1. Press .
2. Select Corporate Directory.
3. Search for the contact.
   Refer to Searching the Corporate Directory on page 2-19.
4. Press the View soft key.
   The contact’s information appears on the graphic display.
5. Press the Save soft key to save the contact in the local contact directory.
   “Entry saved” appears on the graphic display. Only the first name, last name, and phone number are saved.
6. Press to return to the idle screen.
Editing Contacts

To edit a contact in the local contact directory:

1. Press 
2. Select Contact Directory.
3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.
4. Press the Edit soft key
5. Edit the contact information.
6. Press the Save soft key to accept your changes.
7. Press 

   Note: You can quickly edit a contact associated with a speed dial key by pressing and holding the contact’s speed dial key, and then performing steps 5 to 7.

Deleting Contacts

To delete a contact from the local contact directory:

1. Press 
2. Select Contact Directory.
3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.
4. Press the More soft key followed by the Delete soft key.
   The contact is deleted from the directory.
5. Press DIRECTORY to return to the idle screen.

**Placing Calls to Contacts**

**Placing Calls From the Contact Directory**

To place a call to a contact in the local contact directory:

1. Press DIRECTORY.
2. Select Contact Directory.
3. Scroll to highlight the contact.
   - You can also use the * key to page up and the # key to page down.
4. Press the Dial soft key.

**Placing Calls From the Corporate Directory**

To place a call to a contact in the corporate directory:

1. Press DIRECTORY.
2. Select Corporate Directory.
3. Search for the contact.
   - Refer to Searching the Corporate Directory on page 2-19.
4. Press the View soft key.
   - The contact’s information appears on the graphic display.

5. Press the Dial soft key.
Searching for Contacts

You can search for contacts in the local contact directory and the corporate directory.

Searching the Contact Directory

To search for a contact in the local contact directory:

1. Press \( \text{Directories} \).
2. Select Contact Directory.
3. Press the More soft key, and then the Search soft key.
4. Using the dial pad, enter the first few characters of the contact’s first or last name.

5. Press the Search soft key again.
   You can dial any successful matches from the resulting information on the graphic display.

Searching the Corporate Directory

To search for a contact in the corporate directory (if enabled):

1. Press \( \text{Directories} \).
2. Select Corporate Directory.

Note

Your phone can remember and display the person or search you were last viewing every time you open the corporate directory. To enable this feature, press the Menu key, and then select Settings > Basic > Preferences > Corporate Directory > View Persistency. Select Enabled, press the Select soft key, and then press the Menu key to exit the menu.
3. Search for the contact in one of the following ways:
   - In the search line, enter the first few characters of the contact’s last name using the dial pad. For example, to search for Carol Woller, enter wo in the search line.

Press the **Submit** soft key. In this example, Carol Woller appears in the search results.

If no entries in the corporate directory match the search parameters, “No entries found.” appears.
--- Press the **AdvFind** soft key, enter search values in the displayed fields. For example, enter **Byron Smith** as the first name and last name.

![Advanced Find (A/Ascii)](image)

Press the **Submit** soft key. In this example, Byron Smith appears in the search results.

![Search (Filtered):](image)

You can dial any successful matches from the resulting information on the graphic display.

---

**Managing Incoming Calls**

You can distinguish incoming calls by setting distinctive rings for contacts in your contact directory, sending particular calls directly to your voice mail, or transferring particular calls to another party.

**Distinguishing Calls**

You can customize your phone so that you can distinguish different parties by ring type.

---

**Note**

This feature is local to the phone, and may be overridden by your organization's settings. For more information, contact your system administrator.
To set a distinctive ring type for a contact:

1. Press \[\text{Directories}\].
2. Select Contact Directory.
3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.
4. Press the Edit soft key, and then scroll down to the Ring Type field.
5. Navigate Left or Right to select the desired Ring Type.
   For more information, refer to Selecting the Ring Type on page 2-7.
   To remove a distinctive ring, or have no distinctive ring, navigate Left to the blank entry.
6. Press the Save soft key to accept your changes.
7. Press \[\text{Directories}\] to return to the idle screen.

**Rejecting Calls**

You can customize your phone so that incoming calls from a particular party are immediately sent to your voice mail.

**Note**
Calls on shared lines can be silenced using the Silence soft key or the Do Not Disturb key. They cannot be rejected.

To send incoming calls from a contact directly to voice mail:

1. Press \[\text{Directories}\].
2. Select Contact Directory.
3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.
4. Press the **Edit** soft key, and then scroll down to the Auto Reject field.

5. Toggle to select Enabled.

6. Press the **Save** soft key to accept your changes.

7. Press **Directories** to return to the idle screen.

## Diverting Calls

You can customize your phone so incoming calls from a particular contact are transferred directly to a third party.

**To divert incoming calls from a particular contact:**

1. Press **Directories**.
2. Select **Contact Directory**.
3. Scroll to highlight the contact.
   
   You can also use the * key to page up and the # key to page down.
4. Press the **Edit** soft key, and then scroll down to the Divert Contact field.

5. Enter the number of the party to whom you want to divert the call.
6. Scroll down to the Auto Divert field.
7. Toggle to select Enabled.
8. Press the **Save** soft key to accept your changes.

9. Press the **Directories** soft key to return to the idle screen.

**System Customizations**

Support for multiple lines, multiple line keys per line, or shared lines can be configured by your system administrator. See your system administrator for details regarding these customizations.
Your Polycom® SoundPoint IP 670 desktop phone is designed to be used like a regular phone on a public switched telephone network (PSTN). You call place a call, transfer a call to someone else, or conduct a conference call.

At any time, at most one active call may be in progress on your phone. The active call is the one that has audio associated with it. There may be multiple other calls on hold in an “Incoming call” or “Ringing” state.

This chapter provides basic operating instructions for the SoundPoint IP 670 phone. The topics include:

- Placing Calls
- Answering Calls
- Ending Calls
- Redialing Numbers
- Placing Calls on Hold
- Hosting Conference Calls
- Transferring Calls
- Forwarding Calls
- Enabling Do Not Disturb
- Assigning Speed Dial Keys
- Using Voice Mail
- Locking and Unlocking the Phone
- Logging Into Phones
To customize your phone, refer to Customizing Your Phone on page 2-1. To read about the phone’s advanced features, refer to Using the Advanced Features of Your Phone on page 4-1. To add a SoundPoint IP Expansion Module to your SoundPoint IP 670 phone, refer to Using the SoundPoint IP Color Expansion Module on page 5-1.

If you require additional information or assistance with your new phone, contact your system administrator.

## Placing Calls

You can place a call using your SoundPoint IP 670 phone over the handset, speakerphone, or headset.

You can dial the number first, and then choose the method you will use to speak to the other party.

You can also search the call lists, the local contact directory or the corporate directory and dial from the search results page. For more information, refer to Managing Call Lists on page 2-12 and Managing Contacts on page 2-13.

You can place a call from your buddy list or privacy list if enabled. For more information on buddy and privacy lists, see Calling Your Buddies on page 3-59.

During a call, you can alternate between Speakerphone Hands-Free, Headset, or Handset modes by pressing the \( \text{Speakerphone} \) or \( \text{Headset} \) keys, or picking up the handset.

The name of the called party is displayed in the active window on the call screen. If it is too long to fit on the screen, you can press \( \text{Previous} \) and \( \text{Next} \) to scroll horizontally to view the full name.

The duration of calls is visible on the call screen. In the figure below, the call to Greg Slowski has lasted 30 seconds so far.
To place a call using the handset:

>> Do the following steps in any order:

- Pick up the handset.
- Dial the number using the dial pad.

Note
You can also dial using the SIP URL or IP address. To obtain the IP address of your phone, press the Menu key, and then select Status > Platform > Phone. The IP address is listed together with other phone information. The maximum URL or IP address length is 32 characters. For example, 10.3.0.42, sip:jane@polycom.com. Press the URL soft key and enter the URL or IP address. Use * for ",," and # for "@". Then press the Send soft key to complete the call.

Your phone may not support SIP URL or IP address dialing. Contact your system administrator.

To place a call using the Hands-Free Speakerphone:

Note
If “Handsfree mode disabled” appears on the graphic display after you press the speakerphone key, your system administrator has disabled the speakerphone on your phone.

>> Do one of the following:

- With the handset on-hook, press , or the New Call soft key to obtain a dial tone.
  
  Dial the number using the dial pad.

- With the handset on-hook, dial the number using the dial pad.
  
  Press , or the Dial soft key.
To place a call using the headset:

Do one of the following:

- With the optional headset connected, press \( \text{or the \ New \ Call} \) soft key to obtain dial tone.
  
  Press \( \text{.} \)
  
  Dial the desired number using the dial pad.

- With the optional headset connected, dial the desired number using the dial pad.
  
  Press \( \text{.} \)

**Note**

If you frequently use a headset, and would like to make it the default call path, refer to Enabling Headset Memory Mode on page 2-5.

**Answering Calls**

When you receive an incoming call, the phone rings (if enabled) and shows the identification of the caller on the display. If a caller’s name is too long to fit on the screen, such as Alexander Smith-Harrington’s below, it will automatically scroll horizontally across the display.

![Incoming call display](image)

When you are not in another call, you can answer a call using the handset, the speakerphone, or the headset(if enabled).

The steps for answering an incoming call when you are in another call are different if your phone is configured for:
• A single Line Key per line

![Image of a phone screen with a single line key per line]

• Multiple Line Keys per line

![Image of a phone screen with multiple line keys per line]

If your phone is configured with multiple call appearances, refer to Using Multiple Call Appearances on page 4-1 for instructions on how to answer a call.

**Note**

You can ignore incoming calls by pressing the **Reject** soft key (for private lines), the **Silence** soft key (for shared lines), or the **Do Not Disturb** key. Do Not Disturb mode stays active when the call ends and remains active until you press the **Do Not Disturb** key again.

You can forward incoming calls by pressing the **Forward** soft key. For more information, refer to Dynamic Forwarding on page 3-21.

When your phone is configured with a silent ring, press the ringing Line key or the **Answer** soft key to answer the call. By default, if your handset is off-hook, the call is routed to it. If your handset is on-hook, the call is routed to the speaker.

**Answering When Not in Another Call**

In all cases, the active call will appear on the graphic display showing call duration and destination.

**To answer a call using the handset:**

>>> Pick up the handset.
To answer a call using the Hands-Free Speakerphone:

Note
If “Handsfree mode disabled” appears on the graphic display after you press the speakerphone key, your system administrator has disabled the speakerphone on your phone.

Do one of the following:
- Press
- With the handset on-hook, press (next to the flashing green status indicator).
- Press the Answer soft key.

To answer a call using the headset:

Do one of the following:
- Press
If Headset Memory Mode is activated, press or the Answer soft key.

Answering When in Another Call
If you have an active call, and an incoming call arrives:

- Regardless of line configuration:
  - You may hear a call waiting tone.
    The line with the incoming call will display the incoming call icon.
  - Press or the Hold soft key to put the original call on hold.
    The incoming call will be displayed at the top of the call screen and the phone will ring.
    Press the Answer soft key or the flashing green line key to answer the call.

- If your phone is configured for a single Line Key per phone line:
  - The incoming call will be shown in the call list below the active call.
  - Scroll down to the incoming call, and press the Answer soft key or the line key to answer it.

- If your phone is configured for a multiple Line Key per phone line:
  - The line key below the active call will flash green to signal the incoming call.
    To see information about the caller, hold down the flashing line key for at least two seconds.
To answer the call, press the line key. If you hold the line key, you can bring up the caller’s information and press the Answer soft key to answer the call.

Ending Calls

To end a call:

Do one of the following:

- Press the End Call soft key.
- Replace the handset, if you are using it.
- If you are using a headset, press .
- If you are using the speakerphone, press .
- Press the of the active call (if enabled by your system administrator).

Redialing Numbers

To redial the last call placed from your phone:

Press . A call to your most recently dialed number is attempted.

To redial an older previously placed call, refer to Managing Call Lists on page 5-12.
Placing Calls on Hold

During a call, press \[Hold\] or the Hold soft key. The hold icon will display on the line key label.

Press \[Hold\] again or the Resume soft key to retrieve the call. The registered line icon appears as the line indicator.

Note

The Hold feature typically generates music or a beeping tone. Therefore, avoid putting a conference call on hold. Use the mute button instead.

Multiple Calls on Hold

If multiple calls are on hold on a single Line Key, use \(\uparrow\) and \(\downarrow\) to switch between the calls, and then press the Resume soft key to retrieve the desired call.

If more than two calls are on hold on a single Line Key, an indication appears on the graphic display, for example “2/3”, indicating that this is the second call out of three calls.

If calls are on hold on more than one Line Key, you can view the details of the calls on any Line Key by pressing and holding the Line Key for more than two seconds. If a Line Key is depressed for less than one second, the first call on hold on that Line Key will be retrieved.
Hosting Conference Calls

You can create a conference with other parties using the phone’s local conference feature. You can create a conference at any time between an active call and a call on hold (on the same or another line) by pressing the Join soft key. The conference management feature allows you to view all parties in a conference call. From the Manage Conference page, you can add, hold, remove, and mute specific conference parties.

Note

The conference management feature is an optional feature and may not be supported on your particular system. For more information, contact your system administrator.

This section provides the following step-by-step instructions:

• Setting Up Conference Calls
• Managing Conference Calls
• Adding Parties to Conference Calls
• Joining Conferences
• Splitting Conference Calls
• Ending Conference Calls

Setting Up Conference Calls

To set up a conference call:

1. Call the first party.

Note

You can either dial the phone number directly or search for the number in the Contact Directory or Call Lists. For more information, refer to Placing Calls on page 3-2, Searching for Contacts on page 2-19, or Managing Call Lists on page 2-12.
2. Press Conference or the Confrnc soft key to create a new call.
   The active call is placed on hold.

   ![Conference Call Screen]

   Note: If configured for single key-press conferences, all conference participants hear the dial tone and ringback when the conference host places a call to a new party.

3. Call the second party.

4. When the second party answers, press Conference or the Confrnc soft key again to join all parties in the conference.

   ![Conference Call Screen]

   Note: If configured for single key-press conferences, you do not need to press the Confrnc soft key again.

5. Press Conference or the Confrnc soft key to add another party to the conference.
   The first and second party are put on hold.
6. Call the third party.

7. After the third party answers, press or the press the More soft key followed by the Confrnc soft key to join all parties in the conference.

A conference similar to this one will now exist.

8. Repeat steps 5 to 7 until you have added all intended parties.

**Managing Conference Calls**

You are currently in a conference call. A screen like the one below is shown on your phone.
To manage a conference call:

1. Press the Manage soft key.

   The Manage Conference page appears.

   ![Manage Conference page]

   Press the More soft key to see the Remove, Info, and Exit soft keys.

2. Do one of the following:

   – To add a new party, press the Add soft key.

     Call another party as you would using conference soft key (outside the conference management feature). The other parties are put on hold.

     After the new party answers, press again to join all parties in the conference.

   **Note**

   The Add soft key appears only if you can add more parties to the conference call. Your system administrator determines the maximum number of conference participants. The default number is three. For more information, contact your system administrator.
To mute a party, select the party, then press the **Far Mute** soft key.

The muted party can hear all parties, but no party can hear the muted party.

If you press ✨ instead of the **Far Mute** soft key, all other parties can hear each other, but they cannot hear you.

Press the **UnMute** soft key to un-mute the party.
To place a party on hold, select the party, and then press the Hold soft key. The held party cannot hear any parties and no party can hear the held party.

Press the Resume soft key to return the party to the conference. If the held party presses on their phone, the party will remain on hold within the conference even if you press the Resume soft key.

To remove a party from the conference, press the Remove soft key. The party is removed from the conference. To return the party to the conference, press the Add soft key (refer to the first optional step above).

Adding Parties to Conference Calls

To add a party to a conference call using the Join soft key:

You are currently hosting a conference call between a number of parties.
To add a party to a conference call using the Join soft key:

1. From the Manage Conference page, press or the Hold soft key.
   The other parties in the conference call are placed on hold.

2. Press the New Call soft key.
3. Place a call to a new party.
4. After the new party answers, press the Join soft key.
   All parties in the conference call can now hear each other.

Note: If configured for local conference hold, the other parties in the conference call can continue to speak with each other while you place the new call.

Joining Conferences

To join two conferences:

Previously you set up two separate conference calls between a number of parties. Only one conference can be active at a time.
From the idle screen, press the **Join** soft key.

Both conferences are joined into a single five-way conference.

### Splitting Conference Calls

**To split a conference call:**

> From the Active Conference page, press the **More** soft key, and then the **Split** soft key to split the conference.

All calls are split into individual calls and put on hold.

### Ending Conference Calls

**To end a conference call:**

> From the Active Conference page, press the **End Call** soft key or hang up.

The other parties may or may not continue to be connected. The behavior after the conference host hangs up is configurable by your system administrator.

### Transferring Calls

A call can be transferred in one of three ways:

- **Consultative transfer** — The party to whom you want to transfer the call answers their phone before you transfer the call or hang up. You can consult with them before completing the transfer.
  
  — Refer to *Performing a Consultative Transfer* on page 3-17.

- **Blind transfer** — The call is automatically transferred after you dial the number of the party to whom you want to transfer the call.
  
  — Refer to *Performing a Blind Transfer* on page 3-18.

- **Attended transfer** — The parties are automatically connected to each other after you exit the conference.
  
  — Set up a conference call and then end your participation. For more information, refer to *Hosting Conference Calls* on page 3-9.

**Note**

Your system may be configured to end the conference when the host exits. Check with your system administrator.
Performing a Consultative Transfer

To transfer a call:

1. During a call, press the \textit{Transfer} or the \textit{Transfer} soft key. The active call is placed on hold.

2. Place a call to the desired recipient of the call. Refer to Placing Calls on page 2-2 for calling methods.

3. As soon as you hear the ring-back sound or after the party answers (and you speak to the party), press \textit{Transfer} or the \textit{Transfer} soft key.

You can talk privately to the party to which you are transferring the call before the transfer is completed.

If you are using a handset, the transfer can be completed by putting the handset on the cradle.

You can cancel the transfer before the call connects by pressing the \textit{Cancel} soft key.
Performing a Blind Transfer

To perform a blind transfer:

1. During a call, press the Transfer soft key or the Transfer soft key.
2. Press the Blind soft key.
3. Place a call to the desired recipient of the call. Refer to Placing Calls on page 2-2 for calling methods.
   At this point, the call is connected to the number to which you are transferring them.

Forwarding Calls

There are two ways to forward incoming calls to another party:

- **Static Forwarding:** Incoming calls are forwarded in special cases (before ringing, if there is no answer, or if the line is busy).
- **Dynamic Forwarding:** You can forward a call to someone else as it is ringing on your phone.

All incoming calls can be forwarded to another party while Do Not Disturb is enabled on your phone. For more information, contact your system administrator.

**Note**
Call Forwarding is not available on shared lines. This feature is local to the phone, and may be overridden by call server settings. For more information, contact your system administrator.
Static Forwarding

To forward all incoming calls to another party:

1. From the idle screen, press the Forward soft key.

2. If multiple lines are configured on your phone, select the line to forward from the list using ▲ and ▼.

3. Scroll to select the forwarding type you want to change, and then press the Select soft key. The options are:
   - Always — To forward all incoming calls
   - No Answer — To forward unanswered incoming calls
   - Busy — To forward calls that arrive when you are already in a call

4. Depending on your selection:
   a. If you selected Always, enter a number to forward all future incoming calls to.
b If you selected **No Answer**, enter a number to forward all unanswered incoming calls to and how many rings to wait before forwarding (one ring is approximately six seconds). A value of 2 is recommended.

![Call Forward No Answer](image)

If you selected **Busy**, enter a number to forward all future incoming calls to when you are already in another call.

![Call Forward Busy](image)

**Note** You can also enter the SIP URL or IP address. For more information on using a SIP URL or IP address, refer to **Placing Calls** on page 2-2

5. Select the **Enable** soft key to confirm call forwarding.

A moving arrow appears on the line label to confirm call forwarding is enabled.

**To disable call forwarding:**

1. From the idle screen, press the **Forward** soft key.
2. If multiple lines are configured on your phone, select the line to forward from the list using \( \uparrow \) and \( \downarrow \).
3. Scroll to highlight the forwarding type you want to disable and then press the **Select** soft key.
4. Press the **Disable** soft key.

The idle screen returns, the regular icon appears as the line indicator.
Dynamic Forwarding

To forward an incoming call to another party:
1. When the phone rings, press the Forward soft key.
2. Enter a number to forward the incoming call to.
3. Press the Enable soft key.

The incoming call is forwarded to the other party. If call forwarding is disabled, all future calls will not be forwarded and forwarding will remain disabled.

Enabling Do Not Disturb

To prevent the phone ringing (from incoming calls), you can select Do Not Disturb.

To enable Do Not Disturb:

Press Do Not Disturb.

A flashing icon and text on the graphic display indicate that Do Not Disturb is enabled.

Calls received while Do Not Disturb is enabled are logged in the Missed Calls list unless configured to be forwarded to another party by your system administrator.
To disable Do Not Disturb:

>>&gt; Press `Do Not Disturb` again.

**Multiple Lines and Do Not Disturb**

If multiple lines are configured on your phone, Do Not Disturb can be set on a line-by-line basis from the menu using `▲` and `▼` if enabled by your system administrator. When Do Not Disturb is enabled for a particular line, a flashing “X” displays beside the line indicator.

**Assigning Speed Dial Keys**

You can associate contacts with Line Keys for single touch dialing of frequently used numbers. Speed Dial entries are consecutively placed next to assigned Line Keys on the phone. When a new entry is added to the Contact Directory, it is automatically assigned the next available speed dial index and the next available line key.

In the figure below, the phone has one line key, and speed dial keys for Byron, Lauren, and Andrew. To dial Byron, Lauren, or Andrew, press the associated line key.

![Speed Dial Keys Example]

*Note*

To quickly access a list of speed dial index numbers, press the `Up Arrow` key from the idle screen. To speed dial a contact, press the `Up Arrow` key followed by the contact's speed dial index. For example, if Joan's speed dial index is 55, pressing the `Up Arrow` key followed by 55 will place a call to Joan.

**Assigning New Speed Dial Keys**

To add or edit a speed dial index for an existing contact:

1. Press `Directories`.
2. Select Contact Directory.

3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.

4. Press the Edit soft key.

5. Do one of the following:
   - Enter the next available speed dial index.
   - Delete the existing speed dial index by using 🗑️, and then enter a new speed dial index.

   A valid speed dial index is any unused number from 1 to 9999.

6. Press the Save soft key to accept your changes.

7. Press 🔄 to return to the idle screen.

To assign a new speed dial key:

1. Press and hold an unassigned 🔄. A new empty entry in the contact directory is automatically opened allowing contact information to be added.

2. (Optional.) Enter contact information.
   Use the 1/A/a soft key to select between numeric and upper/lower case alphanumeric modes.
   Use the Encoding soft key to access special characters in other languages.

3. Enter a contact number.
   The number must be unique (not already in the directory).

4. Change the Speed Dial Index field.
   The index can be any value between the next available index value and the maximum (value of 9999).
5. Press the Save soft key to accept your changes.

6. Press Circles to return to the idle screen.

### Using Voice Mail

You can access voice mail messages from your phone (if enabled). Your voice mail is saved in a centralized location.

Your phone indicates the presence of new voice mail messages by a flashing Message Waiting Indicator LED on the front of the phone and a visual notification on the screen. If your phone has multiple lines, an individual line indicator icon indicates voice mail messages on that line.

A stutter dial tone in place of normal dial tone indicates that one or more voice messages are waiting at the message center.

**To listen to voice messages:**

1. Press Circles.
   
   If multiple lines are configured on your phone, select the line to retrieve messages from.

2. Follow voice or visual prompts on the screen to retrieve your messages.
Locking and Unlocking the Phone

Lock your phone to:

- Prevent unauthorized outgoing calls.
- Allow only authorized people to answer calls.
- Prevent people from viewing or modifying phone displays or information (for example, menus, directory lists, call records, and speed dial keys).

When your phone is locked:

- You can only make an outgoing call to a number from a list of configurable authorized numbers.
- You have to enter a password to answer incoming calls.
- All keys and soft keys are disabled, except those that allow you to unlock the phone, make and authorized call, or redial a number.

You unlock the phone by entering your user password. If your phone restarts for any reason while it is locked, it will be locked when the phone starts up again (unless your phone is configured to start up unlocked).

When your phone is locked, the messages “This phone is locked” and “Authorized calls only” scroll on the status bar. Messages that were displayed before the phone was locked do not display.

About Your User Password

You are assigned a user password so you can answer calls from your locked phone and unlock the phone.

Changing Your User Password

By default, your user password is 123. Change your user password so it is unique to your phone.

To change your user password:

1. Press Menu > Settings > Advanced.
2. From the Password screen, enter your current user password and press the Enter soft key.
3. From the Advanced screen, select Change User Password.
4. From the Change User Password screen, enter your password information and press the Enter key.

### Locking and Unlocking Your Phone

You can choose how you want your phone to handle incoming calls when it is locked. You can configure your phone to either allow incoming calls, or activate Do Not Disturb when it locks.

#### To Lock your Phone:
1. Press Menu > Settings > Basic > Lock Phone.
2. From the Lock Phone screen, select how you want incoming calls handled when your phone is locked.
   - **Allow ringing when locked (default)** - Your phone will ring if you have an incoming call. You can answer the call after entering your user password.
   - **DND when locked** - You will not receive indication of any incoming calls. Calls will go directly to voice mail (if enabled) and display in your Missed Calls list when you unlock the phone.

    **Note**
    Enabling **DND when locked** on shared lines disables ringing only. You will still see a visual notification of the call and have the option to answer it.

3. Press the Lock soft key.

Your phone is locked.

#### To unlock your phone:
1. From the idle screen, press the Unlock soft key.
2. From the Unlock the Phone screen, enter your user password, and then press the Enter soft key.

For information on your user password, including what to do if you forget it, see About Your User Password on page 3-25.

The phone unlocks.

Calling and Answering from a Locked Phone

From a locked phone, anyone can dial the standard emergency number (for example, 911), and up to five authorized numbers that an administrator can set up. You cannot call any other numbers from a locked phone.

If you set up your phone so you can answer incoming calls when it is locked, you can answer calls by first entering your user password.

To call an authorized number from a locked phone:

Do one of the following:

— Press the New Call soft key. From the Place an Authorized Call screen, select the number you want to call, and then press the Dial soft key.

The following screen shows an example of the Place an Authorized Call screen. Note that the three speed dial keys no the left are greyed out because they are all unauthorized numbers.

or

— Place a call to an authorized number by using the handset, headset or speakerphone. For information on using the handset, headset or speakerphone to place a call, see Placing Calls on page 3-2.

The call is placed.

To answer a call on a locked phone:

1. While the phone rings, press the Answer key.

2. From the Answer the Call screen, enter your password, and then press the Enter soft key.
(If you press the **Cancel** soft key instead, the Answer the Call screen disappears and the incoming call window displays again).
(For information on your user password, including what to do if you forget it, see **About Your User Password** on page 3-25).

The call connects.

### Logging Into Phones

If your system administrator has set up the User Login feature, you can view your personal phone settings from any phone in the organization. This means you can access your contact directory and speed dials, as well as other phone settings, even as you temporarily change work areas.

If you change any settings while you’re logged in to a phone, the settings are saved and displayed the next time you log in to a phone. When you log out, your personal phone settings no longer display.

You can log in to a phone by entering your user ID and password. Default passwords are preset at the factory to the numerals 123.

**Note**

If a phone is in the logged out state and requires a user login, you may be able to use the phone to place emergency calls to standard emergency numbers (such as 911) and other pre-configured phone numbers. These numbers are configured by your administrator. For information on how to place authorized calls, see “Placing Calls from Phones that are in the Logged Out State” on page 40.

If the User Login feature is set up on your organization’s phones, you’ll need to know how to:

- Log in to a phone to access your personal phone settings.
- Log out of a phone after you finish using it.
- Place a call to an authorized number from a phone that is in the logged out state and requires a user login.
- Change your user password.

### Logging In and Out of a Phone

Depending if the User Login feature is enabled and required, you may or may not have to log in to the phone to use it. However, if you want to see your personal phone settings from the phone, you’ll have to log in. If you don’t log in, you’ll see the phone’s default phone profile.

While logged in, you’ll have full access to your personal phone settings and your contact directory. After you log out of the phone, you’ll no longer be able to view this information on the phone.
After you use a phone, be certain to log out of the phone to prevent access to your personal settings.

To log in to a phone:

1. If the User Login screen is in view, go to step 2. If the User Login screen isn’t in view, do one of the following:
   - Press the Log in soft key.
   - Press the Menu key, then select Features > User Login > Log in.

   The User Login screen displays, as shown next.

   ![User Login screen](image)

2. Enter your user ID and user password, then press the Log in soft key.

   If your login credentials are accepted, the phone updates to display your personal phone profile, and the home screen displays, as shown next.

   ![Home screen](image)

   If you don’t know what your user ID and password are, ask your system administrator. Default passwords are preset at the factory to the numerals 123. However, your system administrator may have changed this for security reasons.

   If your credentials are not accepted, the message ‘User login failed’ is displayed, and the User Login screen displays again. If you need to confirm your credentials, ask your system administrator.

To log out of a phone:

1. From the home screen, do one of the following:
Press the **Log out** soft key.

Press the **Menu** key, then select **Features > User Login > Log out**.

The Logout screen displays with a confirmation message, as shown next.

2 Press the **Yes** soft key.

Your personal profile is no longer accessible, and the phone displays either the User Login screen for the next user login, or the default phone profile for anonymous users.

### Placing Calls from Phones that are in the Logged Out State

If a phone doesn’t require a user login, you can use the phone to place calls to any number, even though the phone may be in the logged out state.

If a phone requires a user login, you may be able to place calls to authorized numbers when the phone is in the logged out state. If your system administrator has set up emergency numbers on the phone, you can place calls to the standard emergency number (for example, 911) and up to five other authorized numbers. You won’t be able to call any other numbers until you log in to the phone.

**To place a call to an authorized number from a phone in the logged out state:**

1 Press the **New Call** soft key.

The Place an Authorized Call screen displays, as shown next.
2 Select the number you want to call, then press the Select soft key or the Dial key.

The call is placed.

Changing Your User Password

You can change your password from any phone that you’re logged in to.

Note

By default, user passwords are factory preset to the numerals 123. Your administrator can change this default password if needed. Polycom recommends that you change your password when you first log in to a phone. Your user ID is managed only by your administrator, meaning you cannot change it yourself.

To change your user password:

1 Log in to any phone on your network.

2 From the home screen, press the Menu key, then select Features > User Login > Change User Login Password.

The Change User Login Password screen displays, as shown next.

3 Enter your old password and your new password twice, and then press the Enter soft key.

The ‘User password changed’ message displays. Your password is changed.

The next time you log in to a phone, you’ll need to enter this password.
Using the Advanced Features of Your Phone

This chapter provides operating instructions for the advanced features of the Polycom® SoundPoint IP 670 phone. The topics include:

- Using Multiple Call Appearances
- Using Buddy Lists
- Recording a Call
- Playing Back a Recorded Call
- Broadcasting Messages Using Push-to-Talk and Group Paging
- Accessing Features with Your Login Credentials
- Updating Your Phone’s Configuration
- Restarting Your Phone

To customize your phone, refer to Customizing Your Phone on page 2-1. To read about the phone’s basic features, refer to Using the Basic Features of Your Phone on page 3-1.

If you require additional information or assistance with your new phone, contact your system administrator.

Using Multiple Call Appearances

When multiple call appearances is set up, you can see information for more than one call at one time. For example, if you have an active call, you can see information for an incoming call as well.
For example, the following figure shows an active call with Lauren Gates on line 3161.

![Active Call with Lauren Gates]

The following figure shows an incoming call from Jack Jones on the same line.

![Incoming Call from Jack Jones]

**To answer an incoming call when configured for multiple call appearances:**

>> Do one of the following:

- Press **Hold** or the **Hold** soft key to place the original call on hold.

- Press **** to access the new call.

Answer the incoming call.

This original call is placed on hold and the incoming call becomes the active call.

![Active Call with Jack Jones]
Your phone can display two call appearances at one time. If more than two calls are taking place on the same line, a counter displays on the display. Use the down arrow to access additional calls, or call appearances.

To place an additional call on the same line, place the active call on hold, and then press the **New Call** soft key.

### Using Buddy Lists

A buddy list is a list of users/devices whose status, or presence, you can monitor. Users update their presence setting (for example, “Be right back”, “Busy”, or “Out to lunch”), and you can view their status in real-time from your phone.

Your phone can “watch” the status of up to eight other phones or 48 buddies. These other phones form your “buddy list”. Your phone displays the status of your buddies in real time. Your phone can be “watched” by up to eight other phones.

### Updating Your Presence Settings

**To view and change your presence settings:**

1. Do one of the following:
   - Press `Menu`. Select **Features > Presence > My Status**.
   - Press the **MyStat** soft key.

2. Scroll through the list, and then press the **Select** soft key to select your new status.

   The phones watching your status will now display your new status.

   Presence information will also be sent to watching phones when you go off-hook or enable Do Not Disturb.
Managing Buddies

Manage your buddies by selecting the contacts whose presence you want to monitor. These contacts form your buddy status list. You add contacts to your buddy status list from your contact directory.

To add or delete a contact from your buddy list:

1. Press 
2. Select Contact Directory.
3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.
4. Press the Edit soft key.
5. Scroll to the Watch Buddy field.
6. Toggle to select Enabled.
   If Watch Buddy is enabled, the contact is added to your buddy list.
   If disabled (default), the contact is removed from your buddy list.
7. Press the Save soft key to accept your changes.
8. Press to return to the idle screen.

To block or unblock a contact from your buddy list:

1. Press 
2. Select Contact Directory.
3. Scroll to highlight the contact.
   You can also use the * key to page up and the # key to page down.
4. Press the Edit soft key.
5. Scroll down to the Block Buddy field.
6. Toggle to select Enabled.
   If Block Buddy is enabled, the contact cannot watch your phone.
   If disabled (default), the contact can watch your phone.
7. Press the Save soft key to accept your changes.
8. Press to return to the idle screen.
Recording a Call

Note

Call Recording is an optional feature and may not be supported on your particular system. For more information, contact your system administrator.

If the Call Recording and Playback feature is available and you plug a removable USB flash drive into the USB port on your SoundPoint IP 670 (shown below), you can record active calls on your phone.

Recordings are stored as .wav files on the USB flash drive. You can record up to 4 hours in one file. The approximate time remaining for recording (the free space on the USB flash drive) is shown on the graphic display.

The Record soft key controls recording and is available:

- When there are one or more calls connected to your phone (you may need to press the More soft key to see it)
- During an active call
- When calls are on hold
- During a consultative transfer or conference call

The Record soft key is not available:

- When there are no connected calls on your phone
- When you place a new call (to transfer or to conference)
• When the phone prompts you to answer an incoming call

If you put an active call on hold, recording pauses. Recording continues if the called party puts you on hold. Recording stops if all active calls end, no matter who ends the calls.

If you press \( \text{Microphone} \) while recording, only the called parties are recorded.

Tones and indications (for example, dialing of digits or ringing from another party’s phone) that occur before a call connects are not recorded. Local tones and indications (for example, DTMF tones when dialing) are not recorded. However, tones from another party’s phone may be recorded.

You can start, pause, resume, and stop recording through the use of soft keys. All active calls that occur on your phone between the time you press the **Start** soft key and the **Stop** soft key are recorded, alternating in the same .wav file.

For example, you place a call to party A and, after they answer, you start recording on October 4, 2007 at 11:22am. While speaking with party A, you get an incoming call. You put party A on hold and speak with party B. When you finish speaking with party B, you return to speaking with party A. While speaking with party A again, you get another incoming call. You put party A on hold and speak with party C. When you finish speaking with party C, you return to speaking with party A. You end your call with party A and recording stops. Your conversations with parties A, B, and C are all recorded in the same .wav file as follows:

![Diagram of recorded conversations](image)

To properly remove the USB flash drive, end recording first, and then remove the device from the USB port. If you remove the USB device while recording, the file will be incomplete and will not playback later. There is also a small probability that the USB flash drive may be damaged.

When you remove a USB flash drive, wait until the “Storage media removed” message dissapears before plugging in another one.
For a list of supported USB devices, refer to Technical Bulletin 38084 Supported USB Devices for SoundPoint IP 650 and 670 and Polycom VVX 1500 phones available from http://www.polycom.com/support/voice/soundpoint_ip/VoIP_Technical_Bulletins_pub.html

**Note**

You may be required by federal, state, and/or local laws to notify some or all called parties when you are recording (either one-party or all-party consent). Specific information about US state requirements can be found at http://www.rcfp.org/taping/. Telephone call recording regulations in other countries vary widely. Polycom recommends checking with the local government's telecommunications authority and government legal agencies.

Other information that may useful can be found at:
- [http://www.privacyrights.org/fs/fs9-wrtp.htm](http://www.privacyrights.org/fs/fs9-wrtp.htm)

This section includes information on:
- Recording Calls
- Recording Conferences
- Pausing and Resuming Recording

To playback recorded calls, refer to Playing Back a Recorded Call on page 3-15.

**Recording Calls**

**To record a call:**

1. During a call, press the More soft key.

![Recording call interface](image)
2. Press the **Record** soft key.

3. To start recording, press the **Start** soft key.

   "**R**" appears on the graphic display while the phone records.

   If you press the **Back** soft key, you can access the top-level soft keys (for example, Hold, EndCall, Trnsfer, and Confrmc). You must navigate back (using the **More** and **Record** soft keys) to again access the **Stop** and **Pause** soft keys.

4. Stop recording in one of the following ways:
   - Press the **Stop** soft key.
   - Hang-up or end the active call.

---

**Recording Conferences**

You can record conference calls in the same way as other calls with the following exceptions:

- All parties in a conference call are recorded. If one of the conference parties presses ⌱, they are not recorded.

- When all parties in a conference call are put on hold together, recording is paused. You can place or answer other calls, which will be recorded in the same file. When the conference call is resumed, recording of the conference resumes.
Pausing and Resuming Recording

You can pause recording by pressing the **Pause** soft key. When you press the **Resume** soft key, recording continues with the same .wav file.

**To pause a recording:**

>> Press the **Pause** soft key.

“*P*” appears when you pause recording.

**To resume a recording:**

>> Press the **Resume** soft key.

“*R*” appears when you restart recording.
Playing Back a Recorded Call

Note

Call Playback is an optional feature and may not be supported on your particular system. For more information, contact your system administrator.

If the Call Recording and Playback feature is available, and a removable USB flash drive is plugged into the USB port of your SoundPoint IP 670, you can play back calls that you recorded on your phone.

You can browse the recorded files, stored as .wav files on the USB flash drive. You can also open, rename, and delete the recorded files.

You can play, pause, resume, and stop recording through the use of soft keys. Playback occurs in real time. Pressing adjusts the volume of the receiver audio during playback.

Playback stops if you press the Exit soft key, or .

If the handset is off-hook when you press the Play soft key, you will hear audio through the handset. If the handset is on-hook when you press the Play soft key, you will hear audio through the speaker. If the handset is on-hook, pressing is the same as pressing the Play soft key, and pressing again is the same as pressing the Exit soft key. If you lift the handset while you are listening through the speaker, you will now hear the audio through the handset.

You cannot start playback while a call is in progress or if you have placed a call. The message “Active call. Action aborted.” appears in either case. If all calls are on hold, you can start playback. If you press the Hold on the selected call or the particular line key for the held call, playback stops and the call resumes.

You cannot place a call while playback is in progress using the dial pad. However, you can place a call using a speed dial key or line key. You can answer calls while playback is in progress (refer to Answering a Call While Playing Back Recorded Calls on page 4-13).

You can also playback recorded files on other devices, such as a computer using an application capable of playing .wav files.

If an error occurs while playback is in progress, playback stops. If you remove the USB flash drive during recording, recording stops and the message “USB device removed unsafely. Playback cancelled.” appears.
Polycom recommends that you do not remove the USB flash drive while playing back files. There is a small probability that the USB flash drive itself may be damaged by this action.

This section includes information on:

- Browsing Recorded Calls
- Playing Back Recorded Calls
- Answering a Call While Playing Back Recorded Calls

**Browsing Recorded Calls**

**To browse the recorded files:**

1. Press \( \text{Menu} \).
2. Select Features > Removable Storage Media > Browse Recordings...

![Browse Recordings]

You can rename, delete, or open the selected .wav file by pressing the Rename, Delete, or Open soft keys.

3. Press \( \text{Menu} \) to return to the idle display.
Playing Back Recorded Calls

To playback a call:

1. Follow the steps above to open the desired recording.

The filename you selected appears on the graphic display. The length of the file (in hours, minutes, and seconds) and the size of the file also appear.

2. Press the Play soft key.

“Playing” appears on the graphic display. The position indicator (in hours, minutes, and seconds) above the progress bar changes as the file plays back in real time.

(Optional.) Press the Pause soft key to pause the file playback.

(Optional.) Press the Resume soft key to resume playback of the file.
3. Press the Exit soft key to stop playing back the file.
   To play the file from the beginning, press Exit and repeat the steps.

4. Press \[ Menu \] to return to the idle display.

Answering a Call While Playing Back Recorded Calls

If you are playing back a file and an incoming call arrives, playback pauses and the phone rings.

**To answer a call using the speakerphone:**

\[ >> \]
- Press \[ \] .
- If you were listening to the file through the phone’s speaker, press the line key for the incoming call.
- If you were listening to the file through the phone’s speaker, press \[ Menu \], and then press the Answer soft key.

When the call ends, the idle display appears.

**To answer a call using the handset:**

\[ >> \]
- Lift the handset.
  - If you were listening to the file through the handset, hang up the handset, and then pick it up again.
  - If you were listening to the file through the handset, press the line key for the incoming call.
  - If you were listening to the file through the handset, press \[ Menu \], and then press the Answer soft key.

When the call ends, the idle display appears.

**To answer a call using the headset:**

\[ >> \]
- Press \[ \] .
- If you were listening to the file through the headset, press the line key for the incoming call.
If you were listening to the file through the headset, press \textit{\textbf{Menu}}, and then press the \textbf{Answer} soft key.

\textbf{Note} 
If you are using a digital headset with an answer button or an analog headset with an electronic switch, use those to answer the incoming call.

When the call ends, the idle display appears.

If you decide to reject the incoming call, press the \textbf{Resume} soft key, and playback will resume. For more information, refer to \textit{Playing Back Recorded Calls} on page 4-12.

\textbf{Broadcasting Messages Using Push-to-Talk and Group Paging}

The Group Paging and Push-to-Talk (PTT) features enable you to broadcast a message to as many people as have subscribed to a channel or have been placed in a group. Your system administrator can set up both features on your phone.

Group Paging mode enables you to broadcast a one-way announcement to people subscribed to a paging group. The people receiving the announcement can’t respond to the message.

PTT mode enables you to broadcast a message to people subscribed to a channel. The people receiving the message can respond to the message by broadcasting a message over the same channel. In this way, PTT is a collaborative broadcast mode.

Your system administrator can define up to 25 Paging Groups (for Group Paging mode) or Channels (for PTT mode). Your system administrator may assign a label to each group or channel that easily identifies the phones in the group or channel (for example, All, HR Dept, Shipping Staff, or Executives). Each group or channel will have one of the following priorities:

- \textbf{Normal} (for Groups/Channels 1-23) — Broadcasts sent to Groups/Channels 1 to 23 are considered Normal broadcasts. When a phone receives more than one Normal broadcast, the first broadcast received is accepted, and all others are ignored (not played and not stored). By default, all phones receive broadcasts sent to Group/Channel 1.

- \textbf{Priority} (for Group/Channel 24) — Broadcasts sent to Group/Channel 24 are considered Priority broadcasts. All phones receive Priority broadcasts unless Do Not Disturb is enabled. If a phone receives a Priority broadcast while an Emergency broadcast is already playing, the Priority broadcast is
placed on hold. Phones play Priority broadcasts at the phone’s current audio level.

- **Emergency** (for Group/Channel 25)—Broadcasts sent to Group/Channel 25 are considered Emergency broadcasts. All phones receive Emergency broadcasts (even if Do Not Disturb is enabled), and play them immediately. By default, phones play Emergency broadcasts at the highest audio level. The audio level will return to normal for subsequent non-Emergency broadcasts.

## Push-to-Talk Mode

Your phone may be enabled to operate in a broadcast mode called Push-to-Talk (PTT). In PTT mode, you broadcast messages on a specific channel. In order to send and receive PTT broadcasts on certain channels, you have to subscribe to those channels.

PTT broadcasts are collaborative: you can transmit messages and listen to replies.

### Sending and Receiving PTT Broadcasts

To send and receive PTT broadcasts, you need to subscribe to certain channels. By default, you’re subscribed to Channels 1, 24 (the Priority channel), and 25 (the Emergency channel). This means that:

- You can send PTT broadcasts on Channels 1, 24, and 25.
- You’ll receive PTT broadcasts sent on Channels 1, 24, and 25.

When you end a PTT broadcast, the channel remains open and enters a waiting period. This waiting period gives people who received the broadcast a chance to respond. If no one responds within the waiting period, the channel closes.

### Sending PTT Broadcasts

If you send a PTT broadcast without specifying a channel, it’s automatically transmitted on the default channel. Channel 1 is the default channel that all broadcasts transmit on, if no channel is specified for a broadcast.

You can change your default channel to any channel you want (see [Updating the Default Channel](#) on page 4-19). If you change your default channel, you’ll become subscribed to that channel automatically. To subscribe to a channel, see [Updating Channel Subscriptions](#) on page 4-20).
To send a PTT broadcast:

1. Press the Talk soft key to select a channel to broadcast on.

   ![PTT Channels List](image)

   **Note**: To automatically send a PTT broadcast on the default channel, press and hold the Talk soft key, and then go to step 4.

2. From the PTT Channels List screen, select the channel to send the broadcast on (as shown next).

<table>
<thead>
<tr>
<th>PTT Channels List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Default: Channel 1</td>
</tr>
<tr>
<td>2. Recent: Channel 1</td>
</tr>
<tr>
<td>3. Emergency (25)</td>
</tr>
<tr>
<td>4. Priority (24)</td>
</tr>
</tbody>
</table>

The list displays the default channel, the most recent channel you sent a broadcast on, and other channels you can broadcast on.

In the above example, the default channel is 1, the recent channel is 1, the Emergency channel is 25, and the Priority channel is 24.
3. To start the broadcast, press and hold the Talk soft key. (You need to press the Talk soft key throughout the entire broadcast.) You’ll hear a ‘transmitting’ beep, and then the phone displays the channel you are using (‘To:Teachers (Channel 18)’, as shown next).

4. Start talking.

Note If you release the Talk soft key while you’re sending the broadcast, the broadcast temporarily stops and enters a 10 second ‘Waiting’ period. During this period, the channel remains open to give people a chance to reply. At any time during the waiting period, you can resume your broadcast by pressing and holding the Talk soft key. If no one broadcasts during the waiting period, the channel closes and the broadcast ends.

5. When you finish your broadcast, do one of the following:
   – Release the Talk soft key. The broadcast temporarily stops and enters a 10-second waiting period to allow others to reply, or you to resume the broadcast. If no one responds during a waiting period, the channel closes and the broadcast ends.
   – Press the End PTT soft key. The broadcast temporarily stops and enters a 10-second waiting period to allow others to reply. If there are no replies, the channel closes and the broadcast ends. After you tap the End PTT soft key, you can immediately initiate another broadcast on another channel, even if the previous broadcast is still in its waiting period.

Receiving PTT Broadcasts
To receive a broadcast sent on a particular channel, you need to be subscribed to that channel. To subscribe to a channel, see Updating Channel Subscriptions on page 4-20.

How you receive a PTT broadcast depends on the broadcast priority, whether you’re in an active call, or if you’re allowed to receive broadcasts during active calls.
You’ll receive broadcasts on the channels you’re subscribed to as well as Channel 24 (the Priority channel) and Channel 25 (the Emergency channel). If you’ve enabled **Do Not Disturb** on your phone, you’ll only receive Emergency broadcasts. Non-emergency broadcasts won’t display or play on your phone.

When a broadcast ends, your phone emits an ‘end of transmission’ beep and enters a 10 second waiting period. During this period, you can respond to the broadcast (see **Replying to PTT Broadcasts** on page 4-18).

**Receiving PTT Broadcasts When You’re Not in an Active Call**

If you receive a broadcast and you’re not in an active call, the broadcast displays in the center of your screen and immediately plays, regardless of the broadcast priority.

**Receiving PTT Broadcasts During Active Calls**

How you handle a broadcast when you’re in an active call depends on the broadcast priority and if you’re allowed to receive a broadcast when you’re in an active call.

If the broadcast isn’t a Priority or Emergency page:

- If your phone is allowed to receive broadcasts during active calls, the broadcast displays in the inactive call group as an active broadcast (as shown next) and immediately plays. You’ll hear both the original call and the broadcast. To listen to only the broadcast, hold or end the call.
- If your phone isn’t allowed to receive broadcasts during active calls, the broadcast displays as a **Pending** broadcast. To listen to the broadcast, hold or end the call, or select the broadcast, and press the **Accept** soft key.

If it’s a Priority or Emergency broadcast, the broadcast displays in the inactive call group as an active broadcast and immediately plays. You’ll hear both the original call and the broadcast. To listen to only the broadcast, hold or end the call.

**Replying to PTT Broadcasts**

When a broadcast ends, you have a chance to respond to it before the channel closes.

When a broadcast ends, the broadcast enters a 10 second waiting period (as shown next). During this period, the channel remains open to receive or send additional broadcasts.

During a waiting period, you can press and hold the **Talk** soft key and talk to all the people listening on the channel. When you finish talking, release the **Talk** soft key. The broadcast will enter another waiting period until someone broadcasts again. If no activity occurs within the waiting period, the channel closes and no more broadcasts can take place.
**Ending PTT Broadcasts**

You can end a PTT broadcast by releasing the Talk soft key, or by tapping the End PTT soft key. After you end a broadcast, the channel remains open so others can respond.

If you release the Talk soft key without pressing the End PTT soft key:

- You can resume the broadcast by pressing and holding the Talk soft key (if the broadcast is in a wait period).
- You can’t initiate another broadcast on another channel until the waiting period ends.

If you press the End PTT soft key:

- You can’t resume the broadcast by pressing and holding the Talk soft key.
- You can immediately initiate another broadcast on another channel.

**Adjusting the Volume of PTT Broadcasts**

You can adjust the volume of PTT broadcasts while they play. During a broadcast, press either Volume Up or Volume Down to raise or lower the volume of the broadcast.

If you adjust the volume of a non-emergency broadcast, your phone retains the adjusted volume for all subsequent non-emergency broadcasts. However, even though you can adjust the volume of an Emergency broadcast, the adjusted volume won’t be retained for subsequent Emergency broadcasts. All Emergency broadcasts play at the same volume, until you adjust it.

**Changing Where Broadcasts are Played**

While you send a broadcast, you can pick up the handset or press the Speakerphone or the Headset key and continue speaking. You can also press the Microphone Mute key to mute your audio so that the people receiving your broadcast won’t hear anything. This behavior is similar to a phone call.

When you listen to a broadcast, you can pick up the handset or press Speakerphone or the Headset key and continue listening to the broadcast.

**Updating the Default Channel**

If you don’t select a channel to broadcast on, your broadcast will automatically transmit on the default channel, Channel 1. If you want, you can change the default channel.

The default channel is automatically used when you initiate a broadcast by pressing and holding the Talk soft key.
To update the default channel:

1. Press `Menu`, then select Settings > Basic > Preferences > Paging/PTT Configuration > PTT Push to Talk.
2. Press the Edit soft key.
3. Enter the new default channel.
4. Press the Ok soft key.

Updating Channel Subscriptions

You can subscribe to any channel that has been enabled by the system administrator and appears in your channels list. When you subscribe to a channel, you can send and receive PTT broadcasts on that channel.

To subscribe to additional PTT channels:

1. Press `Menu`, then select Settings > Basic > Preferences > Paging/PTT Configuration > PTT Push to Talk.
2. From the PTT Channel Configuration screen, use the down arrow key to locate Channels Subscriptions, then press the Select soft key.
3. From the Channels Subscriptions screen, use the down arrow key to select a channel to subscribe to, then press the Edit soft key.
4. Use the left or right arrow keys to select Yes, then press the Ok soft key.

By default, you’re subscribed to Channels 1, 24, and 25.

Allowing PTT Broadcasts to Play During Active Calls

The Accept While Busy option allows PTT broadcasts to come in as active calls (if enabled) as Pending (if disabled). A Pending page displays as if it were held. If enabled, a PTT broadcast will interrupt telephone calls and you’ll hear the audio of both the telephone call and the PTT broadcast. The party on the other end of the telephone call cannot hear the PTT broadcast unless that party has also enabled Accept While Busy.

If disabled, the incoming PTT broadcasts won’t disrupt the phone call, and you won’t hear the broadcast. To hear the PTT broadcast, select the broadcast and press the Select soft key (the phone call will automatically be held). Or, hold or end the phone call.
To allow or disallow PTT broadcasts to play during an active call:

1. Press Menu, then select Settings > Basic > Preferences > Paging/PTT Configuration > PTT Push to Talk.
2. From the PTT Channel Configuration screen, use the down arrow key to locate Accept While Busy, then press the Select soft key.
3. From the Accept While Busy screen, use the left or right arrow key to select Enabled or Disabled, then press the Ok soft key.

The default setting is Disabled. When enabled, your phone will accept and play broadcasts while you’re in an active call. When disabled, your phone won’t play broadcasts while you’re in a call, but will hold them as Pending instead.

**Group Paging Mode**

Your phone may be enabled to operate in a broadcast mode called Group Paging mode. In this mode, you broadcast one-way announcements to a specified group of phones, called a Paging Group. In Group Paging mode, users must subscribe to Paging Groups to send and receive pages.

**Sending and Receiving Pages**

To send and receive pages, you need to subscribe to certain Paging Groups. By default, you’re subscribed to Paging Groups 1, 24, and 25. This means that:

- You can send pages to Paging Groups 1, 24, and 25.
- You’ll receive pages sent to Paging Groups 1, 24, and 25.

**Sending Pages**

By default, when you send a group page, it’s automatically sent to Paging Group 1. This is your default paging group.

You can change your default paging group to any group you want (see Updating the Default Paging Group on page 4-24). If you change your default paging group, you’ll become subscribed to that paging group automatically. To subscribe to a paging group, see Updating Paging Group Subscriptions on page 4-25.
To send a page:

1. To send a page, press the **Paging** soft key.

2. From the Paging Groups List screen, select the paging group to send the page to (as shown next).

   ![Paging Groups List](image)

   - **1. Default: Teachers (Group 6)**
   - **2. Recent: All (Group 1)**
   - **3. Priority (Group 24)**
   - **4. Emergency (Group 25)**

   The list displays the default paging group, the most recent group you paged, and other paging group that you can page.

   In the above example, the default paging group is **Group 6**, the recent paging group is **Group 1**, the Priority group is 24, and the Emergency group is 25.

3. To start the page, press the **Page** soft key.

   ![New Call Forward Paging](image)
Just before the page starts, you’ll hear an alert tone, and then the page starts (as shown next).

4. Start talking.
5. To end the page, press the End Page soft key.

Receiving Pages

To receive a page sent to a particular paging group, you need to be subscribed to that group. To subscribe to a paging group, see Updating Paging Group Subscriptions on page 4-25.

How you receive a page depends on the priority of the page, whether you’re in an active call, or if you’re allowed to receive a page during an active call.

You’ll receive pages on the paging groups you’re subscribed to as well as Group 24 (Priority pages) and Group 25 (Emergency pages). If you enabled Do Not Disturb, you’ll only receive Emergency pages. Non-emergency pages won’t display or play on your phone.

Receiving Pages When You’re Not in an Active Call

If you receive a page and you’re not in an active call, the page displays in the center of your screen and immediately plays, regardless of the paging priority.

While a page plays, you can:
• Hold the page.
• End the page. This ends the page at your phone only.
• Place a new call.

Receiving Pages During Active Calls

How you handle a page when you’re in an active call depends on the page priority and if you’re allowed to receive a page when you’re in an active call.

If the page isn’t a Priority or Emergency page:
• If your phone is allowed to receive pages during active calls, the page displays in the inactive call group as an active page and immediately plays. You’ll hear both the original call and the page. To hear only the page, hold or end the call.
• If your phone isn’t allowed to receive pages during active calls, the page displays as a Pending page. To listen to the page, select the page and press the Select soft key. Or, hold or end the call.

You can listen to the page by resuming it. This will place the active call on hold.

If it’s a Priority or Emergency page, the page displays in the inactive call group as an active page and immediately plays. You’ll hear both the original call and the page. To hear just the page, hold or end the call.

Adjusting the Volume of Pages

You can adjust the volume of pages while they play. During a page, press either Volume Up or Volume Down to raise or lower the page volume.

If you adjust the volume of a non-emergency page, your phone will use the adjusted volume for subsequent non-emergency pages. However, if you adjust the volume of an Emergency page, your phone won’t use the adjusted volume for subsequent Emergency pages. All Emergency pages play at the same volume, until you adjust it.

Changing Where Pages are Played

While you send a page, you can pick up the handset or press Speakerphone or the Headset key and continue speaking. You can also press the Microphone Mute key to mute your audio so that the people receiving your page won’t hear anything. This behavior is similar to a phone call.

An incoming page plays from the speakerphone by default. If you lift the handset or press the Headset key, you’ll hear a dial tone.

Note

Your system administrator can change your phone’s configuration so that you can change where the page plays: the speakerphone, headset, or handset.

Updating the Default Paging Group

If you don’t select a group to send your pages to, your page will automatically go to the default paging group, Group 1. If you want, you can change the default paging group.

To update the default Paging Group:

1. Press Menu, then select Settings > Basic > Preferences > Paging/PTT Configuration > Group Paging.
2. From the Group Paging Configuration screen, press the Edit soft key. The default paging group is 1.
3. Enter the number of the new default paging group, then press the Ok soft key.

**Updating Paging Group Subscriptions**

By default, you’re subscribed to Paging Groups 1, 24, and 25. This means that you can send pages to and receive pages sent to these groups. You can change which groups you are subscribed to. However, you can’t disable your subscriptions to Paging Groups 24 and 25.

**To update your Paging Group subscriptions:**

1. Press Menu, then select Settings > Basic > Preferences > Paging/PTT Configuration > Group Paging.
2. From the Group Paging Configuration screen, use the down arrow key to locate Groups Subscriptions, then press the Select soft key.
3. From the Group Subscription screen, use the down arrow key to select a group to subscribe to, then press the Edit soft key.
   
   For example, you may want to enable subscriptions to Paging Group 6, so you’ll be able to send pages to, and receive pages sent to, this group.
4. Use the left or right arrow keys to select Yes, then press the Ok soft key.

By default, you’re subscribed to Channels 1, 24, and 25.

**Allowing Pages to Play During Active Calls**

The Accept While Busy option allows pages to come in as active calls (if enabled) or Pending (if disabled). A Pending page displays as if it were held.

If enabled, a page will interrupt telephone calls and you’ll be able to hear the audio of both the telephone call and the page. The party on the other end of the telephone call cannot hear the page unless that party has also enabled Accept While Busy.

If disabled, the incoming page won’t disrupt the phone call, and you won’t hear the page. To hear the page, select the page and press the Select soft key (the phone call will automatically be held). Or, hold or end the phone call.

**To allow or disallow pages to play during an active call:**

1. Press Menu, then select Settings > Basic > Preferences > Paging/PTT Configuration > Group Paging.
2. From the Group Paging Configuration screen, use the down arrow key to locate Accept While Busy, then press the Edit soft key.
3. From the Accept While Busy screen, use the left or right arrow key to select **Enabled** or **Disabled**, then press the **Ok** soft key.

   The default setting is **Disabled**. When enabled, your phone will accept and play pages while you’re in an active call. When disabled, your phone won't play pages while you’re in a call, but will hold them as **Pending** instead.

### Accessing Features with Your Login Credentials

Your system administrator may assign you login credentials—a domain, user name, and password.

If there is a problem with your login credentials, you won't be able to access the feature on your phone. When your phone has incorrect login credentials, the message ‘Login Credentials failed.’ displays on the screen. You must re-submit your login credentials.

**To re-submit or enter your login credentials:**

1. Press **Menu**, then select **Settings > Basic > Login Credentials**.

   The Login Credentials Domain screen displays.

   ![Login Credentials Screen](image)

2. Enter the domain, user name, and password, then press the **Submit** soft key.

### Updating Your Phone’s Configuration

Your phone can often accept a new configuration without requiring a restart.

**To update the phone’s configuration:**

1. Press **Menu**. 
2. Select **Settings > Basic > Update Configuration**.
   “Are you sure?” appears on the screen.

3. If you still want to update the configuration, press the **Yes** soft key.
   The configuration is updated. On occasion, your phone may restart depending on which configuration parameters have changed.

4. If the phone did not restart, press **Menu** to return to the idle screen.

---

**Restarting Your Phone**

In rare cases, your system administrator may ask you to restart your phone to assist in troubleshooting. It is sometimes possible to restore normal operation to a malfunctioning phone without restarting it. Your system administrator may want to perform diagnostics on the phone before restarting it, contact them before restarting the phone and losing current status information.

**Note**
Do not restart your phone to upload a new configuration. Instead, refer to **Accessing Features with Your Login Credentials** on page 3-30.

**Note**
Call lists are automatically cleared when you restart the phone.

**To restart the phone:**

1. Press **Menu**.

2. Select **Settings > Basic > Restart Phone**.
   “Are you sure?” appears on the screen.

3. If you still want to restart your phone, press the **Yes** soft key.
   The restart process begins. The process ends when the idle screen appears.
Using the SoundPoint IP Color Expansion Module

This chapter provides basic installation and operating instructions and information for obtaining the best performance with the Polycom® SoundPoint IP Color Expansion Module.

Each SoundPoint IP Color Expansion Module enhances the user interface of the SoundPoint IP 670 phone with a high-resolution graphic display and 14 Line Keys that can be automatically configured as a line, call appearance, speed dial, or busy lamp field. Up to three SoundPoint IP Color Expansion Modules can be connected to the SoundPoint IP 670 phone to provide a productivity-enhancing solution for users who manage and monitor multiple simultaneous telephone calls on a daily basis.

This topics include:

• Connecting the SoundPoint IP Color Expansion Module
• Features of the SoundPoint IP Color Expansion Module
• Adjusting the Display Contrast
• Adjusting the Backlight Intensity
• Placing Calls
• Answering Calls
• Assigning Speed Dial Keys
• Using the Busy Lamp Field

To customize your phone, refer to Customizing Your Phone on page 2-1. To read about the phone’s basic features, refer to Using the Basic Features of Your Phone on page 3-1. To read about the phone’s advanced features, refer to Using the Advanced Features of Your Phone on page 4-1.

If you require additional information or assistance with the Color Expansion Module, contact your system administrator.
Connecting the SoundPoint IP Color Expansion Module

This section describes how to attach the SoundPoint IP Color Expansion Module to your SoundPoint IP 670 phone. You can attach up to three SoundPoint IP Color Expansion Modules.

To connect a SoundPoint IP Color Expansion Module to your phone:

1. Remove the rubber plug from the SoundPoint IP 670 or the SoundPoint IP Color Expansion Module.

2. Align the SoundPoint IP Color Expansion Module at the top of the groove lines on the SoundPoint IP 670 phone and slide it downwards until it clicks into position.

3. Connect the base stand by aligning the two protrusions on the stand to the holes on the back of the Color Expansion Module and snap it into place.

For each SoundPoint IP Color Expansion Module that you want to add, repeat steps 1 to 3.
The features of the SoundPoint IP Color Expansion Module are:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power Contact</td>
</tr>
<tr>
<td></td>
<td>Not visible when you connect the SoundPoint IP Color Expansion Module to the phone. Power automatically transfers from the host phone to the SoundPoint IP Color Expansion Module(s) upon connection. You can plug in and unplug the units at any time.</td>
</tr>
<tr>
<td>2</td>
<td>Line/Speed Dial Keys</td>
</tr>
<tr>
<td></td>
<td>Use these keys to activate up to 47 lines or speed dials that can be assigned to your phone.</td>
</tr>
</tbody>
</table>
Adjusting the Display Contrast

To adjust the display contrast on a SoundPoint IP Color Expansion Module, refer to Changing the Display Contrast on page 2-2.

Adjusting the Backlight Intensity

To adjust the backlight intensity on a SoundPoint IP Color Expansion Module, refer to Changing the Backlight Intensity on page 2-3.
Using the SoundPoint IP Color Expansion Module

Placing Calls

When you connect a SoundPoint IP Color Expansion Module to your phone, you can place a call using one of the Line Keys.

To place a call using a SoundPoint IP Color Expansion Module Line Key:

> Press the assigned directly opposite the number on the graphic display.

For more information on placing a call, refer to Placing Calls on page 3-2.

Answering Calls

When you connect a SoundPoint IP Color Expansion Module to your phone, you can answer a call using one of the Line Keys.

To answer a call using a SoundPoint IP Color Expansion Module Line Key:

> Press the assigned directly opposite the line with the fast flashing green LED indicator.

For more information on answering a call, refer to Answering Calls on page 3-4.

Assigning Speed Dial Keys

You can associate contacts with Line Keys on the SoundPoint IP Color Expansion Module for single touch dialing of frequently used numbers. Speed Dial entries are consecutively placed next to assigned Line Keys.
For example, in the figure below, press the fourth Line Key to dial home.

To assign a new speed dial key:

1. Press and hold an unassigned .
   A new empty entry in the contact directory is automatically opened allowing contact information to be added.
2. Press the More soft key.
3. Press the Add soft key.
4. (Optional.) Enter contact information
   Use the 1/A/a soft key to select between numeric and upper/lower case alphanumeric modes.
   Use the Encoding soft key to access special characters in other languages.
5. Enter a contact number.
   The number must be unique (not already in the directory).
6. Change the Speed Dial Index field.
   It is automatically assigned to the next available index value. You may instead enter any unused speed dial number from 1 to 9999.

Polycom recommends that you assign speed dial index values consecutively. For example, if you assign the third Line Key to the speed dial index value "2", assign the fourth Line Key to the speed dial index value "3".
7. Press the Save soft key to accept your changes.

8. Press [Directories] to return to the idle screen.

For more information on assigning speed dial keys, refer to Assigning Speed Dial Keys on page 3-22.

**Using the Busy Lamp Field**

The busy lamp field (BLF) feature allows you to monitor the hook status and remote party information of other users through the BLF LED indicators and display on the SoundPoint IP 670 phone with the attached Color Expansion Module. For more information, contact your system administrator.

The following figure shows the busy status of other users (for example, Louis, Jack, Don, William, Milton, and Z are busy on the phone):

This chapter contains general troubleshooting information to help you solve any problems you might encounter when you use your Polycom® SoundPoint IP 670 phone. The tables in this chapter list possible trouble symptoms, the likely causes of these problems, and the recommended corrective actions to take. The topics include:

- Power and Startup
- Controls
- Access to Screens and Systems
- Audio
- Calling
- Displays
- Productivity Suite

To obtain more detailed troubleshooting information, you can access certain menus on your phone that test your phone hardware. For more information, see Testing Phone Hardware on page 6-7.

If you require additional assistance, contact your system administrator.

**Note**

Before restarting your phone, contact your system administrator. They may want to troubleshoot your phone in more detail before restarting it and losing current status information.
### Power and Startup

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>There are power issues.</td>
<td>The SoundPoint IP 670 phone has no power.</td>
<td>Do one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check if the phone is properly plugged into a functional AC outlet.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• If using PoE, check that the ethernet cable is properly plugged into the phone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and the outlet port. Contact your system administrator to ensure that you are</td>
</tr>
<tr>
<td></td>
<td></td>
<td>using a powered port, enabled for PoE.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Make sure that the phone isn’t plugged into a plug controlled by a light switch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>that is off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• If the phone is plugged into a power strip, try plugging it directly into a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>wall outlet instead.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Try the phone in another room where the electricity is known to be working on</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a particular outlet.</td>
</tr>
</tbody>
</table>

### Controls

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The dial pad does not</td>
<td>The dial pad on the SoundPoint IP 670 phone does not respond.</td>
<td>Do one of the following:</td>
</tr>
<tr>
<td>work.</td>
<td></td>
<td>• Verify that the phone is unlocked (the information status should not read</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“This Phone is Locked”.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check to make sure the phone is turned on (check display, other keys, lights,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>try to place a call).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Contact your system administrator.</td>
</tr>
</tbody>
</table>
## Access to Screens and Systems

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no response when you press a feature key.</td>
<td>The SoundPoint IP 670 phone is not in an active state.</td>
<td>Do one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Press the keys more slowly.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• To confirm that the line is active, press the <strong>Menu</strong> key, and then select <strong>Status &gt; Lines &gt; Line Information</strong>. From the Line Information page, verify that your phone line is registered.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Contact your system administrator.</td>
</tr>
<tr>
<td>The screen shows “Network Link is Down”.</td>
<td>The LAN cable is not properly connected.</td>
<td>Do one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check termination at the switch or hub (furthest end of the cable from the phone).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check that the switch or hub is operational (flashing link/status lights) or contact your system administrator.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Check if the LAN port is active or inactive. Press the <strong>Menu</strong> key, and then select <strong>Status &gt; Network &gt; Ethernet</strong>. From the Ethernet page, scroll to the LAN port field and verify that it is active.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Contact your system administrator.</td>
</tr>
</tbody>
</table>
## Audio

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no audio on the headset.</td>
<td>The connections are not correct.</td>
<td>Do one of the following:&lt;br&gt;• Ensure the headset is plugged into the jack marked Headset at the rear of the phone.&lt;br&gt;• Ensure the headset amplifier (if present) is turned on and/or the volume is correctly adjusted. If the amplifier uses batteries, check that they are fully charged.</td>
</tr>
<tr>
<td>You are using a headset and the people you call hear echo.</td>
<td>There may be an issue with the echo cancellation feature of your headset.</td>
<td>Do the following:&lt;br&gt;• Press the Menu key, then select Settings &gt; Basic &gt; Preferences &gt; Headset &gt; Echo Cancellation. Using the arrow keys, select Enabled, and then press the Select soft key.&lt;br&gt;• Contact your system administrator.</td>
</tr>
</tbody>
</table>

## Calling

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no dial tone.</td>
<td>Power is not correctly applied to the SoundPoint IP 670 phone.</td>
<td>Do one of the following:&lt;br&gt;• Check that the screen is illuminated.&lt;br&gt;• Make sure the LAN cable is inserted properly at the back of the phone (try unplugging and re-inserting the cable).&lt;br&gt;• If using in-line powering, have your system administrator check that the switch is supplying power to the phone.</td>
</tr>
<tr>
<td>Dial tone is not present on one of the audio modes.</td>
<td>Do one of the following:&lt;br&gt;• Switch between Handset, Headset (if present) or Hands-Free Speakerphone to see if the dial tone is present for one of audio modes.&lt;br&gt;• If the dial tone exists on another audio mode, connect a different handset or headset to isolate the problem.</td>
<td></td>
</tr>
<tr>
<td>The phone is not registered.</td>
<td>Contact your system administrator.</td>
<td></td>
</tr>
<tr>
<td>Symptom</td>
<td>Problem</td>
<td>Corrective Action</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>----------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>The phone does not ring.</td>
<td>Ring volume is low.</td>
<td>Do one of the following: • Adjust the ringing level from the front panel using the volume up/down keys. • Check the Alerting Destination from Menu &gt; Basic &gt; Settings &gt; Preferences &gt; Audible Ringer.</td>
</tr>
<tr>
<td>Outbound or inbound calling is unsuccessful.</td>
<td></td>
<td>Do one of the following: • Place a call to the phone under investigation. Check that the screen indicates incoming call information. • Lift the handset. Ensure the dial tone is present and place a call to another extension or number. Check that the screen changes in response.</td>
</tr>
<tr>
<td>The ringer is in silent mode.</td>
<td></td>
<td>Do one of the following: • Change the Ring Tone from Menu &gt; Settings &gt; Basic &gt; Ring Type.</td>
</tr>
<tr>
<td>“Service Unavailable” appears on the screen.</td>
<td>The phone, call server, configuration, or organization settings do not support the feature you are trying to access.</td>
<td>Contact your system administrator.</td>
</tr>
<tr>
<td>The line icon shows an unregistered line icon.</td>
<td>The phone line is unregistered.</td>
<td>Contact your system administrator.</td>
</tr>
</tbody>
</table>
## Displays

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no display.</td>
<td>Power is not correctly applied to the SoundPoint IP 670 phone or the SoundPoint IP Color Expansion Module.</td>
<td>Do one of the following:</td>
</tr>
<tr>
<td>The display is incorrect.</td>
<td></td>
<td>• Check that the screen is illuminated.</td>
</tr>
<tr>
<td>The display has bad contrast.</td>
<td></td>
<td>• Make sure the LAN cable is inserted properly at the back of the phone.</td>
</tr>
<tr>
<td>The expansion module is not working.</td>
<td></td>
<td>• If using Power over Ethernet (PoE), have your system administrator check the PoE switch, and that EM power is enabled in the Network Configuration menu (if using an expansion module).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use the screen capture feature. Contact your system administrator to determine if it is enabled.</td>
</tr>
<tr>
<td>The contrast needs adjustment.</td>
<td></td>
<td>Do one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Refer to Changing the Display Contrast on page 5-2.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Restart the phone to obtain a default level of contrast.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use the screen capture feature. Contact your system administrator to determine if it is enabled.</td>
</tr>
<tr>
<td>Outbound or inbound calling is unsuccessful.</td>
<td></td>
<td>Do one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Place a call to the phone under investigation. Check that the screen indicates incoming call information.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Lift the handset. Ensure the dial tone is present and place a call to another extension or number. Check that the screen changes in response.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use the screen capture feature. Contact your system administrator to determine if it is enabled.</td>
</tr>
<tr>
<td>The display flickers.</td>
<td>A certain type of older fluorescent lighting causes the display to appear to flicker.</td>
<td>Do one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Move the SoundPoint IP 670 SIP phone away from the lights.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Replace the lights in your work environment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use the screen capture feature. Contact your system administrator to determine if it is enabled.</td>
</tr>
</tbody>
</table>
Productivity Suite

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>You are trying to access one of the following features, but it is not available on your phone: • Corporate Directory • Recording and Playback of Audio Calls • Managing Conferences</td>
<td>The license is not installed on your phone or it has expired.</td>
<td>Do the following: • Press the Menu key, then select Status &gt; Licenses. • Using the arrow keys, verify that the features that you want to use has a valid license. • Contact your system administrator.</td>
</tr>
</tbody>
</table>

Testing Phone Hardware

Your system administrator may ask you to access a diagnostics menu on your phone to test your phone hardware. From the diagnostics menu, you can test your phone’s microphones, speaker, handset, third-party headset (if present), keypad mappings, and color LCD display. See your system administrator for instructions on how to perform these tests.

To test your phone hardware:

>> Press Menu, and then select Status > Diagnostics > Test Hardware > Audio Diagnostics, Keypad Diagnostics, or Display Diagnostics.
Regulatory Notices

<table>
<thead>
<tr>
<th>Service Agreements</th>
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<tbody>
<tr>
<td>Please contact your Polycom Authorized Reseller for information about service agreements applicable to your product.</td>
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<tr>
<th>Governing Law</th>
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<tr>
<td>This Limited Warranty and Limitation of Liability shall be governed by the laws of the State of California, U.S.A., and by the laws of the United States, excluding their conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is hereby excluded in its entirety from application to this Limited Warranty and Limitation of Liability.</td>
</tr>
</tbody>
</table>

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<table>
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<tr>
<th>Limitations of Liability</th>
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<tbody>
<tr>
<td>LIMITATION OF LIABILITY. TO THE FULL EXTENT ALLOWED BY LAW, POLYCOM EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF POLYCOM OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT POLYCOM’S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.</td>
</tr>
</tbody>
</table>
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LIMITED WARRANTY. Polycom warrants to the end user ("Customer") that this product is expected to be free from defects in workmanship and materials, under normal use and service, for one year from the date of purchase from Polycom or its authorized reseller.

Polycom’s sole obligation under this express warranty is at Polycom’s option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options are reasonably available, Polycom may, on its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of Polycom. Replacement products or parts may be new or reconditioned.

Polycom is expected to warrant any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer. Products returned to Polycom must be sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. Responsibility for loss or damage does not transfer to Polycom until the returned item is received by Polycom. The repaired or replaced item will be shipped to Customer, at Polycom’s expense, not later than thirty (30) days after Polycom receives the defective product, and Polycom will retain risk of loss or damage until the item is delivered to Customer.

The product software comes with 90-day software warranty, providing for software updates (minor releases/bug fixes). To continue to receive support, purchasing a maintenance contract is the most economical solution.

Exclusions

Polycom will not be liable under this limited warranty if its testing and examination disclose that the alleged defect or malfunction in the product does not exist or results from:

• Failure to follow Polycom’s installation, operation, or maintenance instructions.
• Unauthorized product modification or alteration.
• Unauthorized use of common carrier communication services accessed through the product.
• Abuse, misuse, negligent acts or omissions of Customer and persons under Customer’s control; or
• Acts of third parties, acts of God, accident, fire, lightening, power surges or outages, or other hazards.

Warranty Exclusive

IF A POLYCOM PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER’S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT POLYCOM’S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. POLYCOM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.
Part 15 FCC Rules

This device is compliant with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interferences received, including interference that may cause undesired operation.

Class B Digital Device or Peripheral

Note: This equipment is tested and complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experience radio/TV technician for help.

Modifications

In accordance with Part 15 of the FCC Rules, the user is cautioned that any changes or modifications not expressly approved by Polycom, Inc. could void the user's authority to operate the equipment. This equipment may not be used on a coin service or party line.

Installation Instructions

Installation must be performed in accordance with all relevant national wiring rules.

Installation doit être exécutée conformément à tous les règlements nationaux applicable au filage électrique.

When using PoE (Power over Ethernet), the equipment is to be connected only to PoE networks without connections to the outside plant.

Plugs Acts as Disconnect Device

The socket outlet to which this apparatus is connected must be installed near the equipment and must always be readily accessible.

La prise électrique à laquelle l’appareil est branché doit être installée près de l’équipement et doit toujours être facilement accessible.

Industry Canada (IC)

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.
### Safety and Compliance (continued)

<table>
<thead>
<tr>
<th><strong>CE and VCCI Mark</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>This SoundPoint IP 670 SIP is marked with the CE mark. This mark indicates compliance with EC Directory 1995/5/EC. A full copy of the Declaration of Conformity can be obtained from Polycom Ltd., 270 Bath Road, Slough, Berkshire, SL1 4DX, UK.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>WARNING Electrical Safety</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>To avoid electric shock, do not connect safety extra low voltage (SELV) circuits to teleconference station network (TNV) circuits. LAN ports contain SELV circuit, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables.</td>
</tr>
</tbody>
</table>

This product is rated 48Vdc, 0.375A. When used with the optional external power supply, the power supply shall be a Listed power supply with a LPS output, rated 48V, min. 0.375A.

<table>
<thead>
<tr>
<th><strong>Russian Compliance - SoundPoint IP 670</strong></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Operating Ambient Temperatures</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature: +32 to 104°F (0 to 40°C)</td>
</tr>
<tr>
<td>Relative humidity: 5% to 95%, noncondensing</td>
</tr>
<tr>
<td>Storage temperature: -40 to +160°F (-40 to +70°C)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Australia</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning: This equipment will not operate when mains power fails.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Hearing Aid Compatibility (HAC)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>This product is hearing aid compatible.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Waste Electrical and Electronic Equipment (WEEE)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>All Polycom products that fall within the scope of the EU WEEE Directive carry the crossed wheelie bin symbol which advises customers not to recycle electronic products in the domestic waste stream but to recycle them safely as e-waste.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Restriction of Hazardous Substances Directive (RoHS)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>All Polycom products comply with the requirements of the EU RoHS Directive. Statements of compliance can be obtained from <a href="mailto:TypeApproval@polycom.com">TypeApproval@polycom.com</a>.</td>
</tr>
</tbody>
</table>
Safety Notices

Polycom Take Back

In addition to any mandated take back requirement, Polycom offers free recycling of its branded products to business users. Detailed information is available at http://www.polycom.eu/documents/company/about_us/producer_responsibility_statement.pdf.

New Zealand Telepermit

Polycom SoundPoint IP670 VoIP Telephone PTC 220/08/063

PTC General Warning

1. The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

The Use of IP Networks through the PSTN

2. Internet Protocol (IP) by its nature introduces delay into speech signals as each data packet is formulated and addressed. Telecom Access Standards recommends that suppliers, designers and installers using this technology for calls to or from the PSTN refer to ITU E Model requirements in the design of their networks. The overall aim is to minimise delay, distortion and other transmission impairments, particularly for those calls involving cellular and international networks, which already suffer extensive delay.

The Use of Voice Compression through the PSTN

3. Because of the extensive delay already experienced when calling cellular and international networks, some of which is already caused by their use of voice compression technologies. Telecom Access Standards will only approve G711 voice technology for use on the PSTN. G711 is an 'Instantaneous Speech encoding Technique' whereas G729 and all its variants are considered ‘Near Instantaneous’ introducing additional delay into the speech signal.

Echo Cancellation

4. Echo cancellers are not normally required in the Telecom PSTN because geographic delays are acceptable where CPE return loss is maintained within Telepermit limits. However, those private networks making use of Voice over IP technology are required to provide echo cancellation for all voice calls. The combined effect of audio / VoIP conversion delay and IP routing delay can cause the echo cancellation time of 64 ms to be required.

Modification of this Polycom SoundPoint IP670 VoIP Telephone for the New Zealand Network

5. All samples of Polycom SoundPoint IP670 VoIP Telephones connected to the Telecom network shall be equipped with the following software batch Rev 3.0.2.0917. Equipped with this software batch the IP telephone is known to comply with the New Zealand speech transmission plan.

Korean Compliance

한국의 모든 SoundPoint IP 670 유대 전화 출하

사용자 안내문

B 급기기(가정용 정보통신기기)

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Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

9. **EXPORT CONTROLS.**

The Software Product may not be downloaded or otherwise exported or re-exported (i) into (or to a national or resident of) Cuba, North Korea, Iran, Syria, Sudan, or any other country to which the U.S. has embargoed goods; or (ii) to anyone on the U.S Treasury Department’s List of Specially Designated Nationals or the U.S. Commerce Department’s Table of Denial Orders. By downloading or using this Software Product, you are agreeing to the foregoing and you are representing and warranting that you are
not located in, under the control of, or a national or resident of any such country or on any such list. If you obtained this Software Product outside of the United States, you are also agreeing that you will not export or re-export it in violation of the laws of the country in which it was obtained.

10. MISCELLANEOUS.

10.1 Governing Law. This Agreement shall be governed by the laws of the State of California, as such laws are applied to agreements entered into and to be performed entirely within California between California residents, and by the laws of the United States. The United Nations Convention on Contracts for the International Sale of Goods (1980) is hereby excluded in its entirety from application to this Agreement.

10.2 General. This Agreement represents the complete agreement concerning this license and may amended only by a writing executed by both parties. If any provision of this Agreement is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

10.3 Contact. If you have any questions concerning this Agreement, or if you desire to contact Polycom for any reason, please contact the Polycom office serving your country.

10.4 U.S. Government Restricted Rights. The software and documentation provided by Polycom pursuant to this Agreement are “Commercial Items,” as the term is defined at 48 C.F.R. §2.101, consisting of “Commercial Computer Software” and “Commercial Computer Software Documentation,” as such terms are used in 48 C.F.R. §12.212 or 48 C.F.R. §227.7202, as applicable. Consistent with 48 C.F.R. §12.212 or 48 C.F.R. §§227.7202-1 through 227.7202-4, as applicable, the Commercial Computer Software and Commercial Computer Software Documentation are licensed to United States Government end users (1) only as Commercial Items and (2) with only those rights as are granted to all other users pursuant to the terms of this Agreement.

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