# Configuring Audio Settings

## General Audio Settings

**To configure general audio settings:**

1. Go to **System > Admin Settings >Audio.**

   The Audio Settings screen, where you choose Audio Settings or Stereo Settings, is not present on a VSX 3000 or VSX 3000A. It is available on a set-top or component system after you have enabled the Polycom StereoSurround option.

2. Configure these settings on the Audio Settings screen:

| Setting | Description |
|---|---|
| **Sound Effects Volume** | Sets the volume level of the ring tone and user alert tones. |
| **Incoming Video Call** | Specifies the ring tone used for incoming calls. |
| **User Alert Tones** | Specifies the tone used for user alerts. |
| **Mute Auto Answer Calls** | Specifies whether to mute incoming calls.<br>Incoming calls are muted by default until you press the mute on the microphone or on the remote control. |
| **Enable Internal Ringer**<br>VSX 3000<br>VSX 3000A | Specifies an additional ring tone when receiving an incoming call. The internal ringer is built into the system and alerts you to incoming calls. |
| **Enable Polycom Microphones** | Specifies whether integrated and attached Polycom microphones are enabled. You can disable this option to turn off:<br>• VSX 3000 or VSX 3000A system's integrated microphone<br>• VSX 6000, VSX 6000A, VSX 7000, VSX 7000e and VSX 8000 microphones<br>• SoundStation VTX 1000 integrated microphones<br>• SoundStation VTX 1000 extended microphones<br>Disable this setting in the following situations:<br>• You have a VSX system integrated with both a Vortex mixer and a SoundStation VTX 1000 conference phone.<br>• You have an external handset, headset, or lapel microphone attached to a VSX system line input.<br>This option is automatically disabled if a line input is set to Audio Mixer, echo cancellation is enabled on a line set for Audio Mixer, and stereo is enabled. |

| Setting | Description |
|---|---|
| **Enable Polycom StereoSurround** | Specifies that Polycom StereoSurround is used for all calls.<br>To send or receive stereo audio, make sure your VSX system is set up as described in Connecting Polycom Microphones to Set-Top or Component Systems on page 4-1 and Connecting Speakers on page 4-6. Your system can receive stereo audio even when it cannot send stereo.<br>When you use an audio mixer with Echo Canceller enabled, the stereo input is from the mixer only and the Polycom microphones are disabled. If Echo Canceller is disabled, the Polycom microphones are enabled and are added to the audio from the mixer.<br>**VSX 7000** and **VSX 7000e:** When you use an audio mixer with stereo enabled, the microphones are disabled.<br>**VSX 8000:** When you use the Balanced In echo canceller with stereo enabled, the microphones are disabled. |
| **Enable Live Music Mode** | Specifies whether the system transmits audio using a configuration that best reproduces live music picked up by microphones.<br>**Note**: Noise suppression and automatic gain control are disabled when this setting is enabled. |

**3.** Select and enter VCR/DVD settings for the VSX 7000e system:

| Setting | Description |
|---|---|
| **VCR/DVD In Level** | Sets the volume at which the VCR/DVD player plays, relative to other audio from the system. |
| **VCR/DVD Out Level** | Sets the volume at which the call is recorded. |
| **VCR/DVD Audio Out Always On** | Allows you to record a call using one VCR or DVD, while playing recorded content into the call from a second VCR or DVD.<br>Do not select this setting if you have only one VCR or DVD player connected. If this setting is disabled, the VCR audio output is disabled when VCR is the selected camera source. |

**4.** Select and enter line input settings:

| Setting | Description |
|---|---|
| **Line Input (Red** and **White)**<br>VSX 3000<br>VSX 3000A<br>VSX 5000<br>VSX 6000<br>VSX 6000A<br>VSX 7000 | Specifies how audio is heard from equipment you connect to the audio input connectors on the back of the system.<br>• **Audio Mixer**—Audio input is heard at the far site only, not at the near site. Use this setting for microphone signals.<br>• **VCR**—Audio input is heard at both the far site and near site. This setting requires that the video source is set to VCR; otherwise, no audio is heard. Select **VCR** when playing a VCR/DVD into the system. |
| **Line Input**<br>VSX 7000e | Specifies the type of equipment that is connected to the audio input connectors. Choose **Audio Mixer** if connected to a mixer. Select **Visual Concert** when sharing content using an ImageShare™ II, Visual Concert VSX, or laptop connected directly to the system. |
| **Input Type**<br>VSX 8000 | Specifies the type of equipment that is connected to the balanced audio inputs. Choose **Line Input** unless you have connected microphones directly to the balanced audio inputs. |
| **Level** | Sets the volume level for the line with which it is associated.<br>For a VCR/DVD player, sets the playback volume of the VCR/DVD player relative to other audio from the system. |
| **Echo Canceller** | Lets you specify whether to use the system's built-in echo canceller.<br>Do not enable this option if you have connected a Polycom Vortex mixer. This option is not available on some systems when the line input type is set to VCR. |
| **Line Out 2 Phono**<br>VSX 7000e | Specifies whether volume for a device connected to the audio line out connectors is variable or fixed.<br>• **Variable**—Allows users to set the volume with the remote control.<br>• **Fixed**—Sets the volume to the Audio Level specified in the system interface. |
| **Enable Phantom Power**<br>VSX 8000 | Allows the system to supply power to microphones connected directly to the balanced audio inputs.<br>**Note**: This selection is only available when you set **Input Type** to **Microphone**. |

| Setting | Description |
|---|---|
| **VCR/DVD In Level**<br>VSX 7000s | Sets the playback volume of the VCR/DVD player relative to other audio from the system. |
| **VCR/DVD Out Level**<br>VSX 7000s | Sets the volume at which the call is recorded. |
| **VCR/DVD Audio Out Always On**<br>VSX 7000s | Allows you to record a call using one VCR or DVD, while playing recorded content into the call from a second VCR or DVD.<br>Do not select this setting if you have only one VCR or DVD player connected. If this setting is disabled, the VCR audio output is disabled when VCR is the selected camera source. |

**5.** Select and enter audio output settings for the VSX 8000 system:

| Setting | Description |
|---|---|
| **Balanced Out (600 ohms)** | Specifies whether volume for a device connected to the balanced audio output connectors is variable or fixed.<br>• **Variable**—Allows users to set the volume with the remote control.<br>• **Fixed**—Sets the volume to the Audio Level specified in the system interface. |
| **Line Out 2 Phono** | Specifies whether volume for a device connected to the audio line out connectors is variable or fixed.<br>• **Variable**—Allows users to set the volume with the remote control.<br>• **Fixed**—Sets the volume to the Audio Level specified in the system interface. |

**6.** Select and enter VCR/DVD settings for the VSX 8000 system:

| Setting | Description |
|---|---|
| **Line Input (Red)**<br>**Line Input (White)** | Select **VCR** when playing a VCR into the system.<br>Select **Visual Concert** when sharing content using an ImageShare II, Visual Concert VSX, or laptop connected directly to the system. |
| **Level** | Sets the playback volume of the VCR/DVD player relative to other audio from the system. |

| Setting | Description |
|---|---|
| **VCR/DVD Out Level** | Sets the volume at which the call is recorded. |
| **VCR/DVD Audio Out Always On** | Allows you to record a call using one VCR or DVD, while playing recorded content into the call from a second VCR or DVD.<br>Do not select this setting if you have only one VCR or DVD player connected. If this setting is disabled, the VCR audio output is disabled when VCR is the selected camera source. |

**7.** Select and enter speaker settings:

| Setting | Description |
|---|---|
| **Master Audio Volume** | Sets the volume level for audio from the far site. |
| **Midrange Speaker**<br>VSX 6000<br>VSX 6000A<br>VSX 7000<br>VSX 7000s | Specifies whether to use the system's built-in midrange speaker.<br>You may prefer to turn off the midrange speaker if you connect the audio output to Monitor 1 or if you connect an external speaker system. |
| **Subwoofer Speaker**<br>VSX 7000<br>VSX 7000s | Specifies whether to use the system's subwoofer.<br>You may prefer to turn off the subwoofer speaker if you connect the audio output to Monitor 1. The system will not operate if you disconnect the subwoofer. |
| **Subwoofer Level**<br>VSX 7000<br>VSX 7000s | Sets the volume level for the subwoofer without changing the master audio volume. |
| **Bass** | Sets the volume level for the lower frequencies without changing the master audio volume. |
| **Treble** | Sets the volume level for the higher frequencies without changing the master audio volume. |
| **Line Outputs**<br>VSX 6000<br>VSX 6000A<br>VSX 7000 | Specifies how the audio output behaves. The default selection, **Monitor - Far Site Audio**, supplies audio to the Monitor 1 audio outputs only when the system is receiving audio from the far site.<br>If you have connected a VCR to record the conference, select **VCR - Far and Near Audio** to supply audio from both the far site and the system's microphones to the VCR. |

## StereoSurround Settings

To send or receive stereo audio, make sure your VSX system equipment is set up as described in Connecting Polycom Microphones to Set-Top or Component Systems on page 4-1 and Connecting Speakers on page 4-6. Then configure the system to use Polycom StereoSurround, test the system configuration, and place a test call.

If you are in a call with a far site that is sending audio in stereo mode, you can receive in stereo. In multipoint calls where some sites can send and receive stereo and some sites cannot, any site that is set up to send or receive stereo will be able to do so.

**Points to note about StereoSurround:**

- Camera tracking is disabled when you enable StereoSurround.
- If StereoSurround is enabled on a VSX 6000 or VSX 7000, the system cannot record audio from a call.

**To configure systems to send and receive Polycom StereoSurround:**

1. Go to **System > Admin Settings > Audio**.

   Set **Enable Polycom StereoSurround**.

2. VSX 7000, VSX 7000s: Go to **System > Admin Settings > Audio > Audio Settings > Next > Next**.

   Set **Subwoofer Speaker** to **Off**.

**To test your stereo configuration:**

1. Go to **System > Admin Settings > Audio > Stereo Settings > Next.**

   Specify the **Table Style** and make sure the microphones are positioned as shown.

   Also refer to Placing Polycom Microphones to Send Stereo from Your Site on page 4-3 and Placing a SoundStation VTX 1000 Phone to Send Stereo from Your Site on page 4-5.

2. Go to **System > Admin Settings > Audio > Stereo Settings**.

   Gently blow on the left leg and right leg of each Polycom microphone while watching the Left and Right meters to identify the left and right inputs. Select Swap if necessary.

3. Go to **System > Admin Settings > Audio > Stereo Settings > Next > Next.**

   Test the speakers to check volume and verify that audio cables are connected. If the system is in a call, the far site hears the tone.

   Exchange the right and left speakers if they are reversed.

   Adjust the volume control on your external audio amplifier so that the test tone sounds as loud as a person speaking in the room. If you are using a Sound Pressure Level (SPL) meter, it should measure about 75 dBA in the middle of the room.

**To make a test call in stereo:**

➢ Select **Polycom Austin Stereo** from the directory, or enter `stereo.polycom.com` in the dialing field and press **Call** on the remote control.

   The Polycom Austin Stereo site demonstrates the stereo feature with an entertaining and informative presentation.

## Settings for Connecting to a Polycom Vortex Mixer

**To configure VSX systems to use a Polycom Vortex mixer:**

1. Go to **System > Admin Settings > Audio > Audio Settings**.

   Disable the **Enable Polycom Microphones** setting if you have integrated both a Vortex and a SoundStation VTX 1000 conference phone with the VSX system.

2. VSX 5000, VSX 7000, VSX 7000e: Go to **System > Admin Settings > Audio > Audio Settings > Next**. Configure Balanced In:

   Set **Input type** to **Line Input**.

   Disable **Echo Canceller**.

3. VSX 8000: Go to **System > Admin Settings > Audio > Audio Settings > Next**. Configure Audio I/O:

   Set **Line Input** to **Audio Mixer**.

   Disable **Echo Canceller**.

4. Go to **System > Admin Settings > General Settings > Serial Ports**.

   Set **RS-232 Mode** to **Vortex Mixer** for the appropriate port.

Refer to the Polycom Vortex documentation for details on configuring the mixer.

## Settings for Non-Polycom Microphones

**To configure the VSX system to use microphones connected directly to the RCA audio inputs:**

1. Go to **System > Admin Settings > Audio > Audio Settings > Next**. Configure Balanced In:

   Set **Line Input** to **Audio Mixer**. (except VSX 7000s)

   Enable **Echo Canceller**.

   Adjust the audio **Level** if necessary. You can test this setting using the Audio Meter.

2. Go to **System > Diagnostics > Audio > Audio Meter**.

   Speak into the microphones that are connected to the audio line inputs. The audio meter should peak at about 10dB for normal speech.

The Audio screen, where you choose Audio Settings or Stereo Settings, is not present unless stereo is enabled.

## Settings for Microphones Connected to Balanced Audio Inputs on a VSX 8000 System

**To configure the VSX 8000 system to use microphones connected directly to the balanced audio inputs:**

1. Go to **System > Admin Settings > Audio > Audio Settings > Next**. Configure Balanced In:

   Set **Input type** to **Microphone**.

   Select **Echo Canceller**.

   Select **Enable Phantom Power** to supply power to microphones.

   Adjust the audio **Level** if necessary. You can test this setting using the Audio Meter.

2. Go to **System > Diagnostics > Audio > Audio Meter**.

   Speak into the microphones that are connected to the balanced audio inputs. The audio meter should peak at about 10dB for normal speech.

The Audio screen, where you choose Audio Settings or Stereo Settings, is not present unless stereo is enabled.