





for the Q-SYS[™] Platform

This document applies to these common applications (often called "soft codecs") used for web conferencing: **Skype for Business**, **Zoom**, **Adobe Connect**, **Cisco WebEx**, **Google Hangouts**, **BlueJeans**, and **FaceTime**

Introduction

QSC Q-SYS AV bridging integrates well with such leading web conferencing applications as Skype for Business, Zoom, Adobe Connect, Cisco WebEx, Google Hangouts, BlueJeans, and FaceTime. This document details the setup procedures for these various web conferencing applications. Please note that these are not the only ones that Q-SYS supports—only some of the most common.

Skype for Business - Options	;	>
General Personal Contacts List Status My Picture Phones Alets IIM Ringtones and Sounds Audio Device Video Device File Saving Recording Skype Meetings	Audio device Learn More Select the device you want to use for audio calls: Image: Constraint of the select of the sel	
	Secondary ringer Also ring: Line Out (Q-SYS Sound Card)	
	Unmute when my phone rings	
	Stereo audio playback	
	Allow stereo audio playback when available	
	OK Cancel Hi	- 1
	OK Cancel He	ар

Skype for Business

- 1. Open the Skype for Business application.
- Go to Tools > Options. The Skype for Business Options window will open.
- 3. Select Audio Device.
- Under Select the device you want to use for audio calls, select the appropriate Q-SYS bridging device. The device names will have been defined already in Q-SYS Designer Software.
- 5. Select Video Device.
- Under Select the camera you want to use for video calls, select the the appropriate Q-SYS AV bridging device. The device names will have been defined already in Q-SYS Designer Software.

Setup is complete.



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Zoom - Free Account	-	□ ×
QD QSC Demo • •		Settings
1		
Settings		×
General	Test Computer Audio	
∩ Audio	•	
Video		
Recording	Test Speaker Echo Cancelling Speakerphone (Q-SYS Speake -	
Advanced Features	Volume	
+ Accessibility	Test Mic Echo Cancelling Speakerphone (Q-SYS Speake	
🖅 Feedback	Volume	
	Automatically adjust microphone	
	Automatically join audio by computer when joining a meeting	
	Always mute microphone when joining meeting	



Zoom

- 1. Open the Zoom application.
- 2. Click on **Settings**. It is the gear icon in the upper right corner of the window.
- 3. In the Settings window, select Audio.
- 4. For both **Speaker** and **Microphone**, select the the appropriate Q-SYS AV bridging device. The device names will have been defined already in **Q-SYS Designer Software**.
- 5. Clear the Automatically adjust microphone check box.
- 6. Select Video.
- Under Camera, select the the appropriate Q-SYS AV bridging device. The device names will have been defined already in Q-SYS Designer Software.

Set the aspect ratio to **16:9 (Widescreen)** and select **Enable HD**.



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Settings	;		
🔳 Gen	eral	Advanced Features	
🕥 Audi	io		
Vide	20	QSC Demo	
Record	ording	sam.ward@qsc.com	
🚢 Adv	anced Features	s Enable Advanced Features	
-√\ Stati	istics	Edit My Profile	
🕇 Acce	essibility	Upgrade to Pro	
🗐 Feed	dback		
My Settings - Zo	om ×	žan –	
← ⇒ C ∆	Secure https://zoom.us/p		•
zoom	SOLUTIONS - PLANS & PRI-	REQUIST A DEMO	SUPPORT
Profile Meeting Settin Meetings	In Meeting	ig (Basic) ✓ Chat ✓ Private chat × Auto saving chats × Aldow host to put attendee on hold ⊕	Edit

× Play sound on join/leave
 ✓ Feedback to Zoom

Annotation Supported versions

× Non-verbal feedback
 Supported versions

Edit

× Co-host

× Breakout room

× Remote support

× File transfer 😡

× Closed caption

× Virtual background

Far end camera control
 Share dual camera
 Attention tracking
 Supported vi

 To enable far-end control of the Q-SYS PTZ IP camera, select Advanced Features.

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9. Click Enable Advanced Features.

This will open your browser to https://zoom.us/profile/ settings.

- 10. Select Meetings Settings.
- 11. Under In Meeting (Advanced) click Edit.

- 12. Select Far end camera control.
- 13. Click Save Changes.

Recordings

Webinars

Reports

Refer-a-Friend

Video Tutorials

Knowledge Base

Attend Live Training

Account Management

Account Profile

In Meeting (Advanced) for the Q-SYS Platform



Properties	
Core Properties	
Name	Core-1
Location	Default Location 🔻
Model	Core 110f 🔹
Is Redundant	No 🔻
USB Bridging	
USB Bridge Name	Core-1
UVC Camera Control	Enabled -
USB Video Bridge	Enabled 💌
USB Audio Bridge	Disabled 🔻

14. In Q-SYS Designer Software, under **USB Bridging**, enable **UVC Camera Control**.

Setup is complete.



Note that the audio and video devices can be changed even during an AV conference call, if necessary.

To change audio settings, click the **^** button next to the **Mute / Unmute** button and then make your selections.

To change video settings, click the ^ button next to the **Start Video** button and then make your selections.

Adobe Connect

Adobe Connect uses the computer's default device and communication settings. Dropdown menus under the loudspeaker, microphone, and video icons allow you to make adjustments.

Adobe	Meeting	Layouts	Pods	Audio	ý -	2 -	*
hare							

The loudspeaker menu allows muting, unmuting, and volume adjustment.

The microphone menu allows you to select the microphone, adjust its volume, and mute (**Disconnect My Microphone**) or unmute (**Connect My Audio**) it. Select the **Q-SYS Speakerphone** if it is not already the default.

With the video menu you select or verify the Q-SYS USB Video Bridge and start the webcam USB stream. When the webcam has been started, the local Q-SYS USB video will display in a preview pane. To send video to the far end, select **Start Sharing**.



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Supplementary settings

In the upper right corner of the main pane in Adobe Connect there is a **Pod Options** button. Its name appears when you hover the mouse pointer over it. Click the button and select **Preferences**. This opens the Preferences window, which gives you access to set desired options in these categories: **General**, **Display Name**, **Audio Conference**, **Video**, **Microphone**, **Screen Share**, **Attendees Pod**, **Chat Pod**, **Q & A Pod**, and **Whiteboard**.

references	
General	Audio Profile Settings
Display Name	Choose an Audio Profile to associate with this Meeting Room:
Audio Conference	choose an Audio Pronie to associate with this weeting room.
Video	Create Audio Profiles
Microphone	Audia Carlanara Cattiana
Screen Share	Audio Conference Settings
Attendees Pod	Set default settings for Audio Conference
Chat Pod	 Using Microphone (Computer/Device)
Q & A Pod	() dang merophone (compare) bevice)
Whiteboard	Allow participants to use Microphones

1. Select Audio Conference. Select Using Microphone (Computer/Device). Also select Allow participants to use Microphones.

Preferences	
General Display Name Audio Conference Video	Advanced Audio Settings Use Enhanced Audio Acoustic Echo Cancellation Mode: Off
Microphone Screen Share Attendees Pod Chat Pod Q & A Pod Whiteboard	☐ Automatic Gain Control Audio Quality: Best

2.	Select Microphone. At Acoustic Echo Cancellation
	Mode, select Off so it will not conflict with Q-SYS acoustic
	echo cancellation.

Preferences	
General Display Name Audio Conference Video Microphone Screen Share Attendees Pod Chat Pod Q & A Pod Whiteboard	Video Settings □ Disable Webcam Preview □ Highlight Active Speakers Aspect Ratio ○ Standard (4:3) Wide Screen (16:9) Video Quality Higher quality results in smoother video with better resolution but increases bandwidth usage. '' ' Low High High quality setting. Maximum supported resolution for this setting is 480p and maximum supported frame rate for this setting is 20.
	Done Cancel

- 3. Select Video. Set the aspect ratio to Wide Screen (16:9) and the Video Quality slider to High.
- 4. Click Done.



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Cisco WebEx

Cisco WebEx is a browser-based meeting application. When you start a meeting, the **Audio and Video Connection** configuration window will appear.



- 1. Click on Select Audio Connection. Select Call Using Computer.
- Click the gear icon next to the drop-down-menu. In the pop-up window, select the Q-SYS Speakerphone as both the microphone and the loudspeaker. Click OK.
- Click on Select Video Connection. Select the Q-SYS USB Video Bridge. A window previewing the local video will appear under the video connection information.
- 4. Click Connect Audio and Video.

Live settings

Cisco WebEx allows management of audio and video devices after the initial setup or even during an AV conference call.

If audio is not connected for the call, click **Call Using Computer**, located beneath the handset icon. To access the audio settings, click **More options** and select **Change settings**. A window titled **Computer Audio Settings** will appear where you can alter the loudspeaker and microphone devices. Select the Q-SYS Speakerphone for both the microphone and the loudspeaker.

Click the gear icon in the upper right corner (the icon's name, **Set Video Options**, will appear when the mouse pointer hovers over it). Click **Camera** and select the **Q-SYS USB Video Bridge** device.



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Google Hangouts

To use Google Hangouts for a video conference call, go to **https://hangouts.google.com**. The first time you use Hangouts for a video call, you must allow it access to the microphone, the loudspeaker, and the camera (Q-SYS USB Video Bridge). Hangouts makes both video and audio settings available once a video call has started. In an audio-only call, only the audio settings would be available.

1. Start the video call and before you invite anyone, click the gear icon in the upper right corner.

GENERAL	BAN	IDWIDTH
Video		
Q-SYS (1656:0006)	*	
Microphone		
Echo Cancelling Speakerphon	*	
Speakers		
Echo Cancelling Speakerphon	*	🕪 Test
Report additional diagnostic Hangouts.	cs to h	elp improve
		DONE

GENERAL	BANDWIDTH	_
Outgoing video		
Up to 720p (HD)		T
Incoming video		
Up to 720p (HD)		Ŧ
		OONE

 In the General settings, select the appropriate source under Video (for example, the Q-SYS USB Video Bridge). Also select a source under Microphone (for example, the Q-SYS Speakerphone) and under Speakers (for example, the Q-SYS Speakerphone).

3. Under **Bandwidth**, select the highest video resolution available, **720p HD**. Click **Done**.

Note that the video preview in Hangouts is mirrored (i.e., reversed left and right) to make camera framing easier.

 Initiate the call. During a call, the microphone and speaker settings can still be accessed and modified by clicking the gear icon.



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BlueJeans



 When you first open BlueJeans and join a meeting the software will present a choice of two audio options. If you wish to bypass this step the next time you use BlueJeans, select Save and Skip Next Time. Click Computer audio.

- 2. Click the Camera ON and Microphone ON buttons.
- If this is the first meeting on this installation of BlueJeans or if the camera, microphone, or loudspeaker configuration must change, click Change Camera/ Microphone.

For camera, microphone, and loudspeaker options, select the appropriate Q-SYS AV bridging device. The device names will have been defined already in **Q-SYS Designer Software**.

4. Click JOIN MEETING.



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5. If you need to update settings after you have joined a meeting, click **Settings** in the upper right corner of the BlueJeans window.

Make the necessary configurations.



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FaceTime

FaceTime is a soft codec developed by Apple Inc. that runs on Apple-specific hardware running either macOS or iOS.

- 1. Open FaceTime. Click Video.
- Under Camera, Microphone, and Output, select the appropriate Q-SYS AV bridging device. The device names will have been defined already in Q-SYS Designer Software.

Because many FaceTime users use mobile devices, its default video image orientation is portrait. This would not be ideal in a conference room situation because it will then crop the near-end and far-end video streams.

3. To flip the picture orientation, hover the mouse pointer over the near-end video image. (The image will typically be in the upper-right corner of the window.)

A flip icon will appear when the pointer hovers over the image. Click on the flip icon. The near-end video stream will change to landscape at both the near and far ends. Video displayed at the far end, however, may stay in a protrait orientation until the far-end user flips those images also.

If the far-end device is a mobile one, the user may prefer to keep it in portrait orientation, but he or she may also rotate the device to landscape to match the conference room video. Rotating the device will automatically change the orientation unless the device has **Portrait Orientation Lock** engaged.



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