



TECHNICAL NOTE

Integrating Audio Devices with the VidyoRoom™

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Integrating Audio Devices with VidyoRoom Endpoints

Tune your Vidyo conference audio experience to your application and taste

Applications for our VidyoConferencing™ system vary almost as widely as the people who use them. Different users may desire different levels of audio performance based on their respective applications and personal taste. That's why Vidyo has certified a variety of devices for use with our VidyoRoom system that may be sourced independently, in addition to the ClearOne Chat 50 and Yamaha PJP-25UR conferencing microphones that can be purchased through Vidyo. Any of the devices that do not directly connect to the VidyoRoom via USB can be connected with ease utilizing a USB Audio Interface. This technical note provides the information you'll need to connect audio devices to your VidyoRoom system and make intelligent choices about which devices will satisfy your individual needs.

Making the connection

Leveraging its widely adopted USB standard input ports, the VidyoRoom supports a wide variety of audio sources that are not USB in nature, such as, conferencing microphones, high-end echo canceling audio mixers and speakerphones, through the use of a simple device called a USB Audio Interface.

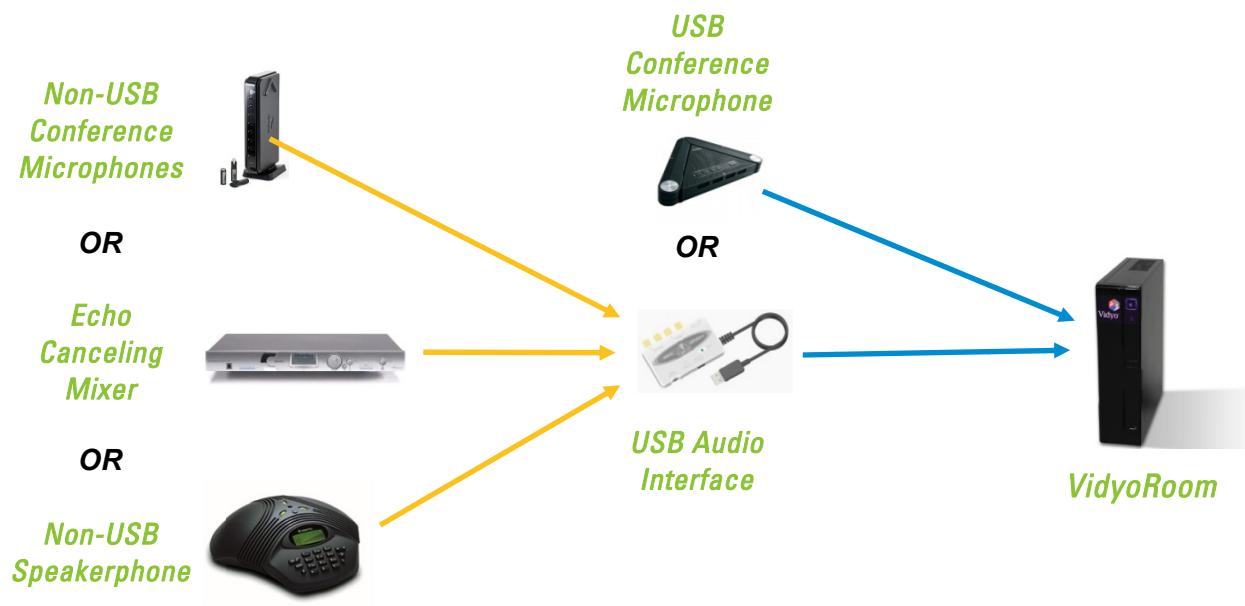


Illustration of VidyoRoom appliance using a USB Audio Interface or a USB Conference Microphone

Choosing the USB Audio Interface

There are several USB Audio Interface devices available in the market today, each supporting some set of audio input and output connections. The following provides a list of USB Audio Interface devices that have been tested with the VidyoRoom system.

	Griffin Technology iMic	Behringer UCA202
AUDIO INPUTS		
Analog (RCA)	1	2
Stereo Mic/Line (3.5mm)	2	NA
AUDIO OUTPUTS		
USB (<i>REQUIRED</i>)	1	1
Digital (Optical)	NA	1
Analog (RCA)	NA	2
Stereo Line (3.5 mm)	1	NA
PRICE		
Typical Retail Pricing	\$49.99	\$24.95

Note that you may also need a pair of stereo 3.5 to mono RCA adapters (Radio Shack part number 274-378) if you choose the iMic interface. Also note that it is important to keep the line/mic switch on the device set to "line."

Finding the right fit

When considering your audio needs, first answer the following questions:

- Will you have multiple microphones in the room and require echo cancellation?
- Are you okay with a low-end microphone or do you need something with better frequency response and noise cancelation?
- Do you need a wireless system?
- Do you need to connect to a POTS line?

Once you have an idea of the application and type of experience you are looking for, use the following list of devices certified with the VidyoRoom system to choose the devices that best meet your needs.

Device Type	Brand	Model	Typical Pricing	Reference	Recommended Interface Device
Conference Mic	ClearOne	Chat 50	\$195.00	Can be purchased as part of the VidyoRoom system	Not Required
Conference Mic	ClearOne	Chat 150	\$370.00	clearone-conferencing.com	Not Required
Conference Mic	Yamaha	PJP-25UR	\$699.00	Can be purchased as part of the VidyoRoom system	Not Required
Conference Kit	ClearOne	Rav 600	\$2,105.00	clearone-conferencing.com	UCA202
Conference Kit	ClearOne	Rav 900	\$2,495.00	clearone-conferencing.com	UCA202
Conference Kit	ClearOne	Converge 560/590	\$2,735.00	clearone-conferencing.com	UCA202
Conference Phone	Konftel	300	\$899.99	www.konftel.com	Not Required
Microphone Ext	Konftel	300 (accessory)	\$219.95	www.konftel.com	NA
Wireless Mic Kit	Revolabs	Fusion 8	\$5,403.00	www.revolabs.com	iMic

Conclusion

We hope this information has helped you to customize the audio experience in your Vidyo conferences easily and cost effectively. For more information or additional ideas on how to get the most out of your VidyoRoom system, please contact your local Vidyo sales engineer.

For more information: www.vidyo.com/1.866.99.VIDYO