

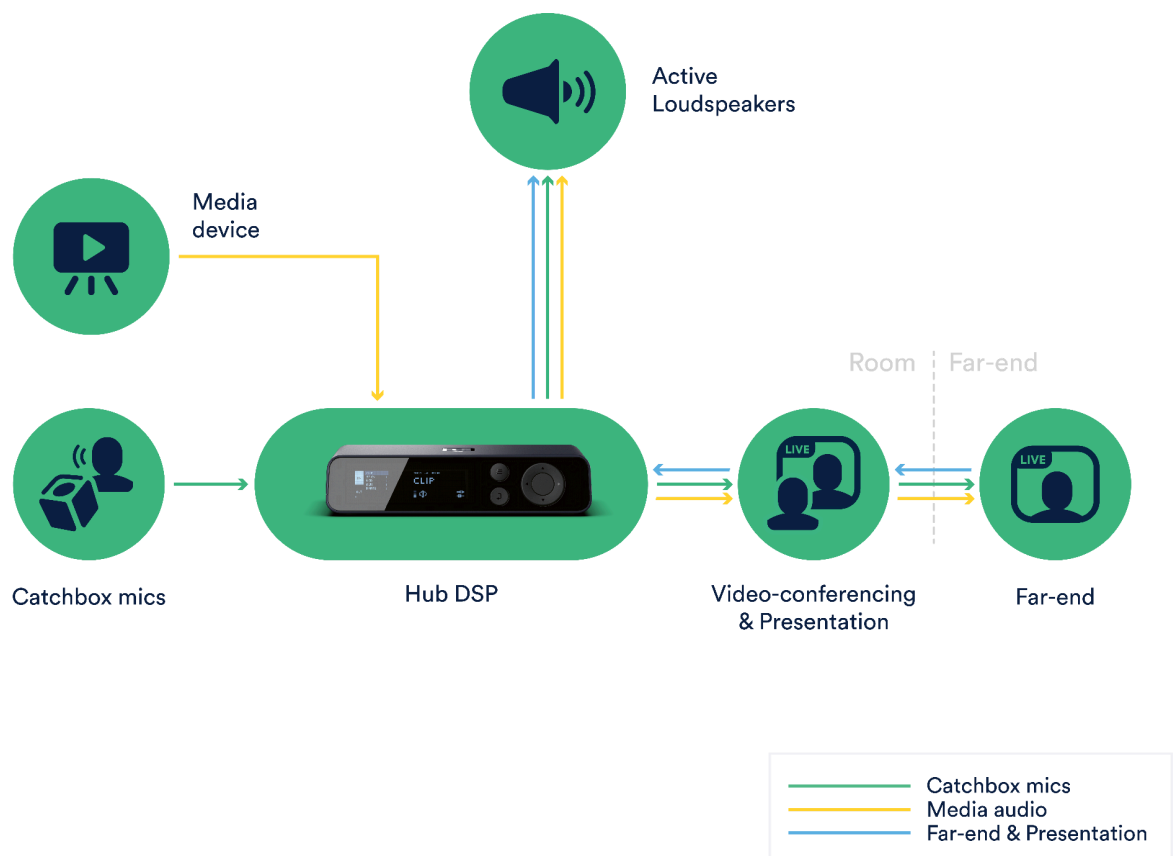


Catchbox Plus for video-conferencing with analog media device and loudspeakers

*Analog media device - tablet, mobile phone, DVD player, etc with an analog audio output port.

What will you get?

- All audio flows mixed and managed from Catchbox Hub DSP
- Catchbox mics, media audio and far-end audio amplified in the room
- Catchbox mic audio and media audio mixed and sent to far-end





What will you need?

- Catchbox Plus system with microphones
- Media device with analog audio output
- Video-conferencing computer (USB Audio connection to Hub DSP)

Step-by-step instructions

1. Ensure all Catchbox mics are paired with the Hub.

- 1.1. In most cases, the mics are pre-paired before shipping. However, if pairing is required, follow the instructions in this [Knowledge Base article](#).

2. Connect the cables

- 2.1. Connect Catchbox Hub DSP to your video-conferencing computer using the included USB-C cable. It'll provide power to the Hub DSP and send two-way audio to the computer.
- 2.2. **Active loudspeakers** - use appropriate cables to connect your active loudspeakers to "3-PIN L" (Left) and 3-PIN R" (Right) outputs. If necessary, use Catchbox XLR-3PIN Output Adapters (purchased separately).
- 2.3. **Media device** - use appropriate cable to connect your media device to the 3-PIN FLEX 1 port (balanced audio). If necessary, use Catchbox XLR-3PIN Input Adapters (purchased separately).

Note: for stereo audio applications you can use two inputs by repeating the above step with FLEX 2 port.

- 2.4. Alternatively you can connect your media device to the AUX IN input port (3.5mm stereo connector).



3. Configure your Catchbox Hub DSP

- 3.1.** Set Hub DSP to operate in “Speakerphone mode”. It’ll set USB audio to be recognized as both “Microphone” and “Loudspeaker” on the video-conferencing computer.

GLOBAL SETTINGS → SYSTEM → USB DEVICE MODE →
SPEAKERPHONE

- 3.2.** Configure FLEX ports to operate as inputs

GLOBAL SETTINGS → SYSTEM → FLEX MODE → INPUT

- 3.3.** Configure FLEX 1 port to MEDIA MODE

OUT → FLEX → FLEX 1 → CHANNEL SETTINGS → MEDIA MODE

NB! It is recommended to route the media signals to bypass the Automixer (MEDIA MODE). If your external device is a microphone, it is recommended to route it via the Automixer (MICROPHONE MODE).

- 3.4.** Configure audio mix for video-conference on USB OUT

OUT → MIXOUT → USB OUT → CHANNEL SETTINGS → MIX
CONFIGURATION →
→ MIC 1-4 ENABLED
→ FLEX IN 1 ENABLED

or

→ AUX IN ENABLED



NB! Set all other signals to DISABLED.

3.5. Configure audio mix for loudspeakers on MIXOUT 3-PIN

OUT → MIXOUT → 3-PIN → CHANNEL SETTINGS → MIX
CONFIGURATION
→ MIC 1-4
→ USB-IN ENABLED
→ FLEX IN 1 ENABLED

or

→ AUX IN ENABLED

NB! Set all other signals to DISABLED.

4. Configure your video-conferencing computer

- 4.1.** In the computer's audio settings select "Catchbox Hub DSP" as a source of "Microphone" and "Loudspeaker" (depending on the OS).
- 4.2.** In the video-conferencing platform's audio settings select "Catchbox Hub DSP" as a source of "Microphone" and "Loudspeaker" (depending on the platform).



Wiring and mix diagram

