

# AudioBridge

1.

4 x Control Voltage Out + 4 x LED

Each of the four control-voltage outputs corresponds to a frequency band (A, B, C, and D). Each band represents the average of four frequency spectra within that range.

Output voltage varies between 0 and 5V.



2.

Audio

The AudioBridge module accepts either a mono or stereo signal at the Audio In jack. The input signal can be passed on to other modules through the Audio Thru output. The Response dial adjusts the input level used for FFT analysis (the energy/height of the FFT bars on the display).

3.

HDMI

AudioBridge includes an HDMI (High-Definition Multimedia Interface) output, which is uncommon in Eurorack modules. The onboard Raspberry Pi Pico 2 generates a 320x240 video signal that's sent directly over HDMI, allowing the module to feed a monitor, capture device, or video mixer without any adapters or extra hardware.

4.

2 x Encoder/Push Button + Toggle Switch

The left and right encoders are used to navigate the module's menus. The toggle switch provides quick locking and panning of the A, B, C, and D frequency bands.

