

USB-Duo



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Thank you for purchasing an Audiofrog USB-Duo!

Overview:

The USB-Duo has been designed to provide high quality stereo recording when using prepolarized condenser (electret) microphones. A bias voltage of 2.7 VDC is provided on the microphone inputs. Typical input and output frequency response is 20Hz - 20kHz (+0, -0.5 dB). USB-Duo can be used with Macs and PCs, tablets and phones. USB-Duo uses the standard USB audio driver and no additional app is required to use the device. A USB-C to USB-A adapter is included.

Specifications:

Frequency Response: 20Hz-20kHz, +0,-2dB (+0,-0.5dB typical).

Maximum Output Voltage: 500mV

ADC Sample Rate: 44.1kHz - 48kHz, 16 Bit

DAC Sample Rate: 44.1kHz - 48kHz, 16 Bit

THD + N: $\leq 0.01\%$

Power Supply: 5 VDC, 100 mA

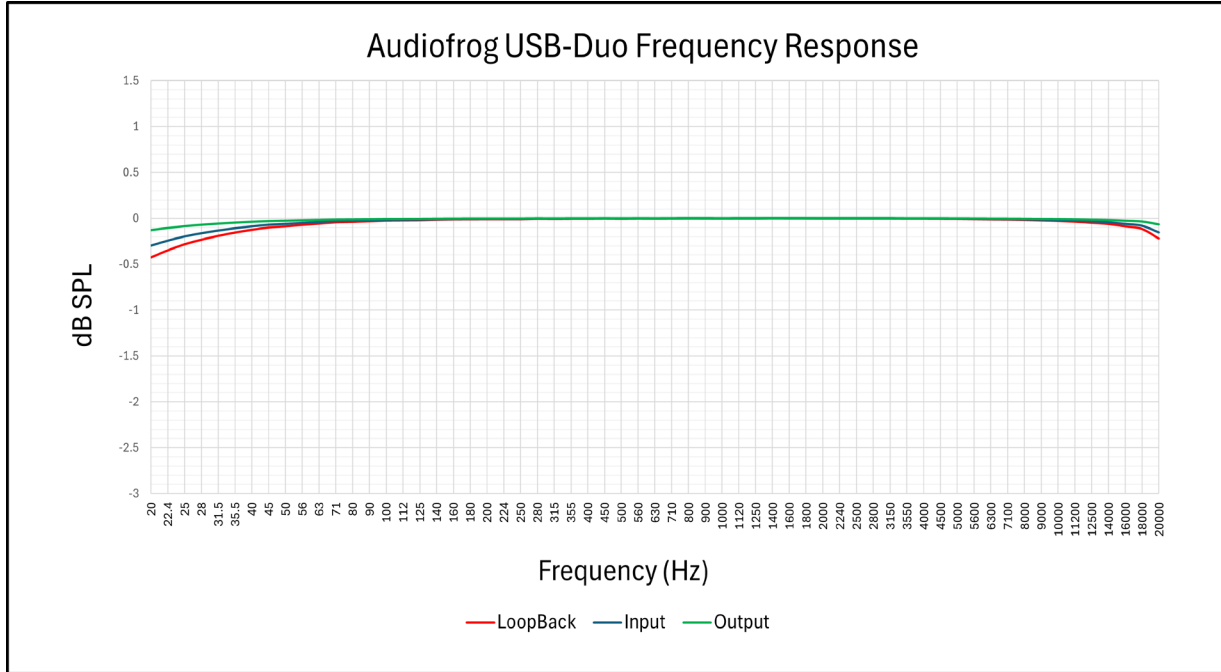
Microphone Gain (Software): 0-30 dB

Microphone Bias Voltage: 2.7 VDC

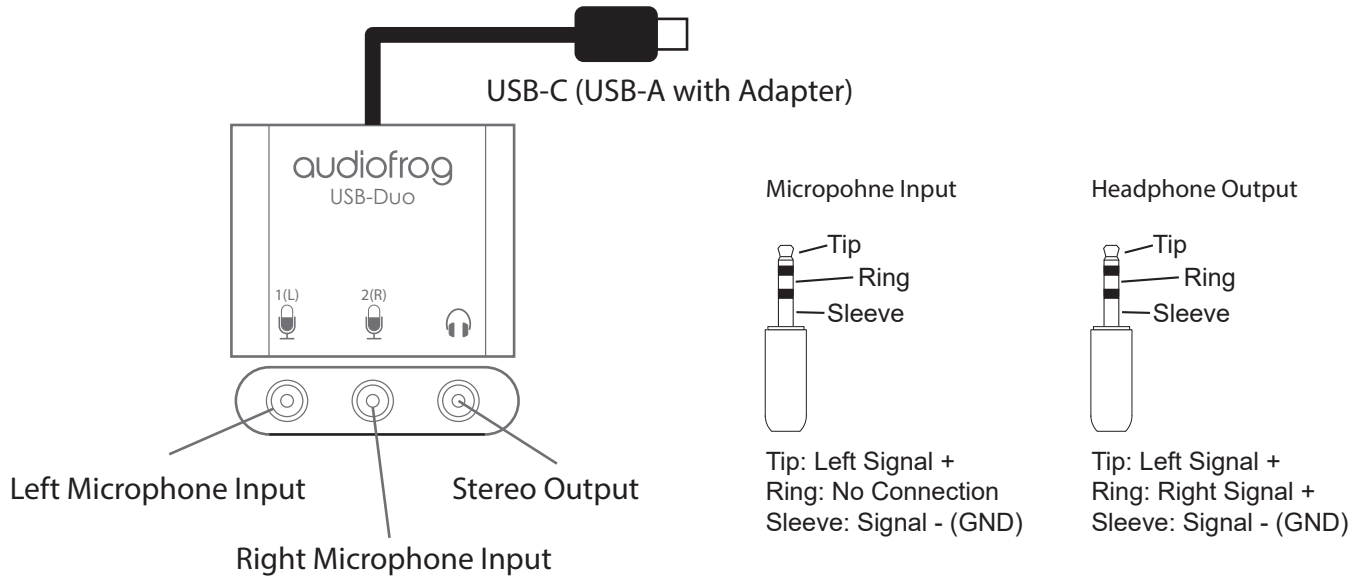
Microphone Input Pin-Out: Tip: +, Ring: -

Headphone Output Pin-Out: Tip: L+, Ring: R+, Sleeve: - (GND)

USB-Duo



USB-Duo Connections



USB-Duo

Setup

USB-Duo should work with any device or program capable of using a standard USB sound card for recording or audio analysis. For setup details, you may need to consult the user guide for your device or your software.

Windows PCs: Plug the USB-Duo into the USB-A or USB-C connector. Use Windows sound settings (accessible through the taskbar at the bottom left) to set input and output levels. For more complete control, go to the Windows Control Panel > Sound > Playback > Audiofrog USB-Duo to set parameters for the audio output. Go to Control Panel > Sound > Recording > Audiofrog USB-Duo to set parameters for the microphone input.

MAC: Plug the USB-Duo into the USB-A or USB-C connector. Access your MAC's sound settings by choosing the Apple Menu > System Settings > Sound (you may need to scroll). Choose the Audiofrog USB-Duo to set volume level, balance and other available options.

IOS: For iPhones and iPads that include a USB-A or USB-C connector, plug the USB-Duo into that connector. For IOS devices that only provide a lightning connector, you will use the camera interface connector. Many other USB-C to lightning adapters do not provide access to the audio stream from accessory devices. Go to Settings > Accessibility > Audio & Visual to adjust the volume and other available parameters.

Android Devices: Plug the USB-Duo into the USB-C connector. Open the audio app you wish to use, choose the USB-Duo if it is not automatically chosen and set the necessary parameters in the audio app.

Limited Warranty--USA

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