

Pro Audio Solutions

USB-C to Audio Direct Box

User Manual



PAX-USB



Thank you for choosing Kopul.

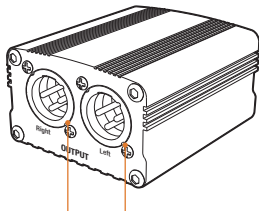
The Kopul PAX-USB is a passive direct box that's powered by your computer's USB port. It converts your computer's digital audio to a balanced analog signal that can be sent to a PA system or a broadcast or mixing console. This plug-and-play device is simple to connect to your system and it gives you the option of outputting a stereo or two-channel mono signal.

Transformer-isolated balanced stereo XLR outputs and high-resolution digital-to-analog converters deliver superior sound quality that's free of noise, RF and EM interference, and ground hum.

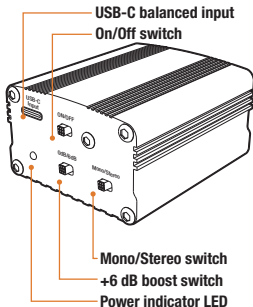
Precautions

- Please read and follow these instructions and keep this manual in a safe place.
- Exposure to high sound levels can cause permanent hearing loss. Avoid listening at high volumes for extended periods of time.
- Keep this product away from water and any flammable gases or liquids.
- Clean this product with only a soft, dry cloth.
- All images are for illustrative purposes only.

Overview



**Right and Left
3-pin balanced XLR output**



Also Included:

USB-C to USB-C cable

Making Audio Connections

Computer and Smartphone Audio - USB

Before making any audio connections, make sure your computer or phone audio is not playing, and the audio system's volume is turned down.

Use the included cable to connect the PAX-USB to a computer or smartphone.

If your computer has only a USB-A port available, use a USB-C to USB-A cable to make the connection.

The power indicator will illuminate when the connection is made and the PAX-USB is ready to use.

Analog Audio - XLR

Use balanced 3-pin XLR cables to output the analog audio signal from the PAX-USB to a PA system, mixing console, or recorder.

Computer Audio Settings

To route your computer's audio to the PAX-USB, follow these steps.

Windows Computers

1. Open Settings.
2. Select System from the Settings menu.
3. Select Sound from the System menu.
4. Under Output, click on the drop-down menu and select USB Audio Device.
5. Close the Settings window.

Mac Computers

1. Open System Preferences
2. Select Sound Preferences.
3. Click on Output and select USB Audio Device.
4. Close the System Preferences window.

The Stereo/Mono Switch

Mono

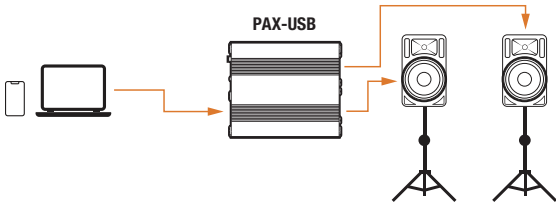
Select Mono to sum the incoming stereo signal to mono. The PAX-USB outputs two mono channels. This is useful if you're using only one PA speaker, simultaneously sending the signal to two separate audio systems, or using two PA speakers placed far apart.

Stereo

Select Stereo to output the audio on two channels. This is ideal for outputting a stereo mix or two discrete channels to two channels on a recorder or mixing board.

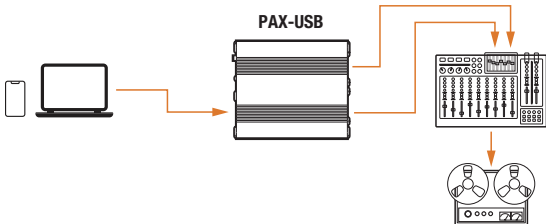
Connecting the Audio Signal to a PA System

Use the PAX-USB to send your device's audio to a PA system.



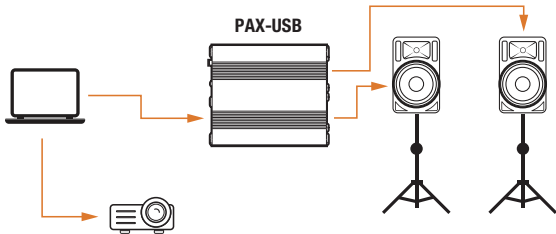
Using Computer/Smartphone Audio for Recording

Send prerecorded or sequenced tracks to a mixing board or recorder.



Adding Computer/Smartphone Audio to a Video Presentation

Use the PAX-USB to add narration or dialog to your video presentation.



Specifications

USB	2.0
Frequency Range	20 Hz to 20 kHz
Dynamic Range	92 dB
Sample Rate	48 kHz
Bit Depth	16 bit
Input Connectors	USB Type-C
Output Connectors	3-pin XLR male (×2)
Output Impedance	600 Ω

Maximum Output (with +6 dB boost)	+14 dB
Signal to Noise Ratio	90 dB (-3 dB) @ 1 kHz
Attenuation Switch	No
Stereo/Mono Switch	Yes
Power Requirements	4.5 to 5.5 V
Dimensions (L x W x H)	3 x 2.5 x 1.5 in. (7.6 x 6.3 x 3.8 cm)
Enclosure	Metal
Weight	0.4 lb. (181 g)

One-Year Limited Warranty

This KOPUL product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Kopul Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Kopul along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.kopulcables.com or call Customer Service at 212-594-2353. Product warranty provided by the Gradus Group. www.gradusgroup.com

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