



OUTPUT BUS USER MANUAL

“Hello, I’m Ben DivKid and thank you for purchasing (or at least taking the time to read this manual) the OUTPUT BUS! In this manual we’ll go through what the OUTPUT BUS is and all of its features... so let’s dive in!”



BEFACO

POWERING THE
MODULE

THANKS FOR PURCHASING A MODULE FROM DIVKID & BEFACO!
BEFORE YOU PLUG THIS MODULE IN...

1. Disconnect your cabinet from the mains.
2. Triple check the power cord polarity. The coloured line on the cable (pin number one) is the -12V rail.
3. If you plug the module backwards you might burn it out and unfortunately this is not covered by the warranty.
4. If you have any questions about this product feel free to contact us support@befaco.org



INTRODUCTION | WHAT IS THE OUTPUT BUS?

The OUTPUT BUS is a module that aims to provide solutions to mix and output issues along with quality of life patching for your Eurorack system.

Many of us have ran out of mixer channels before, need to bring in that extra stereo FX returns, blend in some line level gear, or simple output appropriate signals on the right cable types to work with other gear whether at home, on stage or in a studio.

The OUTPUT BUS is many things in a simple to use 8HP package. It's a summing mixer, LED meter, soft clip limiter, stereo line level integrator, pro audio balance line level output stage, and headphone monitor section.

Ideas for the OUTPUT BUS go right back to the design stage of the STEREO STRIP module, where we had wild dreams of making our own modular mixer to bring lots of channel strips together for a comprehensive modular mixer set up. We quickly realised that the power of something like the OUTPUT BUS and STEREO STRIP would be to keep the summing stage separate, rather than as a specific expander, to allow for anyone to use mixer modules, channel strips, FX returns etc to build their own dream mixer and output stage.

1. INPUTS

Here we have 6 stereo or mono (patch into left only for mono) inputs that will sum together to create our mix. Perfect for adding extra channels to your existing mixer, or using various modules to build your own dream mixer.

2. LINE SWITCH

For the bottom input you can select line level or modular synth level. The line level switch boosts the level of external gear to integrate that into your modular mix. This is great for returning pedal or desktop FX units, or mixing in external instruments.

3. LEVEL KNOB

Use the big red level knob to control your output volume. The inputs are summed and the level is controlled by this level control. Note this doesn't have to be up full, use your ears and the LED meter to adjust your levels accordingly. The main output also features a soft clip limiter, this provides protection for your output and other gear, through subtle character with added weight through to more obvious saturation. Adjust the level knob to go from clean mixes to limited more characterful sound.

4. LED METER

The LED meters will dance around with your mix. While this is nice eye candy, it's also good to visualise your levels quickly with the 0 marking giving an indication of good levels.

5. MODULAR OUTS

These outputs are your left and right stereo audio from the summed mix of the inputs. These are at modular level, allowing you to stick within a modular system rather than outputting to other gear.

6. LINE OUTS

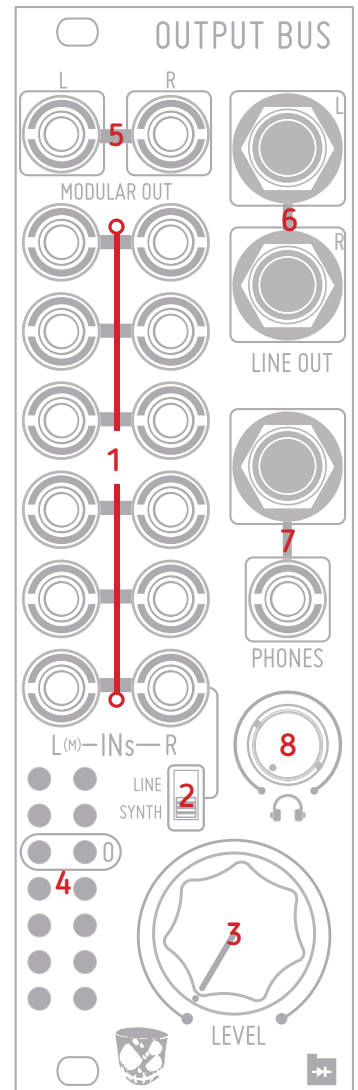
These are pro audio balanced line level outputs on TRS 1/4" sockets. Use these to output your modular system.

7. HEADPHONE OUTPUTS

Here you'll find two headphone outputs. Both a 3.5mm stereo connector and a 1/4" connector. Perfect for when you (inevitably) lose your headphone adapter, or use both if two people need to monitor the mix in headphones.

8. HEADPHONE LEVEL

This is the headphone volume control. There's lots of level to drive various headphones and it's controlled entirely independently of the main output. Allowing you to monitor your system regardless of the main modular and line outs, which can be turned off on the big red level knob they become attenuators of the incoming voltage.



MISCELLANEA | SPECS AND CREDITS

Size: 8HP

Depth: 30 mm

+12v: 70 mA

-12v: 68 mA

Ben (DivKid) would like to thank Befaco for all their hard work, love and care that it takes to bring an idea to life. They continue to be a fantastic team to work with and continue to provide inspiration for sound manipulation and music making with their own designs too. While we don't know what it is yet, I'm sure we'll see further collaborations in the future too.

Designed with care and love by the Befaco Team in Barcelona 2023.

* 300mW Headphone amp
(@200Ω impedance)

* +4dBu Line Out
(Impedance Balanced).