

Revision: rev.2 (mkII)

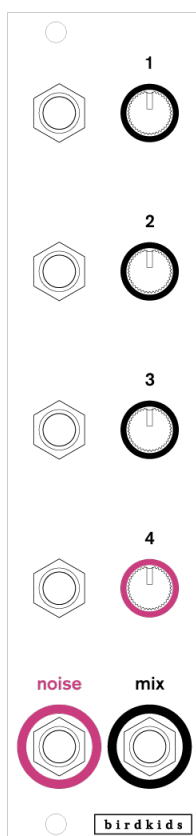
Short Description: 4-to-1 Audio Signal Mixer (DC coupled) with a Transistor-based, white noise generator source.

Width: 6HP (3U)

Maximum Depth: 20mm


Power Consumption: 30mA @ 12V

20mA @ -12V



Input	Function	Representation	Range	Characteristic	Short explanation
input 1	Audio Input Jack, Audio signal.		-10V to +10V	DC coupled.	Input Audio signals for summing 4-to-1. Use according input level control to set desired mix-gain. Saturates beyond 10V.
input 2	Audio Input Jack, Audio signal.		-10V to +10V	DC coupled.	Input Audio signals for summing 4-to-1. Use according input level control to set desired mix-gain. Saturates beyond 10V.
input 3	Audio Input Jack, Audio signal.		-10V to +10V	DC coupled.	Input Audio signals for summing 4-to-1. Use according input level control to set desired mix-gain. Saturates beyond 10V.
input 4	Audio Input Jack, Audio signal.		-10V to +10V	DC coupled.	Input Audio signals for summing 4-to-1. Use according input level control to set desired mix-gain. Saturates beyond 10V.

Output	Function	Representation	Range	Characteristic	Short explanation
noise	White noise, transistor based.		-5V to +5V	audio output	Transistor-based, white noise generator output. Normalized to input 4.
mix	Main Mix output, audio signal.		-10V to +10V	audio output	Summing of Audio input 1-to-4 unity gain @ fully CW (out=in1+in2+in3+in4)

Control	Function	Representation	Range	Characteristic	Short explanation
input gain 1	Attenuator for Audio input signals.		-inf to 0dB	logarithmic	Sets gain within the Summing stage for individual Audio input signals.
input gain 2	Attenuator for Audio input signals.		-inf to 0dB	logarithmic	Sets gain within the Summing stage for individual Audio input signals.
input gain 3	Attenuator for Audio input signals.		-inf to 0dB	logarithmic	Sets gain within the Summing stage for individual Audio input signals.
input gain 4	Attenuator for Audio input signals.		-inf to 0dB	logarithmic	Sets gain within the Summing stage for individual Audio input signals. Noise generator normalized to input 4 by default.

IMPORTANT! The module can be powered by any bus-board providing sufficient current on the EURORACK standardized 12V rails using a standard 16PIN Flat-Ribbon connector.

Red stripe = -12v

Misalignment or misorientation of Flat-Ribbon connector might damage the unit!