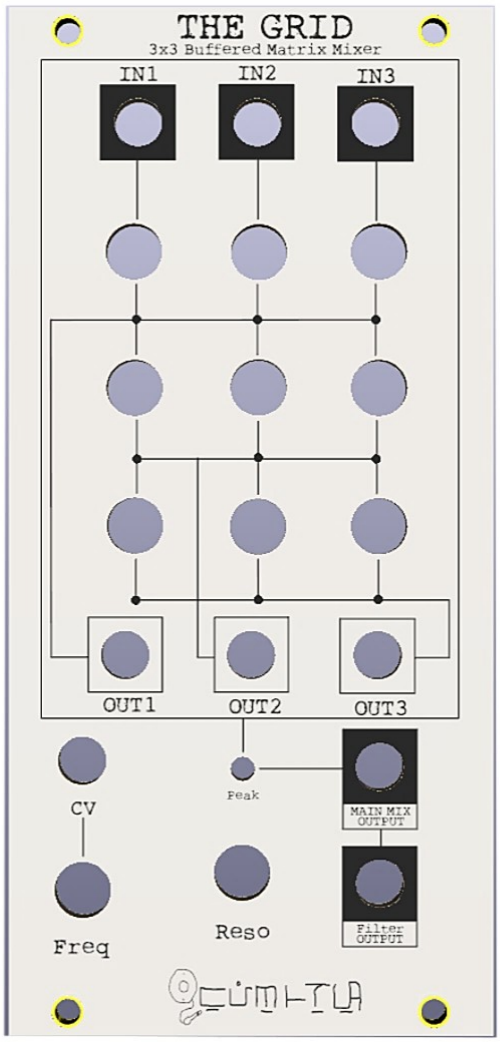
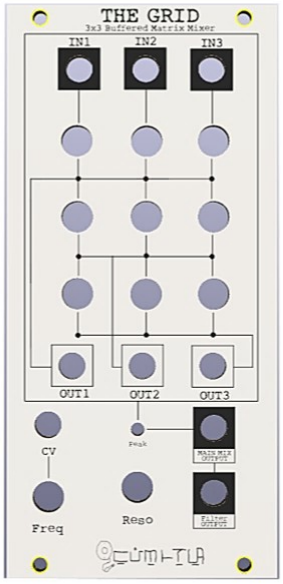
THE GRID

3x3 Buffered Matrix Mixer



USER MANUAL



THE GRID

3x3 Buffered Matrix Mixer

The Grid is a utility tool inspired by passive matrix mixers, commonly used in the noise scene and experimental performances. It features an active 3x3 matrix mixer with a resonant cutoff frequency filter and two main outputs: Main Mix Out and Filter Out.

The Grid functions as a three-channel audio mixer with extensive interconnectivity, making it ideal for signal routing, feedback looping, and sound layering.

Specifications

Power Consumption:
* +12V / 39mA peak
* -12V / 0mA peak

Size:
* 12HP width
* 36mm depth

Power Connection:
* 10-pin (2x5) power header

CONTROLS

Matrix Mixer:

Inputs - Three buffered audio inputs. Accepts audio signals to be mixed and routed through the matrix mixer.

Knobs - Nine knobs controlling the matrix mixer. Each column of three knobs corresponds to one channel and is interconnected internally.

Outputs - Three unbuffered outputs, one for each matrix output.

Main Mix Output - The main output combining all three unbuffered outputs from the matrix mixer.

Filter:

Freq (Cutoff Frequency) - Attenuates higher frequencies, determining how much of the high-end is removed from the signal.

Reso (Resonance) - Applies a boost around the cutoff frequency, emphasizing certain harmonics and creating a sharper, more pronounced filter effect. High resonance settings may introduce ringing or self-oscillation, commonly used in synthesizers and sound design.

CV (Control Voltage) - Control voltage input for modulating the cutoff frequency. Use a gate, envelope, or LFO to control this modulation.

Filter Output - Output of the filtered signal from the Main Mix Out of the matrix mixer.

REMINDER:

*For safety, turn off the power of your modular system first before connecting this module to the bus board.

*Double check the polarity of the ribbon cable. The red line should match the -12V rail both on this module and on the bus board.

*Although I put protections for the circuits in this module, i do not take any responsibility for the damages caused by wrong power supply connection nor application.

*Use only the required power supply voltages and polarity. Double check everything, turn on your modular system, test the module, and enjoy! d[o-o]b

LESS
DRAMA
MORE
GIZMO
d[o-o]b

NOISE