

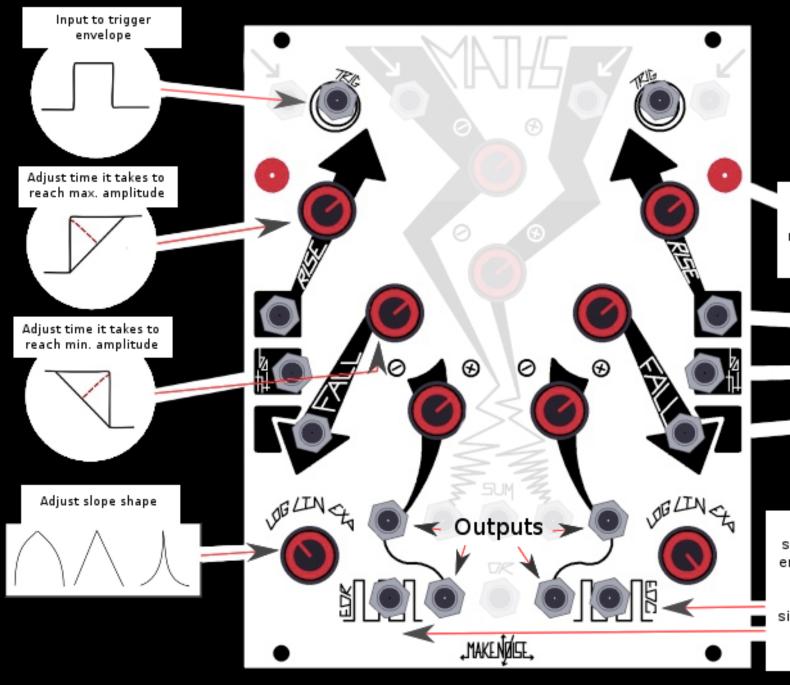
MATHS as a slew limiter

Channels 1 & 4

CV inputs to control rise or fall time, or both.

End of cycle output: gate signal outputs at end of full envelope cycle of Channel 4

End of rise output: gate signal outputs at end of rise phase of envelope on Channel 1



MATHS as an attack-decay envelope generator

Channels 1 & 4

Press the red button to trigger an envelope repeatedly, no input trigger required

> CV inputs to control rise or fall time, or both.

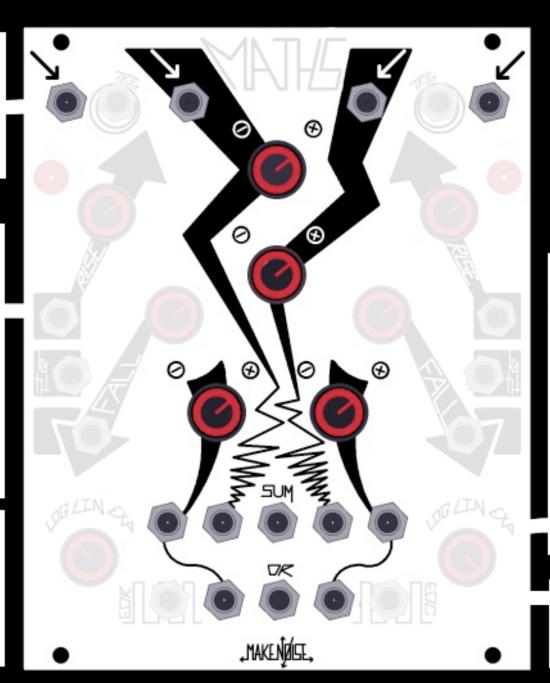
End of cycle output: gate signal outputs at end of full envelope cycle of Channel 4

End of rise output: gate signal outputs at end of rise phase of envelope on Channel 1 The four jacks at the top of MATHS marked with arrows are inputs, and they can take any audio or control signal

The four knobs with ⊘ ⊗ symbols on either side are gain knobs for each channel

When a knob is turned fully clockwise, the signal will be at its full amplitude, when it is turned fully counter-clockwise, it will be at its full amplitude but its polarity will be inverted. Channels 2 and 3 give the signal a bit of extra gain at maximum levels.

When MATHS is used as a mixer, signals can be added or subtracted from each other by adjusting the polarity of the gain knobs



MATHS as a bipolar mixer

These lines point to
the individual outputs of each
channel. When a cable is plugged in
to any of these four outputs, the
signal is removed from the
summed output.

The SUM output combines the signals of the four channels, except for any of the signals that have been removed at their individual outputs.

The OR output is the positive signal (0 to +5V) from the SUM output. It can be used as a halfwave rectifier.

These lines point to multiple outputs of channels one and four. The SUM output is not affected when a cable is plugged into these outputs.

When nothing is connected to the inputs of channels 2 and 3, the channels output a fixed voltage dependent on the level of the gain knob for each channel

