

# *Magwitch Modular*

## *Mutota*

### *Eurorack Module*

#### *User Guide*



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# Specification

<b>Width</b>	10 HP
<b>Depth</b>	25 mm
<b>Power 12V</b>	+19 mA, -12 mA
<b>Power 5V</b>	0 mA
<b>Channels</b>	4
<b>Inputs per channel</b>	1 CV, 1 signal
<b>Outputs per channel</b>	1
<b>Channel Normalisation</b>	1 into 2, 2 into 3, 3 into 4
<b>Input Signal</b>	-5V to +5V
<b>CV Signal</b>	0V or +5V

## Usage

Mutota is a four channel “soft mute” module. You connect a signal to a channel input and connect the corresponding output to a destination, and then either use the toggle switch or CV input for that channel to turn the signal on or off.

0V on the CV input will mute the channel, 5V will un-mute it. The CV channel and switch state are combined in “or” fashion – if either is on, the channel will be un-muted.

To make the fade “soft” and avoid clicks or pops, Mutota will quickly fade the channel in or out when turned on or off. This fade takes about 15 to 20 milliseconds.

Mutota is best used for audio signals, but will also work for trigger, gate and CV. It is not recommended for pitch CV, as the automatic fade will lead to fast rises or drops in pitch.

## Normalisation

The channels are normalised from lower numbered channels into higher numbered channels. So if you just connect a signal to just channel 1, you can independently route it to outputs 1 to 4 via the mute controls. Or with signals connected to channels 1 and 2 allows you to have two different routing destinations for each input signal.

## Panel

The Mutota front panel is double-sided. One side has the inputs and outputs at the bottom of the module, the other side has them at the top. This allows you to configure it to suit how you want to connect the signals. It may be more convenient to access the mute switches at bottom of your module if your audio path modules are located above the Mutota, for example.

Note that when reversed, the channels are normalised in the opposite direction (higher numbered channels into lower numbered channels).