Sosumi is a dual Low Pass Gate based on Buchla 292 design. It features two identical mild non-resonant circuits which utilize vactrols in order to provide simultaneous control over the Amplitude and Frequency of the input signal. Due to the nature of vactrols though each channel and each Sosumi will sound slightly different. Also, vactrols are handmade in order to achieve an ideal response. Sosumi excels in creating organic plucky and percussive sounds from harmonically rich sounds!

Features:

- *Two Low Pass Gate channels utilizing vactrols .*

- *Ping input for striking the vactrol gate and creating accents.*

- *Handmade Vactrols!*

Tech Specs:
Depth: 25mm, Skiff Friendly!
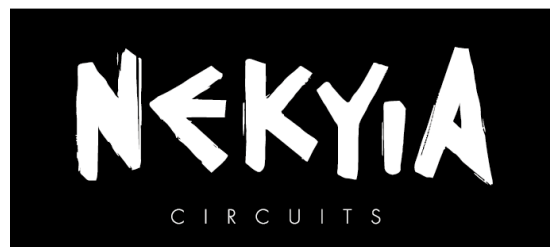Power: 15mA @+12V / 15mA @-12V
Reverse polarity protected!
4hp

Installation
Before installing this module disconnect the power from your system! Double check the polarity of the ribbon cable! The red stripe should be aligned with the -12V rail, on both the module (white bold line) and on the bus board.

User Guide:

A. Channel 1 input signal.

α. Cv input signal indicator.

1. Trigger input for striking the vactrol gate.

2. Control voltage input for controlling the vactrol gate.

3. Channel 1 output signal.

B. Channel 2 input signal.

β. Cv input signal indicator.

4. Trigger input for striking the vactrol gate.

5. Control voltage input for controlling the vactrol gate.

6. Channel 2 output signal.

Tips & Tricks

- Low Pass Gates are typically used to process audio signals. Sosumi excels at processing harmonically-rich sounds.

- When the *CV* input is fed by short/fast envelopes, it briefly increases the amplitude and cutoff frequency which results in organic bongo-like sounds with a natural decay response. By sending another trigger in *Ping* input you can create very interesting tonal and rhythmic variations.

- By utilizing Sosumi in a sequencing patch, the *Ping* input may act as an Accent parameter.

- We thoroughly test our vactrols but due to their nature some variability on attack and decay times will certainly occur between each Sosumi.

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