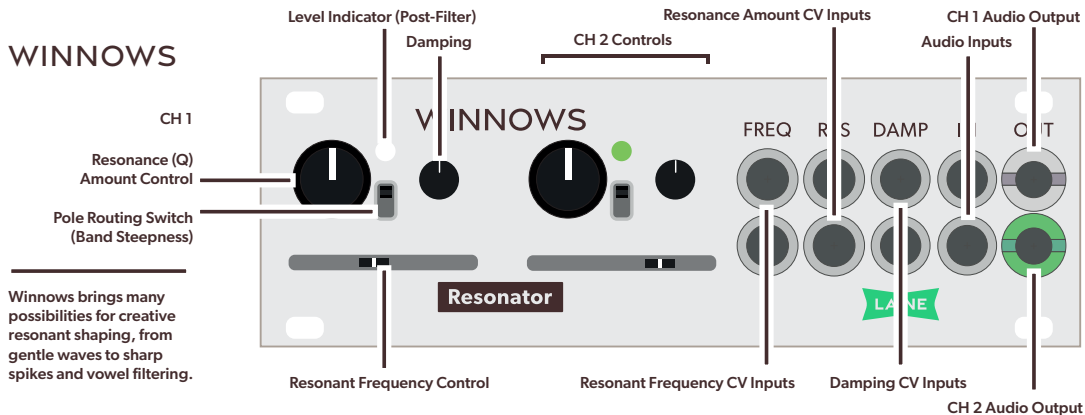


WINNOMS



Winnows brings many possibilities for creative resonant shaping, from gentle waves to sharp spikes and vowel filtering.

Operation

Each channel filters and boosts around a central resonant cutoff frequency, with variable steepness, damped by low pass filters. The audio inputs can be routed to give a wide or steep response depending on how many filter poles they pass through.

Pole Routing Switches

Wide Response

Switch in the lower position
2-Pole BP + 3-Pole Resonance
damped by 1-Pole LP

Steep Response

Switch in the upper position
Wide response into 2-Pole BP
+ 2-Pole Resonance damped
by 1-Pole LP

Central Frequency

The central resonant frequency of the band-pass filters for each channel are controlled by horizontal slide potentiometers. The damping cutoff is independent to these and can be used to control any harshness from the band-pass filtering.

Resonance

The resonance (or Q) amount can be adjusted by the larger round channel potentiometer, with the highest resonance occurring at the fully clock-wise position. Self-oscillation with up to a one second decay envelope will occur near this point.

CV input levels are 0-8V, Audio inputs expect 10VPP

Latest user manual and product support:
www.laine.uk