

äradh Transistor Ladder Filter

Pre/Post Switch ——

The **Pre/Post Switch** configures the internal routing of the VCA in relation to the low pass filter.

In its upward position, the VCA is routed after the low pass filter, similar to a traditional east coast synth voice.



In its downward position, the VCA is routed before the low pass filter.



Strike Envelope ——

Rising edge signals present at the **Strike Input** will trigger the decay/impulse envelope which modulates both the cutoff frequency of the low-pass filter and the amplitude of the VCA.

This can create a low-pass gate style effect with the transistor ladder filter.

The **Decay Knob** controls the decay time of the envelope.







Primary CV Assignment ——

CV can be assigned to multiple parameters simultaneously. Press the **CV Assign Button** to set primary user-defined parameters.

(Primary user-defined parameters can work simultaneously with the secondary user-defined parameters.)



Unilluminated
No Parameter



White VCA



Amber Cutoff Frequency



White/Amber
VCA + Cutoff
Frequency

Secondary CV Assignment

To set secondary user-defined parameters, press and hold the CV Assign Button (1) and tap the Strike Button (2) 4 times. With the CV Assign Button still held down subsequent Strike Button taps will cycle through the four secondary parameters.



Unilluminated No Routina



Blinking White Resonance





Blinking Amber

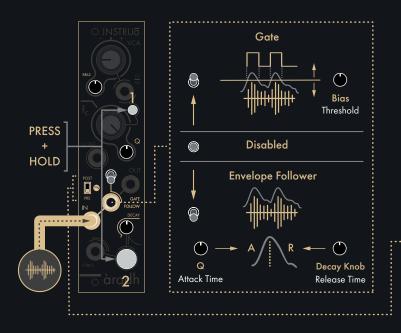
Impulse Envelope Decay



Blinking White /Amber Resonance + Envelope

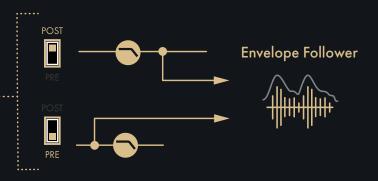
Decay

Envelope Follower & Comparator ——



Press and hold CV Assign Button (1) and Strike Button (2) to access alternate parameters.

BIAS	O °	DECAY	POST PRE
Gate Threshold	Envelope Attack Time	Envelope Release Time	Envelope Follower signal source (pre/post filter)



Compressor Patch ——

The ratio of compression is defined by a combination of the threshold and make-up gain parameters.

