Free Modular

Envelope

This is a simple but powerful multi-mode envelope generator. It has 4 modes: a traditional ADSR, a simple AR with tunable curves, and two looping modes.

LEDs

LEDs show a which phase the envelope is currently in. The illuminated colors correspond to which knob(s) are controlling the behavior of the envelope at any given moment.

Mode Select

Cycle through four modes. LEDs will briefly indicate which mode is selected.
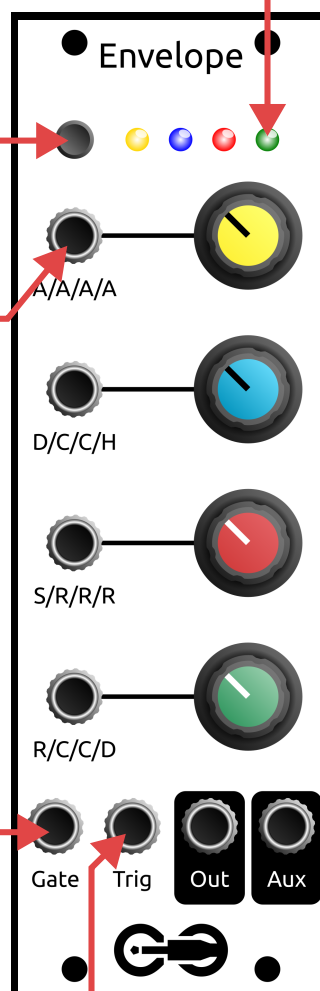
CV Inputs

Four control knobs with CV inputs [0-5V]. Labels indicate which parameter each input controls in each of the four modes.

Gate

The main way to trigger the envelope. The rising edge jumps to the attack phase, the falling edge goes to decay. In loop modes, prevents looping.
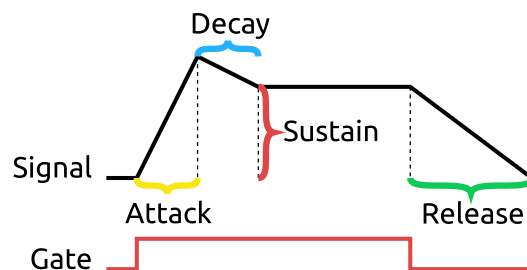
Trigger

In ADSR mode, the Trig input pings the envelope by soft-returning to the attack stage. In ACRC mode, Trig triggers a full cycle of the envelope. In looping modes, Trig hard-syncs the loop.
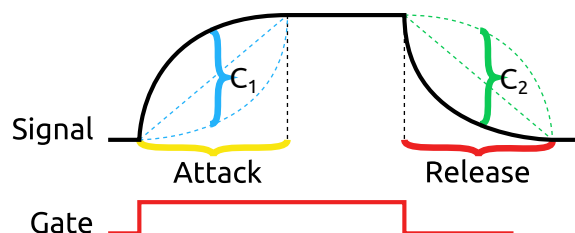
Envelope

A/A/A/A

D/C/C/H

S/R/R/R

R/C/C/D

Gate Trig Out Aux

ADSR Mode

This is the most traditional envelope mode. The four CV inputs control attack, decay, sustain, and release, respectively

ACRC Mode

Only attack and release are controllable. But, the curve (C) of each can be adjusted from exponential to linear to logarithmic.

ACRC Loop Mode

Exactly the same as ACRC mode except the attack and release stages loop right into each other with no delay between them.

AHRD Loop Mode

Attack and release are both linear in this looping mode, but there is adjustable delay (or hold) between each of them.