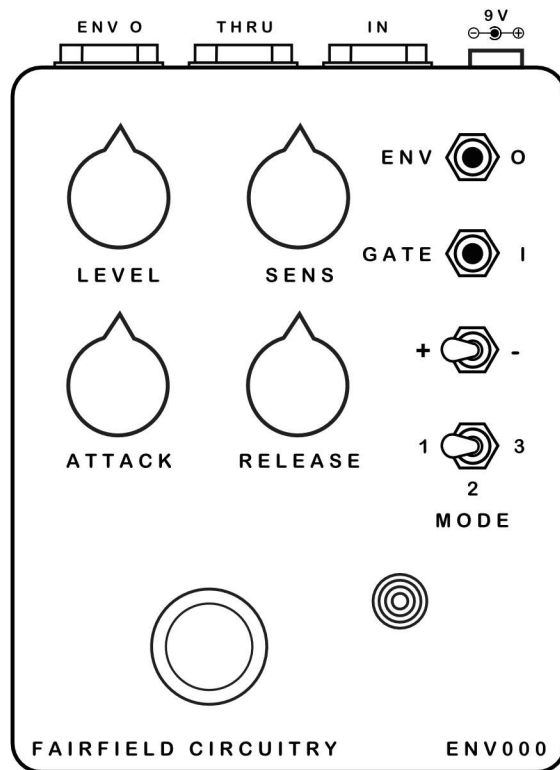


CONFLICT OF INTEREST

Envelope generator and follower



"We open in order to listen to the world as a field of possibilities and we listen with narrowed attention for specific things of vital interest to us in the world" - Pauline Oliveros

This pedal produces no sound. Instead, the signal passes through to generate a control voltage that can be used to breathe life into other pedals. The dynamics of your instrument translate to fluid and expressive movement.

Versatile CV source; envelope follower and generator, LFO, slew limiter
Compatible with either 1/8" or 1/4" expression/control voltage inputs

CONNECTIONS

1/4"

IN
Instrument input

THRU
Input/output, same as IN.
Convenient for patching Conflict of Interest anywhere in a signal chain.

ENV O.
TS CV output, 0-7V

1/8"

ENV O.
TS CV output, 0-7V

GATE I.
Gate input
In its default setting, it acts just like the button
If MODE is set to 2, the incoming signal is passed through to the follower, enabling you to slew CV signals.

CONTROLS

Level
Output signal level at both ENV. O jacks

Sens
Input sensitivity of the audio fed to the envelope follower, lots of available gain for instrument or line signals.

Attack
Sets the time it takes for the signal to rise

Release
Sets the time it takes for the signal to fall

+/- (Polarity)
Setting this to - inverts the polarity and adds an offset to the envelope

Mode
Controls the action of the button/gate input

- 1 - **Gated loop** - when the button is pressed down the envelope will cycle
- 2 - **One-shot** - Pressing the button sends a high signal to the follower
- 3 - **Loop** - The envelope is always cycling except if interrupted by the button

NOTES ON CYCLING

Conflict is seen as a natural part of human interaction and, when safely supported, is often viewed as healthy and creative. Conflict handled with grace and tenderness can create possibility and learning for all involved.

The input signal is always fed to the follower, even in the cycling modes. If the input signal becomes stronger than the low threshold necessary for the cycling to trigger again, the cycle will be momentarily interrupted; a conflict of interest arises.

Interesting interactions and wonky rhythms can be found by playing with the SENS control.

Lowering SENS all the way down mutes the input signal.

Conflict of Interest then acts as a steady LFO with separate rise and fall controls.

INTERNAL CONTROLS

There are two jumpers inside the pedal.

Gate/CV jumper

The GATE/CV jumper changes the interaction of the GATE I. input.

When it is set to GATE (0), the input acts just like the button, allowing sync/trig with external devices

When it is set to CV (1), the input is always fed to the follower, allowing slew limiting of CV signals and interrupting cycles just like audio would.

Its default position is GATE.

Rate jumper

The RATE jumper changes the timing capacitors of the envelope, in its default position (1), it can get nice and slow.

Setting this jumper to the opposite position makes the envelope slightly sharper and clickier; it also lets the cycling go further into audio range, making for some crunchy FM.

It is not advised, but there are apparently secrets to be found by removing this jumper entirely... tape it to the inside of the case so you don't lose it!

TECHNICALS

- thru bypass
- dimensions 4.7" x 3.8" x 1.9"
- CV output range 0 - 7V
- gate threshold ~1V
- power supply 9 - 9.6 VDC
- current draw 10mA @ 9.6 VDC

NOTES ON ATTACK AND RELEASE

The first setting pictured (attack a few degrees above its minimum, release around noon) is what we could call "standard" envelope follower behavior, should be snappy and funky.



ATTACK



RELEASE

funky?

Both knobs at noon gives a rather slow moving, smooth modulation.



ATTACK



RELEASE

slow mod

With attack very low, the control signal will be at it's snappiest but a bit "noisy" and wiggly; slowing down the release helps.



ATTACK



RELEASE

big drop

As attack increases, instruments with a short decay and more energy in the early transients (guitar, percussions) will struggle to open the envelope; sensitivity can be increased to remedy this.



ATTACK



RELEASE

wiggles

Instruments with lots of sustain (synths, voice, wind instruments) interact quite nicely with long attack times.

NOTES ON POWERING

Conflict of Interest was designed to operate using your typical centre negative, regulated 9 VDC power supply.

The pedal is protected against reversed polarity conditions.

Always check your power supply for proper voltage and polarity before connecting. There is no battery connection inside the pedal.

EXTENDED WARRANTY

Fairfield Circuitry will repair or replace any malfunctioning product for a period of 2 years after purchase date. Problems resulting from modifications or misuse may cancel this warranty. The owner will cover all shipping expenses.

In short, the best thing to do is to contact us as soon as possible with a description of the symptoms, even if the warranty is expired.