VC ADSR

BEFACO

P O W E R I N G   T H E   M O D U L E | T H A N K S   F O R   P U R C H A S I N G   A   M O D U L E   F R O M   B E F A C O !   B E F O R E   Y O U   P L U G   T H I S   M O D U L E   I N . . .

1. **Disconnect your cabinet from the mains.**

2. **Triple check the power cord polarity.** The coloured line on the cable (pin number one) is the –12V rail.

3. If you plug the module backwards you might burn it out and unfortu- nately this is not covered by our warranty.

4. If you have any questions about this product please send them to: befacosynth@gmail.com

I N T R O D U C T I O N | THE VC ADSR IS OUR TAKE ON THE CLASSIC ADSR: NOW SMALLER, MORE POWERFUL AND USER FRIENDLY.

This compact unit features voltage control for each stage with manual faders to improve usability, feel and aesthetics.

A unique feature of the VC ADSR is the gate outputs for each stage of the envelope offering an extra level of control over your patch!

Envelope generation can be triggered and controlled with the use of the panel mounted push button or with the trigger/gate input.
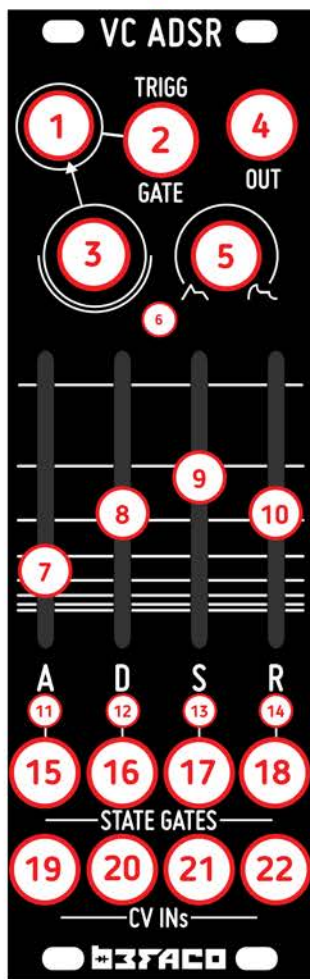
Control of the response curve between each stage of the envelope (from linear to logarithmic/exponential) is provided by a potentiometer.

For a visual demonstration of the module functions take a look at our demo video at: www.youtube.com/user/Befacosynth

TECHNICAL SPECIFICATIONS:
– Current requirements: +12V: 16mA, –12V: 8mA, +5V: 0mA

– Banana or mini-jack connectors available.

– 8 HP / 30 mm depth (inc power connector)

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3. MANUAL GATE/TRIGGER PUSH BUTTON

You can use this button to manually activate and maintain envelope creation

4. OUTPUT

Output for the envelope. Envelope ranges between 0v & 10v.

5. LINEAR TO LOG/EXP TRANSITION CONTROL

This manual control allows you to control how the envelope transitions between the attack, decay and release.
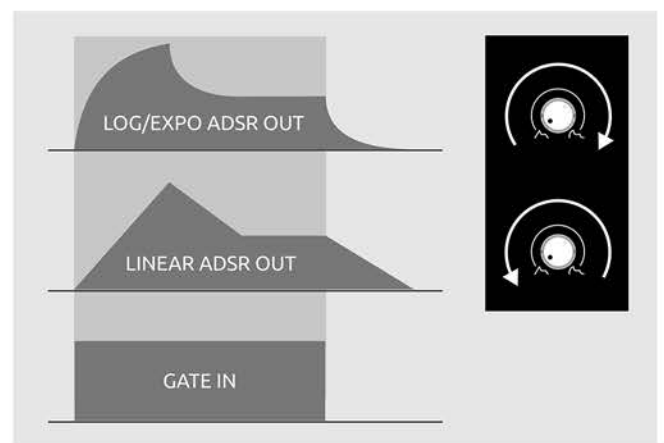

1. GATE/TRIGGER INPUT

Input for gate/triggers to activate and maintain envelope creation.

2. TRIGGER OR GATE MODE SWITCH

In both modes the envelope will evolve as long as there is a signal on the input. In "Trigger" mode a trigger on the input will generate the attack and release portions of the envelope. In "Gate" mode as soon as the gate/trigger input signal is removed the release will begin.

6. GATE/TRIGGER INPUT INDICATOR LED

This LED will light whenever there is a Gate or Trigger signal on the input (including one created by the manual gate/trigger push button).

7 – 10. ADSR SLIDERS

These sliders offer manual control of the attack, decay, sustain and release stages of the envelope. Note that sustain is a measure of level not time.
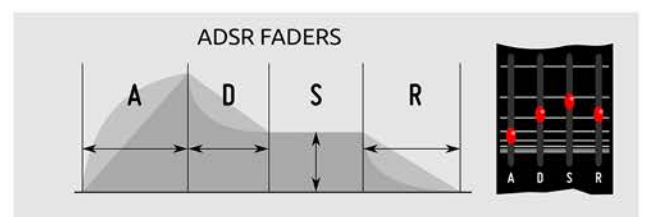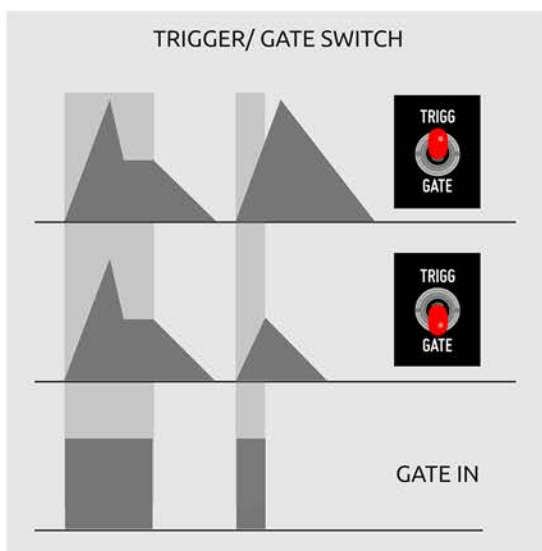
11 – 14. ADSR INDICATOR LEDs

These LEDs will light as each part of the envelope (attack, decay, sustain & release) is active.

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A DESCRIPTION AND EXAMINATION OF THE VARIOUS
FUNCTIONS OF THE MODULE
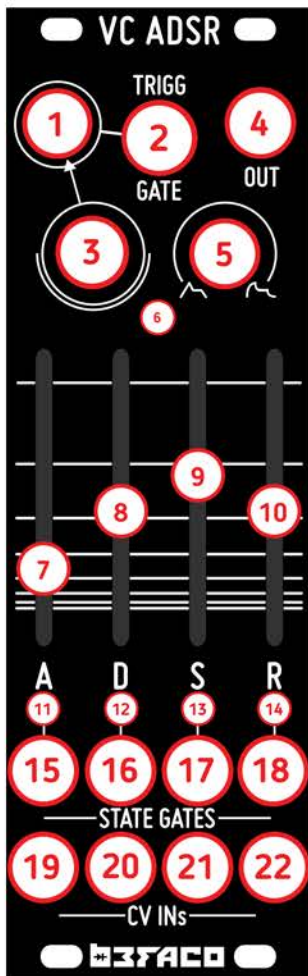
NOTE. Sustain

The sustain is *not* how long the note sustains for, but rather the level at which the note sustains. The length of the sustain is controlled by the length of the gate signal (see next note for more information).

NOTE. Release

The release part of the envelope will only activate once the input gate signal is removed.

15 – 18. State gate outputs

These outputs output a gate signal (0 – 10v) while each of the 4 stages of the envelope (attack, decay, sustain, release) are active.
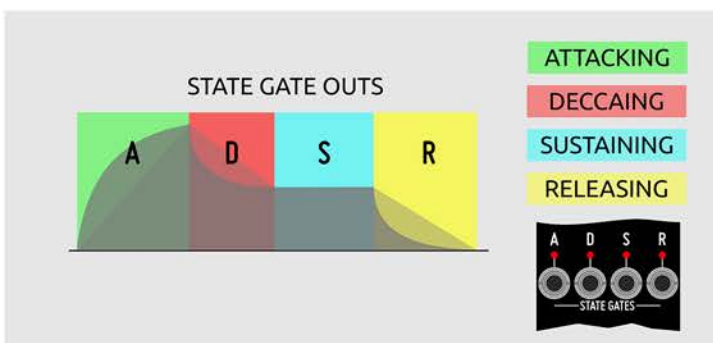
19 – 22. ADSR CV inputs

These inputs take a CV input to individually control the levels for each of the four stages of the envelope.