

# BLACK ENVELOPE GENERATOR 2

## THANK YOU FOR PURCHASING THIS ERICA SYNTHS BLACK SERIES MODULE!

The Erica Black Series includes high-end modules with unique functionality and superior build quality. Only the best, highest quality components are used, all inputs and outputs are protected against undesired overvoltage. When designing the Black Series, we placed an emphasis on usability with the goal of providing an enjoyable user experience. Big knobs are assigned to functions that make differences in sound. The Erica Black Series consists of a range of modules that are needed to put together an entire synth. Enjoy!

**The Erica Synths Envelope Generator 2** is a re-triggerable, looping envelope generator with some unconventional features that are very useful for experimental setups. What sets the Black EG2 apart from other envelope generators is its optional GATE LENGTH setting, which allows for generating full ADSR envelopes even if a short trigger is used at the input. Likewise, in LOOP mode, the module outputs a full ADSR envelope instead of a classical AD envelope. The gate length is both manual and CV controlled, which allows for using this envelope generator in compact modular setups controlled by trigger sequencers only.

### FEATURES:

- Full exponential ADSR envelope
- Retriggering option
- Internal gate generator with adjustable gate length
- Manual and voltage-controlled gate length
- Full ADSR looping mode

### SPECS:

Gate input level	3...10V
Envelope amplitude	0...10V
Attack time	0...7,4"
Decay time	0...19"
Sustain level	0...10V
Release time	0...17"
Gate length	0...3,7"
Panel width	8HP
Module depth	25mm
Power consumption	29mA@+12V, 33mA@-12V

### SAFETY INSTRUCTIONS

Please follow the instructions for use of the Erica Synths module below, 'cause only this will guarantee proper operation of the module and ensure warranty from Erica Synths.



Water is lethal for most of the electric devices, unless they are made waterproof. This Erica Synths module is NOT intended for use in a humid or wet environment. No liquids or other conducting substances must get into the module. Should this happen, the module should be disconnected from mains power immediately, dried, examined and cleaned by a qualified technician.



Do not expose the module to temperatures above +50° C or below -20° C. If you have transported module in extreme low temperatures, leave it in room temperature for an hour before plugging it in.



Transport the instrument carefully, never let it drop or fall over. Warranty does not apply to modules with visual damages.



The module has to be shipped in the original packaging only. Any module shipped to us for return, exchange and/or warranty repair has to be in its original packaging. All other deliveries will be rejected and returned to you. Make sure you keep the original packaging and technical documentation.



This device complies to the EU guidelines and is manufactured RoHS conforming without use of lead, mercury, cadmium and chrome. Nevertheless, this device is special waste and disposal in household waste is not recommended.

User manual by Girts Ozolins@Erica Synths.  
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Copying, distribution or any commercial use in any way is prohibited and needs the written permission by Erica Synths. Specifications are subject to change without notice. In case of any questions, feel free to contact us through [www.ericasynths.lv](http://www.ericasynths.lv).

You will find Erica Synths terms of warranty at [www.ericasynths.lv](http://www.ericasynths.lv)

Items for return, exchange and/or warranty repair have to be registered at SUPPORT on [www.ericasynths.lv](http://www.ericasynths.lv) and send back to us according to instructions in the support page.

#### LOOP/SINGLE

Select between SINGLE SHOT or LOOP modes. When the internal gate is off, the rise and fall times are set via the A and R knobs. When the internal gate is on, all knobs have an effect on the envelope shape.

The LED gives visual feedback on the envelope state

#### GATE ON

Engage the internal gate and you have a full ADSR envelope in loop mode and with a trigger applied to the trigger input in single mode.

#### G. LENGTH

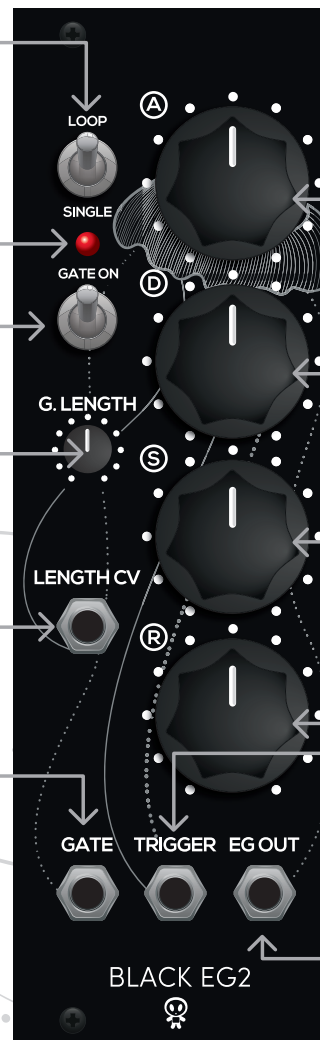
Set the internal gate length manually

#### LENGTH CV

This is the internal gate length CV input. The CV is added to the gate length potentiometer setting

#### GATE

This is the GATE input



#### A/D/S/R

These knobs adjust envelope stage times and sustain level

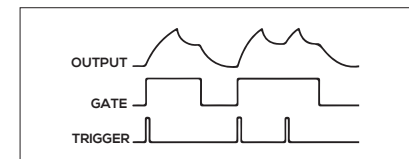


FIGURE 1

#### TRIGGER

This is the TRIGGER input. You can retrigger the envelope and start the attack stage again, even if the gate is still high (see Figure 1). If you wish to use the envelope generator with an internal gate, patch the incoming trigger signal here. The internal gate is linked to the trigger input, not the gate input.

#### EG OUT

This is the envelope generator output