erica synths

BLACK
DUAL ASR EG

THANK YOU FOR PURCHASING ERICA SYNTHS BLACK SERIES MODULE!

Erica Black Series include high-end, unique functionality and superior quality modules. Only the best, highest quality components are used, all inputs and outputs are protected against undesired overvoltage. When designing Black Series, put design and usability superior. Big knobs are assigned to functions that make difference in sound. Erica Black series consist of range of modules that are needed to put together entire synth. Enjoy!

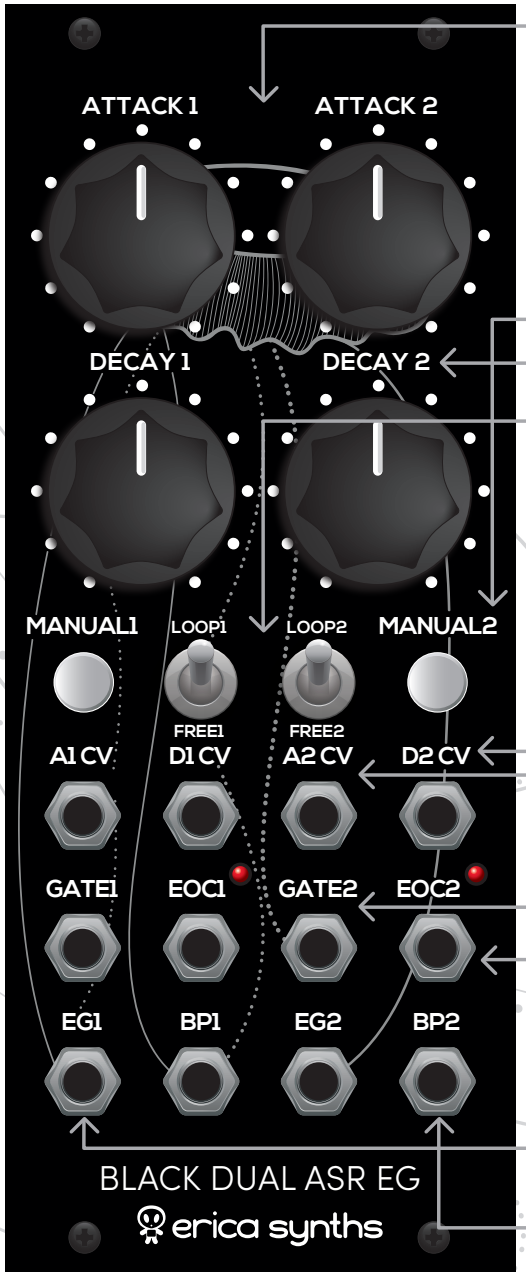
The **Erica Synths Black Dual ASR EG** is a versatile, full analogue voltage controlled looping envelope generator and low frequency oscillator with manually and voltage controlled shape and rate, designed for use in advanced modular systems. It has two identical parts, each featuring all typical envelope generator controls and bonus features – the end of the cycle output and bi-polar LFO output. When in loop mode the shortest attack and decay settings turn the module into voltage controlled drone oscillator with adjustable waveform (it will not track 1V/oct, though).

FEATURES:

Dual voltage controlled envelope generator and LFO
Manual and voltage control over Attack and Decay/Release
Adjustable LFO shape
Manual gate button
Loop/Free running switch
End of the cycle output
Bipolar LFO output
A jumper for the EG/LFO time configuration

SPECS:

Attack time	0-1" (3")
Decay/Release time	0,01" – 3" (9")
EG level	0 – 10V
Bi-polar LFO level	-5V - +5V
EOC trigger level	+5V
CV level (full span)	-5V - +5V
Power consumption	+45mA, -39mA
Module width	10HP
Module depth	35mm



ATTACK 1; ATTACK 2

These are manual Attack time controls. The incoming CV is added to the knob position. For the LFO operation this knob will control a slope of the rising edge of the LFO waveform.

DECAY 1; DECAY 2

These are manual Decay/Release time controls. The incoming CV is added to the knob position. For the LFO operation this knob will control a slope of the falling edge of the LFO waveform.

MANUAL 1; MANUAL 2

These are the manual gate buttons. A built-in LED indicates the envelope state.

LOOP 1; LOOP 2

These are Loop/Gated EG switches. An incoming Gate will reset the loop to the zero, so looping EG in combination with an incoming gate will make more advances envelopes. For LFO operation the switch should be in Loop position.

A1 CV; A2 CV

These are the Attack/rising edge CV inputs.

D1 CV; D2 CV

These are the Decay/falling edge CV inputs.

GATE1; GATE2

These are the Trigger/Gate inputs. When a trigger is applied, the module will output the AD envelope, when a gate is applied, it will output ASR envelope. The gate of the first EG is normalled to the gate input of the second EG, so they start simultaneously – very useful feature, if you wish to control a VCA and a VCF from a single gate.

EOC1; EOC2

These are the End for Cycle outputs – they output high signal, when the envelope reaches end position. Use this output to trigger other events in your system or retrigger the second envelope generator for advanced multi-stage envelopes. The LED indicates, when the output is +5V.

EG1; EG2

These are the envelope outputs.

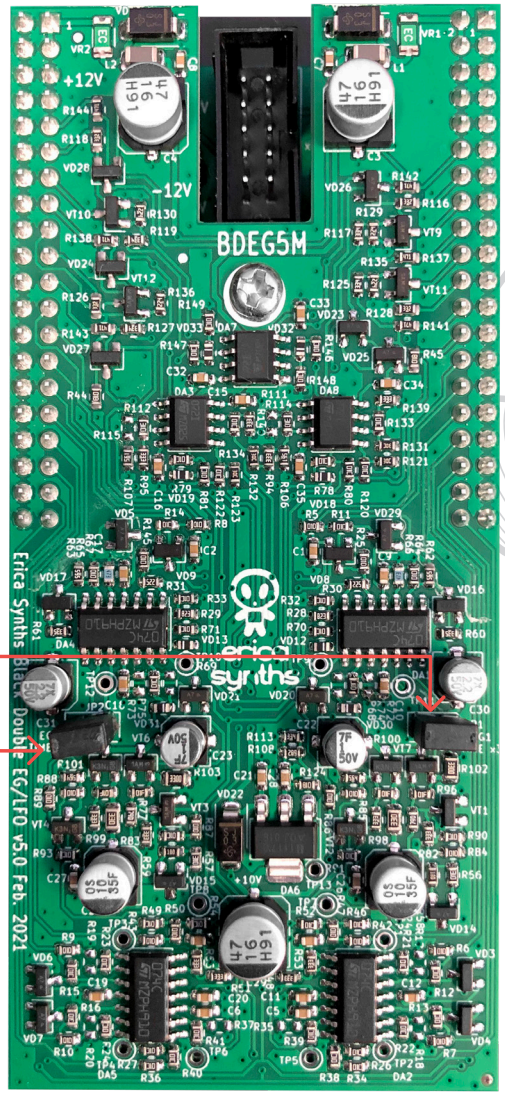
BP1; BP2

These are the bi-polar LFO outputs.

erica synths

EG/LFO time configuration.

A module has two timing configurations – short and three times longer. The factory preset configuration is the long one. If you prefer the short setting, simply remove two jumpers on the back of the module. You may wish to have one EG configured for short time and other for a long one – then remove just one of jumpers.



Remove the jumpers for short EG/LFO configuration.

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.
Design by Ineta Briede@Black8.

Specifications are subject to change without notice.In case of any questions, feel free to contact us through www.erica-synths.lv.

You will find Erica Synths terms of warranty at
www.ericasynths.lv
Items for return, exchange and/or warranty repair have to be registered at SUPPORT on www.ericasynths.lv and send back to us according to instructions in the support page.