

# BLACK LOWPASS GATE

## THANK YOU FOR CHOOSING 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. Erica Black Series consist of range of modules that are needed to put together entire synth. Enjoy!

**Erica Synths Black LPG** is our take on Lowpass Gate idea – it's designed from scratch module featuring 2nd order lowpass VCF (the original Buchla lowpass gate was 1st order VCF) and VCA combo with distinct resonance circuit on top. Voltage control over VCF cutoff frequency/VCA offset and mode (VCF/VCF+VCA/VCA), as well as built in decay envelope generator makes it a versatile module for sound shaping in any modular setup.

### FEATURES:

- Three vectors for 2nd order VCF
- VCF/VCF+VCA/VCA modes
- Manual and voltage controlled cutoff/offset
- Manually and voltage controlled mode selection
- Manually resonance depth control
- Resonance overdrive switch
- Built in decay envelope generator
- Manually and voltage controlled decay time
- Envelope CV output
- Skiff-friendly design

### SPECS:

Audio output amplitude	10Vptp
CV range (full span)	-5V - +5V
Max Decay time	4"
Panel width	10HP
Module depth	35mm
Power consumption	44mA@+12V, 45mA@-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.



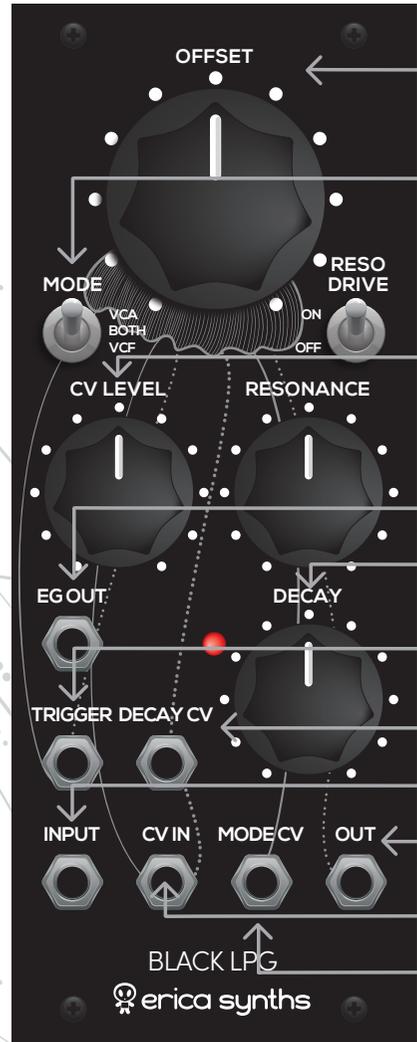
Transport the instrument carefully, never let it drop or fall over. Warranty does not apply to modules with visual damages.



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.



#### OFFSET

The OFFSET knob controls VCF cutoff frequency and VCA offset, depending on the mode selected

#### MODE

Select between VCA/VCA+VCF/VCF modes. The MODE CV is added to the selection, so, if you apply regular LFO signal and leave the switch in a mid position, all modes will be covered

#### RESO DRIVE

Switch between regular sinewave resonance and overdriven/waveshaped, harmonic-rich resonance

#### CV LEVEL

Adjust the CUTOFF/OFFSET manually

#### RESONANCE

This is the RESONANCE control. When set in far clockwise positions the Black LPG goes into self-oscillation in all mode

#### EG OUT

This is 0 - +10V decay envelope output

#### DECAY

This is the manual Decay time adjustment knob. The Decay CV is added to the knob setting

#### TRIGGER

This is the Trigger input. +5V trigger/gate will initiate a decay envelope. THE LED gives a visual reference of the envelope state

#### DECAY CV

This is Decay CV input. Positive CV will increase a decay time

#### INPUT

This is the audio signal input

#### OUT

This is the audio output

#### CV IN

This is the CUTOFF/OFFSET CV input

#### MODE CV

This is the MODE CV input. The CV is added to the MODE switch position

User manual by Girts Ozolins@Erica Synths.  
Design by Ineta Briede@Black8.

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.