

## 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 Black OCTASOURCE is, what we want to believe, the LFO carried to it's extremes. It features one of 8 waveforms available on 8 outputs phase shifted by 45 degrees OR all 8 waveforms simultaneously on all outputs. Futuremore, waveform selection, phase shift and LFO rate are CV controlled, and the rate can be synched to an external clock signal.

### FEATURES:

- LFO with manually and CV controlled rate
- Manual selection of phase shift direction
- 8 simultaneous outputs
- Synchronization to an external clock
- LFO freeze function
- 8 waves with morphing between them
- Phase shift, wave select and FM CV
- Bipolar output signal level LEDs

### TECHNICAL SPECIFICATIONS:

- LFO rate ..... 0,03Hz – 30Hz
- Output signal amplitude ..... 10Vptp
- CV input (full sweep) ..... -5V – +5V
- Power consumption ..... +82mA, -44mA
- Module width ..... 12HP
- Module depth ..... 25mm

Apply an external clock signal here to synchronize the LFO frequency! When in Sync mode, RATE knob will have no effect, unless it's in "freeze" position

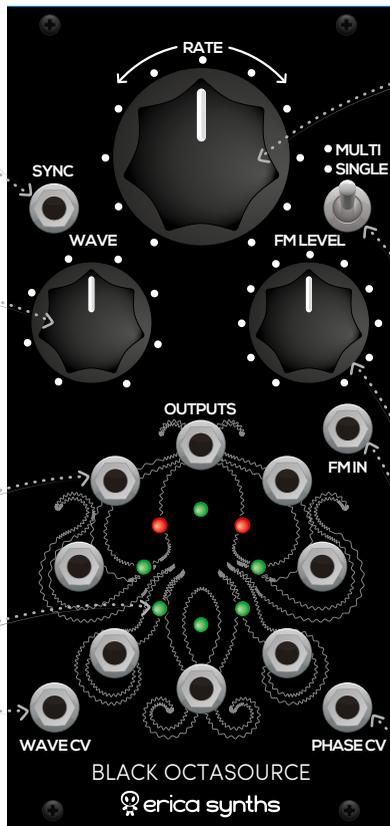
Select LFO waves manually! Principal waves in the order of appearance are: sine, ramp, inverted absolute value of sine, triangle, pulse, absolute value of sine, saw, S&H, but there are in-between waveforms as result of morphing from one wave to another. In MULTI mode this knob passes waveforms from one output to another

These are outputs of the OCTASOURCE – they can be a heart and brain of your modular system modulation sources

Bipolar LEDs give visual feedback on output levels

Patch here CV signals from another LFO, sequencer or even some of OCTASOURCE output to control waveform select via control voltage

The Black Octasource by default comes with **bipolar** LFO outputs (-5V - +5V), but for some applications, like VCO pitch control, you may wish to have **unipolar** outputs (0 - +5V). Therefore we introduced Black Octasource output configuration. To switch between bipolar and unipolar modes, set the Rate knob to 12 o'clock and flip Multi/Single switch 6 times. In unipolar setting all output indicator LEDs will blink in same colour; in bipolar setting LEDs will blink in two colours.



Use large knob to control LFO rate manually! 12 o'clock position will "freeze" all momentary CVs on the outputs. Turning the knob clockwise will gradually increase LFO frequency, and the phase shift will occur in CW direction. Turning the knob counter clockwise will gradually increase LFO frequency, and the phase shift will occur in CCW direction.

Select the OCTASOURCE mode!

In MULTI mode you have 8 different waveforms available simultaneously on all 8 outputs. WAVE knob in this mode shifts waveforms from one output to another. In SINGLE mode you have the same waveform available on all 8 outputs, but it's phase shifted by 45 degrees or depending on CV applied to PHASE CV input

This is LFO FM CV attenuator

This is LFO FM CV input

Apply CV to control phase shift of the LFO wave on each of the outputs! If CV is 0V, all waves are shifted evenly by 45 degrees. CV controls phase shift within a "window" of 45 degrees for each output

## SAFETY INSTRUCTIONS

Please follow the instructions for use of this 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. 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.



Transport the instrument with modules installed 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.



You will find Erica Synths terms of warranty at <http://ericasynts.lv/en/terms/>

Items for return, exchange and/or warranty repair have to be sent to: Erica Synths, Andrejostas Str.12, Riga, Latvia, LV-1045

## DISPOSAL

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.

Designed and made in Latvia.  
User manual by Girts Ozolins@Erica Synths.  
Design by Baiba Stelle.  
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Specifications are subject to change without notice.  
In case of any questions feel free to contact us via e-mail [info@ericasynts.lv](mailto:info@ericasynts.lv)

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