

RATE

Bicolour LEDs give visual feedback on the output status – the left LED indicates phase shifted output, the right one – the main output. Red is -5V, green is +5V

RATE1, RATE2

Set the initial LFO rate manually. When in SYNC mode this knob becomes a divider (1/2, 1/4, 1/8 when turned CCW) or a multiplier (x2, x4, x8, when turned CW); at 12 o'clock setting the LFO rate will follow incoming clock signal

LINK2

The switch in upper position “links” LFO2 frequency to the LFO1. The RATE2 knob becomes frequency divider and multiplier. If LFO2 is in Sync mode and the LINK2 switch is engaged, the incoming sync signal is ignored

SHAPE1, SHAPE2

Select the waveform! Waveforms are morphed, so turning the knob, you'll get interesting in-between waveforms. A full CV setting is pitched noise. The pitch can be controlled via RATE1 and RATE2 knobs correspondingly as well as RATE CV

VCA1

The switch in VCA1 position applies the built in VCA to the output of LFO1, meaning – it alters the output signal amplitude depending on RISE and FALL settings. The switch in PHASE setting allows you to adjust phase shift of the LFO signal on the OUT^o 1. Both effects can be used simultaneously, meaning, you can set the phase shift and then apply amplitude modulation to the LFO1

RISE, PHASE1

This knob has three functions: Adjust VCA envelope RISE time from 0 to 5"; Adjust phase shift on the OUT^o 1 from 0^o to 360^o; Adjust lowpass (CCW from 12:00) or highpass (CW from 12:00) filter cutoff frequency to the noise on the OUT^o 1. If you want to omit the VCA effect on the LFO1, set this knob all way CCW

FALL, PHASE2

This knob has three functions: Adjust VCA envelope FALL time from 0 to infinity; Adjust phase shift on the OUT^o 2 from 0^o to 360^o; Adjust lowpass (CCW from 12:00) or highpass (CW from 12:00) filter cutoff frequency on the OUT^o 2

If you want to omit the VCA effect on the LFO1, set this knob all way CW

SYNC1, SYNC2

These are SYNC inputs. When any clock signal is patched here, the LFO will automatically sync the frequency to the clock. Please, avoid shuffling clocks

OUT^o1, OUT^o2

These are phase shifted outputs

RATE CV1, RATE CV2

These are LFO/noise rate CV inputs. They are automatically deactivated when the sync signal is applied

OUT1, OUT2

These are main outputs



MODULATOR



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.

You will find Erica Synths terms of warranty at www.ericasynths.lv

Items for return, exchange and/or warranty repair have to be sent to:

Erica Synths
Andrejostas Str. 43
Riga
Latvia
LV-1045

User manual by [Girts Ozolins@Erica Synths](mailto:Girts.Ozolins@Erica.Synths.lv).

Design by [Ineta Briedele@Carre Branding](mailto:Ineta.Briedele@Carre.Branding.lv).

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 or via e-mail info@ericasynths.lv

THANK YOU FOR PURCHASING ERICA SYNTHS DRUM MODULE!

Erica Drum Series modules include high-end, unique functionality and superior quality modules, which allow you to design extensive, feature rich modular system for sound design and live performances. Enjoy!

Erica Synths Modulator is an advanced modulation and pitched noise source with focus on rhythmic (but not limited to) compositions in mind. It features two identical syncable to the BPM LFOs/noise sources with selectable morphing waveshapes. LFO frequency can be manually adjustable, as well as they provide frequency divisions and multiplications in Sync mode. Each LFO has two outputs – main one and secondary one with adjustable phase, so you can create evolving modulations. Furthermore, LFOs can be linked to work at the same frequency and the first LFO has built in VCA to control output signal amplitude.

FEATURES

Two independent modulation/pitched noise sources
7 morphing waveshapes + noise
LFO Sync, frequency divisions and multiplications
Integrated VCA for the first modulation source
Two main outputs
Two outputs with adjustable phase shift
LP and HP filter on outputs in pitched noise mode
CV control over LFO rate/noise pitch

SPECS

Output level	-5...+5V
CV level (full span)	-5V - +5V
Power consumption	86mA @ +12V, 7mA @ -12V
Module width	10HP
Module depth	45mm
