THANK YOU FOR PURCHASING THIS ERICA SYNTHS BLACK SERIES MODULE! These are high-end modules with unique functionality. Only the highest quality components are used and all inputs and outputs are protected against undesired overvoltage. When designing the Black Series, we did not economise on the module width, we put design and usability first. Big knobs are assigned to functions that make difference in sound. The Erica Black series are a range of modules that together make an entire synthesizer. Enjoy!

The Erica Black Digital Noise is our pathological brainchild. A unique noise module that makes wide range of noise effects; almost pure white noise, Atari console-like one bit noise and other crazy, more-less predictable sounds. At the heart of the module is a programmable logic matrix that includes two linear feedback shift registers that generate polynomial noise effects.

SPECS:

Output signal amplitude............–5V – +5V
Noise bitwidth...........................1bit – 4 bits
CV level.....................................–10V – +10V
Power consumption........ +93mA, –25mA
Module width......................................10HP
Module depth...............................25mm

Connect the output from any VCO (for best results set to high frequency) here, and noise character will follow frequency of the VCO! When something is patched in this jack, the internal clock gets disconnected

These two knobs select 4 polynomial feedback segments each giving 16 possible variations of noise effects. However this doesn't mean that you only have 16 possible sounds. The sound will be different each time you enter the segment, as polynomials are shifted inside the segment

Any signal (pulse, random gate, audio, etc) here resets polynomials and the effect is similar to syncing VCO. Try to patch speech from microphone preamp here, mix noise output with dry signal and get your voice distorted beyond recognition!
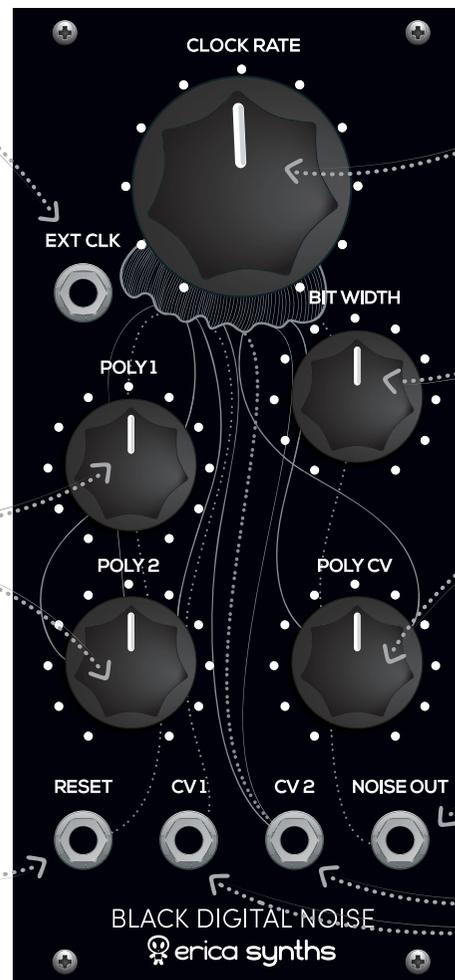
Use the big knob to set the desired noise character – from very grainy noise fully CCW to white noise fully CW

Select noise bitwidth from 1bit, Atari console-like noise fully CCW to 4bit noise fully CW

Set desired polynomial feedback CV value. This is stereo knob and it attenuates both CV1 and CV2 simultaneously

Get your noise here!

Apply two polynomial feedback CVs (up to +-10V) here. Try using a sequencer to sequence both polynomial feeds

CLOCK RATE

EXT CLK

BIT WIDTH

POLY 1

POLY 2

POLY CV

RESET   CV 1   CV 2   NOISE OUT

BLACK DIGITAL NOISE
erica synths

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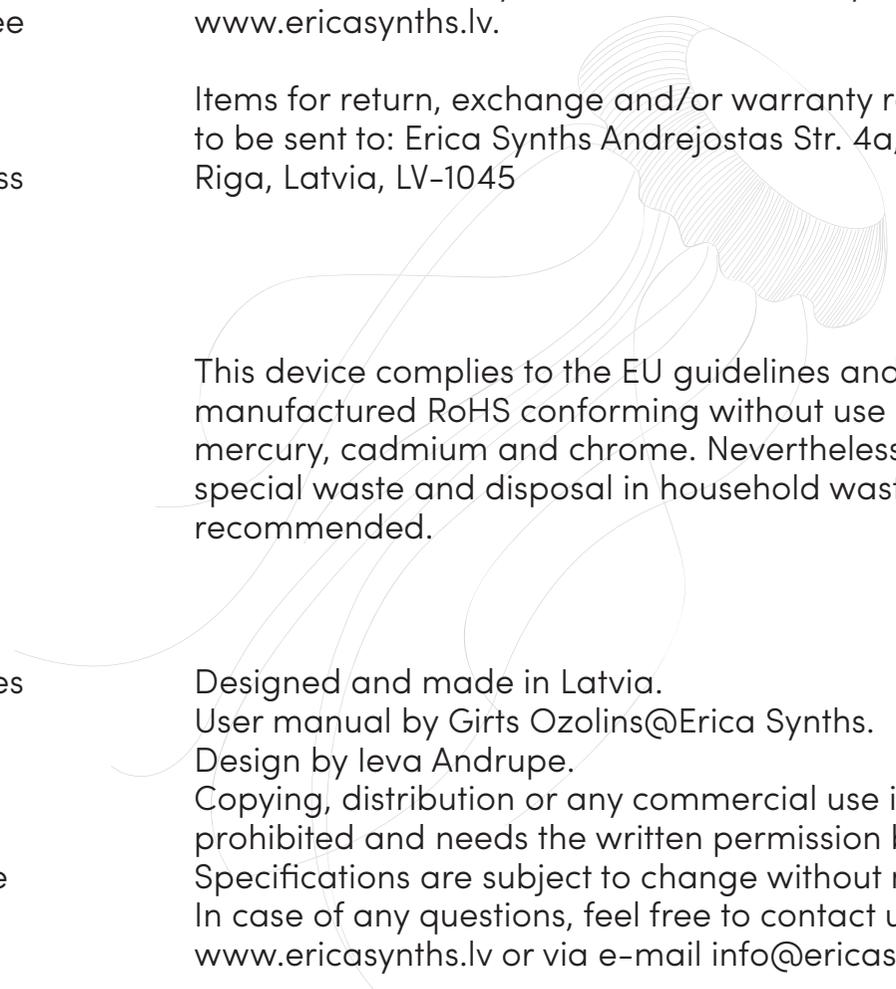
Transport the instrument with modules installed carefully, never let it drop or fall over. Warranty does not apply to modules with visual damages.

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 www.ericasynths.lv.

Items for return, exchange and/or warranty repair have to be sent to: Erica Synths Andrejostas Str. 4a, room T8-C, Riga, Latvia, LV-1045

DISPOSAL

This device complies to the EU guidelines and is manufactured RoHS conforming without use of led, 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 Ieva Andrupe.
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.

CHECK THE DEMOS OF OTHER ERICA SYNTHS MODULES ON WWW.ERICASYNTHS.LV