

**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 VCF** is dual multimode filter with CV control over cutoff and resonance for serious modular patches. The core of the VCF is highly stable, custom multimode VCF chip AS3320 (produced in Riga, btw). It can be used as two independent VCFs with simultaneous HP, BP and LP outputs, controls can be linked for stereo application and both VCFs can be chained in series or parallel to the summing output for ultimate modulations. Bonus feature – 16 band spectrum analyser – gives visual feedback on what happens on summing output.

**FEATURES:**

- Two identical multimode VCFs
- Simultaneous HP, BP and LP outputs
- Summing output
- Serial or parallel VCF routing to the summing output
- CV control over Cutoff and Resonance
- CV level attenuverters
- Link switch for controlling both VCFs with one cutoff or resonance knob
- 16 band spectrum analyser
- Skiff-friendly design

**TECHNICAL SPECIFICATIONS:**

Audio output amplitude .....	10Vptp
CV input (full sweep) .....	10Vptp
Panel width .....	18HP
Module depth .....	35mm
Power consumption .....	40mA@+12V, 36mA@-12V

Switch in LINK position allows to control both VCFs with Cutoff1 and Resonance1 knobs. Cutoff2 and Resonance2 knobs are disabled

16 band spectrum analyser gives visual feedback on signal that passes through VCFs and appears on SUM OUT

Select what filter mode of VCF1 is assigned to SUM OUT. Same goes with the switch on the VCF2

Adjust audio input level with this knob!

These are Resonance and Cutoff attenuverters

These are audio and CV inputs

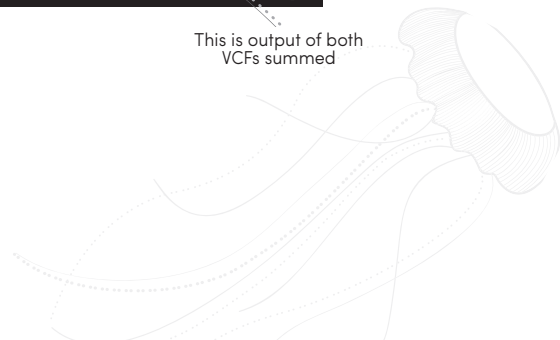
These are multimode VCF outputs – signals from them are available simultaneously, and mode switch doesn't effect these

Adjust cutoff frequency manually for both VCFs!

Adjust resonance for both VCFs manually!

This switch defines, how VCFs are chained to the SUM OUT – in series or parallel

This is output of both VCFs summed



## 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://ericasynths.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 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 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@ericasynths.lv](mailto:info@ericasynths.lv)

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