

BLACK DJ VCF

THANK YOU FOR PURCHASING THIS ERICA SYNTHS BLACK SERIES MODULE!

The Erica Black Series includes high-end modules with unique functionality and superior build quality. Only the best, highest quality components are used, all inputs and outputs are protected against undesired overvoltage. When designing the Black Series, we placed an emphasis on usability with the goal of providing an enjoyable user experience. Big knobs are assigned to functions that make differences in sound. The Erica Black Series consists of a range of modules that are needed to put together an entire synth. Enjoy!

As its name suggests, **the Erica Synths Black DJ VCF** provides sound treatment functionality typically found on DJ decks – it is fully open when the cutoff knob is set to 12:00. When turned counter-clockwise, lowpass filtering is applied and when turned clockwise, highpass filtering is applied. The filter also has a nice-sounding resonance parameter. This module provides hands-on control over the sound during performance, as well as unconventional timbre modulations that are hard to achieve with conventional state variable filters. The Black DJ VCF is of a fully analogue design and consists of two VCFs – highpass and lowpass in series and the filter management is done by complex CV routing.

FEATURES:

- Fully analogue DJ-style VCF
- Manual resonance control
- Cutoff CV attenuverter and attenuator
- Input and output
- Protection against undesired overvoltage

SPECS:

Audio level	10Vptp
CV level	-10V - +10V
Filter slope	24dB/oct
Power consumption	+55mA, -58mA
Module width	10HP
Module depth	35mm

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.



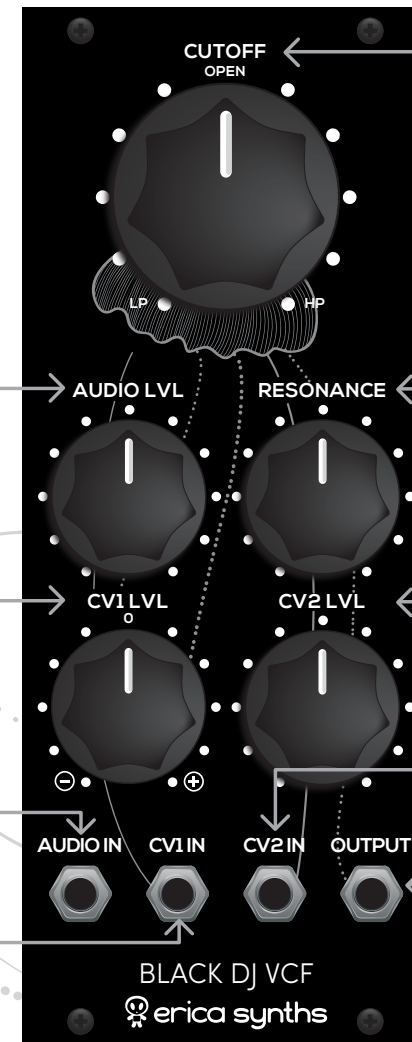
Transport the instrument carefully, never let it drop or fall over. Warranty does not apply to modules with visual damages.



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.



CUTOFF

This is the main control of the module – manual cutoff frequency adjustment with a twist – it's fully open when the cutoff knob is set to 12:00. When turned counter-clockwise, lowpass filtering is applied and when turned clockwise, highpass filtering is initiated

AUDIO LVL

Adjust the audio signal level

RESONANCE

Adjust the resonance level manually. On settings over 1PM, the filter will start to self-oscillate. The resonance is incoming audio signal-sensitive – a signal of greater amplitude may reduce the impact of resonance on the resulting sound

CV1 LVL

This is the cutoff CV attenuverter. Adjust the CV level to your taste! Notice that the cutoff CV works differently compared to conventional state variable filters – it sweeps the filter from closed lowpass through fully open to closed highpass

CV2 LVL

This is another cutoff CV attenuator

AUDIO IN

Patch your audio signal here

CV2 IN

This is the cutoff CV2 input, which is controlled by the attenuator knob

CV1 IN

This is the cutoff CV1 input. The CV1 level is adjustable by the CV1 LEVEL attenuverter knob

OUTPUT

This is the audio output of the module

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.

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

Items for return, exchange and/or warranty repair have to be registered at SUPPORT on www.ericasynths.lv and send back to us according to instructions in the support page.