

THANK YOU FOR ORDERING ERICA FUSION VCA MODULE!

The Erica Synths Fusion series modules are designed combining vacuum tubes and semiconductors therefore they bring warm, powerful sound and overdrive possibilities of vacuum tubes into your modular system. Erica Fusion series consist of range of modules used in sound shaping circuit – VCO, Mixer, real Ringmodulator using audio transformers and germanium diode ring, VCF, VCA and Analogue Delay/Flanger.

The core of Fusion VCA is Russian miniature pentode 1K24B with a power consumption comparable to an LED. We developed unique audio and tube control circuits, so Fusion VCA sounds like nothing you've heard before. Feedback adds harmonics to the original signal and acts similar to cutoff knob on VCFs and Deform knob controls amount of distortion in germanium diodes based circuit.

FEATURES:

- Miniature pentode based VCA
- Manual VCA bias control
- Audio signal feedback control
- Germanium diodes/tube overdrive
- Waveshaping – signal deform
- 2 input signal mixer
- Overdrive flavour select switch

TECHNICAL SPECIFICATIONS:

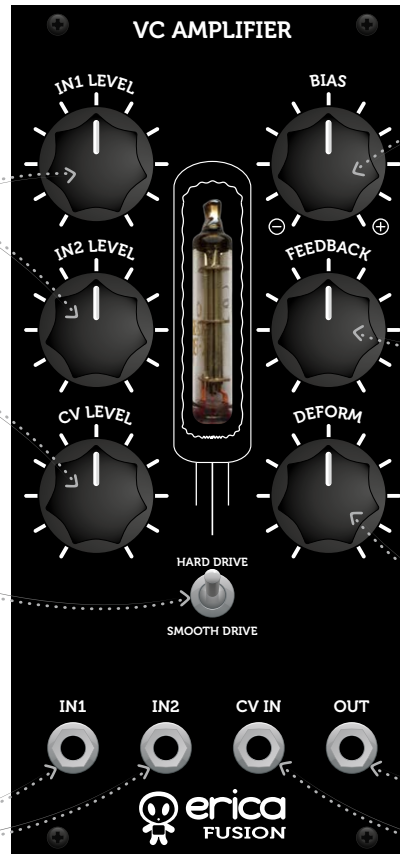
- Audio input level:up to 20V ptp
- CV input level:-10V – +10V
- Signal attenuation-80dB
- Panel width:12HP
- Module depth:35mm
- Power supply: ... 21mA@+12V, 32mA@-12V

Set desired audio input levels!

Set desired CV input level! For regular VCA performance with 0-10V envelope set this knob all way CW

Select overdrive mode! Center setting gives no overdrive, while up and down settings – distinct tube/germanium diode combination overdrive

These are audio mixer inputs! For better performance they are independently buffered



Adjust VCA bias! For regular VCA performance with 0-10V envelope set the knob somewhere around 12 o'clock, for tremolo effects with -5V – +5V LFOs – around 2PM. Full CW setting will fully open VCA with no CV patched in.

Feedback knob will give you an effect comparable to adjusting cutoff knob on the VCF – it adjusts amount of output signal that is being fed back to the input of the module

Deform knob essentially works as a waveshaper that controls amount of distortion.

This is VCA output

This is VCA CV input

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://ericasyths.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.
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 via e-mail info@ericasyths.lv

Check out other Erica Synths modules & devices at www.ericasyths.lv