



## erica synths Pico Series Module EF User Guide

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### **Thank you for purchasing the Erica Synths Pico Series module!**

With Pico Series we challenged ourselves – can we make ANY superior functionality synth module 3HP wide and affordable? **Yes, we can.**

The Erica Synths **Pico Envelope Follower** features a preamp with +40dB gain, enough to boost even guitar AND DYNAMIC MICROPHONE signals for use in a modular system, which also can serve as a nice overdrive effect, envelope output with adjustable attack time, and a gate output with adjustable threshold. The Pico E.F.

will be useful as a preamp, overdrive unit, for controlling VCFs in a beat with a drum track to create the acid basslines, to synchronize a modular system to the external instruments, and for other creative and experimental applications.

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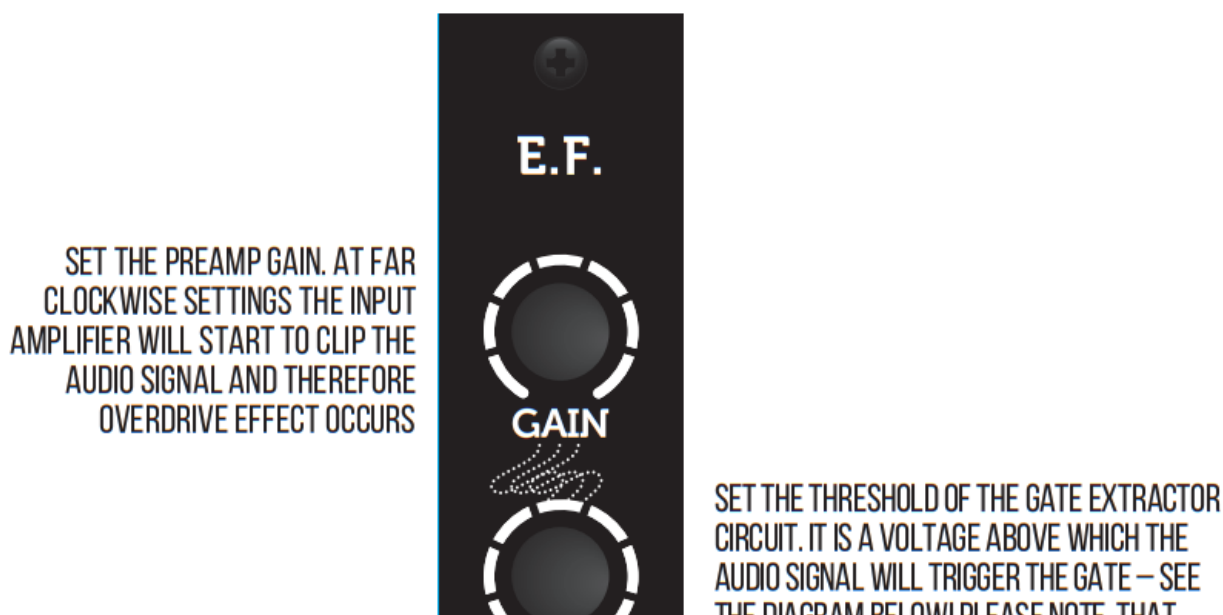
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## FEATURES

- Preamp with adjustable gain
- Audio overdrive possibility
- Envelope follower with the adjustable attack time
- Gate extractor with adjustable threshold
- Input protection against overvoltage
- Protection against reverse PSU connection

## TECHNICAL SPECS

Preamp boost	up to +40dB
Audio output level	10Vptp
Envelope output level	0 – +10V
Gate level	+5V
Power consumption	25mA, -15mA
Module width	3HP
Module depth	35mm



SELECT THE ATTACK TIME OF THE ENVELOPE. OPTIONS ARE FAST, SLOW AND MEDIUM. SELECT THE SLOW OPTION, IF YOU ARE CONTROLLING THE VCF CUTOFF FREQUENCY TO DESIGN AN ACID BASSLINE IN BEAT WITH A KICK DRUM.

THIS IS THE AUDIO OUTPUT

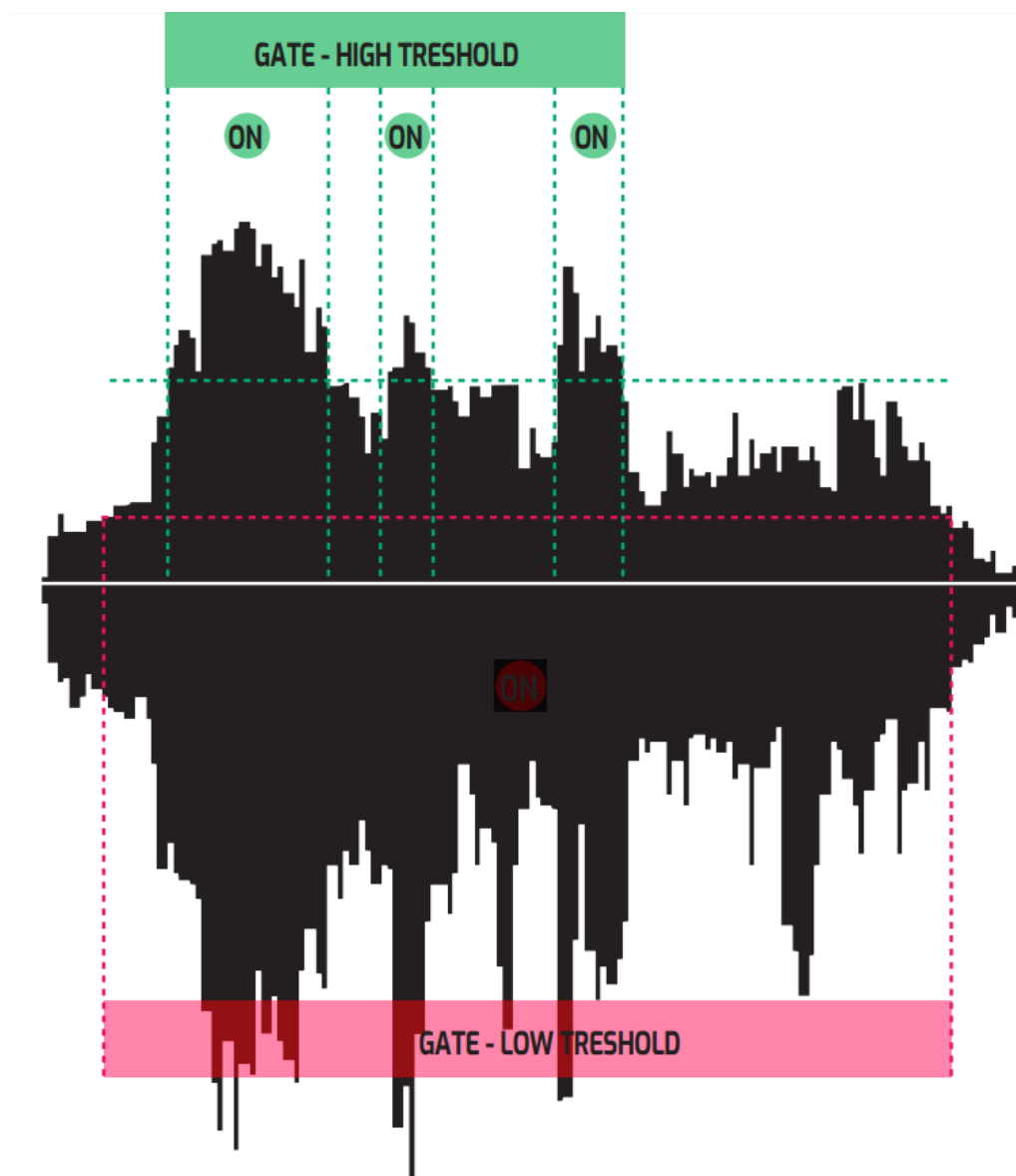
THIS IS THE GATE OUTPUT. THE RED LED INDICATES THAT THE GATE IS ON. BY ADJUSTING THE THRESHOLD POTENTIOMETER, YOU CAN ACHIEVE DISTINCT, RHYTHMIC GATES TO CONTROL OTHER MODULES IN YOUR RACK



THE DIAGRAM BELOW! PLEASE NOTE, THAT, DEPENDING ON THE THRESHOLD SETTING, A SAME WAVEFORM CAN OUTPUT VARIOUS GATES

THIS IS THE AUDIO INPUT. DEPENDING ON THE GAIN SETTING, YOU CAN USE VARIOUS INPUT SIGNALS – MODULAR, GUITAR, DYNAMIC MICROPHONE, VARIOUS SENSORS, ETC.

THIS IS THE ENVELOPE OUTPUT. THE ENVELOPE IS BOOSTED TO +10V LEVEL, SO YOU CAN USE IT TO OPEN VCAS WITHOUT NEED TO AMPLIFY IT. THE GREEN LED INDICATES THE ENVELOPE STATUS



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.

## Safety Instructions



Water is lethal for most 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 the module to extremely low temperatures, leave it at 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 with the EU guidelines and is manufactured RoHS conforming without the use of lead, mercury, cadmium, and chrome. Nevertheless, this device is special waste, and disposal in household waste is not recommended.



# erica synths

You will find the Erica Synths terms of warranty at [www.ericasynts.lv](http://www.ericasynts.lv)

Items for return, exchange, and/or warranty repair should be sent to us according to the guidelines on the SUPPORT section on [www.ericasynts.lv](http://www.ericasynts.lv)

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 written permission by Erica Synths.

Specifications are subject to change without notice. In case of any questions, feel free to contact us through [www.ericasynts.lv](http://www.ericasynts.lv).

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## Documents / Resources



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## References

-  [Erica Synths](http://www.ericasynts.lv)