

THANK YOU FOR ORDERING ERICA FUSION MIXER 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 – Mixer, real Ringmodulator using audio transformers and germanium diode ring, VCF, VCA and Analogue Delay/Chorus.

Erica Fusion dual Mixer module is designed to mix audio signals on the vacuum tube. Use it as two independent 3-input mixers (also for stereo signal mixing) or 6-input mixer. Special feature of the Fusion Mixer – great tube distortion effects when level knobs are set to 3 o'clock and above. When used with drum machines, it even emulates sidechain compressors.

FEATURES:

- 6 audio inputs
- Two independent 3-input mixer
- Sum of all 6-inputs
- Soft tube overdrive

SPECS:

- Input signal level.....up to 20V ptp
- Mixer gain.....1
- Max Output level.....10V ptp
- Panel width.....17HP
- Module depth.....25mm
- Power supply.....bipolar +-12V , eurorack standard and/or Erica Synths 6VAC PSU
- Power consumption
- Tube heater PSU configuration.....10mA@+12V, 10mA@-12V, 300mA@6VAC
- Eurorack PSU configuration.....160mA@+12V, 10mA@-12V

Input attenuators adjust left mixer signal levels. Input accepts signals at virtually any level, because they are fed directly into tube. Adjust signal level in order to get clean, undistorted signal on the output OR use the advantage of interesting tube distortion/overdrive effects. Apply PW pulse signal to one of the INs and you have a waveshaper!

Connect audio signals here for left mixer.

Get left output signal from here.

Extra feature - inverted output signal.



Input attenuators adjust right mixer signal levels. Input accepts signals at virtually any level, because they are fed directly into tube.

Connect audio signals here for right mixer.

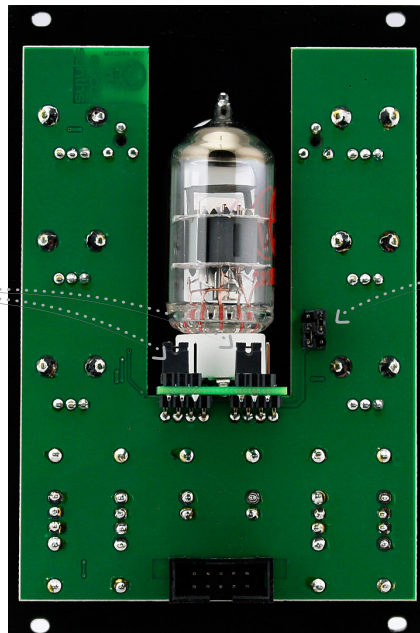
Get right output signal from here.

Get summed A+B signal here.




Major news about the new Fusion modules – they are configurable to work with standard $\pm 12V$ eurorack PSU. In this case power consumption is about 150mA from $\pm 12V$, but you do not need to install Fusion PSU. So, before deciding on your Fusion module configuration, please, check total power consumption of your system!

For $\pm 12V$ operation install 2 jumpers on the Fusion PSU connector on the left side as shown on the picture! For 6VAC operation from the Fusion PSU, install jumpers on the right side. Also, you can refer to small 12V or 6V notes next to jumpers.



For $\pm 12V$ operation install 2 jumpers on the Fusion PSU connector as shown on the picture. If you use Fusion Mixer with the Erica Fusion PSU, no need to install these jumpers. You connect Fusion PSU ribbon cable here.

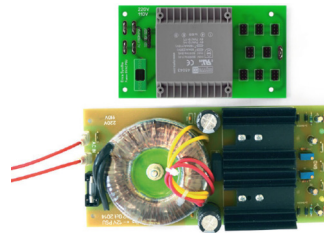
ERICA FUSION 6VAC PSU INSTALLATION

 It is advised that installation is performed by person, who has experience working with 220/110V voltages. Before installing the PSU, make sure your modular system is turned off and disconnected from wall power socket.

Follow simple instructions below, and you will not go wrong with the installation!

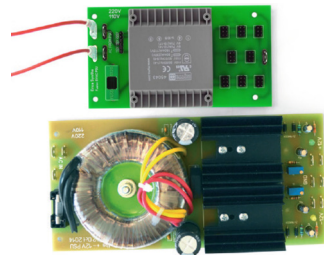


Use spacers and screws supplied with the Erica Fusion PSU kit to fix it in your modular case next to the eurorack power supply unit!

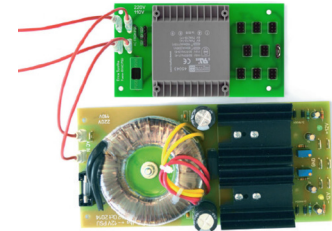


Disconnect 220/110V wires from eurorack PSU!

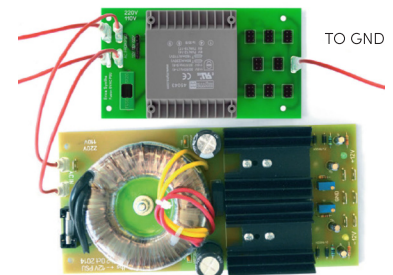
Connect 220/110V wires to relevant lugs of Erica Fusion PSU!



Use wires supplied with the Erica Fusion PSU kit to connect eurorack PSU to relevant lugs on the Fusion PSU module!



One side of Erica Fusion PSU 6VAC output has to be connected to the GND of your modular system. Use the wire supplied with the kit to do so. Since 6VAC circuit is isolated, nothing wrong or critical will happen, if you connect this wire somewhere incorrectly. But that may affect quality of sound of Erica Fusion modules.



Congratulations, you have completed installation of Erica Fusion 6VAC PSU! Now you can try modules!

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.ericasynthslv.

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 lead, 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 via e-mail info@ericasynthslv

Check out other Erica Synths modules & devices at www.ericasynthslv