$\overline{\mathfrak{P}}$ erica synths

DOUBLE BASS

THANK YOU FOR PURCHASING 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. When designing Black Series, we put design and usability superior. Big knobs are assigned to key functions of the module, which makes Black Series ideal for live performances. Enjoy!

Erica Synths Black Double Bass is unique module that combines two transistor suboscillators (-1 and -2 octaves) and lowpass filter. It will turn any VCO or beeper into massive bass sound with CV control over octave mix and cutoff frequency. Sync input that resets suboscillators on incoming pulse, provides even more versatility in sound design. The module can be also provide aggressive distortion, when used with percussive sounds like bassdrums.

FEATURES:

Two transistor based -1 and -2 octaves suboscillators Manually and CV controlled fade between suboscillators Manually and CV controlled lowpass VCF Suboscillator synchronisation input Individual outputs of suboscillators Limiter on the output to avoid clipping Signal Thru output CV level attenuators

SPECS:

Audio input level CV level (full sweep)	
Power consumption Module width	+50mA, -39mA
Module depth	

Use this knob to control the mix between the suboscillators. CCW setting is -2 octaves suboscillator, CW setting is -1 octave suboscillator. SUBMIX CV is added to the SUBMIX knob setting

This is Submix CV attenuator

This is manual Dry/Wet control, where Dry is the original audio signal, Wet is the sum of suboscillators and lowpass VCF.

This is audio thru output. Basically, it copies the input signal and buffers it.

This is audio input of the module. Experiment with different waveforms and percussive sounds and see, how the module reacts!

This is suboscillator synchronisation input. The rising edge of the incoming signal will reset the suboscillator cycle. Experiment with the frequency of a sync oscillator and find the

This is suboscillator mix CV = input

sweet spots!



This is lowpass VCF cutoff manual control knob. Non resonant lowpass VCF is in series with suboscillators, so you can control the harmonic content of the output signal. Full CW setting leaves the VCF fully open. CLR CV is acded to the COLOUR knob setting

This is Colour CV (VCF cutoff frequency) attenuator

These are dedicated -1 and -2 octave suboscillator outputs. Try to run those through two VCAs controlled by EGs that receive gates from two sequencers or two channels of the same sequencer. This way you'll get two basslines that are perfectly in tune, but have different rhythmic patterns

This is the main output of the module – the sum of suboscillators and the VCF

This is the VCF cutoff CV input

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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 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 via e-mail info@ericasynths.lv

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