

# BLACK STEREO DELAY

## 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 Stereo Delay** is a hi-fi stereo delay with lot of unique features, based on our custom DSP engine. Developed in collaboration with Tim Pechersky aka TeemKaa of Useful Circuits. Tape, digital and ping-pong modes of delay, adjustable stereo spread between channels, hold with overdub and delicate delay time and feedback control in combination with CV and trigger control over various parameters make this module not only great effects unit in your modular system, but also – an instrument on it's own.

### FEATURES:

- Stereo delay with adjustable delay time
- Tape, digital and ping-pong delay modes
- Adjustable stereo spread up to 500ms
- Tap and clock synchronization of delay time
- Reverse delay mode
- Hold mode (samples up to 20" of audio) with Add (overdub) feature
- Trigger control over Hold, Add and Reverse
- CV control over delay time, dry/wet mix and feedback
- Feedback path soft limiting compression
- Add to hold soft limiting compression
- Adjustable stereo delay spread

### SPECs:

Max audio input level before clipping	16Vptp
Trigger inputs	0-8V (min 2V for high level)
CV input range (full span)	-5V - +5V
Frequency range	5Hz..24kHz
Sampling frequency	48kHz, 24bit
Delay time	3..3000 ms
Audio codecs	-108 dynamic range, -98dB THD+N
Power consumption	+162mA, -62mA
Module width	16HP
Module depth	37mm

### SAFETY INSTRUCTIONS

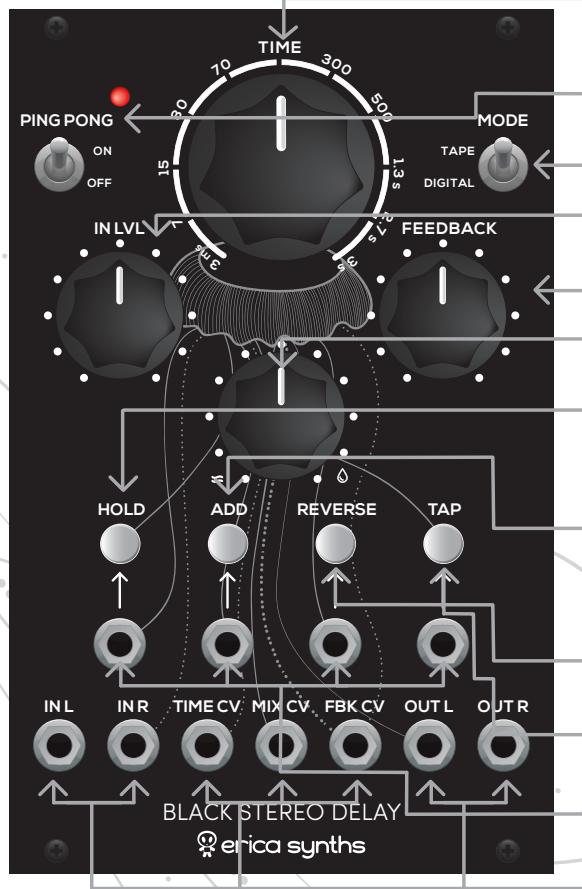
Please follow the instructions for use of the Erica Synths module below, 'cause only this will guarantee proper operation of the module and ensure warranty from Erica Synths.



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.



### TIME

Set delay time manually from super-short 3ms to 3s. The scale is designed so that you can play with feedback nuances at the short delays and, basically, you can use the module as an instrument on it's own

### PING PONG

Select regular stereo or ping-pong mode. In HOLD mode – setting this switch to Ping-Pong will bypass stereo-spread

### MODE

Select the delay mode – Tape or Digital (no pitch shifting)

### IN LVL

Adjust input level to avoid clipping! Also, when ADDing samples in HOLD mode, you can adjust volume of each layer

### FEEDBACK

Adjust feedback level! In full CW setting the module will go to self oscillation

### DRY/WET

Adjust Dry/Wet setting manually! This is full analogue circuit, and you also can control Dry/Wet via CV

### HOLD

Push the Hold button to record an incoming signal in the module memory buffer. You can record up to 20" of audio, and the module will start to loop the recorded buffer. To exit looping mode, push the HOLD button again. The LED will lit, when the hold mode is active. You can still apply delay and adjust feedback on the audio in the record buffer

### ADD

When in Hold mode, push the ADD button to add more loops to the hold buffer (overdub). You can also set the stereo spread between L and R channels by adding some extra delay to the R channel. In order to do so, make sure HOLD mode is off, push and hold ADD button and rotate the TIME knob to set desired stereo spread. To remove stereo spread, rotate time potentiometer full CCW (3ms) or double-click the ADD button

### REVERSE

Hit the REVERSE button to reverse delayed signal. Note that it will not reverse audio in the record buffer, only the delayed signal will be reversed

### TAP

Use TAP button to synchronize the delay time to the BPM. To exit sync mode simply turn the TIME knob

### TRIGGER INPUTS

These are trigger inputs that copy the action of relevant buttons. Use the trigger sequencer to create the rhythmic delay patterns or complete mess.

### IN L / IN R

These are L and R audio inputs. If you patch two different mono signals here and have ping-pong off, you'll have 2xmono delay

### TIME CV / MIX CV / FBK CV

These are CV inputs to control relevant parameters

### OUT L / OUT R

These are L and R audio outputs



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.

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.ericsynths.lv](http://www.ericsynths.lv) or via e-mail [info@ericsynths.lv](mailto:info@ericsynths.lv)

You will find Erica Synths terms of warranty at [www.ericsynths.lv](http://www.ericsynths.lv)  
Items for return, exchange and/or warranty repair have to be sent to:  
Erica Synths  
Andrejostas Str. 43  
Riga  
Latvia  
LV-1045