

THANK YOU FOR CHOOSING 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!

If the doors of perception were cleansed everything would appear to man as it is, infinite. / William Blake /

Erica Synths **Black Hole DSP II**, an updated version of Black Hole DSP features 24 custom effects, designed in close co-operation of Erica Synths team rider KODEK and creator of Spin CAD software Gary Worsham. Each effect has 3 manually and CV controllable parameters, manual and CV control over sampling frequency for spanning from 48kHz to really Lo-Fi crunchy sound and full analogue dry/wet control. All effect parameter settings can be saved to the memory and instantly recalled with the effect, which makes Black Hole DSP II ideal for live performances.

FEATURES:

- 24 custom effects based on Spin FV-1 chip Stereo INs and OUTs
- 3 manually and CV controllable parameters
- CV controlled effect select
- Manually and CV controllable clock rate reduction for noisy bitcrush
- Effect settings memory
- Full analogue Dry/Wet control
- Audio clipping LED

Clipping LED. Adjust the input signal level so that LED lights up accidentally

This is sample rate knob. Turn it clockwise to reduce clock rate and get vintage tape echo like effects and extreme bitcrush

Use these potentiometers to adjust the effect parameters! Refer to the table below for parameter description! All parameter settings can be saved with the effect (PATCH) and recalled instantly. If you wish to alter saved parameter settings, rotate the potentiometer until the segments in the patch number screen flash once – this means, you have reached initial setting of the parameter and you start to altering it.

This is the input level attenuator – make sure that clipping LED is not lit

These are audio signal inputs. The Left input is normaled to the Right, so you can input mono signal and get impressive stereo effect

This is Dry/Wet CV input. The module has full analogue dry/wet circuit

The display shows currently selected effect. The effect is activated by pushing the PATCH encoder promptly, and a dot in the bottom left corner will appear – this indicates that the effect is on. When a Parameter knob returns to the saved position, a dot will blink once.

The encoder has several features. Rotate the encoder to select one of 24 effects. Push the encoder promptly to confirm the selection and activate the effect. Push and hold the encoder to save (a display will indicate SA) all parameter settings with the effect! To recall parameter settings, push the encoder twice (the display will indicate RC)

This is Crush CV attenuator

This is manual Dry/Wet control. If you want to use the Black Hole DSP II as send effect unit make sure you set this knob all way CW (full wet)

These are CV inputs for each parameter control. Patches will change on very slow CV rates only, as the module requires some time to read patch from the memory

Signal outputs. All effects are designed for stereo outputs, but they sound great also mono



TECHNICAL SPECIFICATIONS:

- Input signal amplitude-5...+5V (or 0...+10V)
- Output signal amplitude.....-10V - +10V
- Max sampling rate.....48kHz
- CV level (full span).....-5V - +5V
- Power consumption.....+170mA, -56mA
- Module width.....16HP
- Module depth.....35mm

Nr.	FX	PARAMETER 1	PARAMETER 2	PARAMETER 3
1	DUAL DELAY	FEEDBACK	TIME LEFT	TIME RIGHT
2	CHIRP DELAY	FEEDBACK	DELAY TIME	CHIRP AMOUNT
3	LOWPASS DELAY	FEEDBACK	DELAY TIME	LOW PASS FILTER
4	HIPASS DELAY	FEEDBACK	DELAY TIME	HI PASS FILTER
5	TAP TAP DELAY	FEEDBACK	DELAY TIME	FEEDBACK TAP TIME
6	HELLRAISER DELAY	FEEDBACK	DELAY TIME	RAISER // ON AFTER 12 O CLOCK
7	PHAZED DELAY	FEEDBACK	DELAY TIME	PHAZER AMOUNT // ADDS 3RD TAP
8	GRANULAR DELAY	FEEDBACK	GRAIN SIZE	WIDTH
9	PITCH SHIFT DELAY	FEEDBACK	DELAY TIME	PITCH SHIFTER
10	SHIMMER DRIFT	PRE DELAY	REVERB SIZE	SHIMMER PITCH (-/+12 semi)
11	SHIMMER +	PRE DELAY	REVERB SIZE	SHIMMER AMOUNT (+12 semi)
12	SHIMMER -	PRE DELAY	REVERB SIZE	SHIMMER AMOUNT (-12 semi)
13	BIG / HALL REVERB	PRE DELAY	SIZE	STONE
14	ROOM REVERB	PRE DELAY	SIZE	STONE
15	STALKER REVERB	FEEDBACK	SIZE	STONE
16	SATURATED REVERB	SATURATION	REVERB SIZE	STONE
17	HAVOC CHORUS	FEEDBACK	RATE	WIDTH
18	SERVO FLANGER	FEEDBACK	TIME LEFT	TIME RIGHT
19	RIPPER	OVERDRIVE	BITCRUSH	RIP
20	SPACE PHASER	FEEDBACK	PHASE LEFT	PHASE RIGHT
21	DUAL PITCH SHIFTER	SHIFT 1 (-12/+12)	SHIFT 2 (-12/+12)	CROSSFADE (1/MIX/2)
22	LP FREEZER	AFTER 12 - RECORD	10ms - 500ms	LOW PASS FILTER
23	HP FREEZER	AFTER 12 - RECORD	10ms - 500ms	HI PASS FILTER
24	DRONE BANK	FREQ 1	FREQ 2	FREQ 3

* For effects 19, 22, 23, 24 dry/wet control should be full wet.

** Controls in bold may increase output level radically - use them carefully!

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. 43, 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 Edmunds Pavlovskis.
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

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