

Erica Synths – Stereo Reverb

- [Manual PDF](#)
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[Erica Synths Black Stereo Reverb Manual \(PDF\)](#)

Erica Synths Black Stereo Reverb – Cheat Sheet

A high-end stereo reverb based on Tape, BBD, and Digital emulations with CV control of key parameters and 10 preset slots.

INPUTS & OUTPUTS

Jack/Button	Function	Voltage Range
R IN	Right signal audio input	up to 16 Vptp
L (MONO) IN	Left signal audio input (Mono normalized to R)	up to 16 Vptp
SIZE CV	CV input – alters SIZE knob (1V/oct tracking)	-5V to +5V
TONE CV	CV input – alters TONE/SPN knob	-5V to +5V
FBK CV	CV input – alters FEEDBACK knob	-5V to +5V
PATCH	CV input – switches between preset patches	-5V to +5V

Jack/Button	Function	Voltage Range
FREEZE (Trig)	Gate/Trigger input for FREEZE/unfreeze loop	+5V trigger/ Gate
R OUT	Right audio output	-
L OUT	Left audio output	-

KNOBS, BUTTONS, SWITCHES & THEIR FUNCTIONS

Control	Description
SIZE	Adjusts simulated room size; also selects preset slots (with SHIFT)
SIZE CV (Attenuator)	Attenuates incoming SIZE CV signal
FEEDBACK	Adjusts reverb feedback amount (self-oscillates fully CW)
TONE/SPN	Sets reflective tone or "spins" reverb across stereo field
DRY/WET	Manually set blend; full analog dry/wet circuit
SHIFT (button)	Hold for alternative actions (preset save/recall, spin control)
FREEZE (button)	Trigger to freeze/unfreeze buffer; also used for saving presets
SAVE (TAP/SAVE, button)	Save preset to selected slot (hold SHIFT, rotate SIZE, hold SAVE 1s)
TYPE (toggle 3-pos)	Tape, BBD, "Dirty BBD" algorithms

Control	Description
MODE (toggle 3-pos)	Room, Hall, Cathedral (early/late reflection mixes)

PRESET MANAGEMENT

- **Save:** Hold SHIFT, rotate SIZE to pick slot (LEDs show slot), then hold SAVE for 1s.
- **Recall:** Hold SHIFT, rotate SIZE to slot, press TAP to load.
- **Spin reflections:** Hold SHIFT and rotate TONE/SPN knob.
- **Presets:** 10 slots, chosen via SIZE when SHIFT held (LED bar shows both levels & presets).

FREEZE FUNCTION

- **Manual:** Press FREEZE button.
- **CV:** Patch gate/trigger to FREEZE jack.
- **Playback rate in FREEZE:** Use SIZE knob or SIZE CV.

FIRMWARE UPDATE

1. Download firmware audio.
 2. Connect audio out to L(MONO) IN, set TYPE to D.
 3. Hold SHIFT + FREEZE, power on (5 right-side LEDs blink).
 4. Play audio (left LEDs = input level; at least 3 on).
 5. FREEZE blinks during update; SHIFT lights if error.
 6. Restart rack after update.
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Reference Table

Feature	Voltage/CV Range	Notes
Audio inputs	up to 16Vptp	Left input normalled to right if mono
CV ins	-5V to +5V	SIZE input tracks 1V/oct
Audio outs	-	Stereo out
Power Usage	+12V: 120mA / -12V: 39mA	
Module Width	12HP	
Depth	35mm	

Quick Start

1. Patch audio to L(MONO) IN (R IN for stereo).
 2. Output: L OUT and R OUT to mixer/speakers.
 3. Select reverb TYPE and MODE.
 4. Set SIZE, FEEDBACK, and TONE/SPN (use corresponding CVs for modulation).
 5. Adjust DRY/WET to taste.
 6. Use FREEZE to hold reverb tail/freeze buffer.
 7. Save/recall presets with SHIFT + SIZE + SAVE/TAP.
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Manual: https://www.ericsynths.lv/media/Black_Stereo_Reverb_manual_1_01.pdf

Generated With Eurorack Processor: <https://github.com/nstarke/eurorack-processor>