Erica Synths — Black Delay

• Manual PDF

Erica Synths Black Stereo Delay - Full Manual PDF

Erica Synths Black Stereo Delay – Cheat Sheet

A high-performance stereo delay module with tape, digital, and ping-pong modes; hold/overdub features; wide range of CV control; and dedicated trigger, reverse, and stereo spread options.

Inputs & Outputs

Jack	Function	Voltage Range
IN L	Left audio input	≤16Vptp (before clip)
IN R	Right audio input	≤16Vptp (before clip)
TIME CV	CV control over delay time	−5V to +5V
MIX CV	CV control over dry/wet mix	−5V to +5V
FBK CV	CV control over feedback	−5V to +5V

Jack	Function	Voltage Range
TRIGGER INPUTS	For 'TAP', 'HOLD', 'ADD', and 'REVERSE' actions	0–8V (min 2V=high)
OUT L	Left audio output	–
OUT R	Right audio output	–

Controls: Knobs, Buttons, and Switches

Control	Function
TIME (large knob)	Sets delay time: 3ms – 3s (manual); disables sync when moved; also sets stereo spread (hold ADD, twist)
IN LVL	Adjusts input gain (prevent clipping; layer volume in hold/ADD mode)
FEEDBACK	Sets amount of delayed signal feedback (full CW = self-oscillation)
DRY/WET	Sets blend between dry & delayed (wet) signal (analog circuit; CV controllable)

Buttons

Button	Function
TAP	Tap-tempo syncs delay time to BPM; exit sync by turning TIME
HOLD	Captures/loops up to 20s of audio; press again to exit looping; LED lit when active

Button	Function
ADD	Overdub into hold buffer; hold ADD & turn TIME to set stereo spread; double-click or full CCW TIME to zero spread
REVERSE	Reverses currently delayed signal (not hold buffer)

Toggles/Switches

Switch	Function
PING PONG	Toggle stereo (off) or ping-pong (on) delayed signal; in HOLD, disables spread
MODE	TAPE: Tape emulation (with pitch); DIGITAL: Clean/digital (no pitch shift)

Special Features & Tips

- **CV Inputs**: All CVs expect −5V to +5V for full parameter range.
- **Feedback Compression**: Soft-limiting prevents runaway feedback.
- **Hold/Overdub**: HOLD records up to 20", ADD overdubs more layers.
- **Stereo Spread**: In normal playback, set by holding ADD + turning TIME.
- **Sync/Tempo**: TAP sets delay time; turning TIME disables sync.
- **Trigger Inputs**: Any function button can be triggered externally by patching to its respective input (sequencer, LFO, etc).
- **Reverse**: Affects delayed (live) signal only; not held buffer.

Quick Reference: Typical Patch Examples

- **Mono input, stereo delay:** Patch to IN L only; OUT L/R gives stereo image.
- **Stereo input:** Patch to both IN L and IN R.
- **Dual mono delay:** Two unrelated signals to IN L and IN R (PING PONG off).
- **Clock-synced delays:** Patch clock or sequencer to TAP.
- **Creative overdub:** Use HOLD for live loops, ADD for layering, tweak IN LVL and feedback for evolving textures.
- **CV delay time sweeps:** Modulate TIME CV for flanging/chorusing.
- **External triggers:** Patch gates to HOLD, ADD, REVERSE for rhythmic manipulation.

Specifications

- **Delay Range:** 3ms–3000ms (3s)
- **Input Overload Limit:** 16Vptp
- **Frequency Range:** 5Hz–24kHz
- **Sample Rate:** 24bit / 48kHz
- **CV Range:** –5V to +5V (TIME, MIX, FBK)
- **Trigger Input Threshold:** 2V (for HIGH)

Official Website & Warranty Info: ericasynths.lv

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