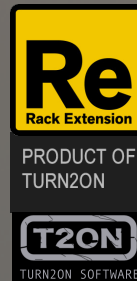




BADSTORM

CUSTOM PHASE SHIFTER



[RACK EXTENSION]
MANUAL

FX device by Turn2on Software



Introducing the **BadStorm** Phase Shifter, inspired by the legendary *EHX™ BadStone* phaser pedal.

BadStorm brings a modern twist to a classic sound, packed with powerful new features and expanded capabilities for the discerning audio enthusiast.

The *Electro-Harmonix Bad Stone*, released in the 1970s, was a groundbreaking phaser pedal known for its lush, sweeping modulation and rich tonal character. It quickly became a favorite among guitarists and producers for its ability to add depth and movement to any sound, creating a unique sonic texture that defined many classic recordings. Its six-stage phasing and manual phase control set a new standard in the world of modulation effects.

The **BadStorm** Phase Shifter builds upon the iconic sound of the original Bad Stone, adding a wealth of new features and enhancements that push the boundaries of what a phaser can do. Whether you're looking to recreate the vintage warmth of the original or explore new sonic territories, BadStorm is your ultimate phase-shifting tool.

Three Distinct Models with own sweep range:

- Mk-I: Inspired by the rev.1 of the original pedal (0.2-30 Hz).
- Mk-II: the classic sound of the original pedal, delivering the rich, creamy phases that defined an era (0&05-32 Hz).
- Mk-X: A modern take with an extended frequency range for broader and more dramatic phase effects (0.01-65 Hz).

Advanced Modulation Controls:

- Rate Sync: Sync the modulation rate to your project's tempo for perfectly timed effects.
- Depth and Spread: Fine-tune the intensity and stereo spread of the phase modulation.
- Feedback and Feedback Cut: Control the resonance and eliminate low-frequency muddiness.
- Low-Pass and High-Pass Filters: Shape the tonal character of your phasing effect with precision.
- LFO Customization:
 - Waveform Selection: Choose from various LFO waveforms to tailor the modulation to your needs.
 - ReTrig and Invert Modulation: Add rhythmic complexity and reverse the modulation phase for unique soundscapes.
 - Depth Modulation: Modulate the depth parameter itself for evolving and dynamic effects.
 - Mix Control: Blend the wet and dry signals to achieve the perfect balance of effect and original tone.

BadStorm is designed for musicians and sound designers who demand versatility and quality. It offers both a nostalgic journey and a leap into new sonic dimensions. Whether you're crafting ambient soundscapes, adding movement to your mixes, or looking for that perfect phaser sound, BadStorm delivers unmatched versatility and depth.

Experience the next evolution in phase shifting. Elevate your sound with **BadStorm**.

Device inspired by the legendary BADSTONE™ pedal

BADSTORM



MODE	In Auto mode, LFO modulates the phase shifter. In Manual mode, LFO is disconnected and the Manual shift knob sweeps the phase shifter.
SYNC (Auto Mode)	Synchronize the Rate to tempo. Switch rate control between Hz value and synced speed to tempo value (quarter-note beats)
RATE	Adjusts the speed of the phasing sweep (modulation rate) with Hz or tempo-sync value
MANUAL	Sweeps through the phase shifter's range, creating a kind of "wah" sound. For maximum effect, make sure the Feedback is in its maximum value. Active when the Mode is set to Manual mode
STATUS LED	Light up at the end of every LFO modulation cycle. When the incoming signal is not active, fx processing stops and LED visualization of the LFO position is stopped.
FEEDBACK	Changes the sound of the phase shift between a full phase shift to a more pronounced phase shift, adding resonant peaks between the notches.
FEEDBACK CUT	Reduce phase shift feedback processing at selected low frequencies.
DEPTH	Control the depth of the phasing effect. Higher settings produce more pronounced modulation, while lower settings yield subtler results.
SPREAD	Adjust the stereo spread to widen the phaser's spatial presence. Offset between L/R channels
BOOST	Engage the Boost feature to add gain to the phaser effect, enhancing its presence and impact.
MIX	Mix between the Dry (incoming) and Wet (processed) signals
INPUT	Level of the dry (unprocessed) input signal before it goes to the Mix control
LP FILT	Lowpass Filter (12 db/oct): Cut High frequencies
HP FILT	Highpass Filter (12 db/oct): Cut Low frequencies
MODEL	Mk-I (1st rev. of pedal: 0.2 - 30 Hz), Mk-II (modern rev: 0.05-32 Hz), Mk-X (wider range: 0.01-65 Hz)
AUTO MODE RANGE	Active only at Auto Mode. Switch only synced tempo Rate parameter between original rate range (1/64D..20/4 BAR) and Wide range (1/64D .. 24 BAR)
ENABLE	BYPASS - disable effect. ON - enable effect. OFF - mute incoming signal
BYPASS	Soft Bypass with smoothed fade in/out functionality. LED light up when fx processing is disabled

REAR PANEL



LFO WAVEFORM	Set internal LFO waveform: Sine, Triangle, Square, Saw, Saw Rise, Drop, Intro, Outro, Random, Morph, Slide, Blaster, High Blast, Drift
LFO RETRIG	Restart the LFO after pauses at the audio input (Hz mode only), and when the reference bar beat changes
DEPTH INV	Reduce the modulation instead of increasing it
DEPTH MOD	How much the modulation value affects the LFO depth

AUDIO I/O | Mono or Stereo connections for audio signals.



SIGNAL ROUTING
Spreading fx



CONNECTORS

CV INPUTS | Use these CV inputs to control the main parameters by external CV source curves



MIDI CC CHART

FX Activity	CC12	Rate Synced	CC18	Mix	CC24
Model (Mk)	CC13	Manual Shift	CC19	LP Filter	CC25
Mode	CC14	LFO Sync	CC20	HP Filter	CC26
Rate Mk-I	CC15	Feedback	CC21	Feedback Cut	CC27
Rate Mk-II	CC16	Depth	CC22	Input Level	CC28
Rate Mk-X	CC17	Spread	CC23	Boost Level	CC29

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CUSTOM PHASE SHIFTER

Reason Studios Add-on Shop



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Turn2on

Rack Extension Developer



Thank you very much for supporting us by choosing our products.

This allows us to develop future interesting and creative effects / utilities / instruments in the Rack Extension format.

We try to keep prices as low as possible. Don't hesitate to contact support with any questions regarding our products or to offer your own ideas for product updates or even new products you would like developed.

