Erica Synths Hexinverter Mutant Modules



Erica Synths introduces four re-issues of classic Hexinverter drum modules – the Mutant Bassdrum, Mutant Snare, Mutant Clap and Mutant Hihats! These modules are perfect for anyone with a taste for classic TR808/909 sounds, but with a greatly expanded tonal range with voltage control over parameters and, of course, optional high distortion. Erica Synths also offers these four modules as a bundle at a reduced price.

Mutant Bassdrum

What do you get when you combine voltage controlled distortion and one of the most infamous bassdrums? Hexinverter took one of the most revered bassdrum synthesis designs of all time – the TR-808 and completely redesigned it for use in a modular analogue synthesizer.

Features:

- Analogue bassdrum circuitry capable of vanilla TR-808 sounds
- Built in voltage controlled distortion (batteryACID distortion)
- Distortion accepts external inputs when not being used with kick drum (great for acid synth leads)
- Voltage control of distortion amount
- Voltage control of decay from short kicks to long "ooooooooomphs"
- Voltage control of pitch (approximates v/oct response, but not musically tuned)
- Non-invasive analogue optocouplers used for voltage control, thus, completely vintage sounds can still be had if that's what you're after!

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- Completely redesigned, hi-fi signal chain spares no expense by replacing cheap transistor amplifiers with low noise opamp equivalents

Mutant Snare

Designed by Hexinverter, from classic electro snares to warping, alien percussion, the Mutant Snare is a radical departure from the static sounds of the TR-808.

Features:

- Analog bridged-t sinewave oscillators, for those organic-sounding tones we've come to love from the 808
- TONE control blends between the two sinewaves of different frequency
- SHELL PITCH lets you tune one of the sine waves, to change the pitch of your snare drum
- SNAPPY adds some noise to the snare
- an analog white noise generator feeds the SNAPPY circuit
- an external input lets you patch any sound source you like into the SNAPPY generator
- voltage control of SNAPPY decay
- SNAPPY feeds into an analog selectable high-pass or band-pass filter
- voltage control of filter cutoff frequency
- when nothing is plugged into the cutoff CV input, the SNAPPY envelope OR the adjustable sinewave from the SHELL generator normalize through the CV attenuverter for
- cutoff CV. A jumper on the back of the module allows you to select which of these internal modulation signals are routed here
- filter has three resonance settings: classic 808 (low resonance), high resonance, and self oscillation
- bipolar attenuators (aka: 'attenuverters') on CV inputs

Mutant Clap

The iconic clap sound of the TR-909, but with all the features we all wished the original had. Hexinverter’s take on this design adds some much-needed range and depth. The clap is a highly versatile module – it is a voltage-controlled LFSR noise oscillator as well as a powerful percussion synthesis engine.

Features:

- Feature-rich, analogue handclap percussion synthesis reminiscent of the 909
- Pitch control of noise generator means you can create everything from vanilla 909 claps to broken, chiptune-like alien sounds
- Doubles as a voltage controlled, Commodore64-sounding noise VCO via the NOISE output and PITCH CV input

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- SUSTAIN control lets you crank up the clap's sustain and use the module as an abstract synth voice with external inputs!
- External input allows you to synthesise claps from virtually any sound source you plug in
- Built in internal reverb effect derived from clap tone
- Reverb decay forms the decay of the clap sound, and is fully voltage controllable from short reverb "snaps" to long, whooshing tails!
- You can select between internal and external noise sources as the source for the reverb sound generation, opening up really interesting sounds
- DRIVE control lets you dial in anything from clean to extremely overdriven sounds
- Bandpass filter cutoff control

Mutant Hi-Hats

A classic electro percussion synthesis design reborn as something completely different. Hexinverter wanted to recreate a classic hihat synthesis design as something new and exciting, so they took the super electro 808 circuit and transformed it into a powerful creative tool for modular synthesis.

Features:

- Analogue hihat circuitry capable of synthesising vanilla TR-808 open and closed hihat sounds (simultaneously)
- External audio input lets you synthesise hihats from virtually any sound source (Jupiter Storm, vcNOIZ, etc.)
- Lo-fidelity original VCAs replaced by OTA-based modern VCAs
- VCA DRIVE control for each hihat allows you to dial in anything from soft metallic hihats to extremely overdriven, crunchy hihats
- Exclusive switch lets you select how the two hihats (open/closed) interact with eachother when triggered at the same time
- Cutoff frequency control for internal resonant bandpass filter
- Resonant filter can be switched on/off
- Modular level mutual accent input (0-5V CV)
- Trigger input accepts almost anything as a trigger signal
- Non-invasive analogue optocouplers used for voltage control, thus, completely vintage sounds can still be had if that's what you're after!
- Completely redesigned, hi-fi signal chain spares no expense by replacing cheap transistor amplifiers with low noise opamp and OTA equivalents

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