HATS909 — *Hi-Hats Drum Module*



8HP | D1.4"
+12V@33mA -12V@22mA

Introducing the HATS909, part of our new series of drum modules that brings those classic percussion sounds into the modular synth world, instantly turning your system into a self-contained music machine.

The HATS909 is the TR-909's original Closed and Open Hi-Hats circuits adapted for use in Eurorack modular synthesizer format and was tested to sound like a machine coming fresh off the assembly line back in the 80's. Improving on the original, we have added some great new features that expand the sound palette of hats that can be produced with this small, powerful module.

The original TR-909 circuit is made with a combination of low-fi 6-bit sound samples that pass through a series of analog elements to provide envelope and filtering to the source sound. The HATS909 module allows for manual and voltage control of the sample's tuning, which provides anything from crushed hats and short ticks to the original sound and anything in between. A modulation switch allows you to tap a voltage control to either the tune input or the internal VCA for modulation with external control signals or for adding AM or FM synthesis in the audio range from external oscillators, other drum sounds, or just about any sound source. HATS909 also offers a switch for a direct tap to the output of the original sample, bypassing all other internal analog processing, giving you the pure source sound for synthesis any way you want with your own modules.

Just like the other drums in this series, the HATS909 high-powered output gain stage allows you to further harmonize the sound through distortion and clipping. On each gate input, we have designed a dual pulse-shaper circuit so you can trigger your HATS909 with trigger/gate signals from step sequencers, clock dividers, or any other pulse/clock sources.

For more information, please check the HATS909 User Guide ▶

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