Hat

Hat

CLOSED

OPEN

DECAY

SIZZLE

BLEND

OUT

2hp

Contents

Description

Hat is a hi-hat cymbal with a wild side. Finding something unique is easy with a blend of sounds ranging from robotic to metallic. At its core are three unique sound sources made up of six oscillators, a noise generator, and a number of filters. Sizzle affects each source independently, adjusting oscillator and filter frequencies, allowing for a broad range of sounds. In addition, separate trigger inputs for open and closed allow for a complete hi- hat pattern on a single module. No matter what situation it's in, Hat provides shimmering, metallic timbres for any percussive purpose.

- Versatile hi hat with six oscillator architecture

- Separate trigger inputs for open and closed hat sounds

- Sizzle!

Installation

To install, locate 2HP of space in your Eurorack case and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems, the negative 12 volt supply line is at the bottom. The power cable should be connected to the module with the red band facing the front of the module.

Specifications

- Size: 2HP
- Depth 42mm
- Current Consumption:
    - +12V: 83mA
    - -12V: 2mA

Diagram

Hat

1 CLOSED

2 OPEN

3 DECAY

4 SIZZLE

5 BLEND

6 OUT

2hp

Functional Overview

1. Closed

Triggers the closed hi-hat sound

2. Open

Triggers the open hi-hat sound

3. Decay

Controls the amount of time that it takes the audio to decay completely to silence.

The open hi-hat takes 5x longer than the closed hi-hat to decay.

4. Sizzle

Controls a timbral adjustment specific to the sources selected by the blend control.

For the ring modulated source, this controls the frequencies of all six oscillators. For the noise, this controls the cutoff frequency of the filter on the noise. For the cymbal model, this controls the brightness of the cymbal sound.

5. Blend

Controls the mix of three different sound sources.

When set to the far left, the signal is a ring-modulation of different groups of six oscillators. When set to the middle, the signal is filtered noise. When set to the right, the signal is a set of six oscillators configured to model a cymbal sound.

6. Out

Output of the cymbal sound.

10Vpp signal