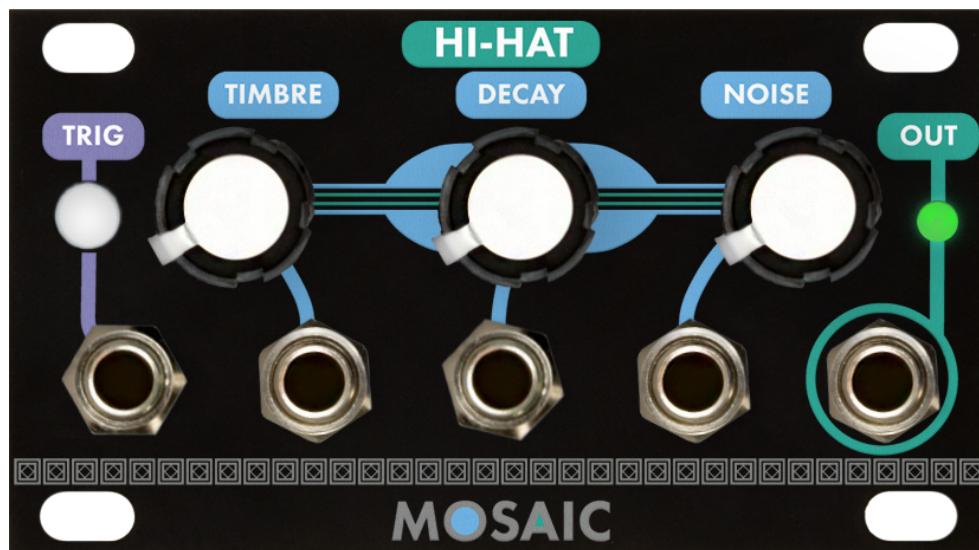


# HI-HAT

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Manual



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# THINGS TO KNOW

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## What is 1U?

1U is a measurement of height in the 19" rackmount standard. Eurorack modules adhere to 3 rack units, or 3U. Mosaic tiles adhere to 1 rack unit in height, and require appropriate rails to mount in a rack or modular case.

## What 1U format are Mosaic modules?

We ship our modules with [Intellijel 1U formatted front panels](#). If you use the Pulp Logic format, don't worry! You can purchase Pulp Logic replacement front panels on our [Replacement Panels page](#).

## Mosaic Color Guide

Each color indicates a function across the Mosaic lineup.

**Green:** Audio Signals

**Purple:** Gate Signals

**Blue:** Control Voltage

# OVERVIEW

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## Description

Take your hat sounds to the next level with Hi Hat. This synthesized voice gives you the ability to morph your cymbal sounds from the familiar to the far out, with macro control over timbre, decay, and noise.

- Hi-Hat synth voice
- Synthesis Percussive Voice
- CV control over timbre, decay, and noise
- Trig button for manual Hi Hat triggers
- LED sound indicator for visual feedback

## Tech Specs

- Width: 14HP
- 28mm
- Front Panel: Ships in Intellijel format. Pulp Logic replacement panels available [here](#).
- Current Consumption: +12V = 83mA, -12V = 2mA

## Installation

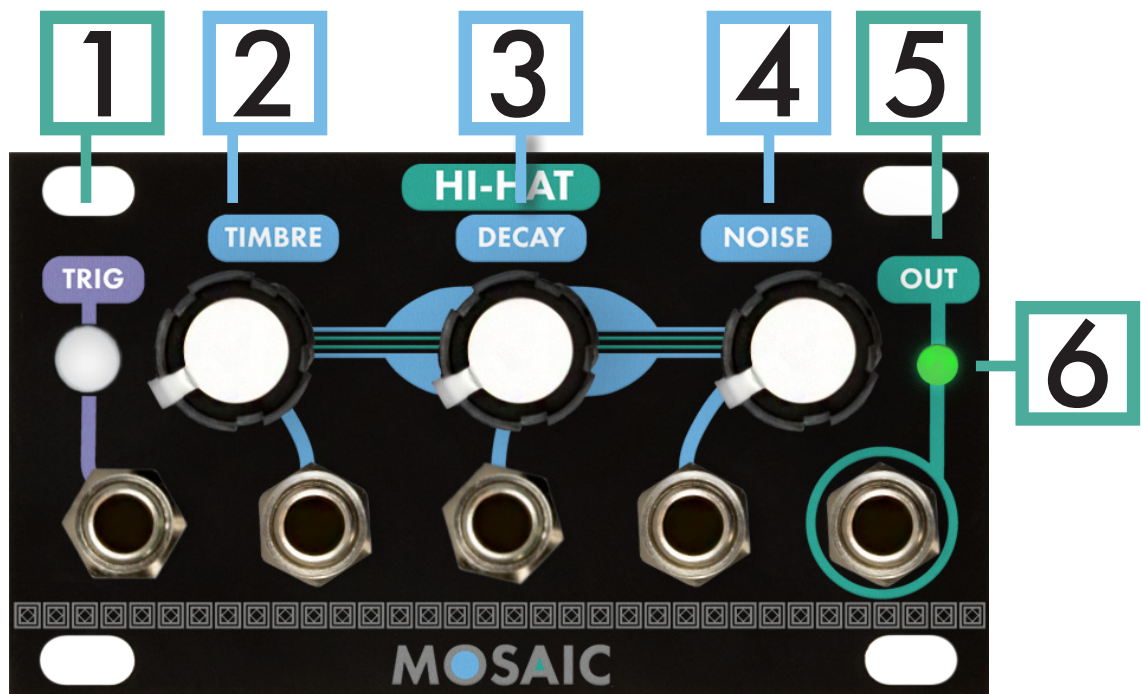
To install, locate space in your Eurorack case for your 1U module, and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most 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.

# DETAILS

## How It Works

Hi-Hat is a complete percussion synth voice. What does this mean? It means the module does not require external modulation to achieve a hi-hat sound. The synthesis based DSP algorithms provide a powerful alternative to sample based drum sounds. Just trigger the sound via the TRIG button or Gate Jack, and let the algorithms do the rest!

## Diagram



# DETAILS

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## 1. Trigger Input

Triggers the Hi-Hat voice either via gate signal at the TRIG input jack or pressing the TRIG button.

Threshold: 2.5V

## 2. Timbre

Adjusts the timbre/sound quality of the Hi-Hat. When the knob is fully left, Hi-Hat carries a deeper, filtered quality. When the knob is fully right, the timbre changes to incorporate additional transients and a high pass filtered sound.

Range: 0V - 5V

## 3. Decay

Controls the Hi-Hat decay. Decay is at its shortest when the knob is fully left, and at its longest when the knob is fully right.

Range: 0V - 5V

## 4. Noise

Controls the white noise amount and quality present in the Hi-Hat voice. When the knob is fully left, the noise is downsampled and bitcrushed. When the knob is fully right, the noise is at full resolution.

Range: 0V - 5V

## 5. Output

Output Jack for audio signal.

Range: 10Vpp

## 6. Output LED

Visual indicator of the sound source.