

# 3:1



## **Description**

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3:1 is a voltage controlled gate switch. It allows the user to send one of three input signals to a single output. Control over the active input allows the user to craft unique rhythmic events from existing gates and clocks within a patch. The module can also function as a gate summer allowing for the creation of polyrhythms from multiple inputs.

- Selective switching and gate summing modes
- Gate to trigger conversion in gate summing mode
- Voltage control over input selection

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## **Installation**

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To install, locate 2 HP 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 3:1 with the red band facing the front of the module.

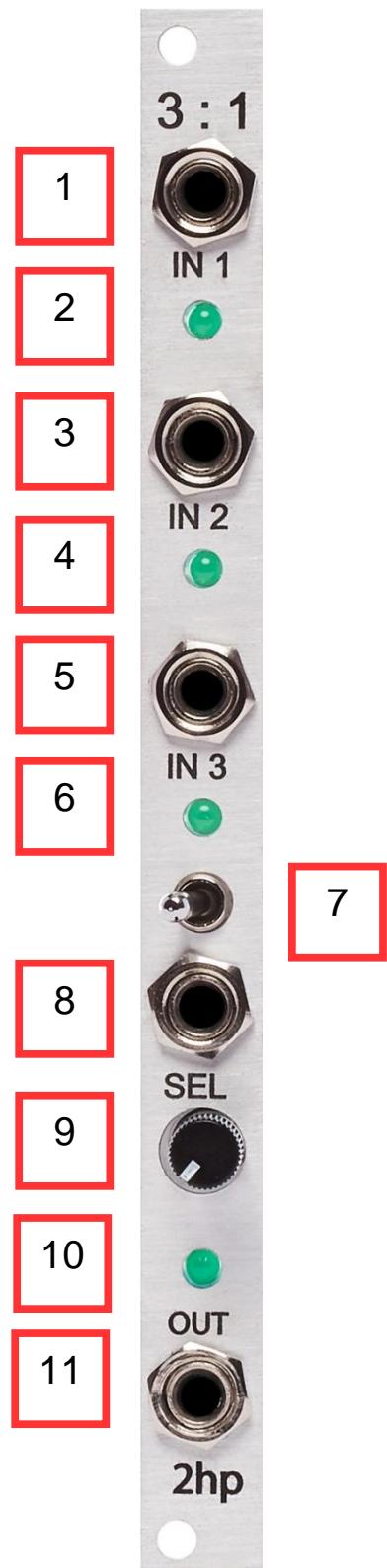
## **Specifications**

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**Format:** 2 HP Eurorack module

**Depth:** 47mm (Skiff Friendly)

**Max Current:** +12V = 32mA  
-12V = 3mA



## **General Functions Overview**

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### **1. IN 1:**

Gate/trigger input for channel 1

Threshold: 2.5V

### **2. IN 1 LED:**

LED that indicates when channel 1 is selected

### **3. IN 2:**

Gate/trigger input for channel 2

Threshold: 2.5V

### **4. IN 2 LED:**

LED that indicates when channel 2 is selected

### **5. IN 3:**

Gate/trigger input for channel 3

Threshold: 2.5V

### **6. IN 3 LED:**

LED that indicates when channel 3 is selected

## **7. MODE:**

Toggle that switches between two modes

If the MODE toggle is in the left position, the currently selected channel will output from OUT

In this mode, OUT will mirror the currently selected input

If the MODE toggle is in the right position, multiple selected channels will sum together and output from OUT

In this mode, OUT will emit 5 ms trigger signals, regardless of the input signal's pulse width

## **8. SEL CV:**

Control voltage input for SEL

Control voltage is added to the knob position

Range: 0V-5V

## **9. SEL:**

Input selection control

If the SEL knob is far left and the MODE toggle is in the left position, IN 1 will be selected

If the SEL knob is far right and the MODE toggle is in the left position, IN 3 will be selected

If the SEL knob is far left and the MODE toggle is in the right position, IN 1 will be selected

If the SEL knob is far right and the MODE toggle is in the right position, IN 1, IN 2, and IN 3 will be selected

## **10. OUT LED**

LED that indicates the voltage present at OUT

**11. OUT:**

Gate/trigger output that will output the voltage present at the currently selected input(s)

Range: 0V – 5V