

# Nse

Noise Generator



## **Description**

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Nse is a white noise generator. The sample rate of the noise can be adjusted allowing for a wide range of sounds all the way from white noise to aliased, low frequency rumble. In addition to its normal operation, VCA mode is accessible where enveloped noise bursts are emitted upon receiving a trigger signal. This facilitates the quick and easy creation of hi hat, snare, and percussion sounds. Whether you're looking for a traditional noise source, or a quick way to generate drum sounds, Nse offers a powerful, high quality solution.

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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 Nse with the red band facing the bottom of the module.

## Specifications

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**Format:** 2 HP Eurorack module

**Depth:** 34mm (Skiff Friendly)

**Max Current:** +12V = 35mA  
-12V = 16mA



## General Functions Overview

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### 1. NRM/VCA:

Toggle that switches between NRM and VCA mode:

If the toggle is in the left position, noise will output continuously

If the toggle is in the right position, enveloped noise will output when a trigger signal is received at the *TRIGGER INPUT*

### 2. TRIGGER INPUT:

Trigger input for enveloped noise in VCA mode

Threshold: 2.5V

### 3. SAMPLE RATE:

#### NRM Mode

Sample rate control for the *NOISE OUT*

If the *SAMPLE RATE* control is far left, the sample rate will be as low as possible

If the *SAMPLE RATE* control is far right, the sample rate will be as high as possible

#### VCA Mode

Sample rate control for the *NOISE OUT* and envelope decay time of the enveloped noise

If the *SAMPLE RATE* control is far left, the sample rate will be as low as possible and decay time will be as long as possible

If the *SAMPLE RATE* control is far right, the sample rate will be as high as possible and decay time will be as short as possible

#### **4. CV INPUT:**

Control voltage input for sample rate and envelope decay time

Range: 0V – 8V

Control voltage is added to the knob position

#### **5. NOISE OUT:**

Noise output for both modes