

# Kick



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## Description

Kick is a bass drum synthesizer with a dramatic timbral range. Its flexible synthesis engine ranges from 808 to IDM with its punchy kicks and smooth distorted tones. 1V/Octave tracking across five octaves allows for tonal sequencing of the entire frequency range. Drop a beat with Kick.

- Flexible kick drum synthesizer
- 1V/Octave tracking across five octaves
- CV over all parameters
- Configurable soft clipping distortion

## **Installation**

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 module with the red band facing the front of the module.

## **Specifications**

- Size: 2 HP
- Depth 42mm
- Current Consumption:
  - +12V: 74mA
  - -12V: 2mA

# Diagram



# **Functional Overview**

## **1. Trig**

Accepts gate input signals to trigger the drum sound.

## **2. Tone**

Sets the tone, and character of the kick drum.

When set to the middle, the sound source for the drum is a clean sine wave, and the pitch modulation index is set to its minimum.

When moved to the right, the sound source remains a clean sine wave, and the pitch modulation index is increased to its maximum.

When moved to the left, the sound source is overdriven, creating a different timbre. The pitch modulation is also increased to its maximum.

The CV input range is -5V to 5V

## **3. Decay**

This control sets the amount of time that it takes the kick drum sound to decay completely to silence.

This control is scaled to be between 80ms and 15 seconds.

CV is added to the pot position. CV between -5V and 5V is accepted

## **4. V/Oct**

1V/Octave input for controlling the frequency of the drum.

This adds to the position of the Pitch knob.

## **5. Pitch**

Knob for controlling the frequency of the drum

## **6. Out**

Output of the drum sound.

10Vpp signal