

Clk



Description

Clk is a voltage controlled clock generator with all of the features a master clock needs. It has an extremely wide range from ten seconds between pulses well into audio rate. In addition, the pause button and CV input provide an expressive feature that is all too often missing in a modular setup. Stop using LFOs or other modulation sources for your master clock, and let Clk do what it's best at.

- Voltage controlled clock generator
- Wide range from 10 seconds to audio rate
- Pause control with button and gate input
- LED clock indication

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Installation

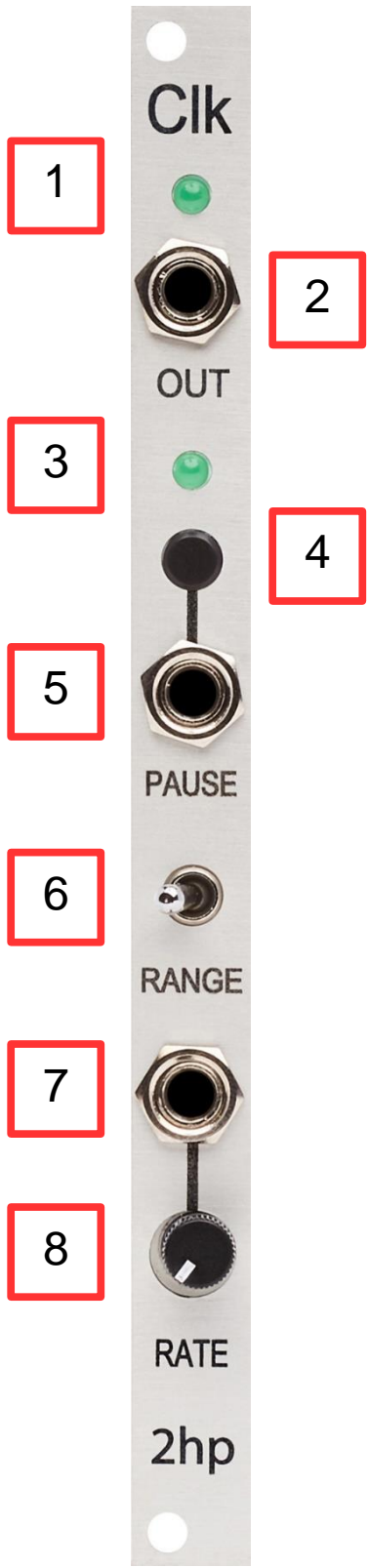
To install, locate 2 HP of space in your Eurorack case and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems,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

Specifications

Format: 2 HP Eurorack module

Depth: 47mm (Skiff Friendly)

Max Current: +12V = 38mA
-12V = 7mA



General Functions Overview

1. CLK LED:

LED that indicates the rate of the clock

2. OUT:

Clock output

Range: 0V – 5V

3. PAUSE LED:

LED that indicates the current play/pause state

If the LED is unilluminated, playback is activated

If the LED is illuminated, playback is paused

4. PAUSE BUTTON:

Button, that when pressed, will stop or start the clock based on its currently selected play/pause state

5. PAUSE:

Gate/trigger input for PAUSE

The clock will stop or start when a rising edge signal is present at the PAUSE input

Threshold: 2.5V

6. RANGE:

Toggle that will switch between two rate ranges

If the toggle is left, the slow range will be selected

If the toggle is right, the fast range will be selected

Slow Range: 10 seconds – 34 ms

Fast Range: 2.44 seconds – 8.5 ms

7. RATE CV:

Control voltage input for RATE

Control voltage is added to the knob position

Range: 0V – 5V

8. RATE:

Controls the rate of the clock

If the knob is far left, the clock will be as slow as possible based on the currently selected range

If the knob is far right, the clock will be as fast as possible based on the currently selected range