Brst

TRIG

PULSES

RATE

TRIG

OUT

2hp

Description

Brst is a voltage controlled burst generator and trigger delay. Upon receipt of a gate signal, Brst will output a stream of triggers. Knobs and CV inputs give the user control over speed and the number of repetitions. Whether you're generating bouncing balls, crafting IDM drum beats, or humanizing a clock signal, Brst will prove an indispensable addition to your rack.

- Voltage controlled burst generator
- CV over number of pulses and rate of output
- Initial trigger can be included or omitted from output
- Wide burst range all the way up to 32 repeats

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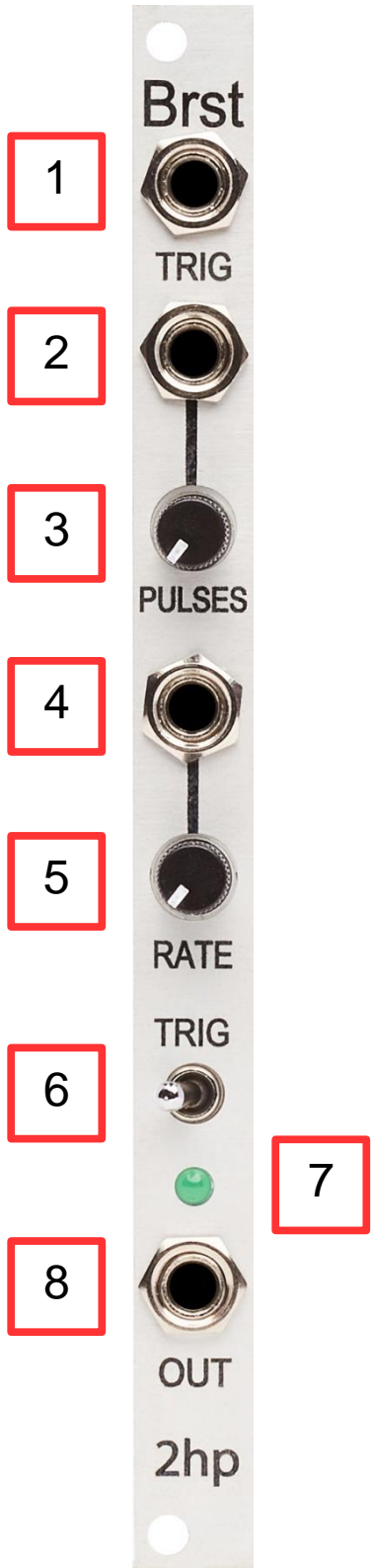
Specifications

Format: 2 HP Eurorack module

Depth: 47mm (Skiff Friendly)

Max Current: +12V = 26mA
                        -12V = 7mA

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1. TRIG:
Trigger input

A stream of trigger signals will emit from OUT when a trigger or gate signal is received at the TRIG input

Threshold: 2.5V

2. PULSES CV:
Control voltage input for PULSES

Control voltage is added to the knob position

Range: 0V – 5V

3. PULSES:
Controls the number of pulses that output when a trigger or gate signal is received by the TRIG input

If the knob is far left, the number of pulses will be set to 1
If the knob is far right, the number of pulses will be set to 32

4. RATE CV:
Control voltage input for RATE

Control voltage is added to the knob position

Range: 0V – 5V

5. RATE:
Controls the delay time in between successive pulses

If the knob is far left, the delay time in between successive pulses will be set to 10ms
If the knob is far right, the delay time in between successive pulses will be set to 500ms

6. TRIG TOGGLE:
Toggle that will include or omit the initial trigger signal

If the toggle is left, the initial trigger signal will be included
If the toggle is right, the initial trigger signal will be omitted

It important to note that if the $\mathrm{TRIG\ TOGGLE}$ is right and the PULSES knob is set to 1, one pulse will emit from OUT and will be delayed by 10ms

7. BURST LED:
LED that indicates the pulses emitted from OUT

8. OUT:
Burst output

Range: 0V – 5V