

# Noise Engineering Variatic Sequent

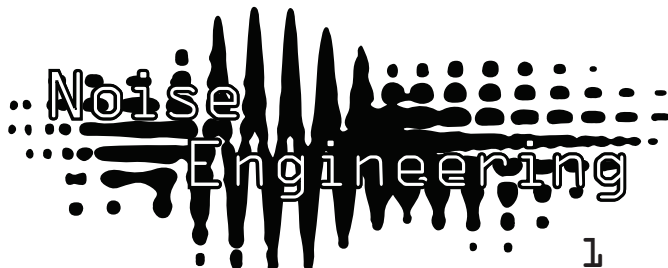
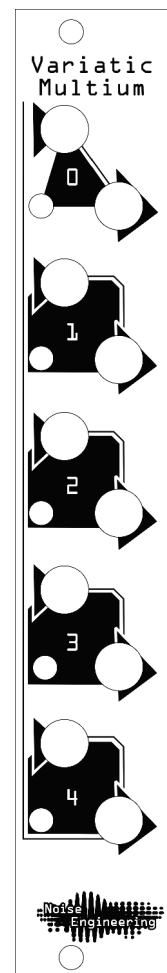
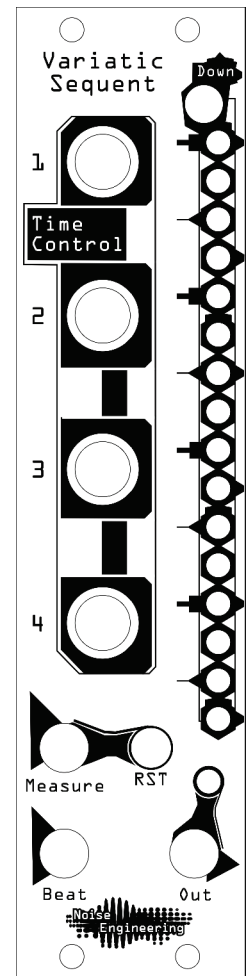
Minimal trigger sequencer with flexible expansion

## Overview

Type	Rhythm Modifier
Size	6HP Eurorack
Depth	.8 Inches
Power	2x5 Eurorack
+12 mA	50 mA
-12 mA	5 mA

Variatic Sequent is a minimal trigger sequencer which allows the manual placement of four triggers across a 16-beat period with four knobs. The Downbeat switch adds an optional fifth trigger.

Send all outputs in one signal or, with the optional Variatic Multium, CV-control and send each trigger separately.



# Noise Engineering Variatic Sequent

Minimal trigger sequencer with flexible expansion

## Patch Tutorial

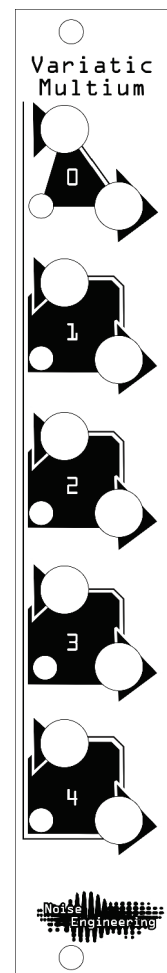
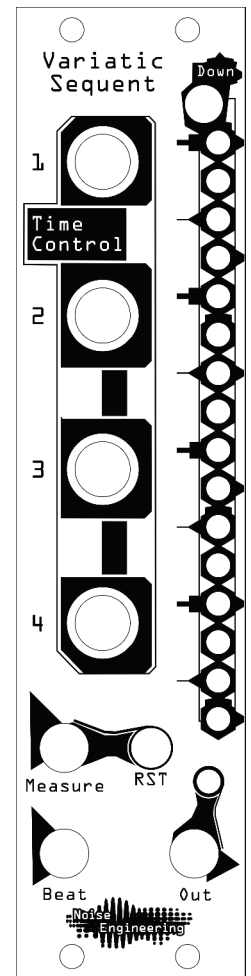
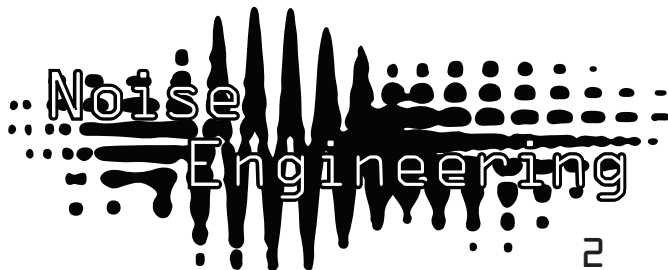
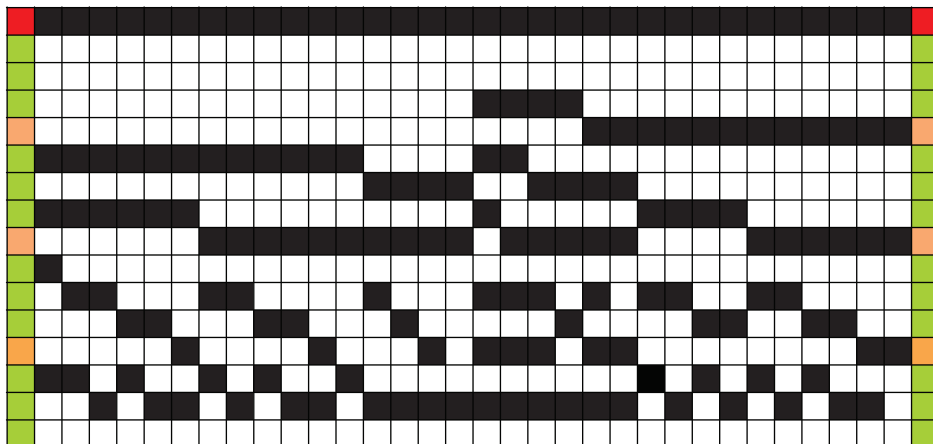
To patch Variatic Sequent, connect an external clock source to the BEAT input (such as Noise Engineering's Horologic Solum or the 2hp CLK) and, if desired, a clock source to the MEASURE input. Patch the output to a triggered sound source, such as Basimilus Iteritas Alter.

Use the TIME CONTROL knobs to adjust the rhythmic patterns generated. Toggle the DOWN switch for an extra trigger on the first beat each cycle.

To send each trigger to a separate audio source and/or to cv-control each trigger, use the optional expander, Variatic Multium.

Patch a CV source to as many triggers as desired, and send each out to a separate audio source. Alternatively, use the CV control in Variatic Multium and send all triggers in a single signal to one audio source for varied patterns.

The following table shows some helpful patterns to get started programming Variatic Sequent. Use the TIME CONTROL knobs to set triggers to fall on beats denoted in each column.



# Noise Engineering Variatic Sequent

Minimal trigger sequencer with flexible expansion

## Interface

### DISPLAY

There are 16 LEDs that display the beat of the trigger. The LEDs are arranged vertically with time advancing downward. Each LED represents a beat. The current pattern is lit, and the cursor indicates the current beat.

### TIME CONTROL 1-4

The four trigger knobs each control the placement in time of a trigger. Placement is indicated on the Display.

### DOWN

Toggle switch to turn Trigger on beat 0 on and off.

### MEASURE

The MEASURE input resets the beat to the start of the measure on a rising edge.

### BEAT

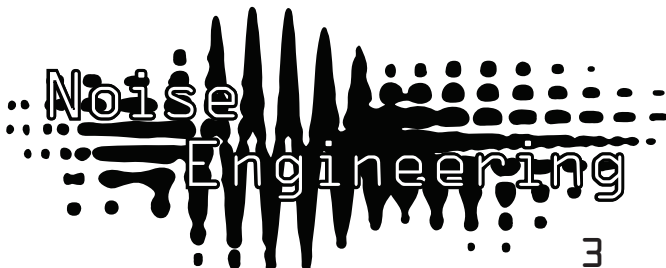
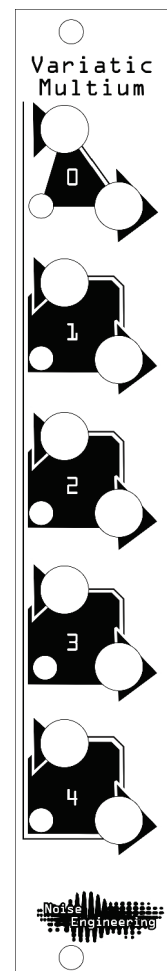
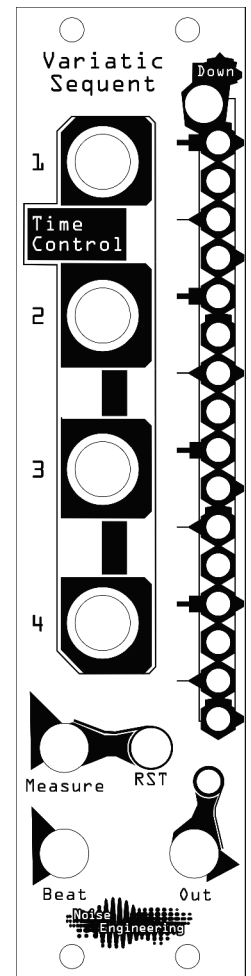
A clock input that drives the current beat forward. It advances on a rising edge; gate length is driven by pulse width of the clock.

### OUT

Trigger output. All triggers in VS are sent to a single output. For separate outs for each beat, use the expander Variatic Multium.

### RST

A momentary button that resets the clock to the beginning of the measure. The RST button can also be used to pause the advancement of time as long as it is held down.



# Noise Engineering Variatic Sequent

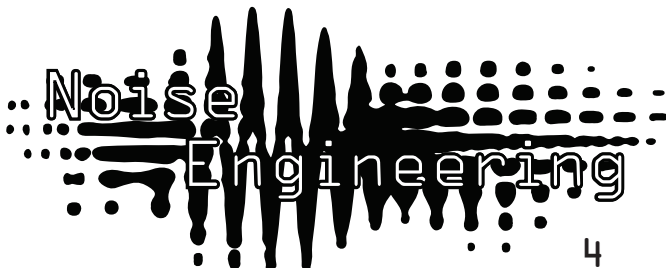
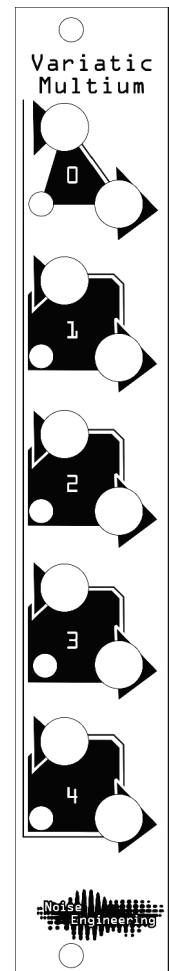
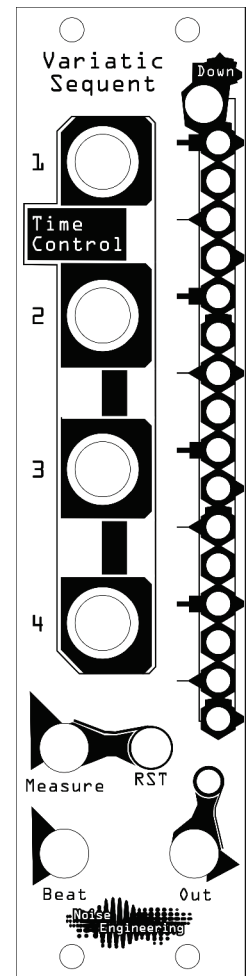
Minimal trigger sequencer with flexible expansion

## Interface

### ABSOLUTE VS. RELATIVE MODE

In Absolute mode, each knob will move beats independently along the 16-LED display. In Relative mode, each knob moves beats relative to each other: all beats may be moved with the turn of the top knob.

To cycle between modes, hold the reset button down while power cycling the module.



# Noise Engineering Variatic Multium

Minimal trigger sequencer with flexible expansion

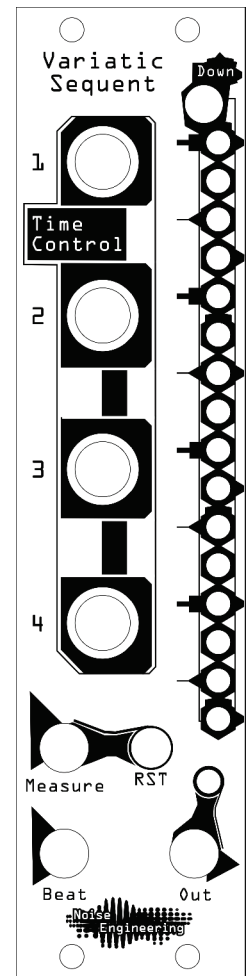
## Interface

CV in 1-4

The four jacks on the left side of Variatic Multium are CV inputs to control triggers individually. When CV is applied, the TIME CONTROL knobs act as offsets.

GL-4

Four jacks on the right of VM correspond to the four beats set by the knobs in VS. Send each to a different triggered sound source.



## Special Thanks

Shawn Jimmerson  
Skyler "kittyspit" King  
William Mathewson  
Mickey Bakas  
Tyler Thompson  
Alex Anderson

