

# How it works

## Explanation

Sequel is a CV & Trigger sequencer, inspired by hardware analogue sequencer modules.

Each step of each of Sequel's 3 rows has a CV Knob (I), a trigger button with an led indicator (J), and an active step led. The voltage outputted by each row's CV output (K) is equal to the value of the CV knob (I) for the currently active step. Similarly the gate output (L) is controlled by switching on or off the gate button (J) for the currently active step.

There are two methods for controlling the speed of Sequel. You can use the internal clock controlled by the speed knob (D), or you can feed an external clock source into Sequel via the external clock in port (A).

## Clock Divide:

One of the most powerful features of Sequel is it's per-row clock divide functionality.

Set a clock divide value for each row using the clock divide knobs (G), the value is indicated via the clock divide displays (H). The clock divide value determines how many clock inputs are needed before that row will progress to a new step. This means that Sequel's rows are able to become out of sync with eachother, allowing for the creation of interesting polyrhythms.

## Gate Modes

Sequel is capable of two different gate modes. The active gate mode is controlled by the gate mode select button (F):

**Trigger mode:** Gates output 10V for a duration of 1ms.

**Continuous mode:** Gates output 10v for as long as gate buttons (J) are toggled on.

