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presents

SYMPLESEQ MKII

dual eurorack analogue sequencer



User Manual v1.0

This user manual applies ONLY
to the MkII version.

Introduction

Thank you for purchasing (or building) a hexinverter.net sympleSEQ dual eurorack MkII!

This module is a very minimalistic dual 8-step sequencer design that is meant to be a very capable basic analogue sequencer in eurorack format.

There are a lot of cool, new, abstract and innovative sequencers on the eurorack market, but, sympleSEQ is inspired by the classic analogue sequencer design of yesteryear. It doesn't do everything and it certainly does not have quantising or MIDI capabilities, but what it does do is basic CV/Gate step sequencing and is designed to be fairly large and playable.

Features

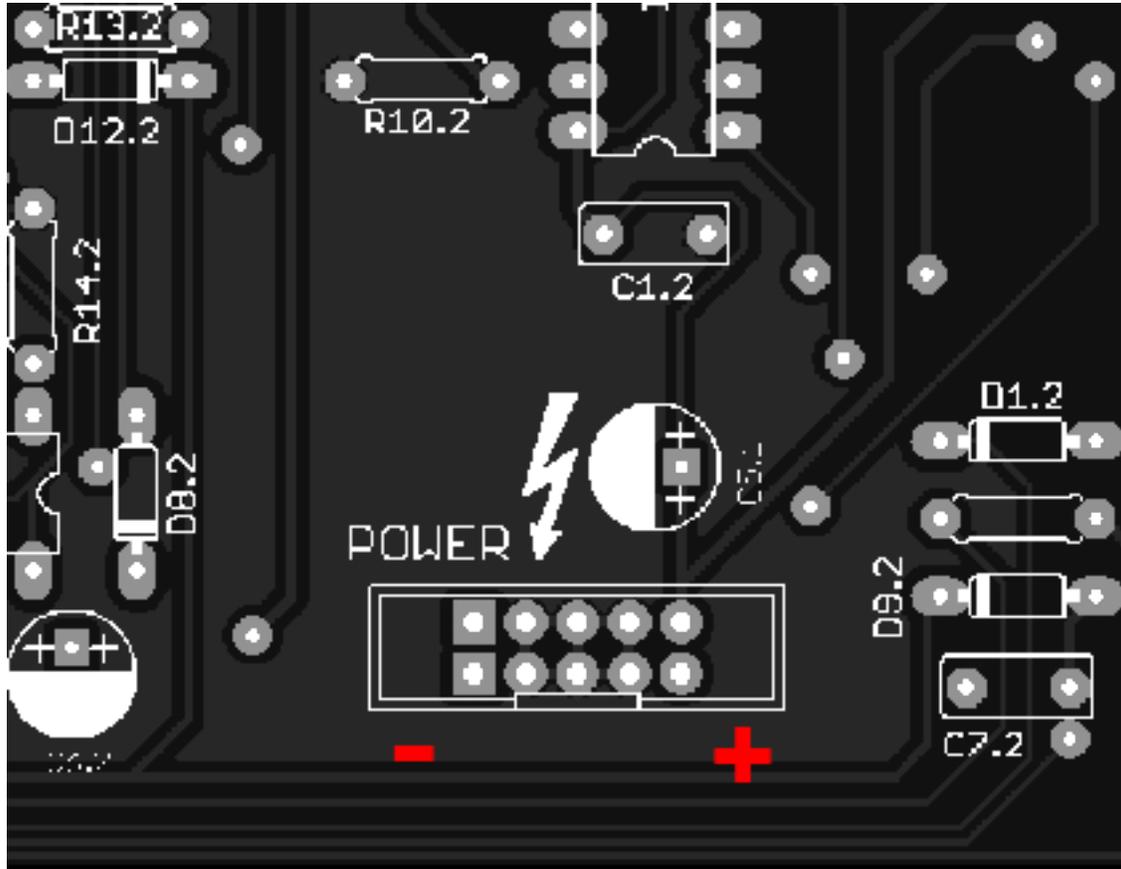
- 2 channels of pure analogue CV/Gate sequencing in a 42HP package
- Toggle switch per step allows to select sequence length and step gate on/off
- Select between 5V and 10V gate/CV levels for each sequencer
- Run/reset controls per sequencer
- Soft-touch knobs with velvety smooth pot operation for maximum playability and user comfort
- Reset/hold inputs for system control (positive = hold/reset)
- Clock inputs (positive logic square wave)
- Clock outputs

Technical Specs

- 42HP wide
- Consumes ~50mA at +12V (no negative rail needed)
- 40mm deep
- Outputs 5V or ~10V gate/CV signals, selectable via jumpers on the rear of the module

Power Connection

All hexinverter.net modules follow the Doepfer standard:



Control Descriptions/Usage



RATE CONTROLS - These control the rate (tempo) at which the sequencer's internal clock advances the sequencer/s at.

RUN - When in the UP position, the sequencer will run. Flip the switch down to make the sequencer halt on whatever step it is currently at.

RESET - Push this button to reset the sequencer to the first step.

ON/OFF/RESET switches (per step) - Turning a step's switch UP turns the note on for that step. When the switch is in the centre position, the note is off. When the switch is DOWN, the sequencer will reset on that step.

NOTE THAT YOU SHOULD HAVE ONLY ONE SWITCH IN THE RESET (DOWN) POSITION AT A TIME. Strange sequence orders will occur otherwise. You might like this effect, as the pattern changes depending how many/what step switches are set to reset, so I chose to leave the sequencer with this "feature" available.

CLOCK INPUTS - Input a 0-3V (or higher) positive logic clock in order to clock sympleSEQ externally. The length of the gate at the output is actually determined by the duty length the clock is ON for, so, by using a variable duty cycle clock, you can actually vary the output gate length!

CLOCK OUT - sympleSEQ will output its 0-5V positive square wave clock here.

HOLD INPUT - A positive going voltage excursion will hold sympleSEQ on whatever step it is currently at.

RESET INPUT - A positive going voltage excursion will reset sympleSEQ to the first step.

SLAVE SWITCH - Flipping this switch to the right will make Sequencer B run off of Sequencer A's clock.

Level Jumpers

You can select the output voltage levels of each sequencer's Gate and CV outputs with the jumpers on the rear of the module. If you are not getting any signal at one of the outputs, one of the jumpers has probably been removed.

