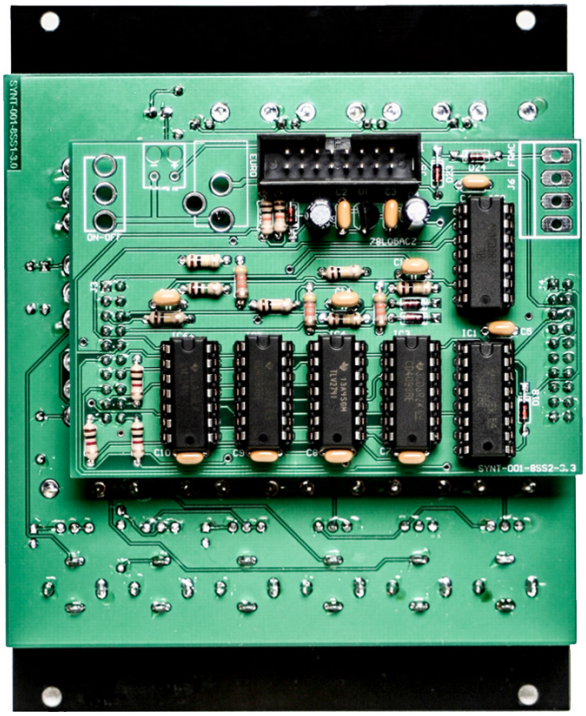
SEQUENCE 8 - MANUAL



INTRODUCTION:

The ‘SEQUENCE 8’ is an analog 8 step sequencer with 3 attenuable control voltage outputs and a 5 octave range (0-5V). Each of the 8 steps have a gate output jack (used for resetting the sequence at a certain step and other functions), 3 CV outputs each with their own limiter knob (attenuator), Clock Input and Output, Fine and Coarse knobs for the internal clock, a ‘Linear Random’ function with a separate speed control and On/Off switch, momentary Hold, Step, and Reset switches, Hold Hard latching switch, Internal/External Clock Switch, and last but not least... a Reset input jack.

While the Sequence 8 was primarily made for the Eurorack modular synth format, is capable of being powered by FRAC systems. Since a fair amount of our products are capable of being powered with a 9V center negative power adaptor or a 9V battery, we have added these options as well. This gives our sequencer 4 different ways of being powered, where you have the flexibility of having your sequencer being housed into a custom portable enclosure or modular system.

CONTROLS:

1, 2, 3, 4, 5, 6, 7, 8 = 0-5V Attenuator Knobs for each of the 8 Steps. The knob is 0V when fully counter clockwise and 5V when fully clockwise.

LIMIT x 3 = 0-5V Attenuator Knobs for each of the 3 CV Outputs (used to limit the CV from each Output). The knob is 0V when fully counter clockwise and 5V when fully clockwise.

RATE C = Coarse Knob (used to adjust the internal clock). Slow speed when the knob is fully counter clockwise and higher speed when moved clockwise.

RATE F = Fine Knob (used to adjust the internal clock). Slower speed when the knob is fully counter clockwise and higher speed when moved clockwise.

RNDRATE = Random Rate Knob (used to set the amount of random steps through the sequence between each clock pulse). The 'Linear Random' feature produces random-like clock varions when used at slower speeds and will also rhythmically gate the clock at higher speeds.

HOLD MOM = Momentary Pushbutton (by pressing and holding the button down, it will freeze the sequence on the currently active step until the button is released)

STEP = Momentary Pushbutton (used to step through the sequence every time the button is pushed)

RESET = Momentary Pushbutton (used to reset the sequence back the 1st step every time the button is pressed)

HOLD HARD = Toggle Switch (used to hold the sequence on the currently active step. To hold the step set the switch into the up position. To release the step, set the switch into the down position)

CLOCK SWITCH = Toggle Switch (used to switch between the internal clock and the external clock input. When the switch is up, the internal clock is selected, switch down is for external clock input. If there is no clock inserted into the external clock input, the internal clock will still run while the switch is in the down position)

RANDOM = Toggle Switch (used to turn on the RANDOM function, set the switch into the up position for RANDOM to be active. To stop RANDOM, set the switch into the down position).

INPUTS:

CLK IN = Clock Input

RESET = Reset Input

OUTPUTS:

1, 2, 3, 4, 5, 6, 7, 8 = Gate Output (each of the 8 steps has a 3.5mm jack that sends out a high gate whenever that step is currently active. Run one of any of the 8 step outputs into the RESET Input to reset the sequence at that specific step.

CV1 = 0-5V CV 1 Output

CV2 = 0-5V CV 2 Output

CV3 = 0-5V CV 3 Output

CLK OUT = Clock Output

Operating Voltage: 20mA +12v

SEQUENCE 8 INFORMATION:

The SEQUENCE 8 is a traditional 8 step CV sequencer but with some added extra features in a small and cost-effective package.

To get started, set all of the 8 step knobs to a fully counter clockwise position and set all the LIMIT knobs to a fully clockwise position to begin sending out CV through any of the 3 CV OUTPUTS. For example: Use one CV out into the 1V/OCT of an oscillator, another CV out into the frequency CV input on a filter, and the last CV out into resonance CV input on a filter. Now you have a filter that’s tracking right along with your oscillator.

Run the CLOCK OUT to an envelope module's gate or trigger input and get cracking with envelopes that happen in time with your sequence. This is useful for using an envelope module to open & close a VCA in time with your sequence.

RANDOM is a linear randomized function that happens between each clock pulse that drives the

Sequence 8, whether you use the internal clock or an external clock. This effect happens at the 3 x CV Outputs and does not effect the clock output at all. When using an external clock to drive the SEQUENCE 8, you will find the same clock coming out of the clock output when the RANDOM mode is engaged. This is a very musical function and can add a nice bit of randomness to a sequence. Slower / less frequent RANDOM things happen when the knob is counter clockwise. This effect is increased when the knob is moved clockwise. Although the SEQUENCE 8 natively operates in a linear fashion, using RANDOM helps break the monotony of a static sequence.

You can use any of the pushbutton (HOLD MOM, STEP, RESET) or toggle switch functions (HOLD HARD, CLOCK SWITCH, RANDOM) to add variety in your sequences, which effectively turns the SEQUENCE 8 into a performance sequencer.

Please contact synthroteksales@gmail.com with any questions

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