

THANK YOU FOR PURCHASING ERICA SYNTHS MODULE

Erica SynthS 8 channel SEQUENTIAL SWITCH is unique module that allows you to sequence up to eight sound sources in advanced ways or route one sound source sequentially to eight different sound modifiers – VCFs, waveshapers, VCAs, etc. With Sequential Switch CV Expander (sold separately) added you get one of most advanced 8 step sequencers around. Enjoy!

Erica SynthS Sequential Switch (SS)

unique control interface allows you to pause, skip and merge steps, set sequence length, but what really sets it apart from other sequential switches is Gate output – when used with ADSR and VCA, you get really powerful sequencer with real time control over each sound source in the sequence. Use Sequential Switch with random clock source and you get a heart of insane random, self-generating patches!

NB! Input signal level for SS should not exceed 20Vptp (that is rare occasion in modular synthS). Nothing bad will happen, but you will hear some unwanted signal on unused outputs.

FEATURES:

- 8 inputs/outputs sequentially routed to one input/output
- Manual Step and Reset
- Gate output (reacts on merged and paused steps)
- 8 different play modes
- Piano mode

TECHNICAL SPECIFICATIONS:

Max input level	-10V - +10V
Power consumption
.....	+50mA (all LEDs on), -13mA
Module width	10HP
Module depth	20mm

Push Man. Step button to advance to the next Active step. Push and hold for 2" Manual Step button, and the module will go to MANUAL SELECT mode – you can push any channel button and manually select ANY channel, you wish, ignoring the sequence. LEDs on indicates the active channel. Gate Out stays high until you select another channel.

If you are patching Sequential Switch output to VCA, controlled by envelope generator, make sure EG is in ADSR mode with sustain on. To exit MANUAL SELECT mode, push Manual Step button promptly.

Push Man. Step and Man. Reset buttons simultaneously and hold those for 2" to select PIANO mode – it works similar to Manual Select mode, the Gate Out is high only till you hold the channel button. Patch the module OUT into VCA and Gate Out into ADSR envelope generator, and you have 8 completely different sound keyboard! To exit PIANO mode, push Manual Step button promptly

Push Man. Reset button to reset sequence to the first step. Push and hold this button and then push one of the step buttons to select play mode

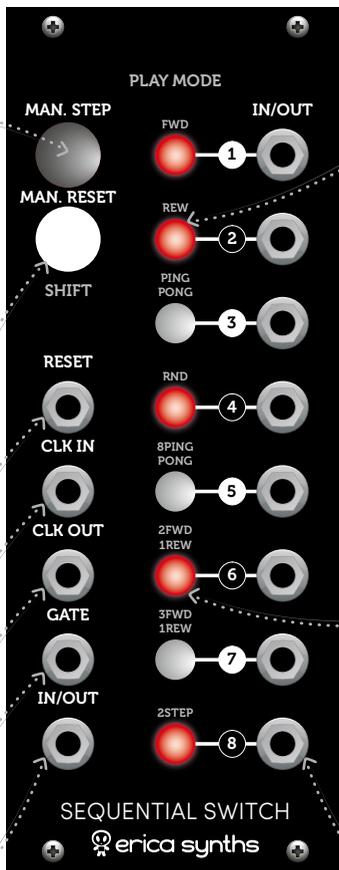
SS will automatically reset to the first step, when pulse signal is applied here

Apply Clock signal here (+5V pulse). On the each rising edge of the signal, SS will advance to the next active step

This is Clock Thru jack – you can save on clock dividers and use the same Clock signal to control other devices

+5V 20ms gate appears here on each ACTIVE step. For MERGED steps the Gate length is equal to one step length + 20ms

Use this as OUTPUT if you want to take signals from 8 inputs sequentially OR use this as INPUT if you want to route one signal sequentially to one of 8 outputs



Use buttons to control step states and sequence length. Initially all steps are ACTIVE.

Push the button once and relevant step will go in PAUSE mode – the signal from relevant input will not be routed to the output, but the step will be silenced for one clock period. You can activate the step again by pushing the button again.

Push the button quickly twice – the relevant led will go off and the step will be SKIPPED – the sequencer will advance immediately to the next active step.

Hold the button and push another button next to it – the steps will be MERGED. In this case the GATE out will be extended to one clock period. Exit the MERGE mode by pressing any of merged buttons. Relevant step will become ACTIVE. SEQUENCE LENGTH (2-8 steps) is determined by the LAST ACTIVE step. So, if you want 6 step long sequence, deactivate steps 7 and 8 (push relevant buttons twice)

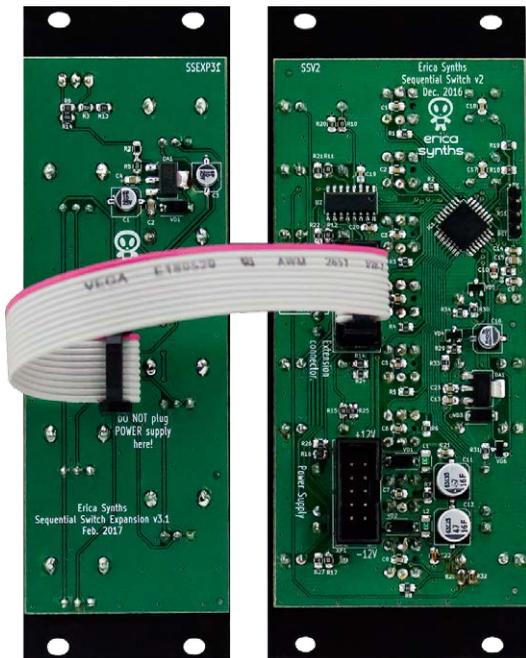
Button LEDs indicate the state of each step:

Bright LED – the step is ON
Half-dimmed LED – the step is PAUSED

LED is off – the step is SKIPPED
Blinking LED – currently active step
Two blinking adjacent LEDs – two steps are merged

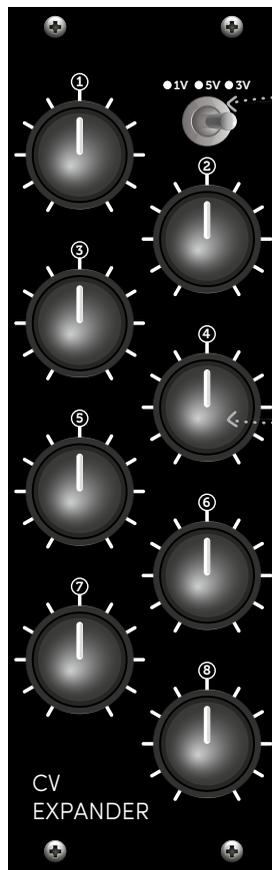
Plug in different signal sources, you want to sequence! If you intend to use MERGE mode, it's wise to split same signal to several inputs. Also, if you wish to route one input to one of 8 Outputs (one VCO going to several VCFs/waveshapers step by step!), feel free to do so!

SEQUENTIAL SWITCH CV EXPANDER turns the Sequential Switch into powerful CV/Gate sequencer. It connects to the Sequential Switch via ribbon cable supplied with a module. CV Expander doesn't require power supply, it draws power from the Sequential Switch. Refer to the picture below, how to connect both modules!



SEQUENTIAL SWITCH CV EXPANDER is connected to the Sequential Switch via IN/OUT jack switching lugs, which means, if you patch something into IN/OUT jack, the relevant input gets disconnected from the CV Expander.

If you use SS with CV Expander connected to sequence sound sources, make sure, you skip all steps that are not used (no patch cables connected)! If you do not do that, a DC from the CV Expander will get into audio path and you will hear undesired click.



Select output CV range! As per eurorack standards, 1V setting will give you one octave range for full potentiometer turn

Set desired CV level for each step

SAFETY INSTRUCTIONS

Please follow the instructions for use of this Erica Synths module below, 'cause only this will guarantee proper operation of the module and ensure warranty from Erica Synths.

Water is lethal for most of the electric devices, unless they are made waterproof. Erica Synths module is NOT intended for use in a humid or wet environment. No liquids or other conducting substances must get into the module. Should this happen, the module should be disconnected from mains power immediately, dried, examined and cleaned by a qualified technician.



Do not expose the module to temperatures above +50°C or below -20°C.



Transport the instrument with modules installed carefully, never let it drop or fall over. Warranty does not apply to modules with visual damages.



The module has to be shipped in the original packaging only. Any module shipped to us for return, exchange and/or warranty repair has to be in its original packaging. All other deliveries will be rejected and returned to you. Make sure you keep the original packaging and technical documentation.

You will find Erica Synths terms of warranty at <http://ericasyths.lv/en/terms/>

Items for return, exchange and/or warranty repair have to be sent to: Erica Synths, Andrejostas Str.12, Riga, Latvia, LV-1045

DISPOSAL

This device complies to the EU guidelines and is manufactured RoHS conforming without use of led, mercury, cadmium and chrome. Nevertheless, this device is special waste and disposal in household waste is not recommended.

Designed and made in Latvia.
User manual by Girts Ozolins@Erica Synths.
Design by Baiba Stelle.
Copying, distribution or any commercial use in any way is prohibited and needs the written permission by Erica Synths.
Specifications are subject to change without notice.
In case of any questions feel free to contact us via e-mail info@ericasyths.lv

Check out other Erica Synths modules & devices at www.ericasyths.lv