

SPUTNIK MODULAR

WEST COAST RANDOM SOURCE MANUAL V.1

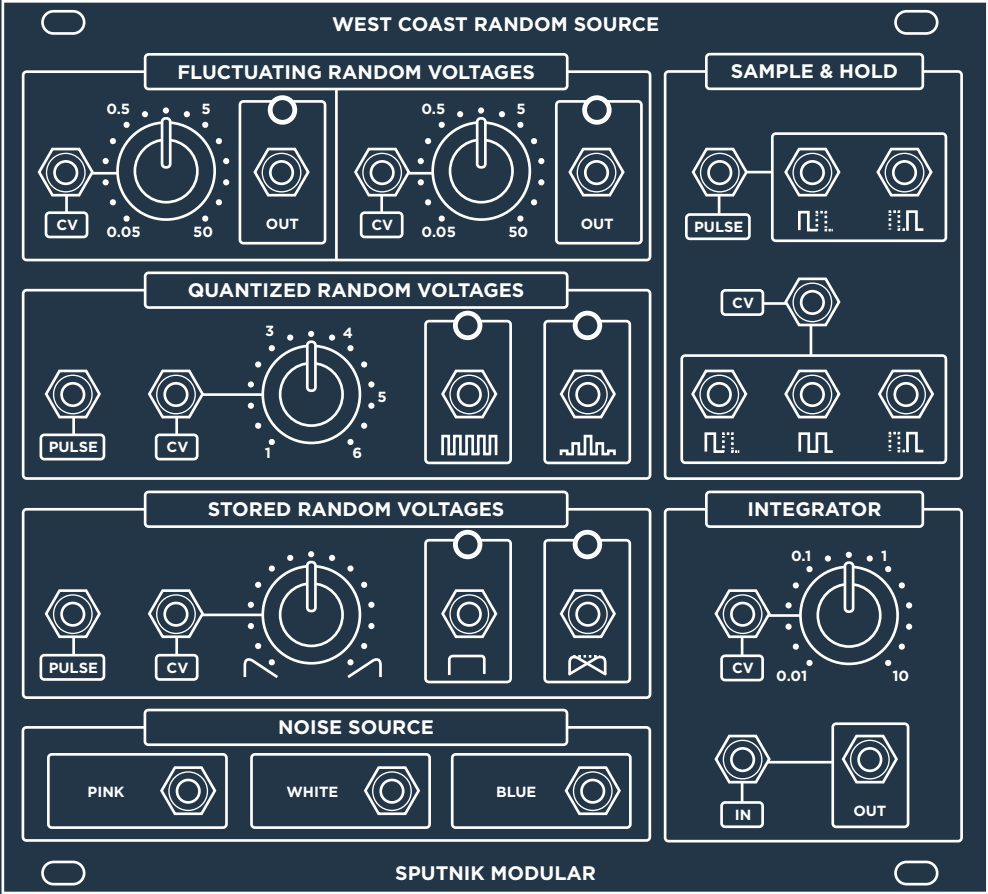


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SPECIFICATIONS

FORMAT:

Eurorack

DIMENSIONS:

28HP, 28mm deep

INTERNAL AND EXTERNAL SIGNALS (3.5mm Jacks):

CV: 0-5V, AUDIO: +/-5V

MAX CURRENT:

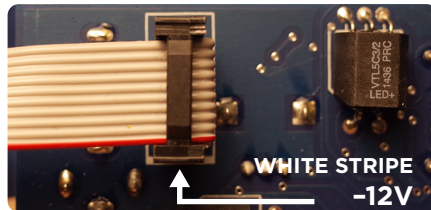
+12V: 70mA

-12V: 70mA

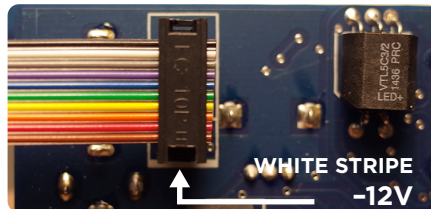
+5V: 30mA

INSTALLATION

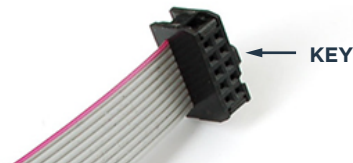
- 1 Remove module from packaging.
- 2 Power down your modular synthesizer and disconnect the power cable from the wall outlet.
- 3 Attach the included power cable to the module's power connector and connect the other end to the power distribution bus in your EuroRack synthesizer case. If you have a bi-colored ribbon cable the red stripe should be on a same side with a bold white line on a pcb. In case if you have a rainbow-colored ribbon cable the key is brown. Connector also has a key which should match sickscreen on a pcb.
- 4 Position the module on the mounting rails in your EuroRack case and screw down mounting screws. Power up! If your case does not turn on properly then you have installed the module incorrectly. Simply power down and make sure to follow the diagram when reconnecting the module.



BI-COLORED RIBBON



RAINBOW RIBBON



DESCRIPTION

The SPUTNIK WEST COAST RANDOM SOURCE is a complex, digitally-controlled, multi-functional source of unpredictable analog voltages. The WCRS has six distinct sections:

- Fluctuating Random Voltages (FRV)
- Quantized Random Voltages (QRV)
- Stored Random Voltages (SRV),
- Noise Source
- Sample & Hold (S+H)
- voltage controlled Integrator.

The WCRS is designed to produce a wide variety of variable speed, pulse-clocked, and slewed random control voltages.

FRV

Two independent sources of random control voltages varying from almost imperceptibly fluctuating to fast, stepped voltages. Variable via CV input (0V to +5V) and the control knob.

QRV

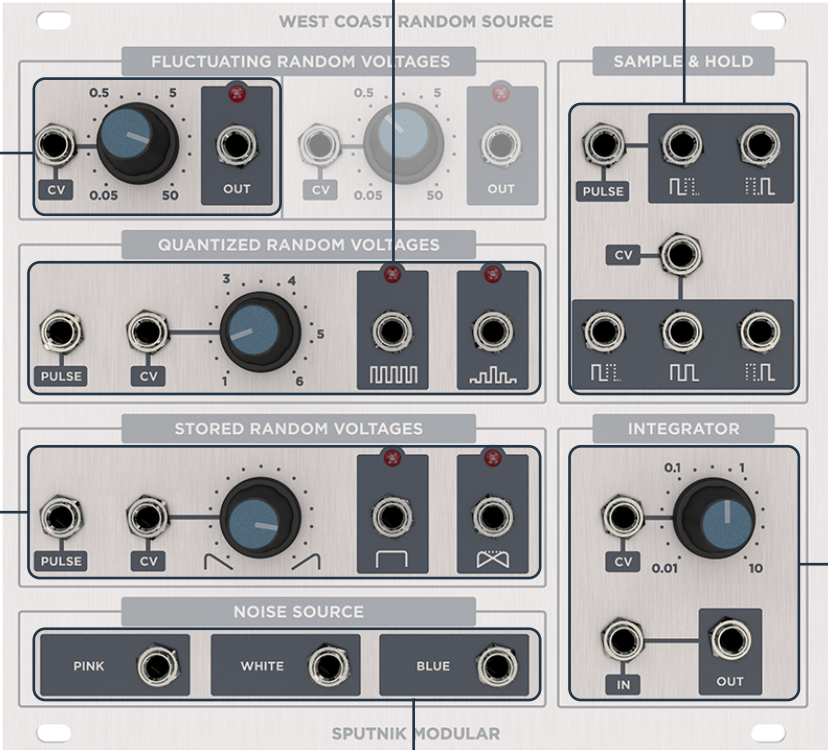
The QRV is a pulse-clocked stepped quantized random voltage generator with CV input (0V to +5V) and panel control over N (1 to 6) which determines the amount of stages. First output can have N+1 states and second output has 2N states.

SAMPLE AND HOLD

Pulse input clocks the sample and hold circuit.

Two alternating pulse outputs based on the input pulse. CV input jack for sampling.

Three outputs provide voltages sampled from the CV input from based on three different clock variations.



SRV

The SRV section is also a pulse-clocked stepped random voltage generator with two outputs, one for a “flat” distribution and one for a narrow level “band” of random voltages controllable via CV (0V to +5V) and the panel knob.

NOISE SOURCE

The WCRS noise source provides three different audio outputs of noise: pink, white, and blue.

INTEGRATOR

The integrator is a voltage controlled slew (also called portamento). When an input voltage is applied the control knob and CV input determine the amount of slew effecting the output.

WARRANTY

This product is covered by the Sputnik Modular warranty, for one year following the date of purchase. This warranty covers any defect in the manufacturing of this product. This warranty does not cover any damage or malfunction caused by incorrect use – such as, but not limited to, power cables connected backwards, excessive voltage levels, or exposure to extreme temperature or moisture levels.

The warranty covers replacement or repair, as decided by Sputnik Modular. Please contact customer service via our website (www.sputnik-modular.com) for a return authorization.