

If you are reading this, most probably, you are about to build Erica Synths DIY Modulator. This module is 35mm deep, skiff friendly, has solid mechanical construction and doesn't require wiring. The Modulator essentially is LFO with simultaneous triangle and square wave outputs, clockable S&H with external CV input and noise source. A kit comes with two versions of noise generator – simple, transistor-based and more complex Zener diode-based one. Latest provides perfect, full spectrum white noise.

The DIY Envelope kit comes in three versions:

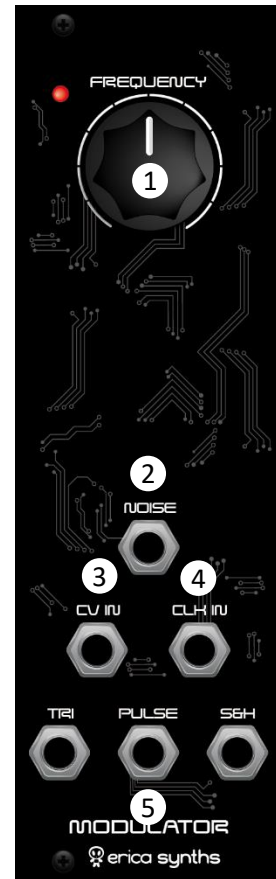
- 1) 3 PCBs + S&H chip + connectors,
- 2) 3 PCBs+ S&H chip + connectors + panel,
- 3) Full kit.

## FEATURES:

- LFO with triangle and pulse wave outputs
- Choice of transistor-based or Zener diode-based noise generator for massive, full spectrum white noise
- S&H circuit based on rare, high quality S&H chip
- S&H CV and clock inputs

## SPECIFICATIONS:

- LFO output amplitude -5V...+5V
- LFO frequency range 0,1...20Hz (configurable)
- Noise output level 10Vptp
- S&H CV input level up to 20Vptp
- Panel width 8HP
- Module depth 35mm
- Power consumption 27mA@+12V, 22mA@-12V



- 1 Set desired LFO frequency! LED gives visual feedback on LFO pulse wave output.
- 2 This is white noise output  
This is S&H circuit input. Apply here and turn them into stepped CVs on the S&H output. If no external clock is applied, S&H frequency is defined by FREQUENCY knob setting.
- 3 This is external S&H clock input. If nothing is patched here, it's normaled to the LFO.
- 5 These are LFO and S&H outputs.