

Dark Energy III is – just like its predecessor Dark Energy II – a monophonic analog synthesizer with USB and MIDI interface. The entire sound generation and all modulation sources are 100% analog. While its strong filter is the same as that of DE II, there are some minor differences in the VCO / VCA / LFO area

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The main differences between Dark Energy II and III:

- **VCO** offers an additional **triangle waveform**
- ready for immediate use: **no heat-up period of the VCO**
- perfect 1V/octave VCO tracking over a range of 8 octaves (!)
- separate **reset inputs for the two LFOs**
- **improved ADSR**
- access to additional functions via **pin headers inside the unit for DIY modifications** (e.g. linear FM, hard/soft sync)



The following additional signals and functions are accessible via internal pin headers:

- VCO outputs: triangle, sawtooth, rectangle
- VCO linear FM input
- VCO hard sync input
- VCO soft sync input
- VCF outputs: lowpass, highpass, bandpass
- LFO outputs: triangle, rectangle
- ADSR output
- Two inverters with input/output (to invert any signal, e.g. ADSR, LFO)

The function of these sockets at the front panel can be modified by removing jumpers and re-wiring the pin-headers: VCO PW CV, LFO1 Reset, LFO2 Reset, VCA CV In. For example the PW CV input can be converted into a linear FM input, or LFO/ADSR signals can be used as outputs instead of one of the LFO Reset inputs)



Doepfer Dark Energy III

Analog desktop-synthesizer
with MIDI, USB and alternative (internal) wiring options

Available April 2018

Price: 479 Euros

Website manufacturer:

www.doepfer.de/Dark_Energy_III_e.htm

Info / open / download:

- [Doepfer Dark Energy III](#) (photo, 5000 x 4200 px)
- [Doepfer Dark Energy I and Dark Energy II – Forbidding Powers](#) (test report)