

AtoVproject DHO & DHOex



The AtoVproject DHO or Dual Harmonic Oscillator is a novel take on the complex oscillator concept. It is an analog oscillator with digital control and also the first Eurorack module to feature haptic feedback. Each analog oscillator generates four octaves of triangle waves and modulates each other using through-zero frequency modulation. All of this is channeled through a four-stage diode wavefolder.

Complex oscillators are renowned for their vast sonic potential yet they can be challenging to fully exploit due to the many modulators they require. The DHO uses a new approach to make this much easier than ever before. An algorithm from the video game industry has been used to allow the dynamic modulation of 10 parameters. With a simple twist of a knob, one can explore infinite soundscapes and give life to the whole module with just one CV input! The DHO also features 10 internal LFO for even more movement. Without the need for a huge number of other modulators DHO can propel you to new sonic territories all on its own.

The DHO ships with its expander that gives standard oscillator waveforms as well as PWM and hard and soft sync inputs.

DHO:

- Two analog harmonic triangle oscillators
- Through zero FM

- Wavefolder
- 10 VCAs
- Simplex noise modulation
- 10 internal LFOs
- Size: 36 hp
- Depth: 20mm
- +5V: 0mA
- +12V: 215 mA (340mA peak with haptic feedback - optional)
- -12V: 140 mA

DHOex

- Included with the DHO
- Sine, Square, Sawtooth waveform outputs
- PWM control and CV input
- Size: 6hp
- Depth: 10mm
- +5V: 0mA
- +12V: 20mA
- -12V: 30mA

www.atovproject.de