



EURORACK MODii Dual VC Modulator User Guide

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EURORACK MODii Dual VC Modulator



Synchronized Modulation

The top half of the MODii is a DUSG style function generator. Useful additions include an output SHAPE control, and voltage controlled gate DURATION via switch, knob, and cv input. The bottom half comprises a VC decay envelope and a sample and hold circuit. The decay envelope is synchronized to the top half's function generator via shared use of the trigger and gate inputs. A VC trigger delay allows this synchronization to be broken. The sample and hold circuit is fed via the TIME CV input and stabilizes the decay time's modulation through-out the duration of the envelope. This S&H modulation voltage has it's own dedicated output

Technical specifications

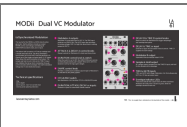
- 12hp
- 25mm depth
- 55mA/45mA , +12v/-12v current draw
- reverse power polarity protection

INSTRUCTION



1. **Modulator A outputs:** Modulator A's principal output is OUT A. The TRIG input produces an A(S)R (0-8v). The GATE input slow processes incoming voltages. EOC A is high (5v) when there is nothing present at OUT A.
2. **ATTACK A & DECAY A control knobs:** Manual controls for Modulator A's attack and decay times.
3. **DURATION control knob & switch:** When the switch is set to INT, the DURATION knob controls an internally generated gate's length. When set to EXT, the duration is set by the input gate's length.
4. **SHAPE control knob:** Provides a continuously variable output shape to Modulator A as indicated by the panel graphics..
5. **CYCLE/ENV switch:** Sets Modulators A & B in either CYCLE or ENVELOPE mode.
6. **DURATION, ATTACK, DECAY cv inputs:** External cv inputs for associated manual controls.
7. **DELAY B & TIME B control knobs:** Manual controls for Modulator B's trigger delaylength and envelope decaytime.
8. **DELAY & TIME cv input:** External cv inputs for associated manual controls. TIME CV supplies the S&H voltage.
9. **Modulator B output:** Exponential decay envelope output (0-8v).
10. **Sample & Hold output:** DC voltage output sampled from the TIME CV input, and held for the duration of the envelope.
11. **TRIG & GATE inputs:** TRIG and GATE both trigger Modulators A & B simultaneously. GATE is a VC slew processor input.
12. **Envelope indicator LEDs:** These leds indicate the output status of either modulator. Modulator B's delay time is shown in green, while the envelope duration shows red.

Documents / Resources



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MODii, Dual VC Modulator, MODii Dual VC Modulator, VC Modulator, Modulator

References

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