2hp — Euclid

- Manual PDF

2hp Euclid Manual (PDF)

2hp Euclid Cheat Sheet

Euclid is a 2hp rhythmic pattern generator based on Euclidean algorithms, producing cyclic and musical trigger patterns with flexible step and offset controls.

I/O Jack Reference

Jack / Control	Description	Voltage Range / Type
TRIG IN	Advances the pattern one step	Trigger/Gate Input
RESET IN	Resets pattern to first step	Trigger/Gate Input
LENGTH CV	CV control of pattern length	0–5V; summed w/ knob
STEPS CV	CV control of active steps	0–5V; summed w/ knob
TRIGGER OUT	Output trigger when active step fires	+5V, 6ms pulse

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Control Reference

Control	Function	Details
LENGTH (Knob)	Sets pattern length (1–16 steps)	Full Left: 1, Full Right: 16
STEPS (Pot)	Sets # of active steps in pattern	Min: 1 step, Center: ½ length, Max: full length
OFFSET POT	Sets pattern offset (initial step shift)	Full Left: No offset, Full Right: Offset by Length-1
OUTPUT LED	Shows trigger output activity	Lights when pattern fires an active step

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Quick Usage

1. **Connect** TRIG IN to your clock source. Each clock pulse advances the sequence.
2. **Connect** TRIGGER OUT to your drum(s) or destination module.
3. **Select pattern length** (LENGTH knob/CV) from 1 to 16 steps.
4. **Set active steps** (STEPS pot/CV) to distribute triggers within the pattern length.
5. **Apply offset** (OFFSET pot) to shift the starting point of the pattern.
6. **RESET IN** can be used to re-sync pattern start.

All CV inputs accept 0–5V; values add to their respective knobs/pots.

Module Specs

- **Width:** 2hp
- **Current:** +12V 21mA / -12V 2mA
- **Depth:** 42mm