

Noise Engineering – Zularic Repetitor

- [Manual PDF](#)
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[PDF Manual Link](#)

Noise Engineering Zularic Repetitor Cheat Sheet

Module Type

- Rhythm Generator
 - 8HP Eurorack
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Power Requirements

- **+12V:** 50mA
 - **-12V:** 5mA
 - **Connector:** 2x5 Eurorack ribbon (red stripe = -12V)
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Inputs, Outputs, and Controls

Inputs

Jack	Purpose	Voltage Range
Beat	Clock input (advances time)	Triggers $\approx 2.5V$ & up
Measure	Measure reset (resyncs parts)	Trigger $\approx 2.5V$ & up
Mother CV	Select Mother pattern or modulate pattern	$\sim 7V$
Child 1-3 CV	Time offset for each Child relative to Mother	$\sim 7V$

Outputs

Jack	Purpose	Voltage Range
Mother Out	Main pattern gate output	Gate $\approx 6V$
Child 1-3 Out	Offset pattern gate outputs	Gate $\approx 6V$

Front-panel Controls

Name	Type	Description
Mother	Knob + CV	Selects Mother pattern (acts as attenuator for Mother CV)

Name	Type	Description
Child 1-3	Knob + CV	Controls beat offset from Mother for each "Child" output (acts as attenuator for Child CV ins)
World	Toggle	Select Old World (Indian/African/Vodou) or New World (Funk, Rock, etc.) pattern bank
RST	Button	Pauses time advance while held, resets to measure start on release
LEDs	Indicator	Show selected mother pattern and world bank

Basic Operation

1. **Clock:** Patch a clock to **Beat** for operation.
2. **Reset:** Optionally patch a reset/measure pulse to **Measure** for periodic resync.
3. **Patterns:** Select pattern set with **Mother** knob (+ CV modulation).
4. **Offsets:** Use **Child 1-3** knobs (or CV) to shift pattern in time vs Mother output.
5. **Pattern Source:** Toggle **World** for Old/New World rhythms.
6. **Gate Outputs:** Patch Mother and up to three Child outputs to envelopes, drum modules, etc.

Special Modes

- **Divider Mode:** Switches to clock-divider (~1, 2, 3 sections, controllable by CV/knob).
 - **Random Mode:** Random gate generation, probability set by knob/CV.
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Pattern Reference

- **Patterns:** 30 included, covering African, Indian, Funk, Rock, Latin, etc.
 - **Overview:** Each pattern outputs four rhythm parts; variations via offset.
 - **Pattern diagrams:** Refer to manual p. 6-8 for beat maps.
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Patching Tips

- Start with basic clock to Beat, play with Mother and Child knobs.
 - Add slow LFO, random CV, or stepped sequencer to Mother/Child CVs for variation.
 - Try using divided clocks or rhythm generators to dynamically shift time offsets.
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