

# Noise Engineering – Zularic Repetitor

---

- [Manual PDF](#)
- 

[PDF Manual Link](#)

---

## Noise Engineering Zularic Repetitor Cheat Sheet

---

### Module Type

---

- Rhythm Generator
  - 8HP Eurorack
- 

### Power Requirements

---

- **+12V:** 50mA
  - **-12V:** 5mA
  - **Connector:** 2x5 Eurorack ribbon (red stripe = -12V)
-

# Inputs, Outputs, and Controls

---

## Inputs

Jack	Purpose	Voltage Range
<b>Beat</b>	Clock input (advances time)	Triggers ≈2.5V & up
<b>Measure</b>	Measure reset (resyncs parts)	Trigger ≈2.5V & up
<b>Mother CV</b>	Select Mother pattern or modulate pattern	~7V
<b>Child 1-3 CV</b>	Time offset for each Child relative to Mother	~7V

---

## Outputs

Jack	Purpose	Voltage Range
<b>Mother Out</b>	Main pattern gate output	Gate ≈6V
<b>Child 1-3 Out</b>	Offset pattern gate outputs	Gate ≈6V

---

## Front-panel Controls

Name	Type	Description
<b>Mother</b>	Knob + CV	Selects Mother pattern (acts as attenuator for Mother CV)

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

# 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.
- 

## 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.
- 

 [Manual PDF](#)

 [Generated With Eurorack Processor](#)