

# Vermona — Melodicer

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- [Manual PDF](#)
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## Vermona meloDICER – Eurorack Cheat Sheet

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**meloDICER** is a stochastic (probability-based) melody and rhythm sequencer module for Eurorack, with intuitive per-step and probability controls.

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### Inputs and Outputs — Reference

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Jack	Function	Voltage Range	Description
<b>CLK IN</b>	Clock input	0...+12V (Thresh: +2V)	External quarter note clock. Overrides internal clock.
<b>CV IN 1</b>	Pitch control input	0...+5V (max 12V)	Adds/transposes sequence or modulates pitch range.
<b>CV IN 2</b>	Rhythm control input	0...+5V (max 12V)	Modulates rhythm section parameters (except NOTE VALUE/VARIATION).

Jack	Function	Voltage Range	Description
<b>GATE IN 1</b>	Gate/trig input	0...+12V (Thresh: +2V)	Various assignable functions (toggle dice, re-dice, restart, etc).
<b>GATE IN 2</b>	Gate/trig input	0...+12V (Thresh: +2V)	Mutes sequencer, and other assignable functions.
<b>GATE OUT</b>	Gate out	+10V	Triggers your envelope/voice.
<b>1V/OCT</b>	CV out (pitch sequence)	0...+5V	Standard pitch voltage output.

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## Controls

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### Knobs & Sliders

- **NOTE VALUE** (Knob): Sets base step length (1/16, 1/8, quarter note, etc.)
- **VARIATION** (Knob): Probability of alternate step lengths (left = longer, right = shorter).
- **LEGATO** (Knob): Probability of notes sliding (no retrigger) between steps.
- **REST** (Knob): Probability of silent (rest) steps.
- **RANGE (Faders/Sliders 2 & 8)**: Set lowest and highest note of scale.
- **SEMITONE FADERS (C-B)**: Probability of each semitone in pattern (higher = more likely).
- **Rotary Encoder**: Sets pattern position, chooses banks/steps in menus.
- **Pattern Length Buttons (to right of encoder)**: Set first and last step of pattern range (hold & turn).

## Buttons

- **DICE (Rhythm & Melody):** New random dice for rhythm/melody pattern. Hold to switch to “realtime” random.
- **M (Mute):** Mutes gate out. Blinks when muted.
- **LOCK:** Freeze parameter updates—edits will not be applied until unlocked.
- **S (Save):** Store current pattern in memory slot.
- **L (Load):** Recall pattern.
- **E (Edit):** Access/edit global parameters and input/gate routing.

## LEDs

- Around encoder: Shows pattern position in 16 steps.
  - Button LEDs: Indicate active settings, modes, and states.
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## Operating Basics

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1. **Connect Gate Out** to your voice’s envelope input and **1V/OCT Out** to your oscillator’s pitch input.
  2. **Set initial faders/knobs** (see manual fig. 1).
  3. **Clock internally** (TAP button) or externally (CLK IN, 0–+12V, 1 PPQN).
  4. **Set NOTE VALUE** and optionally add VARIATION.
  5. **Adjust LEGATO & REST** for expressive/random rhythms.
  6. **Set octave and desired scale** using lowest (2) and highest (8) faders and semitone faders.
  7. **Dice pattern(s):** Tap DICE (rhythm/melody) for new random value set (or hold for realtime probability).
  8. **Store/Recall patterns:** Use S/L and rotary encoder.
  9. **LOCK mode:** Toggle LOCK to stage edits before applying.
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## Pattern and Storage

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- **Patterns** are the sum of all knob, fader, step, and mode settings, NOT explicit sequences.
  - Storage: Up to 16 user patterns.
  - **Saving:** S → Select slot (encoder) → Press encoder.
  - **Loading:** L → Select slot → Press encoder. Loads in LOCK mode.
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## Modes (Hold E, then A/B/C/D):

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- **A:** Full sequencer — default & all features.
  - **B:** Seq+Gate (melody from melody section, triggered by gate at GATE IN 1).
  - **C:** Quantizer 1 (CV IN 2 quantized by fader scale, outputs 1V/OCT).
  - **D:** Quantizer 2 (gate at GATE IN 2 determines sample/hold of quantized CV IN 2).
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## Edit Menu (press E)

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- Use encoder (1–7) to scroll; A/B/C/D to set options per parameter.
  - Typical assignments:
    - **CV IN 1:** Add/Transpose sequence, modulate range
    - **CV IN 2:** Modulate rhythm section (except NOTE VALUE/VARIATION in firmware R19)
    - **GATE INs:** Toggle Dice (rhythm/melody), Re-dice, Mute, Restart
    - **MUTE mode:** Continue (A) / Restart pattern (B)
    - **NOTE VARIATION:** Limit allowed step lengths for VARIATION knob
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## Quick Reference: voltages

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- **Inputs:** 0...+5V for CV, up to +12V signal tolerated, +2V threshold for triggers/gates.
  - **Outputs:** 0...+5V 1V/OCT pitch, +10V gate.
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## Quick Tips

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- **Internal clock = TAP tempo.** External clock overrides.
  - **Mute:** Press M (button B) or GATE IN 2.
  - **Pattern restart:** Push rotary encoder or GATE IN 1 (if assigned).
  - **LOCK mode:** Stage edits before applying.
  - **Probability faders:** Only semitones within pitch range (set by 2/8) are available.
  - **Realtime mode:** Hold DICE to enable, disables set pattern and generates on the fly.
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**Manufacturer:** [Vermona – meloDICER product page](#)

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