

Kaona Instruments – Stereo Weaver

- [Manual PDF](#)
-

[Download the Official Manual \(PDF\)](#)

Stereoweaver Eurorack Module – Cheat Sheet

Module Overview

- **Type:** Mono-to-Stereo Spatial FX
 - **Width:** 10 HP
 - **Depth:** 28 mm
 - **Power:** +12 V: 140 mA, -12 V: 20 mA, +5 V: 0 mA
 - **Function:** Turn mono signals into musically useful stereo images using psychoacoustic tricks, phase, movement, and delays.
-

Front Panel Controls & Jacks Reference

Inputs

- **IN MONO (Jack):** Mono signal input (Eurorack level)
- **CV Inputs (Jacks):**
 - **depth ($\pm 5V$)** – Modulates Depth knob
 - **phase ($\pm 5V$)** – Modulates Phase knob
 - **motion ($\pm 5V$)** – Modulates Motion knob
 - **haas ($\pm 5V$)** – Modulates Haas knob

- **width** ($\pm 5V$) – Modulates Width/Move knob

Outputs

- **OUT L (Jack)**: Left channel
 - **OUT R (Jack)**: Right channel
-

Knobs and Switches

• Depth

- *Controls*: Amount/Intensity of spatial effects and interactions
- *Range*: Low = direct, front; High = organic, deep stage; Max = adds micro-chorus/phasing
- CV: Yes (depth input, $\pm 5V$)

• Phase

- *Controls*: Phase relationship ($0-180^\circ$) between L/R
- *Effect*: Impacts stereo stability, diffusion, and strangeness
- CV: Yes (phase input, $\pm 5V$)

• Motion (with rotary toggle)

- *Controls*: Movement/modulation of stereo image
 - *Slow* = subtle, organic "living" stereo
 - *Fast* = obvious spatial movement
 - *Rotary* = Leslie-style rotating effect

- CV: Yes (motion input, $\pm 5V$)

• Haas

- *Controls*: Inter-channel micro delay (Haas effect)
 - *Moderate* = natural stereo presence
 - *High* = pronounced, characterful effect

- CV: Yes (haas input, $\pm 5V$)

• Width (with 'move' mode)

- *Controls*: Stereo field widen/narrow, hollows center; Move introduces dynamic width/panning
 - *Move Position*: Channels crossfade, speed set by Motion, width by Phase. At max: chaotic L/R displacement.
 - CV: Yes (width input, ±5V)
- **Input Level**
- *Controls*: Gain for mono in; set to avoid or induce (artificial/coloring) distortion
 - *Clip LED*: Reduces to avoid distortion unless wanted
- **Left/Right Output Levels**
- *Controls*: Adjusts L/R levels for precise stereo balance/output matching
-

Typical Use

1. **Input**: Plug your mono source to IN MONO. Set input gain watching the clip LED.
 2. **Depth/Phase/Motion/Haas/Width**: Adjust creatively for desired stereo effect. Use Motion (rotary) for animated/Leslie-style FX.
 3. **Outputs**: Connect OUT L / OUT R to stereo mixer or further processing.
 4. **CV Control**: Patch modulation sources (LFOs, envelopes, random, etc.) into CV inputs to animate spatial parameters. All CVs respond to ±5V.
-

Manual Voltage Ranges

- **CV Inputs**: All CV jacks accept ±5 V, they sum with the knob position and allow bipolar modulation.
-

Visual Aids

- *LEDs visualize clipping, motion, Haas effect, and width interaction in real time.*
-

Quick Tips

- For subtle stereo, use low Depth, moderate Haas, slow Motion.
 - For dramatic FX, crank Depth/Phase, use Motion (Rotary) and Move mode on Width.
 - Animate CVs for ever-changing or rhythmic spatial movement.
 - Deliberate clipping can add harmonics/character.
-

[Generated With Eurorack Processor](#)