

worng Electronics — Vertex

• [Manual PDF](#)

****WORNG Electronics Vertex Cheat Sheet****
[Download the Manual (images above, not direct PDF)](#)

Quick Reference

Overview

- ****Vertex**** is a high-quality, voltage-controlled analog stereo VC
- Uses 4 VCAs (2 linear, 2 exponential: per channel) for advanced s
- 8hp, 25mm depth.
- All analog, DC coupled (handles CV and audio).

Panel Controls

Knobs

Control	Function
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Gain	Baseline gain for both L+R VCAs (manual "dron
Gain CV Amt	Attenuates (+/-) incoming Gain CV. Fully CCW
Skew	Balances stereo image. Noon = even. CCW = lou
Skew CV Amt	Attenuverts Skew CV; noon = 0. CW = +, CCW =

Inputs

Jack	Details
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Gain CV	Controls gain of both L+R channels (affected by
Skew CV	Modulates Skew control (attenuverted by Skew CV
L In	Left audio/CV in; normalled to R if R unpatched
R In	Right audio/CV input.

Outputs

Jack	Details	Type
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L Out	Left processed signal	Audio or CV
R Out	Right processed signal	Audio or CV

Indicator LEDs

- ****L/R LEDs**** show level of control voltage sent to each VCA (comb

Voltage Ranges & Signal Handling

- ****VCAs cap at unity gain**** – won't amplify above input level, even
- Overdriving CV (CV > needed for unity) “clips” envelopes, changing
- All CVs are analog, work at audio rates (use for AM/panning/LFOs/

Example Patch Recipes

****1. Stereo Tremolo:****

- Stereo in to L/R inputs, output L/R.
- Gain at noon to 3:00.
- LFO to Skew CV, Skew CV Amt ~1:00.
- Result: Moving/panning tremolo FX.

****2. Voltage-Controlled Panning:****

- Mono in to L input, R input unpatched.

- Gain full CW.
- Adjust Skew or send Skew CV for voltage-controlled panning.
- Pro tip: Envelope to Gain CV for shaped panning without changing

****3. Dual VCAs for CV or XY Processing:****

- Patch independent CVs to L+R inputs/outputs, one envelope to Gain
- Use Skew for balancing/offset.
- Works well for oscilloscope XY or laser modulation.

Panel Cleaning

- Matte black panel can show fingerprints; clean with soft cloth &

Reference

- All I/O is ****3.5mm mono jacks**** (Eurorack standard).
- To use TRS stereo, break out to mono L/R.
- ****Depth:**** 25mm
- ****HP:**** 8hp

[Generated With Eurorack Processor](<https://github.com/nstarke/euro>)