

ADDAC Systems – ADDAC-714 Vintage Clipper

- [Manual PDF](#)

[ADDAC714 Vintage Clipper User's Guide \(PDF\)](#)

ADDAC714 Vintage Clipper – Cheat Sheet

A dual-channel, diode-based soft clipper for Eurorack. Provides "vintage" diode clipping with selectable symmetry and post-clip output gain.

Practical as a tone-shaper, saturator, or "brick wall" limiter in your signal path.

Quick Start

1. **Input Signal:** Patch audio into IN 1 and/or IN 2 (IN 1 normalled to IN 2 if nothing plugged in).
2. **Engage Effect:** Toggle BYPASS switch UP (active, effect engaged).
3. **Set Gain:** Turn GAIN to set clipping amount (how much signal hits the diodes).
4. **Set Symmetry:** Switch SYMMETRY UP (bipolar, even/odd harmonics) or DOWN (unipolar, odd harmonics only).
5. **Output Level:** Adjust OUTPUT GAIN for desired volume at OUT jack.
6. **Monitor Clipping:** Watch CLIP LED for indication of clipping at output.
7. **Patch Out:** Use OUT 1/2 to patch clipped signal onward.

Controls & Function Summary

Front Panel Controls:

Control	Type	Function
BYPASS (CH1/ CH2)	Toggle	UP = Effect Active, DOWN = Bypassed
GAIN (CH1/ CH2)	Knob	Sets threshold/clipping amount; more gain, more clip
SYMMETRY	Toggle	UP = Symmetrical (even & odd harmonics), DOWN = Unsymmetrical (odd only)
OUTPUT GAIN	Knob	Sets post-clip output volume
CLIP LED	LED	Indicates output clipping

Jacks (per channel):

Jack	Type	Description	Voltage Ranges
IN 1 / IN 2	In	Audio signal input (Left input normalised to Right if Right not connected)	Not specified, but audio range
OUT 1 / OUT 2	Out	Audio signal output after clipping, eq, gain	Up to Eurorack standard $\pm 10V^*$

**(actual range may depend on input signal, module does not amplify beyond x2 post-clip stage)*

Signal Flow (per channel):

1. Input → Clipper (GAIN & SYMMETRY) → Passive 3.3kHz LPF → Output Op-Amp (x2 gain, OUTPUT GAIN knob) → Output
2. BYPASS switch reroutes input signal past the clipper to output stage.

Technical Specs

- Width: 6HP
- Depth: 4 cm
- Power: 40mA @ +12V / 40mA @ -12V

Tips & Usage

- Use high GAIN for heavier distortion, OUTPUT GAIN to rebalance level.
- Toggle SYMMETRY for timbral variety—odd/even (fuzzier) vs. odd-only (harsher).
- Experiment with various input sources: drums, bass, synth lines.
- Engage BYPASS for easy comparison or channel switching.

No CV control. All controls are manual (no voltage-controlled inputs/outputs).

Clipping is passive and diode-based for "vintage" soft clip feel, with a characterful lowpass roll-off (3.3kHz, -3dB).

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