

Tiptop Audio — HATS808

- [Manual PDF](#)
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[Tiptop Audio HATS808 Manual \(PDF\)](#)

Tiptop Audio HATS808 Eurorack Cheat Sheet

Quick Start

1. **Open Hat:**
 2. Patch GATE to **OH GATE IN**
 3. Patch **OH OUT** to mixer/audio
 4. Set **LEVEL** ~50%
 5. **Closed Hat:**
 6. Patch GATE to **CH GATE IN**
 7. Patch **CH OUT** to mixer/audio
 8. Set **LEVEL** ~50%
 9. **Choke Function:**
 10. Both hats triggered together: CH envelope chokes OH decay (classic 808 behavior).
 11. Disable choke: Move PCB header jumper to alternate position.
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Inputs (Jacks)

Input	Function	Voltage Range
CH GATE IN	Closed hat trigger	+5V (Gate/Trig)
CH ACCENT IN	Accent for closed hat	+5V (Gate/Trig)
OH GATE IN	Open hat trigger	+5V (Gate/Trig)
OH ACCENT IN	Accent for open hat	+5V (Gate/Trig)
VC-Q	Resonance (Q) modulation	0–5V (CV)

Outputs (Jacks)

Output	Signal
CH OUT	Closed hat audio
OH OUT	Open hat audio
BandPass OUT	Band-passed noise source (raw)

Knobs/Controls

Control	Description
CH LEVEL	Output level for closed hat (soft to hot/overdriven)
OH LEVEL	Output level for open hat (soft to hot/overdriven)
ACCENT (CH)	Accent amount for triggers & gates; also fine level control

Control	Description
ACCENT (OH)	Accent amount for triggers & gates; also fine level control
DECAY	Controls OH envelope decay duration
Q	Bandpass filter resonance (min = "808", full = oscillation/crush)
VC-Q (knob)	Offset for the incoming VC-Q CV signal

Key Features & Tips

- **Output Gain:** LEVEL knobs allow for overdriven, harmonically-rich sound when maxed.
- **Accents:** Add dynamics—use external triggers for pattern accents, or rely on internal normalization for fine-tuning.
- **Choke:** Classic hi-hat interaction for dynamic rhythmic textures; disable with internal jumper if desired.
- **Q/VC-Q:** Move from classic 808 hi-hat to metallic, crushed, or even oscillating tones. Modulate with external CV for evolving timbres.
- **BandPass OUT:** Use as a raw source for further processing/patching in eurorack.

Voltage Reference

- **Gate/Trigger Inputs:** Expect +5V logic.
 - **VC-Q Input:** 0–5V for resonance control.
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Example Patch Tips

- For *techno* hats: Send a gate sequence to CH GATE IN, with alternating gates to CH ACCENT for traditional 808/909 patterns.
- For *dynamic sound*: Modulate VC-Q with a slow LFO or envelope.
- *Overdrive sound*: Max LEVEL and ACCENT for punchy, distorted hats.

Reference:

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