

Tiptop Audio – TOMS909

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TOMS909 Cheat Sheet

Tiptop Audio | Analog 909 Tom Drums for Eurorack

Quickstart

1. **Patch a gate** (e.g. from a trigger sequencer) to any Tom's **GATE IN**.
2. **Patch each Tom's OUT or the MIX OUT** to your sound system.
3. **Set LEVEL & ACCENT** to taste.
4. **Adjust DECAY** for drum body/length.
5. **Adjust TUNE** for pitch.
6. Optionally, patch CV for **VC-TUNE** or **ACCENT IN** for modulation.

Inputs & Outputs Reference

Low Tom (Left Section)

- **LOW GATE IN:** Gate/trig input to trigger Low Tom. (+5V typical, accepts standard modular triggers)
- **LOW OUT:** Audio out for Low Tom (individual)
- **VC-L-TUNE IN:** CV input for Low Tom pitch (TUNE). (CV range: Not 1V/Oct, $\pm 5V$ recommended)

- **ACCENT IN:** Gate/CV input for dynamic accent. (accepts gates/trigs/CV, +5V typical)

Mid Tom (Middle Section)

- **MID GATE IN:** Trig input for Mid Tom (+5V typical)
- **MID OUT:** Audio out for Mid Tom
- **VC-M-TUNE IN:** CV for Mid Tom pitch (CV range: $\pm 5V$ recommended, not 1V/Oct)
- **ACCENT IN:** As above

High Tom (Right Section)

- **HI GATE IN:** Trig input for High Tom (+5V typical)
- **HI OUT:** Audio out for High Tom
- **VC-H-TUNE IN:** CV for High Tom pitch (CV range: $\pm 5V$ recommended, not 1V/Oct)
- **ACCENT IN:** As above

Mixed Output

- **MIX OUT:** Mix of all three Toms for summed output.

Controls Reference

- **LEVEL (per Tom):** Drum output volume.
- **ACCENT (per Tom):** Sets max accent gain, and functions as fine gain trim.
- **DECAY (per Tom):** Adjusts drum length from percussive click (CCW) to long tom (CW).
- **TUNE (per Tom):** Sets pitch/timbre.
- **VC-TUNE ATTENUATOR (per Tom):** Scales applied CV for each Tom's pitch input.

Voltage Control Details

- **VC-TUNE IN:** Not 1V/Oct. Responds throughout $\pm 5V$. Used for modulation/sequencing of TUNE.
- **ACCENT IN:** Can take gates or CV (up to $+5V$). When patched, incoming signal sets dynamic accent (volume boost, more attack/noise). ACCENT knob scales the difference.

Extra Features & Tips

- **Patch all Toms for polyrhythms:** Use multiple gates/triggers for rhythmic complexity.
- **Patch mixtures:** Individual OUTs for separate processing/panning, or use MIX OUT for classic 909-style sum.
- **Dynamic playing:** Use sequencer CV/gates to modulate ACCENT or TUNE for evolving textures.
- **Audio Rate FM:** Patch audio oscillator (e.g., a VCO) to VC-TUNE INs for metallic, harmonically rich toms.
- **Bus Mixer:** Can be routed to MIXZ module via header.

Typical Applications

- Classic 909 toms in your modular rig.
- Dynamic, voltage-controlled tom sounds.
- Sound design: metallic, pitched percussion with FM.

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