

Quanalog Instruments – Boubou

- [Manual PDF](#)
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[Quanalog Boubou Manual \(Website\)](#)

Quanalog Boubou Eurorack Drum Synthesizer Cheat Sheet

Module Size: 28HP

Voices: 5 (Kick, Lo Tom, Hi Tom, Snare, Hats)

Build: All-metal pots, switches, and jacks, black and gold panel

Quick Start

- Patch simple short triggers into TRIG inputs for normal drum hits.
 - Apply CV or audio rate signals to TRIG and CV jacks for experimental sounds and dynamic variation.
 - Use outputs independently or layer/feedback between voices using additional patching.
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Channel Reference

KICK DRUM

- **Outputs:**
- *Kick Out*
- **Inputs:**

- *Trig In* – accepts triggers/gates/audio (standard: 5V trigger; accepts cv/audio: -5V to +5V)
 - *Tune CV* – pitch (typical 0–5V; V/oct scaling not guaranteed)
 - *Decay CV* – decay (approx. 0–5V)
 - **Knobs/Controls:**
 - *Freq, Resonance* – tuning the fundamental
 - *Click Freq, Click Mix* – shape and mix attack click
 - *Volume* – output level
 - *Overdrive* – analog drive for harder sounds
 - *Compression* (toggle/knob?) – soft, punchy, overdriven
 - **Special:**
 - *Audio-rate at TRIG = wavefolder/bitcrushing FX*
 - *Can self-resonate as sine oscillator (with Overdrive high)*
 - *Classic 808/909-style sounds*
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DUAL TOM (LO/HI)

- **Outputs:**
 - *Lo Tom Out, Hi Tom Out*
 - **Inputs:**
 - *Trig In (per voice)* – triggers (standard: 5V), audio/CV possible (-5V to +5V)
 - *Resonance CV (per voice)* – tune/drum pitch (0–5V)
 - **Knobs/Controls:**
 - *Freq, Resonance (per voice)* – set tom pitch/body
 - *Retrig* (shared) – controls volume of retriggered note (creates rolls/flams/“hand play” feel)
 - *Volume* – per tom
 - **Special:**
 - *Without trigger: become dual notch filters with CV freq*
 - *Feed other engines for filtering/harmonic FX*
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SNARE

- **Outputs:**
 - *Snare Out*

- **Inputs:**
 - *Trig In* – triggers (standard: 5V), audio/CV (-5V to +5V)
 - *Decay CV* – snare tail (0–5V)
 - *Resonance CV* – snare pitch (0–5V)
 - **Knobs/Controls:**
 - *Freq, Resonance* – snare body/“spring” sharpness
 - *Decay* – envelope length
 - *Volume* – output
 - **Special:**
 - *If Hi Tom Trig not patched, Hi Tom acts as resonance/body for snare (patching separates them)*
 - *Wide sound range – snare, clap, noise hats*
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HATS

- **Outputs:**
 - *Hats Out*
 - **Inputs:**
 - *Trig In* – open/close hat (5V triggers), CV/audio (-5V to +5V)
 - *Decay CV* – envelope length (0–5V)
 - *External In* – mix another VCO/sound for custom hats
 - **Knobs/Controls:**
 - *Freq, Resonance* – hat sizzle/character
 - *Decay* – open/close time
 - *Noise Mix, Ext In Mix* – blend noise/osc input
 - **Special:**
 - *Acts as decay VCA for Ext In if noise turned off*
 - *Can ring external VCO, create noise VCO FX*
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GLOBAL / SHARED NOTES

- **Each section's CV inputs:**
 - *Pitch/Tune/Resonance CV*: 0–5V
 - *Decay CV*: 0–5V
 - *Trigger Inputs*: Accept short pulses, gates, audio, step CV (-5V to +5V gives velocity sens)

- All voices can process audio as signal processors (filters, wave-shaping) if you patch audio to Trig/CV/Ext In.
 - Natural accenting possible with gate/trigger length or step CV into Trig.
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Summary Table

Voice	Trig In	CV Pitch/Res	CV Decay	Audio In	Output
Kick	Yes	Yes	Yes	Trig	Out
Lo Tom	Yes	Yes	-	Trig	Out
Hi Tom	Yes	Yes	-	Trig	Out
Snare	Yes	Yes	Yes	Trig	Out
Hats	Yes	-	Yes	Ext In	Out

All CV and audio inputs typ. -5V to +5V safe, 0–5V recommended for musical range, 5V triggers standard.

Tips & Tricks

- Low/Hi Tom unpatched behave as filters for other voices.
 - Try patching section outputs to other section Trig inputs for experimental modulation!
 - Adjust Retrig for flam/rolls (varied gate length triggers).
 - Patch velocity or envelope CVs for dynamic hits.
 - External In on Hats for custom cymbal/metallic timbres.
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Further Reading

- [Manual/Website – Full details & sound examples](#)

- [Generated With Eurorack Processor](#)