

# Omnitone — Rosci

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- [Manual PDF](#)
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[Download the Rosci User Manual \(PDF\)](#)

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## Creative Modulation Ideas for Rosci (Eurorack)

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Drawing from the Rosci Rev 3 manual, here are focused techniques and modulation patch ideas for three styles: distorted percussive hits, aggressive basslines, and haunting pads.

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### 1. Distorted Percussive Sounds

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#### Key Parameters:

- **Complexity:** Number of points in waveform
- **Roundness:** Interpolation shaping
- **Harmonics:** Adds upper partials
- **Formants:** Compresses waveform for "vowel" sounds
- **Detune:** Tuning spread (up to a fifth)

#### Techniques:

- **Envelope Percussive CV:** Patch a fast-decay envelope (from a function generator or EG) into the Harmonics or Complexity CV. This will create sharp, changing timbres on the attack, producing punchy and unpredictable percussive transients.
  - Example: Output of Maths/ADSR to Harmonics CV Input.

- **Noise-Based Modulation:** Send a clocked sample & hold or noise source to Complexity or Roundness inputs. Abrupt voltage changes will glitch the waveform shape for digital "crunch."
  - **Detuned Thwack:** Automate the Detune CV with a snappy envelope or even a random stepped CV, spreading pitch for aggressive, attack-heavy distortion.
  - **Overvoltage Saturation:** Exceed  $\pm 10V$  briefly (with carefully attenuated CV or boosted signals) for parameter saturation/distortion, as the Rosci will saturate beyond range for further sonic roughness.
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## 2. Crazy Dubstep/Drum & Bass Basslines

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### Key Parameters:

- **Complexity & Harmonics** modulated by LFO, envelopes, or sequenced CV
- **Formants** for vowel or "talking" bass movements
- **Detune** for thick, growling sounds

### Techniques:

- **Rhythmic LFOs:** Patch synced LFOs (or synced random generators) into Formants and Harmonics to sweep through "vowel" territory. This is key for "talking bass" effects.
  - Pro tip: Use multiple LFOs at different rates simultaneously patched into various parameters (knobs + CV are summed).
- **V/Oct Bassline Sequencing:** Use a quantized sequencer (or pitch CV from a DAW/keyboard) into the V/Oct input for pitch riffs. Layer with fast envelopes modulating Complexity/Harmonics for movement.
- **FM/AM tricks:** Patch the output of one VCO or modulation oscillator into the Harmonics or Complexity CV—try audio-rate FM for harsh, metallic basses.
- **Extreme Detune:** CV the Detune with a slow triangle LFO to swing between fundamental and perfect fifth, creating unstable, massive bass.

- **Hard Sync Percussion:** Gate the Generate function (if possible via trigger input)—each note or step can re-trigger/re-randomize the wave shape for "reset" artifacts.
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### 3. Haunting Atmospheric Pads

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#### Key Parameters:

- **Complexity** (low to medium for organic tones)
- **Roundness** (smooth curves for evolving waveforms)
- **Formants** (modulated for shifting spectral focus)
- **Detune** (slight movement for chorusing)

#### Techniques:

- **LFO Swarm:** Patch multiple ultra-slow LFOs (sub-1Hz to ~0.1Hz) into Complexity, Roundness, and Formants. This will slowly morph the waveform over time, resulting in eerie, living textures.
    - Use external offset/attenuators to keep modulation in musical range.
  - **Gentle Detune:** Use slow random or triangle LFOs (or hand-played CV) to modulate Detune lightly for drifting polysynth vibes.
  - **Envelope Morphing:** Use looping envelopes with long attack/decay controlling Roundness and Formants for evolving pads.
  - **Multimode Output:** Mult the output and process one copy through reverb (for pad body) and another through FX/distortion (for ghostly tails).
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### Additional Rosci Tips

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- **Parameter CV Summing:** Remember, the module sums knob and CV input—fine-tune static settings with knobs, then add movement with CV.
  - **Tuning Stability:** Tuning is accurate to  $\pm 3$  cents over the 0–10V V/Oct range; you can confidently sequence at precise pitches for basslines and pads.
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Download the original manual for reference: [Rosci User Manual \(PDF\)](#)

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