

# Erica Synths – Clap

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## Erica Synths Dual Drive / Clap – Creative Patch Ideas

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The Erica Synths Clap module is a flexible and punchy analog clap drum voice, perfect for eurorack systems that crave classic and carefully tunable percussive hits. Here are some creative ways to use this clap module, leveraging its tone, decay, accent and CV inputs to make dynamic and unique patches.

### 1. Dynamic Clap Variations with Sequential CV

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- **What you need:** Clap + Sequencer or CV Step Modulator (e.g. Make Noise Pressure Points, Pamela's Pro Workout)
- **How to patch:** Connect sequencer CV outputs to TONE CV or DECAY via attenuator (if needed). Each step can impart a subtle or radical variation in your clap, turning static patterns into evolving percussion.
- **Why:** Integrate living hats and claps that never repeat exactly, perfect for IDM and modular techno.

## 2. Accent Processing – Groove & Swing

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- **What you need:** Clap + Accent CV source (e.g. Mutable Instruments Grids, ALM Pam's Pro Workout, 4ms QCD)
- **How to patch:** Send sync'd yet swung triggers to TRIG. Send varying voltage/groove to ACC input.
- **Why:** Get accented steps ("3's and 7's" swing grooves), build intricate and expressive percussive textures tied to your main rhythm.

## 3. Multi-Clap Randomization with S&H and Probability

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- **What you need:** Clap + Sample & Hold (e.g. Mutable Instruments Kinks) + Probability Gate (e.g. Mutable Instruments Branches, 2hp RND)
- **How to patch:** Use S&H to randomize TONE CV or DECAY CV with each clock pulse. Use a probability gate to make some claps drop out for less robotic patterns.
- **Why:** Adds natural/random humanization to sequenced claps, great for generative and live performance sets.

## 4. Modulating Tone for SFX and Experimental

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- **What you need:** Clap + LFO or Envelope Generator (e.g. Maths, Batumi)
- **How to patch:** Send slow or audio-rate LFO to TONE CV. Try envelope bursts to TONE or DECAY CV for interesting attack shapes.
- **Why:** Hit crunchy, metallic, or laser-like SFX territory; cross into experimental glitch or DNB snares.

## 5. Layering with Other Drum Modules

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- **What you need:** Clap + Drum Voice (e.g. Tiptop Audio BD808, Erica Synths Pico Drums) + Mixer

- **How to patch:** Mix clap out with a snare drum or another percussive sound. Try enveloping the mixed result.
- **Why:** Fatten up your snare, give house/techno patterns a sharper transient, or create old-school drum machine textures.

## 6. Using Clap as a Sound Source for Further Processing

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- **What you need:** Clap + Effects (Delay, Reverb, Bitcrusher, Granular module like Clouds)
- **How to patch:** Take ClaP OUT to FX in, manipulate wet/dry mix and feedback in real-time.
- **Why:** Epic, lush, or deconstructed claps that evolve and wash out; ideal for breakdowns, risers, or dark ambient layers.

## 7. Live Performance Expressiveness

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- **What you need:** Clap + Manual Gate/Touch Controller (e.g. Make Noise Maths, Intellijel Tetrapad)
  - **How to patch:** Use manual TRIG for human input, blend with sequenced triggers for hybrid control.
  - **Why:** Perform expressive fill-ins, stutters, or “human touch” moments during a set.
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## Recommended Module Types to Pair With Clap

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- **Sequencers:** For varying decay/tone/accents across beats
  - **Random/Probabilistic Gate Generators:** More organic groove
  - **LFO/Envelope Generators:** Creative modulation of parameters
  - **Mixers/Effects:** Layer and process for unique drum textures
  - **CV Attenuators/Utilities:** Shape modulation CV to taste
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Explore these ideas and twist them with your personal touch for unique modular percussion!

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