

Omnitone – 7Path

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[7Path Manual PDF \(Omnitone Product Page\)](#)

Using the 7Path - Ethernet Patch Cable Bridge for Hyper Complex Rhythmic Eurorack Patching

The **7Path** module is not a sound generator or an effect; it is a clever utility that allows you to route up to 7 signals between two physical locations in your modular setup using a single Ethernet cable. This makes it a powerful organizational and creative tool for advanced rhythmic and polyrhythmic patching. Here's how you can leverage this in the pursuit of dense, complex percussive sequences:

Creative Uses for Hyper Complex Rhythms & Percussion

1. Patch Dense Trigger/Clock Networks Between Cases

- **Scenario:** You have multiple cases (or multiple hands-on areas within a huge case), each with sequencers, clock dividers, logic modules, and drum voices.

- **Technique:** Route triggers, clocks, resets, and CVs for rhythms through the 7Path. For instance:
 - Send several different clock divisions and polyrhythmic triggers from one case/sequencer to another without crossing your entire rig with long patch cables.
 - Sequence 'A' in case one can trigger percussion voices in case two, while CV modulation floats the other direction, enabling very non-local and complex interaction.

2. Facilitate Polyrhythmic Pattern Generation

- **Scenario:** Want to intertwine different time signatures or create evolving, complex patterns?
- **Technique:** Use clock generators or sequencers producing 5/4, 7/8, etc., and send these as individual triggers via the 7Path to distant modules.
 - Route a Euclidean sequencer's polyrhythmic outputs to multiple drum voices far away in your setup, letting their complexity cross-pollinate other timing systems.

3. Distributed Logic for Advanced Rhythms

- **Scenario:** Using logic modules (AND, OR, XOR) to combine rhythmic gates and triggers.
- **Technique:** Patch logic outputs or inputs from logic modules on one side of your system through 7Path to interact with sequencers, dividers, and drum modules elsewhere. This is especially good for:
 - Muting/unmuting layers by remote logic gates.
 - Combining triggers from spatially separated sources for surprise polyphonic percussion hits.

4. Complex FX Routing for Percussion

- **Scenario:** Manipulate percussive voices or CV with unique and punchy effects.

- **Technique:** Use 7Path to route dynamic envelopes, LFOs, or stepped random CV from complex modulation generators in one case to VCFs, VCAs, or distortions processing drum voices in another. Introduce cross-case sidechaining or ducking.

5. Instant Re-Patching, Modular ‘Scene’ Changes

- **Scenario:** Need rapid re-routing without the cable mess, improvising live or in the studio.
 - **Technique:** Keep the 7Path “bus” as your main bridge—quickly shift what signals travel through its 7 lines to completely reshape groove and density on the fly, swapping trigger routings for fresh percussive interplay.
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Workflow Example:

Case A: Dedicated to complex rhythm gen (Pam’s New Workout, Ornament & Crime in Sequencer mode, Logic Modules).

Case B: Drum voices, percussive synths, and FX based percussion (filters, wavefolders, VCAs with short envelopes).

- Use 7Path to send:
 1. Two polyrhythmic triggers (say, a 5-step and a 7-step Euclidean).
 2. Clock divider’s triplet output.
 3. Random stepped CV for pitch/articulation.
 4. Envelope from Case A for accent or punch.
 - Receive in Case B:
 - Route all 7 inputs to different percussion voices, or mix and match using stackables and logic to hybridize dense patterns.
 - Feedback: Send a percussive accent or effect send trigger *back* through a different 7Path channel, creating a feedback control loop.
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Why This Is Uniquely Powerful

- **No Signal Restriction:** Any type of eurorack signal can be routed (triggers, gates, audio, CV).
 - **1-to-1 Mapping:** Patch input #4 on one, get the output on #4 at the other—super predictable for fast, performative workflow.
 - **No Power Required:** Passive, small, and doesn't eat up headers or case power budget.
 - **Organizational Tool:** Reduces cable clutter, especially with dense rhythmic patching, making setup and teardown less stressful and highly modular in the literal sense.
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Direct Link:

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Generated With Eurorack Processor

<https://github.com/nstarke/eurorack-processor>