2hp — Delay

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Creative Patch Ideas for 2hp Delay in a Eurorack System

The 2hp Delay is a compact yet powerful module with CV control over time, feedback, and mix. Here are some creative ways to integrate it with other modules to unlock unique sonic possibilities:

1. CV Automation with LFOs and Envelopes

- **What:** Patch an LFO or a looping envelope into the TIME CV or FDBK CV.
- **Result:** Modulate delay time for chorus/flanging effects or modulate feedback for evolving echo textures.
- **Modules:** Make Noise Maths, Intellijel Quadrax, or any function/LFO generator.

2. Karplus-Strong Synthesis

- **What:** Feed short bursts (clicks, noises, or very short envelopes) into the IN. Set delay time to very short and feedback high to create "plucked string" tones.
- **Modules:** Noise source or envelope generator (e.g., Mutable Instruments Peaks, 2hp EG).
- **Tip:** Modulate TIME CV for dynamic, pitch-bending string effects.

3. Voltage-Controlled Rhythmic Echoes

- **What:** Use a clock sequencer or trigger source to modulate either the TIME or MIX CV in sync with drum patterns for evolving rhythmic delays.
- **Modules:** Pamela's New Workout (clock source), Erica Synths Drum Sequencer.
- **Bonus:** Modulate feedback for synced dub-style delay throws.

4. Delay as a Sound Design Tool

- **What:** Patch complex audio sources (granular, wavetable, or FM voices) into the delay for dense, shifting soundscapes.
- **Modules:** Mutable Instruments Plaits, Make Noise Mimeophon, or similar.
- **Bonus:** Process the delay output with filters (e.g., Mutable Instruments Ripples) or wavefolders for even more timbral variety.

5. Self-Oscillation FX and Drones

- **What:** Crank the feedback (FDBK) to maximum until self-oscillation occurs. Use the TIME parameter as a pitch control.
- **Result:** The delay becomes a raw sound source! Use external VCAs or filters to sculpt the drone further.

6. Stereo Delay & Doubling (With Two Delays)

- **What:** Use two Delay modules, routing to left and right. Slightly offset TIME controls for stereo widening and classic ADT (automatic double-tracking) effects.
- **Modules:** Another 2hp Delay, or any compact delay.

7. Creative FX Chains

- **What:** Insert the Delay after a distortion (e.g., 2hp Distortion) for aggressive echoes or before reverb (e.g., Mutable Instruments Clouds, Erica Synths Pico DSP) for ethereal, cavernous echoes.

• **Chain Ideas:** Voice → Distortion → Delay → Reverb

8. Resampling and Feedback Networks

• **What:** Route the output of Delay back into itself via a mixer or crossfader (e.g., ALM Busy Circuits HPO + Fader), or into a pitch shifter for glitched, evolving textures.
• **Modules:** Cubusynth Crossfader, 2hp Mix.

9. Delay as a Performance Parameter

• **What:** Use manual CV sources, like a joystick (Intellijel Planar2) or expressive controller (Make Noise Pressure Points) to play the delay as a tactile instrument live.

10. Processing External Audio

• **What:** Run drum machines, guitars, or field recordings into the delay for lo-fi tape/echo textures.
• **Requirement:** Use a module like ALM S.B.G. or Intellijel Audio Interface II for line-level interfacing.

Pro Tip: Because all parameters are CV-addressable, complex automation is possible—use sequencers, stepped random modules (e.g., Wogglebug), or even gate to trigger random echoes for glitch effects!

For further experimentation and patch sheet generation, check out this repo:
Generated With Eurorack Processor