

WMD SSF — DPLR

- [Manual PDF](#)
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PDF Manual: WMD/SSF DPLR Dual Delay

Note: Link is the official manufacturer page; direct PDF is typically available through their resources or support section.

Creative Patch Ideas for the WMD/SSF DPLR Dual Delay

The DPLR is a remarkably flexible stereo/dual delay processor, offering crosstalk/Xtalk control, multi-mode filtering, voltage-controllable parameters, and ping-pong-like stereo field manipulation via SPREAD. Below are creative patching techniques, including module type and specific module suggestions, to unlock its potential in a modular setup.

1. Evolving Stereo Textures with CV Modulation

- **How:**
Use LFOs, function generators, or random CV sources to modulate each of the DPLR's CV inputs (DELAY CV, SPREAD CV, REGEN CV).
- **Modules:**
 - Mutable Instruments Tides (complex LFO)
 - Make Noise Maths (for looping envelopes or random stepped CV)
 - Befaco Rampage
- **Result:**
Evolving, shifting stereo delays, rhythmic glitches, and

psychedelic spaciness. Patch separate modulation sources to SPREAD and DELAY for constantly shifting ping-pong and time effects.

2. Feedback Network Madness

- **How:**

Patch DPLR's outputs back into each other's inputs via external mixers or VCAs. Insert external effects or processing (filters, wavefolders, distortion) in these feedback loops.

- **Modules:**

- Happy Nerding 3xMIA or Mutable Shades (for attenuverter/mixing feedback paths)
- Mutable Instruments Rings or Clouds for processing inside the feedback
- Any characterful VCF or wavefolder (e.g., Make Noise LxD, Intellijel Polaris)

- **Result:**

Wild, howling feedback, deeply resonant or destroyed textures, controllable through both the onboard filtering and your external processing chain.

3. Percussive Delay Machine

- **How:**

Trigger short bursts, noise, or drum modules, and send them through DPLR. Sequence the SPREAD or XTALK modes for drum fills or glitchy stutters.

- **Modules:**

- Mutable Instruments Peaks or Befaco Kickall (for percussion)
- Sequential switch (e.g., Doepfer A-151 or Livestock Maze) to modulate XTALK or SPREAD with a clock

- **Result:**

Unique, spatially shifting percussive patterns, and dynamic drum fills with evolving placement in the stereo field.

4. Karplus-Strong/Physical Modeling Resonator

- **How:**

Send short plucks, triggers, or noise bursts into DPLR at very short delay times (~40ms), high feedback, and low filtering for string/bouncy sounds.

- **Modules:**

- Any envelope generator + noise source or pluck (e.g., Mutable Instruments Plaits in pluck mode)
- Fast envelope (Intellijel Quadra, Maths, or even a trigger sequencer)

- **Result:**

Karplus-Strong style synthetic plucked strings, tuned via Delay Amount—use quantized voltage for pitch sequences.

5. Stereo Imaging & Ping-Pong FX on Mix Busses

- **How:**

Use DPLR as a send effect on a modular mixer's aux bus, processing entire stems or groups with discrete, Xtalk-modulated spatial delay.

- **Modules:**

- Befaco Hexmix, WMD Performance Mixer, or similar that offer sends/returns
- Stereo panners preceding DPLR for even more movement

- **Result:**

Instantly widen basic signals, add animated movement to the performance, with filter slope modes to dial in “vintage tape,” “space echo,” or “lo-fi digital” flavor.

6. Voltage-Addressable Tape-Style Delay Manipulation

- **How:**

Sequence or randomize XTALK and filter modes with gate sequencers, manual button presses, or voltage controlled switches.

- **Modules:**

- 4ms Rotating Clock Divider (for rhythmic gating)
- Expert Sleepers Switches

- **Result:**

Perform dramatic live glitching or morphing between “tape head” types and crosstalk, for rhythmic or improvisational transitions.

Extended Experimentation

- **CV Cross-Patching:**

Use different random or chaotic CV sources on each of the CV inputs—SPREAD, DELAY, REGEN—for distinct organic or “drunken” echo changes.

- **Push the Filter Slope LED:**

Automate changes between the four filter slopes with a manual button or sequencer for ambient, dub, or IDM breakdowns.

- **Tuned Delay Chains:**

Stack with digital pitch shifters (MI Warps, Tiptop Z-DSP) or granular modules after DPLR for cloudscapes or alien delay artifacts.

Need More Inspiration?

Explore [ModularGrid's DPLR Page](#) for system examples and community patch notes.
