

Korg – Volca FM2

- [Manual PDF](#)
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[Korg volca fm2 Manual PDF \(as provided in the images\)](#)

Creative Eurorack Uses for Korg volca fm2

The Korg volca fm2 isn't a Eurorack format module, but as a compact, affordable FM synthesizer with hands-on controls and sync/MIDI options, it plays great with modular gear via MIDI and analog clock/sync connections. Here are ways to creatively patch the volca fm2 in a modular context:

1. FM Voice Source with Analog Effects Processing

Patch Idea:

- Use the volca fm2's audio output as a sound source for extreme analog processing.
 - **Recommended Module Types:** Wavefolders (e.g. Intellijel Bifold, Joranalogue Fold 6), Filters (e.g. Mutable Ripples, Make Noise QPAS), and Character FX (e.g. Xaoc Devices Kamieniec).
 - **Result:** Warm up or destroy digital FM textures, layering digital metallics with analog grit, sweeps, or stereo imaging.
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2. Sequenced Drone Generator

Patch Idea:

- Lock the volca fm2's sequencer into a slow loop, and use drone-friendly algorithms (stacked carriers).
 - Sync its clock (SYNC IN/OUT) to your modular clock (e.g. Pamela's New Workout, 4ms QPLFO).
 - Use a voltage-controlled VCA/Envelope to shape the volca's drone in time with your modular events.
 - **Bonus:** FM or modulate effects parameters (reverb, delay) from LFOs for non-static ambience.
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3. Complex Arpeggios into Quantizers/ Randomizers

Patch Idea:

- Use the volca's internal arpeggiator modes combined with real-time parameter changes (e.g.,:
 - Randomize programs on the fly.
 - Use motion sequencing to sweep FM parameters, then process its output through a quantizer (e.g. Intellijel Scales) driving further CV-able oscillators for hybrid melodic layering.
 - **Result:** Evolving digital melodies mirrored or triggered in the analog world, great for generative music.
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4. Sync Modular Envelopes/LFOs to volca fm2

Patch Idea:

- Use the volca's SYNC OUT to clock modular sequencers or LFOs (e.g., Mutable Instruments Stages, Make Noise Tempi).
 - This lets outputs from your modular gear follow the FM patterns/arps precisely, enabling polyrhythmic textures between analog and digital gear.
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5. Modular Control Over FM Parameters

Patch Idea:

- Send MIDI CCs from modules like **Endorphin.es Shuttle Control, Expert**

Sleepers FH-2, or **ALM Busy Circuits Pamela's Pro Workout** to animate NRPN/FM parameters on the volca fm2. - Motion sequence MIDI messages mapped to parameters such as operator ratios, envelopes, or LFO rate/depth for morphing timbres. - **Result:** Modular envelopes/LFOs directly sculpt FM timbre for percussive, glitch, or sound-design heavy patches.

6. Volca fm2 as a Drumsource

Patch Idea:

- Use the sequencer to create fast, percussive FM sequences. - Process output through a Eurorack LPG (Low Pass Gate, e.g. Make Noise Optomix) for natural decay, or into a granular/looper module for glitchy experimentation (e.g. Mutable Instruments Beads).

7. FM Layer in a Polyphonic Patch

Patch Idea:

- Pair the volca fm2 with a modular polyphonic voice (e.g., **Verbos Harmonic Oscillator**, **Qu-Bit Chord V2**) and clock them together. - Use the volca as an “FM choir” layer, stereoized and spread with modular panning modules.

8. Feedback & Resampling Loops

Patch Idea:

- Route volca output into a modular sampler/looper (e.g., **4ms Stereo Triggered Sampler**, **Make Noise Morphagene**). - Cut up, stutter, or scan through FM textures and feed back into FX loopers for “tape” style warping.

9. Algorithmic FM Layer for Techno/IDM

Patch Idea:

- Sequence the volca fm2 with your modular's trigger/gate sequencer (e.g., **Tiptop Circadian Rhythms**), mapped via MIDI, for tightly locked FM stabs, hats, or chords in sync with your analog rhythm tracks.
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10. CV-Responsive MIDI Control

Patch Idea:

- Use a MIDI-CV interface (e.g., **Expert Sleepers FH-2/ES-8/ES-3**) to send LFOs, random voltages, or envelopes from modular to the volca over MIDI CCs, turning operator ratios, algorithm selection, or patch changes into part of your modular modulation universe.
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Some Specific Euro Modules for Hybrid Fun

- **MIDI-to-CV:** Expert Sleepers FH-2, Mutant Brain, Disting EX
 - **Multi-Effects:** Strymon Magneto, Mordax Data (for visualizing signals), or Tiptop ZDSP
 - **Envelope Followers/Gate Extractors:** Befaco Instrument Interface (to convert volca's audio to triggers for modular)
 - **Feedback/Haunted Spaces:** Mutable Instruments Beads, ALM MFX
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Want more ideas, MIDI templates, or hybrid modular/volca tricks? Join the DIY patching community!

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