

Vril

Nine generator / processor algorithms in one mono voice.

A monophonic instrument inspired by the nine launch algorithms of the Vhikk X references. Each algorithm pairs a generator with one of two delay-network processors (Dungeon or Reflekta). It is an original implementation of the described structures and control relationships, not the manufacturer's firmware, and makes no claim of sonic equivalence.

Generator controls sit on the left, Seed, Scan and the algorithm menu in the centre, processor controls on the right. Twenty-eight sound parameters are automatable, with four parameter banks.

ALGORITHMS

#	Generator	Processor	
1	Analog carrier / modulator	Dungeon	
2	Dynamic waveshaping pair	Reflekta	
3	Six-sine cluster	Dungeon	
4	Four procedural wavetables	Dungeon	(bit reduction / bandpass)
5	Four procedural wavetables	Dungeon	
6	Four procedural wavetables	Reflekta	(wavefolding)
7	Diatonic cluster	Reflekta	
8	Continuous cluster	Dungeon	
9	Continuous cluster	Reflekta	

QUICK START

- 1 Load on a MIDI track. Play notes, or set **Voice** to Drone for a continuous C3 reference.
- 2 Pick an **Algorithm**, then sweep **Morph**, **Warp**, **Fuse**, **Span** and **Field** on the generator side.
- 3 Move **Seed** and **Scan** to change the deterministic internal offsets and the waveform construction. Random changes both.
- 4 Raise **Mix** and **Feed** on the processor. Feed is bipolar: left returns shifted feedback; right blends shifted and unshifted feedback for moving notches.
- 5 Set **Modulation** to Envelope, LFO or Offset and use the five attenuverters to move Morph, Basis, Field, Time and Form.

CONTROLS

GENERATOR

CONTROL	RANGE	WHAT IT DOES
Warp	-100 to +100 %	Left and right halves pick different cross-modulation or feedback types per algorithm.
Span	-100 to +100 %	Spreads pitch and, clockwise, stereo placement.
Morph	0-100 %	Scans timbre or paired pitch/wave clusters. Default 35.

CONTROL	RANGE	WHAT IT DOES
Fuse	-100 to +100 %	Chorus, resonance, saturation, folding or delay-modulation, depending on algorithm.
Basis	-48 to +48 st	Pitch offset.
Field	-100 to +100 %	Extra generator field control.
Algorithm	1-9	Order follows the Vhikk X algorithm reference.
Seed, Scan	0-100 %	Seed changes internal offsets and delay taps. Scan varies waveform construction (or ring-mod mix in algorithm 3). Defaults 27 and 35.
PROCESSOR		
Mix	0-100 %	Wet amount. Default 40.
Feed	-100 to +100 %	Bipolar feedback. Distance from centre sets the depth. Default 35.
Form	0-100 %	Transforms sparse echoes toward diffuse tails. Default 35.
Time	5-2000 ms	Delay time. Default 280.
Cell	-100 to +100 %	Quadrature frequency shifter in the feedback loop.
Output	-70 to +6 dB	Digital silence at the minimum. Default -12.
VOICE AND MODULATION		
Voice	MIDI / Drone	Drone is a continuous C3 reference (MIDI note 48).
Attack, Release	1-5000 ms, 5-12000 ms	Shape the VCA before the processor, so delay tails can ring after note-off. Defaults 12 and 450.
Glide, VCA	0-2000 ms, 0-200 %	VCA above 100 % drives the processor.
Modulation, Rate	Envelope / LFO / Offset, 0.01-20 Hz	Source for the five attenuverters. With Offset they act as fine adjustments.
Mod Morph, Basis, Field, Time, Form	-100 to +100 %	Attenuverters. Basis modulation reaches one octave at full depth.
Input, Source, Channel	-70 to +30 dB	Optional stereo source via Live's audio routing, mixed before the filter and VCA. Silent by default. The two menus follow Live's routing and are not automatable.

NOTES

Playing

Last-note priority, sustain, velocity, two-semitone pitch bend and glide are supported. **Panic** returns to MIDI mode, releases held notes and resets the DSP state. Random changes Seed and Scan through their native controls so Live stores the values.

Processors

Both use a four-line delay network with controllable diffusion, damping and soft saturation. Reflekta adds modulated all-pass diffusion. Vril follows Live's current sample rate; nonlinear FM and folding can alias at extreme settings.

Banks

Four parameter banks for controllers. Per-algorithm hardware memory and encoder mode-switching are replaced by directly accessible parameters.

STATUS

Native release verification is pending. Gen compilation, the Max/Live panel, audio and MIDI playback, input routing, session recall and opening the frozen device have not been verified. The automated checks do not substitute for them.