Hauntology Manual

Synthetic FX

November, 2026

Hauntology Users Manual



Figure 1: Hauntology

Hauntology chains four destructive processors: a spectral freezer captures the input, an inharmonic shifter moves every frequency by the same number of Hz (chord intervals are destroyed, it is not a pitch shift), a plate reverb turns that into a long tail, and a bit crusher degrades the result. Capture and detune dead-VHS pads.

Inputs and Outputs

- `IN L` and `IN R`: audio in. If only `IN L` is patched, it feeds both sides.
- `OUT L` and `OUT R`: stereo audio out (dry/wet mix).

Hauntology is not polyphonic: polyphonic cables are summed to one signal. The spectral stages add about 1024 samples of latency to the wet signal, so partial MIX settings blend a slightly delayed wet path with the dry input.

Parameters

Every parameter has a CV input to the right of its knob. The CV is additive, and `10 volts` sweeps the full range of the parameter from the knob position.

Parameter	Range	Default	Notes
FREEZE	0 – 100%	60%	Depth of the spectral freeze. Above 1% the spectrum is held; 0 is transparent.
SHIFT	-1000 – +1000 Hz	0	Inharmonic shift, in steps of one FFT bin (about 47 Hz at 48 kHz).
DECAY	0 – 99%	80%	Plate reverb tail length.
BITS	1 – 16 bits	10	Bit depth of the crusher.
RATE	1 – 100x	6x	Sample-rate divider of the crusher (squared knob curve).
MIX	0 – 100%	80%	Dry/wet balance.

Context Menu

The panel colour and the output limiter can be chosen from the module's context menu, as with the other Synthetic FX modules.