

A Filter of Crows

pgh



Complex and beautiful, menacing and subtle. A Filter of Crows reaches deeper into our soul.

A Filter of Crows is a unique filter module that builds on the concept of the original Crow filter. It combines three 100% analog Pittsburgh-designed technologies.

The first is an ultra-high-gain preamp circuit. The preamp, taken directly from the original Crow offers a unique up to 75x of variable gain overdrive. This circuit provides unmatched dimensions of overdrive without sounding harsh. Additionally, the circuit can be completely bypassed to allow for a completely clean exploration of the other aspects of the module.

Next is a 12db State Variable “no-dead-spot” Filter, our classic PGH Filter with manually selectable and stackable filter responses. Lowpass, bandpass, and highpass filter responses can be enabled or disabled individually for instant parallel processing. The PGH filter has been continually refined over the last 12 years of research and altered to fit the demands of each system that it has been a part of. One of its unique defining characteristics is its ability to offer a complete sweepable range without any noticeable dead spots. The PGH filter has no noticeable dead spots and is voiced to interact well with the high-gain preamp circuit. The result is a rich, even, fully sweepable range.

Lastly is our Resonant Stability Circuit. This circuit enables the PGH filter to provide near-infinite resonance without slipping into self-oscillation, unless the user wants it to. Set to stable, Crows will not self-oscillate. It operates as a clean, organic filter. Set to unstable mode, the character of Crows changes dramatically. At normal settings, the incoming signal modulates the self-oscillating filter to produce harmonically complex sounds. In more extreme settings, Crows will start to struggle with controlling the oscillating resonance, adjusting the resonance shifts from ringing fuzz to heavy distortion to an extremely musical total failure.

The PGH Filter was the first collaboration between Richard Nicol and analog engineer Michael Johnsen. It defined the voice of the Lifeforms SV-1 synthesizer and will continue to be the heart of our sound.

Knobs, and Jacks

Gain Knob With Drive Switch down, the Gain Knob is a pre-filter audio attenuator. With Drive Switch up, the Gain Knob is a pre-filter overdrive gain control.

Frequency Knob Adjusts the center frequency of the filter.

Resonance Knob Adjusts the resonance (Q) of the filter. With Stability Switch down, turning the Resonance Knob to the right adds resonance. With Stability Switch up, the filter will self oscillate the turning the Resonance Knob to the left adds resonance. The signal may cut out in very pleasant ways with extreme amounts of resonance when the Stability Switch is in the up position.

Frequency CV Attenuverter Frequency control voltage attenuverter.

Resonance CV Attenuverter Resonance control voltage attenuverter.

High Pass Filter Response Switch Up to enable high pass filter response.

Band Pass Filter Response Switch Up to enable band pass filter response.

Low Pass Filter Response Switch Up to enable low pass filter response.

Overdrive Switch Up to enable overdrive mode.

Stability Switch Up to enable unstable resonance mode.

Input Jack Audio input.

Frequency CV Jack CV input used to modulate the frequency.

Resonance CV Jack CV input used to modulate the resonance.

Output Jack Audio output.



Specs

Size 8hp

Depth 24mm

Power +12v 40 mA / -12v 40 mA