

Blue Lantern Modules – Voks Analog Filter

• [Manual PDF](#)

[BLM Voks Analog Filter Manual \(PDF\)](#)

BLM Voks Analog Filter – Cheat Sheet

Type: Analog VCF (Voltage Controlled Filter)
Format: Eurorack (6HP)
Current draw: +13mA, -13mA
MSRP: \$103 (blowout), originally \$150
Design: Based on classic Polivoks filter, modernized parts with improved sweep.

Panel Overview & Controls

Inputs

Label	Type	Description	Voltage Range
IN (LEVEL)	Audio/ CV	Attenuated audio input via Level knob	Audio $\pm 5V$ typical
CV IN	CV	Direct filter cutoff modulation input	CV 0-5V

Label	Type	Description	Voltage Range
FM (bi-polar CV)	CV	Frequency modulation (bi-polar) input, depth controlled	CV $\pm 5V$
1 IN	Audio	Direct, unattenuated audio input	Audio $\pm 5V$ typical

Outputs

Label	Type	Description	Voltage Range
LPF	Audio	Low Pass Filter output (12dB/oct, amplified)	Audio $\pm 5V$
BPF	Audio	Band Pass Filter output (6dB/oct, amplified)	Audio $\pm 5V$

Switches & Buttons

Label / Type	Function	Notes
2-way Toggle	Filter Mode: Normal / Unstable Brite	Brite: unstable/edgy
2-way Toggle	Limiter Diode in circuit: On / Off	For added saturation

Knobs

Knob	Function	Range
LEVEL		0 \rightarrow Max input

Knob	Function	Range
	Controls input gain (attenuates "IN")	
FM Amount	Controls depth of bi-polar FM	0 → Max depth (unlabeled, but present)

Feature Recap

- **Modes:**
 - **Normal:** Classic Polivoks timbre.
 - **Unstable Brite:** More aggressive/edgy, less predictable resonance.
 - **Limiter Diode:** Soft clipping/saturation switch for character and taming levels.
 - **Outputs:**
 - **LPF (12dB/oct):** Steeper, classic lowpass filter.
 - **BPF (6dB/oct):** Gentler bandpass flavor.
 - **Inputs:**
 - **Two audio ins:**
 - One level-controlled via the panel knob.
 - One direct, full strength.
 - **CV Control:**
 - **Direct CV input for cutoff.**
 - **FM input for wild modulations (bipolar).**
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General Use Tips

- For classic filtering, use **IN** with the LEVEL knob, **LPF** out, switch in Normal/Diode off.
- For wild, unstable tones/noisy sweeps, use Unstable Brite mode and experiment with FM and Limiter engaged.
- Use both LPF and BPF outs for parallel or stereo effects.
- Bi-polar FM accepts full audio-rate CV for aggressive timbres.

Reference Links

[BLM Voks Analog Filter Manual \(PDF\)](#)

[Generated With Eurorack Processor](#)