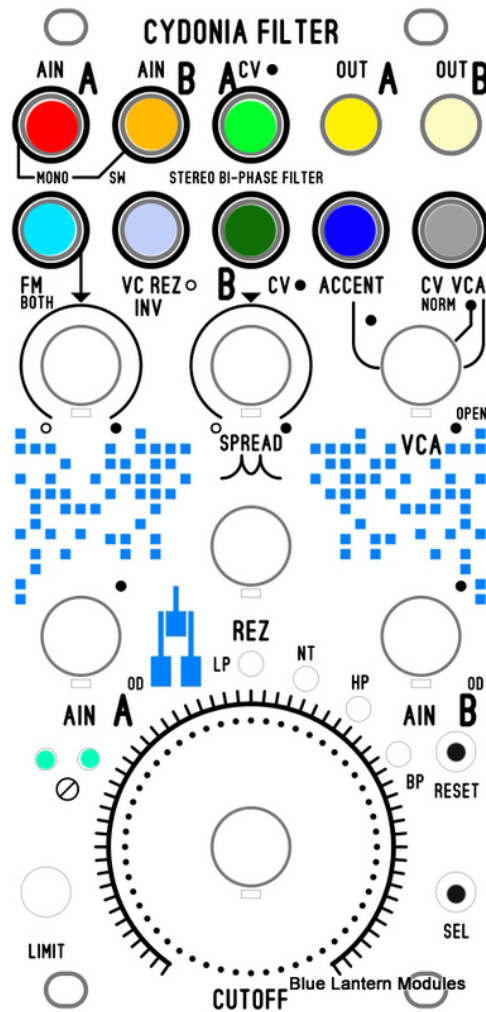


Cydonia Stereo BI-Phase VCF



Red Jack: Input jack A. This is an audio input for the first channel found on this product. AIN A knob is used to control the input level. Fully clockwise applies gain, and will overdrive the input. The Dot graphic implies a normal gain of around x1. There is an internal switch jack connection that will patch input A into input B. To break this connection, just patch into Input B.

Orange Jack: Input jack B. This is an audio input for the second channel found on this product. AIN B knob is used to control the input level. Fully clockwise applies gain, and will overdrive the input. The Dot graphic implies a normal gain of around x1.

Light Green Input Jack: Direct CV input for VCF#1. This input is 1V per octave.

Dark Green Input Jack: Direct CV input for VCF#2. This input is 1V per octave.

Dark Yellow Output Jack: This is the output for the first VCF/VCA channel. VCA knob is used with this jack. Fully Clockwise on the VCA knob will 'open' and allow full audio to pass to the output jack.

Cydonia Stereo BI-Phase VCF

Light Yellow Output Jack: This is the output for the second VCF/VCA channel. VCA knob is used with this jack. VCA knob is control for both VCA channels. Fully Clockwise on the VCA knob will 'open' and allow full audio to pass to the output jack.

Dark Blue Input Jack: Accent Input. This is a direct CV input for the both VCA's. VCA knob is used with this input jack. The VCA knob will manually adjust the 'closing' gate point for both VCA channels.

Grey Input Jack: CV VCA. This is another direct CV input for the both VCA's. Accent and CV VCA inputs are for both internal VCA's. Each VCA gets two CV inputs: Accent and CV VCA. VCA knob is used with this input jack. The VCA knob will manually adjust the 'closing' gate point for both VCA channels.

Light Blue Jack: Input FM jack for both filter channels. This is a bi-polar CV circuit. FM knob is used with this input jack. Middle position on the FM jack is basically 0V setting, clockwise is positive voltage, counter clockwise is negative voltage. When nothing is patched into the FM jack, the FM knob has no effect on the filter.

Indigo Jack: REZ CV. This input jack will invert whatever is patched into it and control voltage both REZ circuits on this product. REZ knob controls resonance for both filter channels. This knob is used in conjunction with this input jack. There is no Level Input knob for this jack; it is a direct inverted CV input.

Spread Knob Parameter: Middle setting applies 0v to both filters. This is the 'off' setting. Turning the knob counter clockwise or clockwise spreads each filter resonant peaks in the opposite directions of each other. For you to really hear the effect of the spread parameter, have the Rez knob at middle or more position (clockwise).

Cutoff Knob Parameter: This knob controls the filter sweep for both filter channels.

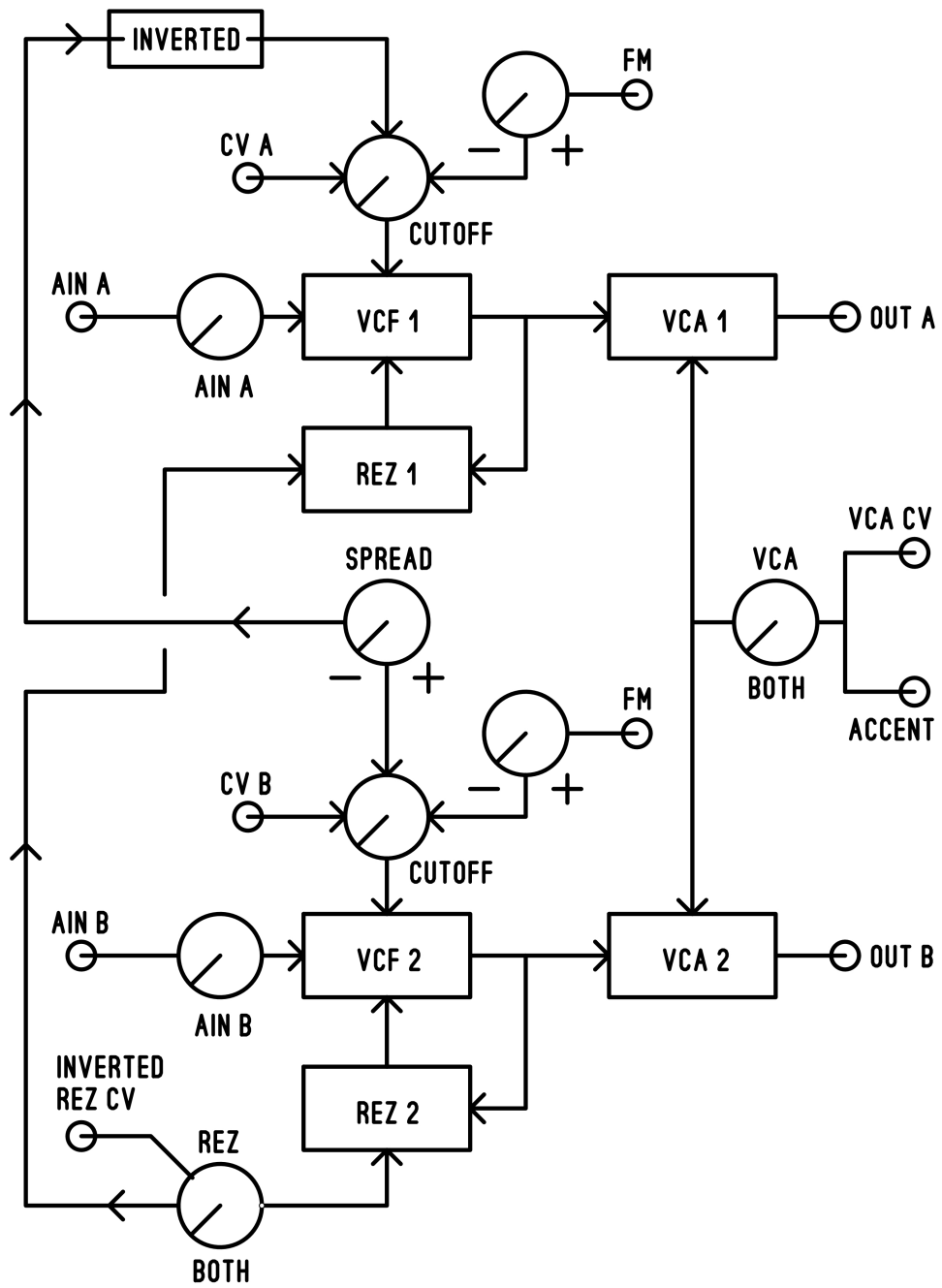
SEL push button: This selects the four filter modes for both filter channels. Low Pass, Notch, High Pass, and Band Pass.

RESET push button: This push button will quickly return the mode to Low Pass mode.

LIMIT Switch: this toggle switch applies a diode limiting circuit to both resonance peaks found on both filters.

Aqua Trimmers: Left is channel A, right is channel B. This is used to adjust the self oscillation sine wave of each filter channel. If you like a very strong sine wave, adjust this trimmer to your liking. Remember you need to have the REZ knob fully clockwise to self oscillates.

Cydonia Stereo BI-Phase VCF



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Euro Format Specs:

Current: +83mA, -77mA

Width: 12HP

RIBBON POWER: -12V GND GND +12V, NO 5V REQUIREMENT NEEDED.

ALL BLM PRODUCTS USE RED STRIPE FOR NEGATIVE POWER INDICATION.