



Section Green. Analog VC LFO with triangle and Sinus Spike Waves. The top toggle switch controls the range of the lfo. Hyper is for audio rate modulation, norm is for the original lfo speed, and slow is for really slow lfo modulation.

Rate MOD knob is a passive input attenuator use with the Rate CV input jack. Use this to CV the LFO Rate.

LFO MOD knob is a passive output attenuator internally patched to the phaser. Use this to adjust how much modulation from the lfo is sent to the phaser. The Toggle switch to the left of it selects the waveform. Sinus spike is a custom waveform used in the 1970's to optimize phaser sweeping and chorus effects. Not many products went to the trouble of making this waveform, they usually only offered triangle wave.

Top orange Led's. These signify LFO speed.

Aqua Blue Section. Analog Phaser circuit. This circuit is based on the polychrome phaser from Farfisa Fame. The exponential converter is my design, and I added a CV feed back with diode limiting. The feed

BLM PHASE 4 DAZE ANALOG PHASER

back knob has auto gain, and will not lose low end, or lower in volume. It will self oscillate when fully clockwise. The 1v per octave is not precise. It will only track about 2 octaves.

FBK Knob. This is an attenu-inverter input. Used with the FBK CV input jack. This is the CV for the feedback knob. 12 o'clock position gets you to zero volts input.

Linear FM input jack. This is a linear modulation input. It is best used when you don't want heavy modulation on the phaser.

Phase CV Knob. This is an exponential CV input passive attenuator knob. This can be used to control the 1v per octave, self oscillated sine wave when fully clockwise. Otherwise, you can patch an external lfo to this to create more complex phaser sweeps.

Yellow LED is to help you see the sweep speed on the VCP input jack. This sweep speed is from your external modulation module.

Red Section. This is the Audio Input. The Audio Input Knob has gain and best used with adjustment depending on your audio source. The worst thing you can do is have it fully clockwise 100% of the time. You will miss out on the unique harmonics this product is capable of producing. The NORM graphic is used for -5v/+5v synth level audio signals. This helps you find the range. The higher the gain, the more you drown out the feedback harmonics. Experiment and find a balance. The Mix toggle switch mixes in the dry audio signal patched from the Audio Input jack.

The Green and Red Bi-color Led is just for show, it reacts to -5v/+5v signals on the output of the phaser circuit. Red Color does not signal audio Clipping.

This product is very easy to use. The addition of the internal lfo made it even easier to get quick results.

BLM Phase 4 Daze

Width: 8hp

Current: +48mA -48mA