



LYSIS

POLYPHONIC OCTAVE FUZZ MODULATOR

WHAT IS THE LYSIS MKII?

Thank you for purchasing the Lysis MKII Polyphonic Fuzz Modulator and welcome to our fuzzy-filter paradise!

The Lysis MKII is designed to meld the world of strings with that of synths by applying thick, resonant filters, multiple polyphonic voicings and sweeping LFO's, all drenched in an analog square-wave fuzz to your instrument of choice.

Combined with our feature rich and easy to use control set, the Lysis MKII becomes an extension of your instrument and an inspirational toolbox. Loaded with tap tempo, speed ramping, LFO braking, a myriad of waveforms, assignable expression/CV input and more, the Lysis MKII delivers big, meaty tones, wrapped in thick, synthy textures.

Let's dive-in and find out what this nasty little beast can do. Riff away my sonic voyager.

WHAT DO THE KNOBS DO?

Speed: This knob adjusts the speed of the LFO, from low and slow, to warble fast. This also controls the filter frequency in Manual mode.

Mode: The Lysis II has three different wave modes to choose from and each mode has 11 presets. This 11-position knob selects the preset. See Waveforms!

Ramp: This allows you to set the intensity of the momentary ramp feature. With the knob in the center position, the Ramp feature is off. Turning it CCW from the noon position slows down the LFO, while turning it CW from noon position increases speed. The distance the knob is from the noon position determines how quickly the speed will ramp up or down and return to its original position. See Tap/(Ramp)

Blend: This control gives you a blend between the always on octave/-fuzz section and the filter section.

Fuzz: This knob controls the amount of fuzz in the circuit.

Level: This is the master volume of the pedal.

WHAT DO THE SWITCHES DO?

Wave: This toggle switch selects the main LFO waveform. Left enters sawtooth mode, center is sine and right is square. This toggle is used in combination with the 11-position mode switch to deliver a total of 33 different LFO shapes. For realsies! See Waveforms!

Res: This toggle sets the resonant peak of the filter. Left is low resonance, center is medium and right is high resonance.

Voice: This toggle selects the octave voicing of the Lysis. Left is octave down, center is octave down/octave up, right is octave down/fifth aka Super Power Chord.

HPF/LPF: This changes the filter type. The left position engages a high-pass filter while the right engages a low-pass filter.

Tap/(Ramp) Footswitch: This footswitch allows you to tap in the speed. When the switch is held down it ramps the speed up or down, depending on how the ramp knob is set.

Bypass/(Brake) Footswitch: Turns the effect on and off. If you hold the foot switch down while the effect is on, you will momentarily pause the LFO until this button is released.

WHAT ABOUT JACKS, DIPS AND POWER?

In: Plug in your instrument (or another pedal etc.) into here.

9V: The Lysis MKII requires a center-negative, 2.1mm 9VDC power adapter with at least 60mA of current (not included). Almost all power supplies meet this requirement, but check yours beforehand. There is no option for a battery.

IMPORTANT: USE OF AN IMPROPER POWER SUPPLY WILL VOID WARRANTY

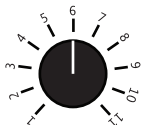
Expression Pedal/CV Jack (EXP): Using an expression pedal takes over certain knob functions depending on the internal dipswitch settings. This jack can also be used for 0-5V CV operation. A special cable is required for CV operation - Mono 1/8" or 1/4" to 1/4" TRS with the ring disconnected for most applications.

Internal Dipswitches:

- Down/Down: Expression pedal/CV controls Speed
- Down/Up: Expression pedal/CV controls Resonance
- Up/Down: Expression pedal/CV controls Blend
- Up/Up: Expression pedal/CV controls Speed and Resonance

Out: Connect to your Amplifier (or another pedal etc.) from here.

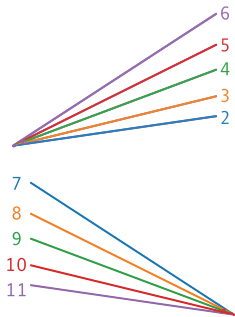
WAVEFORMS!



The Lysis MKII offers a wide variety of wave shapes that can be set via the 3-position wave toggle and 11-position mode knob. The Wave toggle selects between Sawtooth, Sine, and Square modes, each offering 11 different presets as seen below. Manual control is accessed via the speed knob or expression pedal.

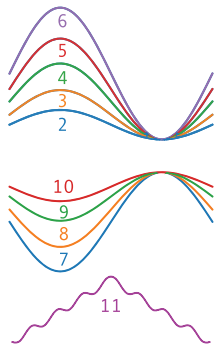
SAWTOOTH

1 - Manual Control

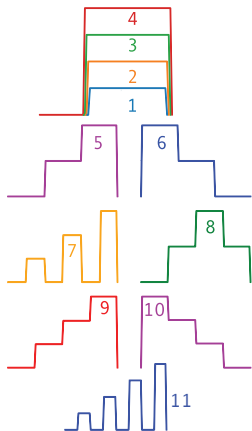


SINE

1 - Inverted Manual Control



SQUARE



WARRANTY INFORMATION

All SolidGoldFX products purchased through the solidgoldfx.com website or our authorized dealers come with a three-year warranty against failure resulting from defective parts and/or faulty workmanship. Cosmetic flaws or issues related to wear and tear are not covered.

The warranty applies only to the original owner of the product and is not transferable. Warranty coverage terminates three years after the owner receives the product. While a product is under warranty, the product will be repaired free of charge. The owner of the product will be responsible for both shipping to and from SolidGoldFX. Warranty coverage will be automatically cancelled should the product be tampered with, modified, abused, damaged through misuse, repaired by an unauthorized third party, or damaged through failure to follow the operating instructions. Use of an improper power supply will void warranty.



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