Inspired by the optical technology of traditional valve amplifiers, the Mastro Valvola LFO is an optical tremolo that evokes the classic vintage sounds of the past, while offering a range of exciting new features. The classic warm, enveloping modulation that distinguished amplifiers manufactured during the 60s is reproduced by the opto-isolator that lies at the heart of the analogue audio signal circuit. However, the opto-isolator is managed by a digital brain, allowing you to produce effects ranging from traditional tremolo to unique, inspirational waveforms, and experiment with new atmospheres and hypnotic effects that have never been heard before.

Main features:
- 16 different waveforms
- Symmetry control to alter the shape of LFO waveforms
- Tap Tempo with 3 selectable divisions
- Opto-isolator variable resistance path
- Volume control for easily matching dry and effected sound

The use of an isolated power supply is recommended for powering LFO. Daisy chain power supplies are not recommended.

The “tap tempo” switch can measure the time between two taps and uses this time to set the LFO’s basic speed. The “Division” control selects a tempo multiplier which is used to determine the final LFO frequency. This allows the LFO to produce changes at double speed or produce triplet times.

The “sym” control modifies the duty cycle of all LFO waveforms. Does not affect “Random Levels” wave.

Higher depth settings generally require a higher “volume” setting.

True bypass engages or disengages the effect.
16 wave shapes

**set A**

1. ramp up
2. ramp down
3. square
4. triangle
5. sine
6. sweep
7. lumps
8. random levels

**set B**

1. ramp +oct
2. quad ramp
3. quad pulse
4. tri step
5. sine +oct
6. sine +3rd
7. sine +4th
8. random slopes

**Settings**

- **freeze**
- **hypnotic**
- **bouncing**
- **helicopter**
- **techno**
- **bang bang**
- **60's sine**
- **rotor**
- **noise random**
- **psychedelic bass**

*Mastro Valvola pedals - Italy - www.mastrovalvola.it*