

WALRUS AUDIO MAKO M1 (Multi-Function Modulation Machine)

- Item: 59086
- EAN: 810424033726
- Packaging dimensions: 14.6 x 10.7 x 6.4 cm
- Weight: 0.44 kg
- [Pictures](#) | [Translations](#) | [Manual](#)



Need to know for Retailers

- First multi-function MAKO modulation machine
- 6 studio-quality effects: Chorus, Phaser, Tremolo, Vibe, Rotary, and Filter
- 3 onboard banks to save 9 presets
- Dedicated lo-fi knob allows to mix various lo-fi parameters to every effect
- Stereo/Mono in-and-output

Full Feature List

- Multi-function stereo modulation machine
- 6 customizable studio-quality effects: Chorus, Phaser, Tremolo, Vibe, Rotary, Filter
- Every effect offers 3 "Types", resulting in 18 different basic effects
 - Chorus: Classic, Double Chorus, Tri-Phase
 - Phaser: Mild 70s style Phaser, 2 Notch Phaser, Uni-Vibe
 - Trem: Traditional Tremolo, Harmonic, Pattern Sequencer
 - Vibe: 60s style Vibrato, Record Player, Tape (flutter)
 - Rotary: Full, rotating horn, rotating drum
 - Filter: Lowpass, Highpass, Bandpass (LFO or dynamic)
- Classic modulation tones to modern, highly tweaked filter and modulation experiments
- Rate and Depth controls for basic modulation settings
- Lo-fi knob which allows to mix various lo-fi parameters to every program
- Dedicated X-parameter for every effect type
- Tune knob controls Tone, Symmetry (in stereo mode) and X-Parameter
- Tweak knob controls Shape (LFO), Div (subdivision) and Type (Effects Type)
- 3 onboard banks to save 9 presets
- Cycle between presets by pressing bypass and tap simultaneously
- 128 presets accessible via MIDI
- MIDI In/Out DIN Connections
- Tap/Skip engage a momentary skipping effect like a needle skipping on a record player when held down
- 12.5 x 6.4 x 6.7 cm
- 9VDC 300mA
- Power supply not included
- Updatable via USB
- Made in the USA

Description

The M1 is a powerful multi-function modulation machine with six customized, studio-quality effects: Chorus, Phaser, Tremolo, Vibe, Rotary, and Filter. Each effect has a wealth of options to tune, tweak, customize and then save to one of nine onboard presets. A sound explorers delight, the M1 features a dedicated lo-fi knob allowing you to mix various lo-fi parameters to every program. Add subtle movement and texture to float under your playing or make a massive statement with a thick swirling chorus to choppy panning tremolo. Write your sonic story in any style and genre with the M1 High-Fidelity Modulation Machine.

Programs

Chorus – Find subtle chorus to be vibrant and lush tri-chorus that will instantly teleport you to the 80s. Type I is a traditional chorus great for tight smooth chorus tones. Type II adds a second chorus with an offset rate and depth. Thanks to the constructive interface, it has a more dramatic character caused by essentially running two chorus pedals in series. Type III finds its roots in the classic tri-chorus effect running three chorus units in parallel for a lush multi-dimensional chorus. X knob controls Lag to set the maximum allowed amount of pitch detuning.

Phaser - Classic 70s phaser sounds we all know and love, with added features that you wouldn't expect. Similar to the Lillian, Type I is a 2-Stage Phaser that produces a single notch to the classic mild phaser. Type II is a 4-Stage model producing 2 notches for a stronger effect. Type III is a phaser modeled after the unique tuning and LFO shape found in a Uni-Vibe. X knob introduces Feedback for a more dramatic phaser effect.

Tremolo - This effect emulates a tremolo with three algorithms containing all the bells, whistles, and even a cherry on top. ;-) Type I is excellent for traditional sounds similar to optical and bias tremolos that raise and lower the entire frequency range – similar to the Monument in standard mode. Type II is a warm and cozy harmonic tremolo – similar to the Monument in harmonic mode. This unique sound is formed by raising and lowering your high and low frequencies opposite each other. Type III offers several predefined patterns for rhythmic sequenced pulsing tremolo. X knob manipulates the phase of the left and right volume modulation for a wide stereo panning effect. Shape and Symmetry in Type III (pattern Trem) select the pattern group and patterns within each group.

Vibrato - Make good guitar parts great with detuned, warbly, and vintage sounds that harken back to the 60s. Type I focuses on traditional vibrato sounds like those found in Julia and Julianna's "V" mode. Old record players inspire type II with classic RPM's on the rate knob and some noise character you'd find in your dad's old dusty Speedwagon LPs. The rate knob can select 33rpm, 45rpm, and 78rpm speeds in this mode. Type III is our take on the wow and flutter pitch characters found in old tape players. Warm and charming with a hint of nostalgia. X knob manipulates the phase of the pitch modulation when connected with stereo outs in Type I and Type II and controls the amount of "flutter" modulation applied in Type III.

Rotary - Because you can't fit a Leslie speaker on your pedalboard, type I aims for that traditional watery sound of a well-oiled Leslie speaker. Type II only spins the horn but still plays the sound out of the drum. Type III only spins the drum but still plays sound from the horn. X knob controls the drive of the horn.

Filter - Add tone-shaping movement to your signal with different modulated filters. Type I is a lowpass filter good for modulated darker tones. Type II is a highpass filter used to creatively modulate your low frequencies. Type III is a bandpass filter forming a sliding "window" of frequencies. Drive the filter frequency with the main LFO or do things like set the depth to zero and turn up the LO-FI envelope control to drive the filter frequency with your playing dynamics. X knob controls filter resonance, bringing a more aggressive sound to the selected filter. Tone controls the filter's center frequency or starting frequency where the modulation is applied.

Presets

The M1 can save up to nine onboard presets, and 128 are accessible via MIDI. On-board presets are accessible with the bank switch. Cycle between presets in each bank by pressing Bypass and tap simultaneously. You will see the right LED change from Red to Green to Blue. Any adjustments made in a preset will change the tap LED to purple, indicating you have edited the preset.

Tune

The Tune knob and toggle switch offer creative control over three additional modulation parameters and three “lo-fi” effects. These allow you to shape further each modulation program to taste. The lo-fi effects can add additional character and movement to your sound.

- Tone: Controls the overall tone of your signal passing through the M1.
- Symmetry: Controls the symmetry of the LFO waveshape modulating your signal with noon being “normal” or fully symmetric.
- X: Controls different parameters depending on the selected Program and Type.

Tweak

Each program can be fully customized to give you creative control over three different key modulation parameters as well as three “lo-fi” effects, allowing you to shape each program to taste.

- Shape: Choose sine, triangle, or square LFO wave shapes to modulate your signal.
- Division: Controls the tap division used by the M1 to set the LFO speed when tapping a tempo. Choose between quarter, eighth, and quarter note triplet.
- Type: Selects one of three different types for each program on the M1.

Input/Output

The M1 offers multiple input and output configurations.

- Mono In / Mono Out
- Mono In / Stereo Out
- Stereo In / Stereo Out

Momentary Functions

Press and hold the TAP/SKIP to momentarily engage a “skipping” effect like a needle skipping on a record player. Press and hold to engage the effect, which automatically repeats the last few milliseconds of audio until the switch is released.

Specs

- The M1 comes in a dark blue finish with red, orange, cream, gold, green, purple and blue ink.
- The enclosure’s exact size with knobs is 12.5 x 6.4 x 6.7 cm. Power requirements are 9VDC (300mA minimum).
- The use of an isolated power supply is recommended for powering all Walrus Audio Pedals. Daisy chain power supplies are not recommended. Power supply not included.
- USB firmware updates can be done via www.walrusaudio.io