



# MONUMENTAL

## HARMONIC STEREO TREMOLO



The Monumental Harmonic Stereo Tremolo is an analog, optical tremolo inspired by the beautifully jagged, red-sand desert landscape of Monument Valley. The Monumental is capable of blending between harmonic and standard tremolo in stereo to produce rich, luscious, warm pulsating modulation producing valleys as smooth or as jagged as the real ones that our dear mother nature created long ago.

\*Only use a 9 volt DC, Center Negative, 100mA to power the pedal.

The use of an isolated power supply is recommended for powering all Walrus Audio Pedals. Daisy chain power supplies are not recommended.

Got questions or need a repair?

Email [help@walrusaudio.com](mailto:help@walrusaudio.com) to talk with a real live human about your Walrus gear!

This product comes with a limited lifetime warranty.

[Click Here](#) for more info.

## CONTROLS

**VOL:** Use to adjust the overall volume of the left and right channels. Counterclockwise is less volume, clockwise is maximum volume. You are able to achieve +10dB of clean gain at maximum volume.

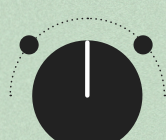
**SHAPE:** Use to change the waveshape of the LFO.

Sine  Square  Saw  Ramp  Bump  Random 

**PAN:** Control the stereo spread of the left and right channels. Counterclockwise is your standard tremolo sound, the left and right channels have the same LFO. Turning the control clockwise will offset the phase of the right LFO to introduce stereo spread. Fully clockwise is maximum panning with the right channel LFO being 180 degrees out of phase from the Left LFO.



0% PANNED



50% PANNED



100% PANNED





# CONTROLS

**RATE:** Finely adjust the speed of the LFO (TAP LED will always indicate the rate). Counterclockwise for slower speeds, clockwise for faster speeds.

**DEPTH:** Control the intensity of the tremolo effect. Fully Counterclockwise will give you no tremolo effect, clockwise will give you the maximum tremolo effect.

**S-B-H:** Use this control to blend between standard and harmonic tremolo modes.

In **Standard**, all frequencies get affected at the same time.

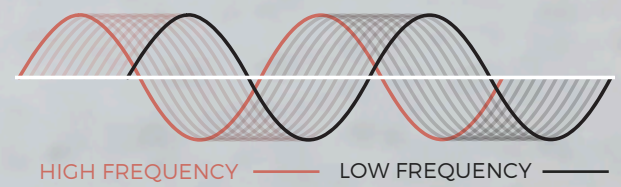
In **Harmonic**, the High frequencies and Low frequencies are offset from each other - When high is on, low is off. When high is on, low is off. When high is off, low is on.

Pro Tip: Experiment with the S-B-H knob in combination with the Pan knob to create interesting polyrhythmic sounds.

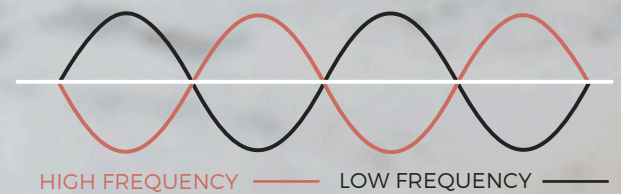
STANDARD MODE  
(S-B-H knob fully counterclockwise)



BLENDED  
(S-B-H knob begins to separate low & high frequencies)








HARMONIC MODE  
(S-B-H knob fully clockwise)



**TAP DIVISION BUTTON:** Use this control to determine the subdivision of the LFO based on the current rate, which can be set via the RATE control or the TAP TEMPO. Tap division is always active.

Available divisions are:

Quarter Note  Quarter Note Triplet  Eighth Note   
Eighth Note Triplet  Sixteenth Note 



**BYPASS:** Press this control once to bypass or activate the effect. Hold down the Bypass switch when the pedal is active to edit the expression parameters (See Expression).

**TAP/RAMP:** Tap this switch to set the rate of the LFO. Your taps are averaged for more accurate timing, so more taps = more accurate timing. Tap the switch once to reset the starting point of the LFO. Holding down the tap tempo switch will engage the "ramp" feature. While holding down the switch you can adjust the rate knob to determine where the LFO ramps to. If you set the ramp speed slower than your current tempo, it will ramp down, then back up to your set tempo upon release. If you set your ramp speed higher than your current tempo, then it will ramp up, then back down to your current tempo upon release. This can be saved per preset and will also work in live mode.





**PRESETS:** The Monumental has three onboard presets with an additional live mode. Each preset can save and recall every parameter available on the pedal. Press both the Bypass Switch and Tap Tempo Switch simultaneously to cycle through the available presets (Red, Green, Blue, and White “live”).

When you are on a preset and you change a parameter, the bypass LED will change color to purple, indicating a change has been made. You can then turn the control and the bypass LED will return to the preset color when the control is at the saved position. Once you have determined what sound you want saved for the preset, hold down both footswitches to save the preset (the bypass LED will return to the preset color).

Live mode will always return to the current knob positions on the face of the pedal.



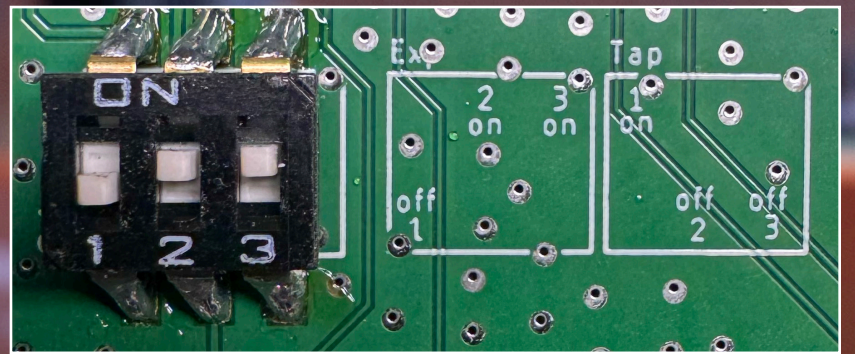
**PRESET RESET:** Hold both stomp switches while applying power to the pedal for longer than 10 seconds. After 10 or more seconds, release both stomp switches and the pedal will be reset to factory default settings.





**Input/Output:** The pedal can operate in multiple configurations. Mono In/Mono Out, Mono In/Stereo Out, Stereo In, Stereo Out. In order to take full advantage of the stereo feature set, it is recommended to run the pedal in Mono In/Stereo Out or Stereo In/Stereo Out.

**TAP/EXP:** This input jack can allow you to connect an external tap tempo control or an expression pedal. Operation of this jack is determined via an internal dip switch. Access by removing the pedal's backplate. For an external tap tempo you will need to use a 1/4" TS Cable with a normally-open switch. For an Expression Pedal, you will need to use a 1/4" TRS Cable.



For Expression, move switch 1 down and 2 and 3 up. For tap, move switch 1 up and 2 and 3 down.

**NOTE:** Remove power from the pedal before plugging/un-plugging from the external tap/exp jack.

## EXPRESSION

With an external expression pedal connected to the pedal, you can have full control over every parameter on the pedal.

To assign a control(s) to the expression pedal, when the pedal is active, hold down the bypass switch, you are now in expression edit mode. While holding down the bypass switch, you can turn any control (or press the tap division switch) and it will be assigned to expression. Multiple parameters can be assigned at one time.

**RESET EXPRESSION CONTROLS:** While in expression edit mode, press the tap tempo switch one time in order to return to the default expression controls. (If you press the tap tempo switch once, and do not choose a different parameter to control, the pedal will default to control RATE via the expression pedal).

**NOTE:** Each expression pedal is different, so the available range of control may differ from expression pedal to expression pedal.





# SPECS

## POWER REQUIREMENTS:

- 9VDC or 12VDC, 100mA, Center Negative

## SIGNAL SPECS:

- 1.7Vpp of Headroom (Use 12V Supply for 2.6Vpp of Headroom) - Before signal will start to distort.
- Input Impedance: ~1M
- Output Impedance: ~300Ohm
- Unbalanced 1/4" Input (TS), Unbalanced 1/4" Output (TS)
- Noise Level: -102.5dBu
- THD %: 0.072% -20dBu @ 1kHz
- True-Bypass
- Frequency Response: 40Hz-20kHz

