You are about to experience the Meraki. Cozy up and immerse yourself in true stereo analog delay with eight MN3005 chips to create warm, rich repeats capable of 1200ms of delay time with parallel, ping-pong and series delay modes. Independently control the delay times and modulation of the left and right channels to create syncopated repeats or keep them locked in to the same timing for classic delay sounds.

Only use a 9 volt DC, Center Negative, 500mA 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 to talk with a real human about your Walrus gear!

This product comes with a limited lifetime warranty.
Click Here for more info.

CONTROLS

Mix: Adjust the overall level of the repeats in both the left and right channels. Full Wet/Dry Mix; 50/50 is around 2 O'Clock. Note: This control adjusts the left and right simultaneously.

Feedback Left: Adjust the amount of repeats in the left channel, from a single repeat to full oscillation.

Feedback Right: Adjust the amount of repeats in the right channel, from a single repeat to full oscillation.

Mod (Mod Rate): Use to adjust the depth of modulation in the repeats, creating a chorus/vibrato effect.

Hold the Bypass switch and use the Mod knob to adjust the mod rate.

CONTROLS

Time: Use to adjust the delay time. Clockwise for longer delay times, counter-clockwise for shorter delay times. From 80-1200ms. Use 1/8th division for the shortest delay time.

Tone: Use the Tone control to adjust a Tilt EQ in the delay lines. Clockwise will cut the lows and boost the highs, and counter-clockwise will cut the highs and boost the lows.

Tap Division Left Switch (Mod Wave Shape): Choose between quarter note, dotted eighth, and eighth note repeats in the left channel.

Hold the Bypass switch and use the DIV L switch to choose between Sine, Square, and Random wave shapes.

Tap Division Right Switch (Mod Phase): Choose between quarter note, dotted eighth, and eighth note repeats in the right channel.

Hold the Bypass switch and use the DIV R switch to choose between 0-90-180 out of phase. 0 is in phase, for classic mod sounds, and 180 is out of phase for a wide mod sound with the left rising while the right falls.

CONTROLS

Feedback Mode Switch: Choose between Parallel, Ping-Pong, and Series delay lines.

Parallel: Left and Right feedback paths are independent of each other. Left repeats feedback into the left input. Right repeats feedback into the right input.

Ping-Pong: The Left repeats feedback into the right input, and the right repeats feedback to the left input; the repeats bounce from one side to the other.

Series: The Left repeats feedback into the Left channel and is sent to the input of the Right delay line as well. The right repeats, with the addition of the left repeats feedback into the right input. Use this mode to create interesting syncopated delay rhythms.

Sync/Left/Right Switch: Use to select which side of the pedal you want to adjust. Sync is both left and right, L is Left only, and R is right only.

This is where the magic of the pedal can happen. You can have fully independent time, divisions, and mod depth/rate/shapes. With mismatched timings, try setting the feedback JUST before it oscillates, then play with the divisions to create interesting pad-like sounds.

Tip: Use MIDI to get *really* creative with how you adjust timings to create an instrument out of this pedal.

CONTROLS

Bypass Switch: Use to turn the pedal on/off. Hold to access secondary controls as mentioned above.

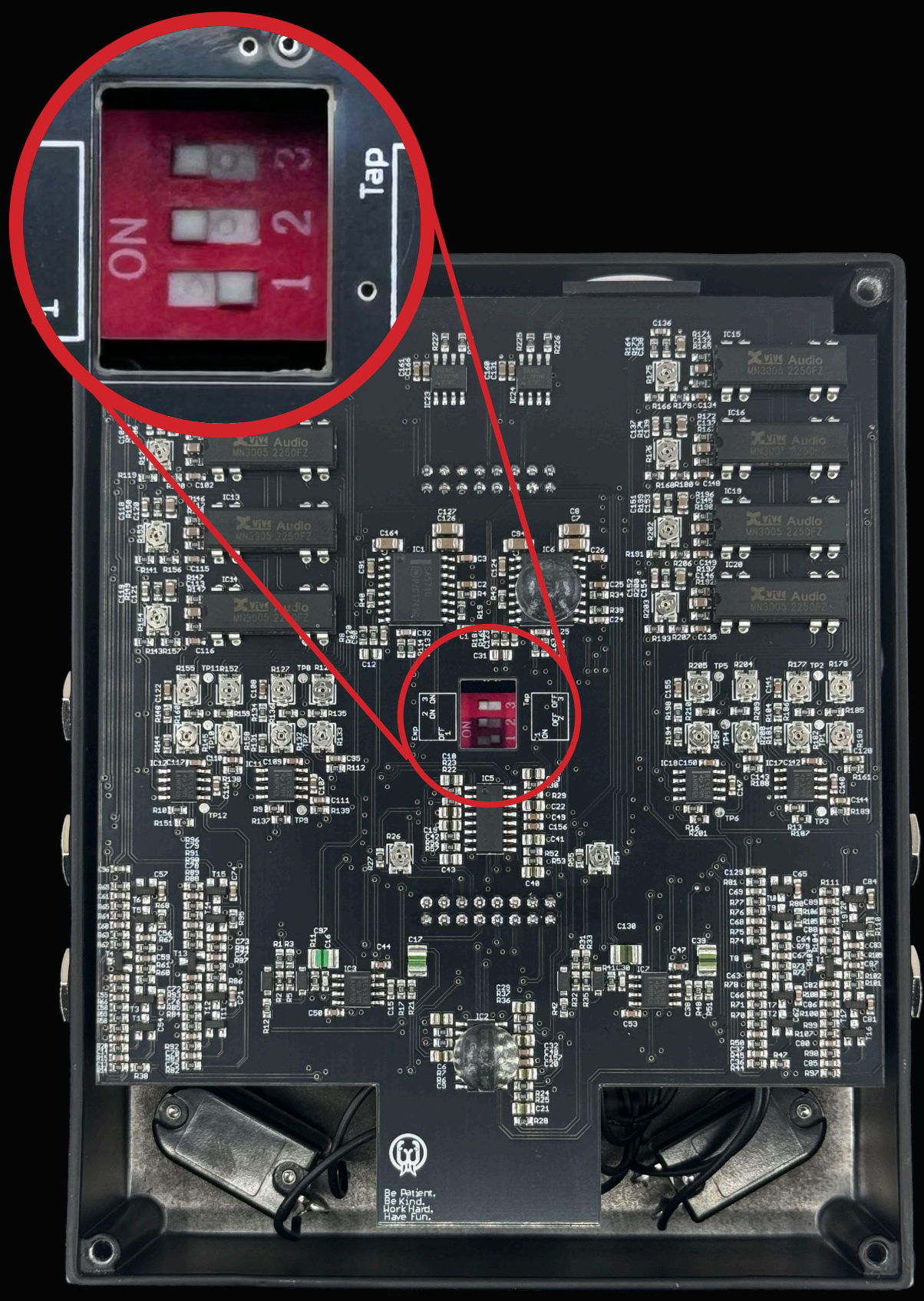
> **Bypass Modes:** Buffered Bypass for Trails (Default) or True Bypass Relay (No-Trails). Hold Bypass while plugging in the power connector to change modes.

Tap Tempo Switch: Use to set the delay time. Hold to maximize the feedback (Oscillation) in the left and right channels. Release to set back to levels on the Feedback knobs.

External Tap/Expression: Use to control the tap tempo or use an expression pedal to control the time or modulation depth controls. Remove the back plate to access the internal dip switches to change between external tap or expression.

> **Time/Modulation selection:** When the pedal is engaged, hold down both stomp switches. While still holding down the switches, move either the Time or Mod knob to assign which control is adjusted via expression pedal. More expression assignment options are available via MIDI.

Dip Switch Settings:
Tap - 1 ON, 2 OFF, 3 OFF
Expression - 1 OFF, 2 ON, 3 ON



FEEDBACK CONTROL

Feedback Control: Use these internal trim pots to adjust how quickly the delay repeats go into self-oscillation. In other words, this changes how quickly your pedal takes off into space and makes the crazy "wherp wherp" noises while pressing and holding the TAP/OSC switch.

Turn the trim pots clockwise to slow down how quickly the pedal oscillates or turn counter-clockwise to speed up how quickly the pedal will oscillate. Note that there are two trim pots. One for the left channel and one for the right.

MIDI

MIDI In/MIDI Thru: Connect MIDI cable to control the digital parameters of this pedal.

Change MIDI channel: Before applying power, hold down both stomp switches and then apply power. The LEDs will start to flash. While still holding down the switches, send a MIDI message assigned to the channel that you want the pedal to be on and then the pedal will enter normal operation and you can release the switches.

CONTROL	CC NUMBER	VALUE RANGE	SETTING
Division L	27	0-42; 43-85; 86-127	.1/8; 1/8; 1/4
Division R	28	0-42; 43-85; 86-127	.1/8; 1/8; 1/4
Sync	26	0-42; 43-85; 86-127	L; R; S
Feedback Path	31	0-42; 43-85; 86-127	P-P; S; P
Time	14	0-127	
Mod Depth	22	0-127	
Time R	15	0-127	
Mod Depth R	23	0-127	
Mod Rate	24	0-127	
Mod Rate R	25	0-127	
Mod Shape L	102	0-42; 43-85; 86-127	Square; Random; Sine
Mod Shape R	103	0-42; 43-85; 86-127	Square; Random; Sine
Mod Phase	104	0-42; 43-85; 86-127	180; 90; 0
Bypass	29	Off 0, On 127	
Feedback Ramp	85	Off 0, On 127	
Clock Bypass	89	Off 0, On 127	
Tap Tempo	30	127	
Expression Destination	86	Time 0-21; Mod 22-42; Time R 43-63; Mod R 64-85; Mod Rate 86-106; Mod Rate R 107-127	
Bypass Mode	87	Trails 0, No Trails 127	

TECHNICAL INFO

Frequency Response: 60Hz To 20kHz
Noise Floor: -94dBu (Dry), -86dBu (Wet)
Input Impedance: ~1M Ohms
Output Impedance: ~100 Ohms
Power Requirement: 9VDC, 500mA
Bypass options:

- True bypass (no trails)
- Buffered bypass (trails)

Size Including Stomp/Jacks:
Height: 2.35" / 59.69mm
Width: 4.98" / 126.49mm
Depth: 5.86" / 148.84mm