

General Operation

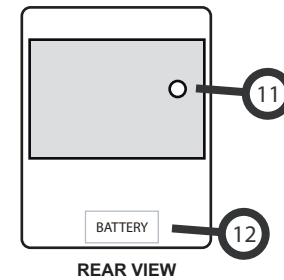
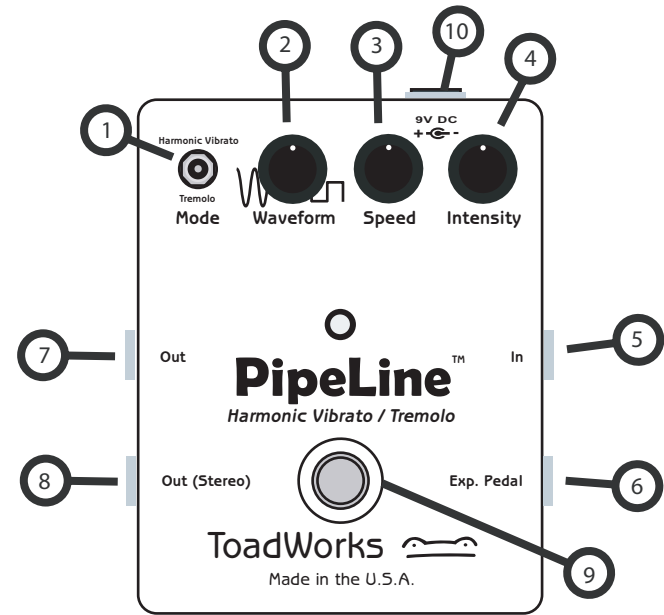
ToadWorks PipeLine is vintage-style tremolo pedal, capable of reproducing the 'Harmonic Vibrato' effect found on the original brown-face Fender amplifiers. This unit functions in both Stereo or Monophonic modes, and the speed can be controlled via an expression pedal.

- 1 Mode**
Switches between standard Tremolo mode and the 'Harmonic Vibrato' mode.
- 2 Waveform**
Adjusts the shape of the LFO wave. Turning the knob clockwise will variably change the waveform from sinusoidal to square.
- 3 Speed**
Controls the rate of the LFO. Turning the knob clockwise will increase the rate.
- 4 Intensity**
Controls the depth of the effect. Turning the knob clockwise will increase the amount of effect present in the signal.
- 5 In**
The input jack is clearly labeled on the right side of the pedal. It is designed for use with 1/4" phone plugs only.
- 6 Exp. Pedal**
The Expression Pedal jack is clearly labeled on the right side of the pedal. It is designed for use with the Line6 EX1 expression pedal. Inserting the expression pedal plug into this jack will disable the Speed control, and the expression pedal becomes the rate controller.
- 7 Out**
The Primary Output jack is clearly labeled on the left side of the pedal. It is designed for use with 1/4" phone plugs only.
- 8 Out (Stereo)**
The Stereo Output jack is clearly labeled on the left side of the pedal. It is designed for use with 1/4" phone plugs only. Inserting a 1/4" plug into this jack will split the signal, causing the effect to alternate between the two output jacks.
- 9 On/Off Switch**
The on/off switch is located directly on top of the pedal, and is used to turn the effect on and off (Note: PipeLine is wired for "True Bypass." This means that when the switch is in the "off" position, the original signal is routed around the effect circuit, resulting in no signal loss or coloration).
- 10 Power Supply Jack**
PipeLine is equipped with a 2.1mm barrel jack for use with a tip-negative 9 Volt DC REGULATED power adapter (Note: Many 9V power adapters are grossly out of spec, and the actual voltage can range anywhere from 7.5 Volts to 16 Volts. Voltages of 11V and above will affect the operation of the pedal and can damage the components. To avoid damage and/or incorrect operation, use only the highest quality power adapters). ToadWorks recommends the 1-Spot 9VDC adapter.
- 11 Frequency Adjustment**
When using the effect in Harmonic Vibrato mode, the tremolo effect is replaced by a pair of alternating high and low-pass filters. The low-pass filter cut-off frequency can be adjusted via the trim pot, located on the PCB. Access to the trim pot is gained by removing the lid.
- 12 9V Clip**
PipeLine uses a standard 9V alkaline battery. We recommend Duracell part # MX1604.

PipeLine is an extremely complex and sensitive circuit, and requires an optimal power supply at all times. If no battery is installed, consider placing a piece of masking tape over the battery clip terminals (this will help protect against a short-circuit).

DO NOT UNDER ANY CIRCUMSTANCES USE AN 18V OR AC ADAPTER!

Forget about "increasing headroom" - if the pedal was intended to be used with 18V, we would say so. Any voltage higher than 11 VDC will DESTROY the op-amps, and we won't fix it for free.



Warranty

We guarantee that your pedal will be free of defects in workmanship for a period of two (2) years from the date of purchase. We also guarantee the continued operation of all components for a period of two (2) years from the date of purchase. Within this two year period ToadWorks will repair or replace at our discretion any pedal that ceases to function properly as a result of faulty workmanship or materials.

This warranty can be voided by any of the following:

- Removal or replacement of any component*
- Prolonged exposure to elements*
- Abuse above and beyond normal wear and tear*
- Application of incorrect power supply*

No pedal shall be repaired or replaced that shows signs of abuse and/or modification. All requests for warranty service must be accompanied by documented proof of purchase. This warranty is non-transferable. As of January 1, 2006, units purchased from US domestic dealers and shipped to Europe, Asia, South America and Australia are not eligible for warranty services.

ToadWorks USA

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