

# Twin Peaks Tremolo V3

drolo



## Connecting and powering:

The power supply needs to be 9V/100ma center negative like the common BOSS power supplies:



Make sure the polarity of your power supply is correct or it will damage the pedal. Do NOT run at higher voltages. Since the pedal has a digital microprocessor operating with high frequencies, you might hear some high pitched noise if you use it together on the same power supply with other pedals (daisy chained) even when it is off. The noise can bleed through the power supply into the other pedal's signal. This is normal for such devices. It might not be the case in your particular setup but if you notice that, I would suggest using an isolated power supply for the tremolo.

## Controls:



**ON** : Turn on the effect or bypass it.

**TAP**: Tap in the desired tempo

### Tremolo Type

- **Classic** : Bass and treble modulated in phase
- **Harmonic** : Bass and treble modulated out of phase
- **Bass Only** : Bass modulation only, with fix treble
- **Treble Only** :Treble modulation only, with fix bass

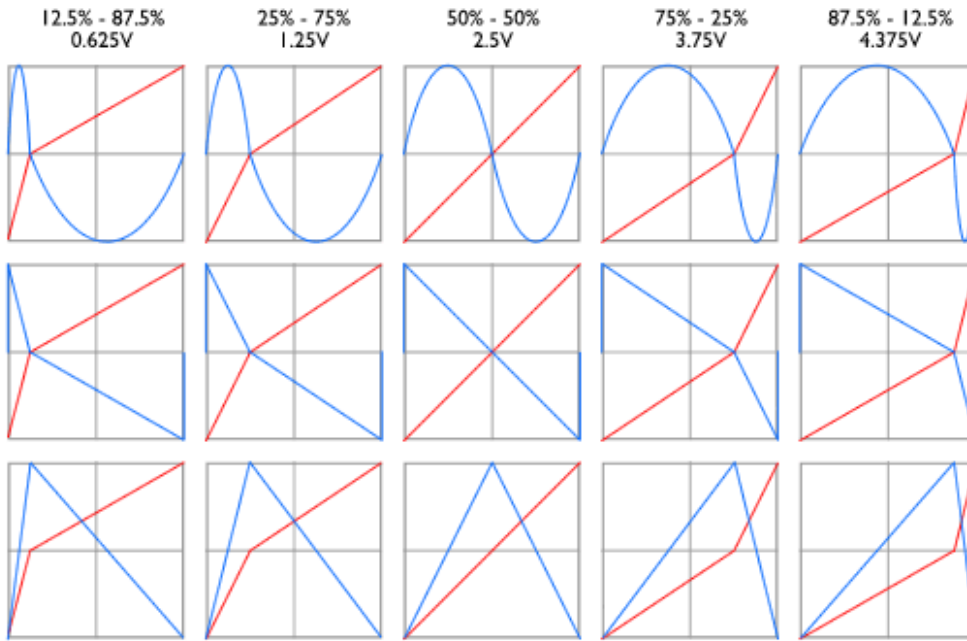
**Tone** : adjusts the balance between the bass and treble portions. Turn it fully CCW and only the bass comes out. Turn it fully CW and you get only treble. In the middle you get both. If you turn down the depth completely you can use the tone knob as a sort of EQ

**Depth**: Allows setting the depth of the modulation

**Rate**: Sets the speed of the modulation

**Symmetry:** Allows changing the ratio between the upper and lower wave of the LFO signal. For example, when using the square wave, you can set whether the “off” or the “on” periods are the longest.

This diagram shows the effect of the symmetry pot on some wave shapes:



Source: <http://www.electricdruid.net/datasheets/TAPLFO2Datasheet.pdf>

**Shape:** This knob allows selecting one of the 8 available modulation wave shapes:



Source: <http://www.electricdruid.net/datasheets/TAPLFO2Datasheet.pdf>

**Multiplier:** allows to select the multiplier that will be applied to the tapped tempo

Multiplier	Musical symbol	Note name
0.5		1/2 note, minim
1		1/4 note, crotchet
1.5		Triplet 1/4 note, triplet crotchet
2		1/8 <sup>th</sup> note, quaver
3		Triplet 1/8 <sup>th</sup> note, triplet quaver
4		1/16 <sup>th</sup> note, semiquaver

Source: <http://www.electricdruid.net/datasheets/TAPLFO2Datasheet.pdf>

## Biasing:

The pedal was biased to provide the best possible sweep and no volume difference between bypass and effect. You may want to adjust the overall volume to suit your needs though.

It can be done with this internal trimmer:



Please do not touch any of the other trimmers. There is no benefit to be had from that as they were set up with a careful bias process. You might make your pedal stop working correctly. So promise, only touch the trimmer marked in the red square ;-)

## Notes about the pedal:

As with any tremolo pedal, if you are after choppy on/off action, you will get better results placing it after dirt pedals. That is mainly for the classic tremolo mode.

Given the filtering nature of the harmonic mode, you might find that it sounds more natural before dirt.

The bass and treble only modes might be perceived as being slightly louder than the other modes. You can compensate that with the tone knob.

But all that is just a matter of taste and you should experiment and find out what works best for you.

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