

peterson

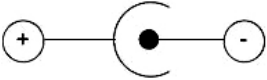
VS-S *StroboStomp*™

Virtual Strobe Pedal Tuner - Owners Manual

Congratulations on your purchase of the Peterson StroboStomp. Please take the time to read through this manual and use the tuner/DI as directed.

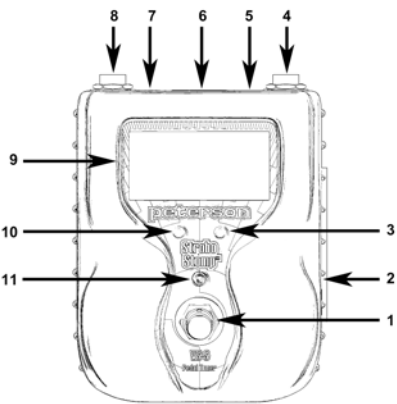
Power

Your new StroboStomp pedal tuner is powered by a 9V battery. To change or access the battery, remove the snap-off battery cover and carefully remove the battery clip. For best results always use a Duracell battery. Using a 9VDC Adapter connected to the StroboStomp's DC Input jack, you can power additional pedals from its DC Output jack (please observe the correct polarity and output capacity of your adapter):



WARNING: USING A WALL TRANSFORMER WITH THE INCORRECT POLARITY OR VOLTAGE MAY CAUSE PERMANENT DAMAGE TO THE TUNER!!

Functions



1. Tuner On/Off Stomp Switch
2. Battery Compartment
3. SELECT Button
4. Signal Input
5. 9VDC Power Input
6. Active DI Signal Output (balanced XLR)
7. DC Power Output
8. Signal Output
9. Strobe Screen
10. MENU Button
11. LED Status Indicator (ON = Tuner Unmuted)

Setting up the StroboStomp

The Peterson StroboStomp can be set up in two ways by means of a mechanical dip-switch located in the battery compartment behind the battery.

Position 1 –

100% True Bypass Operation

In this position, the instrument signal flows through the tuner circuits only when muted by the stomp switch to enable silent tuning. When the tuner is bypassed or unmuted, both the input and the output are physically disconnected from the tuner circuit and the tuner is switched off. An LED is lit to indicate the status of the tuner. This allows the instrument signal to flow freely from input to output without any physical or electronic contact with the tuner's internal circuits. The StroboStomp is the first commercially available tuner to offer this feature.

Position 2 –

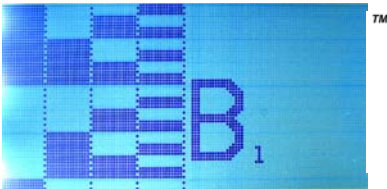
Tuner Monitoring + DI Output

In this position, the tuner and DI are active at all times but can both be muted to enable silent tuning. When unmuted, the tuner remains on and can still monitor the tuning. An LED is lit to indicate the status of the tuner. The built-in Active DI produces a balanced signal at the XLR socket in addition to the regular unbalanced signal at the 1/4" jack socket output. This feature is suited to Acoustic Guitarists and Electric and Acoustic Bassists, enabling simultaneous connection to an acoustic combo/bass amplifier and/or mixing console/recorder. Electric guitar players can "tap" the DI signal using an XLR to 1/4" adapter to power a second amp, or record a dry signal for later processing. A Ground Lift switch is provided for the elimination of possible ground loops. Your Peterson StroboStomp is shipped in this mode.

Getting Started

For normal operation, the tuner can be used out of the box; no special adjustment is needed to use with anything from a 7 string bass to a guitar. After installing the battery, simply activate the StroboStomp by inserting a guitar cable into the input jack of the tuner, then connect the tuner output jack to the input of an amplifier. Use the Stomp Footswitch (1) to mute the instrument's signal and proceed to tune. When finished, use the stomp switch to return to playing.

Factory Default Settings



Your StroboStomp Pedal Tuner was shipped with the following factory default settings:

True Bypass	OFF
DI (Balanced Line Out)	ON
Concert Pitch	A=440Hz
Preset Temperament	EQU (Equal Temperament)
Drop-Tune/Capo Tune	0 (OFF)

Changing the Concert Pitch Reference

Press the MENU button; the following screen appears:



To adjust the Concert Pitch to a value other than A=440.0Hz, press the SELECT button until the desired value is displayed. The StroboStomp can be calibrated from A=433Hz to A=447Hz in 0.5Hz increments.

(NOTE: If you wish to exit the EDIT menus at any time, simply unplug the tuner before navigating to the "SAVE" page - the previous values will apply.)

If you wish to save any new values, press the MENU button repeatedly to get to the "SAVE" page:



Press the SELECT button twice to save it as a power-up default. The sequence looks like this:

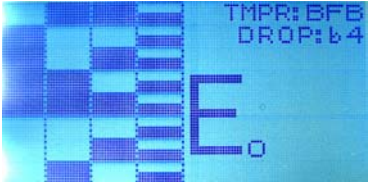


Press SELECT button to confirm.....



Your settings have now been saved as the power-up default.

In the case above, the temperament has been changed to Buzz Feiten Bass and a Drop Tune setting of four half steps (semitones) flat.



The StroboStomp always displays the changes you have made, to avoid confusion .
(NOTE: If your friends should borrow your StroboStomp, always let them know about any special adjustments you have made)

Drop Tuning

Press the MENU button twice, the following screen appears:



Use the SELECT button to choose a setting. The available settings are:

- 0= No Drop/No Capo
- +1 = Capo on the first fret
- +2 = Capo on the second fret
- +3 = Capo on the third fret
- +4 = Capo on the fourth fret
- +5 = Capo on the fifth fret
- b4 = Drop Tune four half steps (semitones)
- b3 = Drop Tune three half steps
- b2 = Drop Tune two half steps
- b1 = Drop Tune one half step

Press the MENU button twice and the SELECT button twice to save it as a power-up default.

User Programmable Temperaments

Two user-programmable temperaments called P-1 and P-2 are included.

Choosing a Temperament Preset

Press the MENU button 3 times; this screen appears:



Use the SELECT button to choose a tuning offset. The choices are:

EQU: Normal Chromatic tuning suitable for regular or alternate tunings
GTR: Peterson Exclusive Sweetened tuning for guitar. Suitable for EADGBE or one half step flat.
BAS: Peterson Exclusive Sweetened tuning for bass guitar when playing with acoustic piano.

12- ↓ : Peterson Exclusive Sweetened tuning for 12 String guitars; this preset is for the 6 standard strings.

12- ↑ : Peterson Exclusive Sweetened tuning for 12 String guitars; this preset is for the 6 higher octave strings.

BFE: Optimized Peterson settings for Electric Guitars equipped with the Buzz Feiten Tuning System®.

BFA: Optimized Peterson settings for Acoustic Guitars equipped with the Buzz Feiten Tuning System®.

BFB: Optimized Peterson settings for Electric Bass Guitars equipped with the Buzz Feiten Tuning System®.

BFT ↓ : Optimized Peterson settings for 12 String Guitars equipped with the Buzz Feiten Tuning System®. This preset is for the 6 standard strings.

BFT ↑ : Optimized Peterson settings for 12 String Guitars equipped with the Buzz Feiten Tuning System®. This preset is for the 6 octave strings.

When you have chosen a setting, press the left button once and the right button twice to save it as a default.

*Buzz Feiten Tuning System® is a registered trademark of Buzz Feiten Design.

Programming Your Own Temperament

Press and hold the MENU button while you plug a guitar cord into the input jack (3). The StroboStomp is now in Program Mode:



Using the SELECT button, choose either P-1 or P-2 as a basis for your new tuning offsets. Press the MENU button to confirm your choice and to begin programming.



Use the SELECT button to tap in the cent value. (NOTE: Like all modern Peterson tuners, increments are in 0.1 cent). Press to scroll at speed.

There are two E values included for users who wish to vary the offset value of both low and high E strings. E displayed with an upward arrow refers to high E.



After all the required offsets have been entered, press the MENU button (SAVE MENU):



Press the SELECT button twice to save the new preset.



Toggle Feature

In tuning mode, pressing the SELECT button once will activate a second temperament.

The following temperaments are toggled together:

EQU toggled with EQU
GTR toggled with EQU
BAS toggled with EQU

12- ↓ toggled with 12- ↑
BFE toggled with EQU
BFA toggled with EQU
BFB toggled with EQU
BFT ↓ toggled with BFT ↑
P-1 toggled with P-2

Active DI

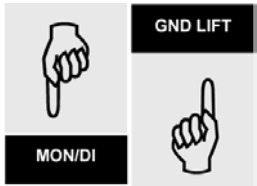
The Peterson StroboStomp features a built-in active DI. The DI runs on power supplied by the battery/power supply and does not accept phantom power from an external source.



To activate the DI, disconnect the tuner and remove the battery compartment cover and battery. Using your index finger, move both dip switches to the DOWN position. Connect a shielded XLR cable between the Active DI output and the device to be connected (recording/PA console). The StroboStomp is shipped with the DI activated.



In this position the balanced XLR DI output and the unbalanced 1/4" jack output are both muted by pressing the stomp switch. The tuner will also track notes at all times and is no longer "True Bypass". To lift the DI ground, disconnect the tuner from audio equipment and move the dip switch on the right to the UP position. Reconnect the tuner.



NOTE: The DI works only when the StroboStomp is in MON/DI operation. Disconnect XLR cable from DI output when the tuner is switched to True Bypass operation.

Technical Specifications

Size: 5" x 3.875" x 2.25"
Weight: 1lb. including battery
Power: 9VDC 80mA (Nominal), chainable
Accuracy: 0.1 cent (1/1000th of one semitone)
Calibration: A=433Hz to A=447Hz
Temperaments: 6 preset – 2 user-programmable
Input: 1/4" jack
Outputs: 1/4" jack (unbalanced), XLR (balanced)
Tuning Range: 8Hz to 1975Hz

Warranty

We warrant this product to be free of defects in materials or workmanship for a period of THREE years after delivery to the original purchaser. Our obligation under this warranty is limited to the replacement or repair of any part or parts which prove upon our examination to be defective.

This warranty does not apply to damage resulting from transportation, misuse, abuse, or alteration. The complete unit must be returned to our factory, transportation charges prepaid. In order to speed the return of the unit to you, it is recommended that for all repairs, other than those required as a result of shipping damage, you deal directly with our factory. In case of damage in shipment, a claim should be filed with the carrier. Be sure to include a brief description of the difficulty you are experiencing and your return address. The above warranty is contingent upon registration within 10 days of the date of receipt of the product by the original purchaser. The warranty conveys specific legal rights to the purchaser, other rights vary from state to state and internationally.

Register on-line at:
<http://www.petersontuners.com/support/register/index.cfm>

peterson

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™ "StroboStomp", "Virtual Strobe" and the linear & concentric strobe patterns are trademarks of Peterson Electro-Musical Products, Inc. U.S. Patent # 6,580,024

