

# peterson

STROBE TUNERS

*The Sound of Precision.*

## STOMP CLASSIC™

STROBOTUNER

Model VSS-C



### Owners Manual

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

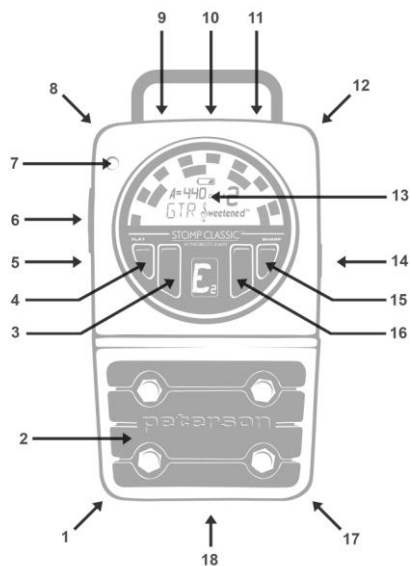
### Power

Your new Stomp Classic pedal tuner is powered by a 9V battery. To change or access the battery, open the battery door by pushing the latch (18) and carefully remove the battery. For best results always use a high quality Alkaline battery. A battery indicator icon appears when power is getting low. Alternately, use a regulated 9VDC adapter connected to the Stomp Classic's DC Input jack. Please observe the correct polarity and output capacity of your adapter, if unsure, contact us:



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

### Functions



1. Pedalboard Lug
2. Mute Switch & Battery Compartment
3. Parameter - Button
4. Menu Button
5. Signal Output Socket
6. USB Input Socket
7. Mute Lamp
8. Pedalboard Lug
9. Active DI Attenuation Selector
10. Active DI XLR Output Socket
11. True Bypass/DI Selector Switch
12. Pedalboard Lug
13. Strobe Screen
14. Signal Input Socket
15. Program Button
16. Parameter + Button
17. Pedalboard Lug
18. Battery Release Latch

### Setting up the Stomp Classic

The Peterson Stomp Classic can be set up in three ways by means of a three position switch to the left of the XLR jack socket.

#### Mode 1 –

MON -  
TB -  
DI -



#### 100% True Bypass

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. This allows the instrument signal to flow freely from input to output without any physical or electronic contact with the tuner's internal circuits.

#### Mode 2 –

MON -  
TB -  
DI -



#### Tuner Monitor

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 screen remains on and can still monitor the tuning. 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.

#### Mode 3 –

MON -  
TB -  
DI -



#### Active DI

In this position, the Classic Stomp is transformed into a muteable DI with the tuner screen becoming active only when the pedal is muted. Your Peterson Stomp Classic is shipped in this default 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 10 string bass to an electric mandolin. After installing the battery, simply activate the Stomp Classic 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 (2) to mute the instrument's signal and proceed to tune.

The display will scroll counter-clockwise to indicate a flat note and clockwise to indicate a sharp note. When finished, use the stomp switch to return to playing.

### Reading the Virtual Strobe Display

Your new Stomp Classic pedal tuner's display features two strobe bands. Underneath the Strobe Screen, the note name is displayed as a large letter along with the octave from which it is derived which is displayed as a number, E2,A2,D3,G3,B3,E4 for guitar and B0, E1, A1,D2,G2 for bass.

To tune, carefully adjust the tuning peg of your instrument until the display is immobile or "caged". If the note you are tuning is too sharp, the bars will drift to the right, if flat they will move to the left..

### Factory Default Settings



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

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

### Strobe Newbie?

If you are new to strobe tuners, you will notice that they are much more sensitive and accurate than your previous tuner. You'll need to adjust your "touch" when you pluck a string to tune. Initially, instead of a plectrum, use your finger or thumb to gently pluck the string or simply reduce the volume of your instrument, until you become accustomed to tuning accurately.

### Customizing your Classic Stomp

Using the Stomp Classic's editor software at [www.StroboStompClassic.com](http://www.StroboStompClassic.com) you can customize the features of the tuner to your liking and update its firmware via its USB port.

### What is a Sweetener™?

Unlike other tuners which offer no alternative to Equal Temperament, Peterson Tuners contain many choices of "Sweetness", in other words, several degrees of harmony or consonance. The Sweetener feature is exclusive to Peterson Tuners.

### Choosing a Preset Sweetener

Press the M (Menu) button until the Sweetener logo flashes on and off.



Use the plus (+) and minus (-) buttons to choose a Sweetener.



The choices are:

**EQU:** Standard Non-Sweetened tuning suitable for regular or alternate tunings  
**GTR:** Peterson Exclusive Sweetened™ tuning for guitar. Suitable for EADGBE  
**ACU:** Peterson Exclusive Sweetened tuning for acoustic guitar in standard tuning.  
**DAD:** Peterson Exclusive Sweetened tuning for acoustic guitar in modal DADGAD tuning  
**G12:** Peterson Exclusive Sweetened tuning for 12 String guitars.  
**BRT:** Peterson Exclusive Sweetened tuning for Baritone guitar.  
**7ST:** Peterson Exclusive Sweetened tuning for 7 String guitars.  
**BAS:** Peterson Exclusive Sweetened tuning for bass guitar when playing with piano.  
**BFE:** Optimized Peterson settings for Electric Guitars equipped with the Buzz Feiten Tuning System®.  
**BFB:** Optimized Peterson settings for Electric Bass Guitars equipped with the Buzz Feiten Tuning System®.  
**BFA:** Optimized Peterson settings for Acoustic Guitars equipped with the Buzz Feiten Tuning System®.  
**BF12:** Optimized Peterson settings for 12 String Guitars equipped with the Buzz Feiten Tuning System®.  
**SE9:** Optimized Peterson settings for E9 tuning on pedal steel guitar (Sharp E's)  
**SC6:** Optimized Peterson settings for C6 tuning on pedal steel guitar  
**OE9:** Optimized Peterson settings for E9 tuning on pedal steel guitar (E's at 00.0 cents)  
**U12:** Optimized Peterson settings for Universal tuning on 12 string pedal steel guitar  
**LA6:** A6 settings for Lap Steel.

**LC6:** C6 settings for Lap Steel  
**DBO:** Pure Major 3rds for open A, D and G tunings for Dobro®\*\* & slide guitar  
**DBH:** Half-Tempered major 3rds for Open A, D and G tunings for Dobro® & slide guitar  
**VLN:** Perfect 5ths for 4 and 5 String electric violin.  
**BJO:** Sweetened tuning for Electric Banjo  
**MAN:** Sweetened tuning for Electric Mandolin.  
**BSn:** Bass notes are displayed as string numbers, supports 4 & 5 string basses in standard tuning BEADG=54321  
**GTn:** Guitar notes are displayed as string numbers, supports 5,6 & 7 string guitars in standard tuning BEADGBE = 7654321

\*Buzz Feiten Tuning System™ is a registered trademark of Buzz Feiten Design.  
\*\*Dobro is a registered trademark of Gibson Guitar Corp.

### Drop Tuning (Transposed Tuning)

Press the M (Menu) button until the Drop/Capo Tuning parameter flashes on and off.



Use the plus (+) or minus (-) buttons to choose a drop...



...or capo setting.



The available settings are:

0= No Drop/No Capo  
-1 to -6 = One to six half steps down  
+1 to +5 = One to five half steps up

### Changing Concert Pitch Reference

Press the MENU button until the Concert A parameter flashes on and off.



To adjust the Concert Pitch to a value other than A=440Hz, press the arrow buttons until the desired value is displayed.





The Stomp Classic can be calibrated from A=390Hz to A=490Hz in 1Hz increments.



### Factory Default Reset

To clear all user settings and return to the factory default values, press and hold down the P button for 3 seconds



The word, def, will show briefly after which the tuner returns to factory default.



### Presets

It is possible to store up to 9 preset combinations of Sweetener, Hz value and Drop value, which can be later recalled by pressing the P button.

### Creating Presets

Pressing and holding the plus (+) button for 2.0 seconds adds the current altered settings (all 3, even if only one is altered) to a "Preset List" as long as a matching preset is not already on the list.



### Deleting Presets

Pressing and holding the minus (-) button for 2.0 seconds removes the current settings (only if a preset matching your current screen settings exists in the preset list.)



### Recalling Presets

To recall or view the presets one by one press the P button repeatedly.



### String Number Display

The StroboStomp Classic can display string numbers instead of note names if so desired. Selecting Sweetener GTn will cause the tuner to display numbers 1,2,3,4,5,6,7 for notes E, B, G, D, A, E and B for 5, 6 and 7-string guitars while selecting BSn will cause the tuner to display the numbers 1,2,3,4,5 and 6 for the notes C, G, D, A, E and B for 4, 5 and 6 string basses.

### Programmable Sweeteners

Custom multi-octave Sweeteners can be designed on your computer and up to 100 can be downloaded into your Stomp Classic via its USB port.



To do this, download the free Classic Stomp Editor to your computer at: [www.StroboStompClassic.com](http://www.StroboStompClassic.com)

### Active DI

The Peterson Stomp Classic features a built-in active DI. Besides running on a 9V battery or a 9VDC power adapter, the DI will also run on Phantom power from an external source (mixing console etc.) if present. To activate the DI, adjust the three position mode switch to MON/DI or Active DI. Connect a shielded XLR cable between the Active DI XLR output socket and the device to be connected (recording/PA console). The Stomp Classic 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 is no longer "True Bypass" when the DI is active. The DI also features a Ground Lift switch for the eliminating of possible ground loops (hum).



To lift the DI signal ground, disconnect the tuner from audio equipment and slide the switch from GND to LIFT position. Reconnect the tuner.

The Stomp Classic's active DI also features a signal attenuation pad for matching an instrument signal's output to the internal DI input. For high output level signals from the

instrument (e.g. active bass guitar), adjust the attenuation switch from 0dB to -10dB or -20dB depending on signal strength. If the instrument's output level is high, setting the attenuation switch too high will result in distortion from the DI output.

**NOTE:** The Classic's active DI works only when selected using the three position mode switch. Disconnect XLR cable from DI output when the tuner is switched to True Bypass operation.

### Mounting the Stomp Classic on a Pedalboard

The Stomp Classic comes with its own mounting hardware, which is strong, neat, secure and much more effective than the usual fastening methods. Each corner of the Stomp Classic's base features a metal lug which, when rotated 90° out from the tuner enclosure, can be screwed to the pedalboard floor, providing an unprecedented rock-solid connection.

### The Stomp Classic - Other Uses

Besides being the world's most accurate pedal tuner, the Stomp Classic's active DI offers top signal integrity over long cable runs, ideal for high-end bass guitars, and electro-acoustic instruments.

If you're an electric guitarist, the DI can also be used to connect to a recording device like a mixing console/tape machine or Digital Audio Workstation to record a dry guitar signal while playing through the 1/4" output to your amplifier. Later, you can reamplify the dry signal by sending it through your effects and amp while making tonal adjustments to them in a manner not possible to do while you're playing.

### Using the Stomp Classic as a DI

First, ensure that the Stomp Classic is in MON or DI mode by using the selector switch.

#### Electro-Acoustic Guitar

Connect the Stomp Classic's DI output to your P.A. or live mixing console with a balanced XLR cable. Connect your instrument to the Stomp Classic's input jack.

#### Electric Bass Guitar

Connect the Stomp Classic's DI output to your P.A. or live mixing console with a balanced XLR cable. Connect the Stomp Classic's 1/4" output jack to the input of your bass amp. Connect your instrument to the Stomp Classic's input jack.

### Using the Stomp Classic as an intonation tool

After deciding on string gauge, setting string height (nut & bridge), neck relief—factors that affect the instrument's intonation considerably—the individual string lengths need to be adjusted. For this task, use Equal temperament in the Stomp Classic's Sweetener menu (EQU).

Lower the pickups away from the strings to avoid "doubling" and electromagnetic pull.

Lay the guitar flat on a bench to adjust it, but always check the intonation with the instrument in the playing position, as the readings will be visibly (and later audibly) different. You should always aim to freeze or "cage" the image on the Strobe Tuner display; the less movement the more accurate the results.

Where setting the intonation is concerned, an often-used technique is the 12th fret & flageolet comparison method. In this method, the flageolet or "harmonic" over the 12th fret is compared to the fretted string at the 12th fret, and saddle position is adjusted as follows:

If the fretted note is flat compared to the flageolet note, move the bridge saddle forward to shorten the string.

If the fretted note is sharp compared to the flageolet note, move the bridge saddle back to lengthen the string.

Adjust until both fretted note and flageolet are identical in pitch.

While this is a common system, it is not always the most satisfactory.

One popular alternative is to adjust each string so that it is in tune at two points an octave apart from each other on the fret board using a strobe tuner. Using the 5th and 17th fret as an example:

- Tune a string at the 5th fret.
- Check the string at the 17th.

If sharp, move the saddle back, thus lengthening the string. If flat, shorten the string by moving the saddle forward. Remember to fret the string using the pressure that you would normally apply while playing.

- Keep repeating this process until each string is in tune as much as possible at both the 5th and 17th frets.

This method takes time, and has to be repeated if you change string gauges, but if properly executed, yields very satisfactory results.

Now, before you play music with a lot of 5ths on your guitar (e.g. power chords), tune the instrument using the GTR, BAS, P5TH or G5TH setting, depending on which model of strobe tuner you own, otherwise use the EQU (default) setting to tune your guitar.

The methods above are within anybody's reach, all you need are your ears and your Peterson strobe tuner!

### Technical Specifications

Size:	5.25" x 3.25" x 2.25"
Weight:	1lb. including battery
Power:	9VDC 80mA (Nominal)
Detection Accuracy	0.1 cent (1/10th cent)
Display Resolution	0.1 cent (1/10th cent)
Calibration:	A=390Hz to A=490Hz
Temperaments:	23 preset Sweeteners
Programmability:	Via USB Port
Input:	1/4" jack
Outputs:	1/4" jack (unbalanced) XLR (balanced)
Tuning Range:	8Hz to 8000Hz

### 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.

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/warranty>

Join the Stomp Classic Users Forum at: <http://www.petersontuners.com/forum>

**peterson**

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[www.petersontuners.com](http://www.petersontuners.com)  
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