

peterson

STROBE TUNERS

The Sound of Precision.



STROB⊕PLUS HD™

Peterson Electro-Musical Products, Inc. © 2013

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the manufacturer or an experienced radio/TV technician for help.

Caution

Any changes or modifications not expressly approved by the party responsible for compliance could cause the module to cease to comply with FCC rules part 15, and thus void the user's authority to operate the equipment.

Warranty

We warrant this product to be free of defects in materials or workmanship for a period of one year 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. Be sure to include a brief description of the difficulty you are experiencing and your return address. In case of damage in shipment, a claim should be filed with the carrier.

Many issues can easily be resolved by utilizing the extensive knowledge base and Helpdesk utility on our website at www.PetersonTuners.com/helpdesk .

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: www.PetersonTuners.com/warranty

Introduction

Thank you for purchasing the Peterson SP-1 StrobePlus HD™ tuner. The StrobePlus is configured as a visual and audio tuner as supplied. It is also possible to upgrade this product to add the features of a Peterson BodyBeat Sync® BBS-1 metronome* using its USB connection. When upgrading, you may also purchase a Peterson Vibe Clip™, which allows the metronome to give tactile feedback as well as providing an audible beat. To purchase this upgrade and a Vibe Clip, please go to www.PetersonTuners.com/connect .

*except wireless synchronization of multiple units

Included Items

- 1 StrobePlus HD
- 1 Owner's Manual
- 1 3.7V Lithium Ion Battery
- 1 Micro USB Cable

Power

The StrobePlus™ contains a powerful internal rechargeable lithium-ion battery. Before initial use, this battery will need to be installed and charged fully, using either a USB power adapter or by connecting the StrobePlus to a computer USB port via the USB cable. The StrobePlus can run off of USB power alone. Charging time is approximately 2 hours. To conserve battery life, the StrobePlus will power off after 10 minutes of inactivity if not in use. In addition, the LCD backlight will turn off after 10 seconds of inactivity. If the battery voltage becomes

too low, the StrobePlus will power off to protect its lithium-ion battery. If required, additional rechargeable lithium-ion batteries can be purchased from the Peterson Online Store at www.PetersonTuners.com. In situations where there is no access to a computer, a power adapter plug is also available from the Peterson Online Store.

Tripod mount

The StrobePlus has a standard tripod screw mount on the back so that you can use a variety of connection devices to mount it on an instrument, mic stand or other convenient place. See the Peterson website to purchase a holder appropriate to your needs.

Optional Accessories

Optional accessories for the StrobePlus include the StrobePlus Pitch Holder™ mounting bracket, StrobePlus adapter for StrobeFlip style Pitch Holder, TP-3 Tuning Pickup, additional rechargeable 3.7V Lithium Ion battery and A/C adapter. These items are all available from the Peterson Online Store at www.PetersonTuners.com or from your local Peterson Dealer.

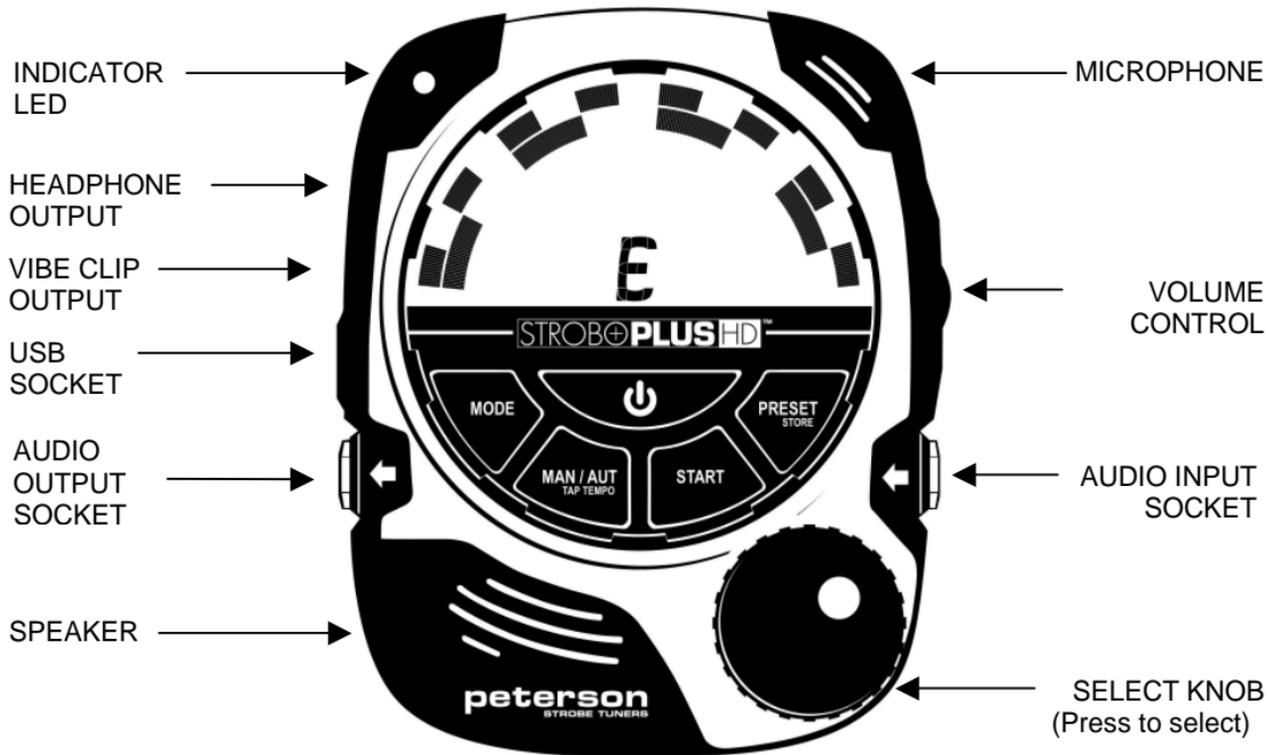
Reading the Strobe Display

Your tuner's display features two concentric strobe bands. Underneath the strobe bands, the note name is displayed as a large letter along with a number indicating the octave from which it is derived. To tune, play a note on your instrument and carefully adjust its tuning until the strobe bands stop moving or are "caged". If the note you are tuning is too sharp, the bands will drift to the right; if flat, they will move to the left.

New to Strobe Tuning?

If you are new to strobe tuners, you'll notice that they are much more sensitive and accurate than your previous tuner. If you are tuning a stringed instrument, you may need to adjust your "touch" when you pluck a string to tune. Initially, instead of a plectrum or pick, 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. In the case of guitars and basses, check your instrument's intonation before tuning, see "Guitar & Bass Intonation Tips" elsewhere in this manual for instructions on how to do this. Owning a Peterson means you can do your own set-up work on your instruments.

Connections



Headphone Output

The internal speaker is disabled and the output is routed to the 3.5 mm jack when a plug is inserted. This output functions also as a line-out for connection to a P.A.

Vibe Clip™ Output

For use with a Vibe Clip (if the tuner is upgraded to tuner/metronome). See metronome instructions for more information.

USB/Power Socket

This socket can be used to power or recharge the StrobePlus internal battery from any standard 5V cell phone-style charger with a micro USB connector or from the USB connection on a computer. The socket is also used to connect via computer to the Peterson website for updating the firmware or uploading custom settings or configurations for the StrobePlus.

Thru/Output Jack ¼"

The input signal is routed to this jack for output to an amplifier or other sound equipment.

Microphone

The built-in microphone picks up the acoustic sound of the instrument to be tuned.

Volume Control

This control adjusts the volume of the audio tones, or metronome if equipped with the metronome feature.

Input Jack ¼"

To tune, plug the instrument's output cable, external microphone, or a Peterson "TP" vibration tuning pickup into this input jack. When this input jack is occupied, the built-in microphone is disabled.

User Interface



How to Turn StrobePlus™ On

Press and hold the power button until your StrobePlus powers on. If the battery is drained, StrobePlus will require a few minutes of charge time before it can be powered on.

How to Turn StrobePlus Off

Press and hold the power button for two seconds.

Mode Select

The mode button selects which mode the StrobePlus™ operates in. Three modes are possible: Strobe Tuner, Audio Tuner, or Metronome (if upgraded). The metronome operation is covered in its own instruction manual which is provided as an electronic download with the purchase of the upgrade. This manual covers the tuner functions only.

How to Edit Parameters/ User Interface

The StrobePlus has a very intuitive interface that makes it easy to quickly change any parameter that you desire. The user-controlled parameters can be selected and edited when the menu is active. The menu is active when an item is blinking on the screen. Adjusting the select knob will affect the blinking item.

There are two basic menu types:

Select Menu

Rotate the select knob to cycle through the available parameters. The selected parameter is indicated by its descriptive icon blinking. Pressing the select knob then enables the *Edit Menu* for the selected parameter.

Edit Menu

Once you are in the *Edit Menu*, the parameter value to be changed will blink. Rotating the select knob while in the edit menu changes the value of the blinking parameter. After you finish changing that value, press the select knob or simply wait a few seconds for the screen to return to normal operation.

From the home screen (nothing blinking), rotating the select knob activates the *Select Menu* starting with the last selected parameter.

From the home screen (nothing blinking), pressing the select knob activates the *Edit Menu* for the last selected parameter.

After a few seconds of no user inputs to either the *Select Menu* or the *Edit Menu*, the menu will automatically time out and the screen will return to normal use operation. To force the menu to time out and exit immediately, press and release the power button from any menu.

Advanced User Controls

Locking the Active Edit Menu

To prevent the time-out and automatic closing of the Edit Menu, first activate the Edit Menu. Then, press and hold the select knob for two seconds. The screen will return to normal, however, the selected parameter will continue to blink and the select knob can be used to edit that parameter indefinitely for on-the-fly adjustments. The automatic menu time-out will be disabled. To exit the locked Edit Menu, press the select knob and the screen will return to normal.

Locking a parameter in the Edit Menu can be handy when you desire to edit that parameter over a period of time. For example, if you want to measure the cents offset of an input signal, locking the cents parameter in the Edit Menu will allow for continued adjustments without the Edit Menu timing out.

Selectable Parameters

Transpose/Drop/Capo - choice of 12 (factory default is 0 or C). This control is used to help players of non-C instruments such as saxophone (Eb), French horn (F) and trumpet (Bb) to transpose notes when reading from C notation. It is also used for stringed instruments to allow simple drop tuning or capo tuning without having to transpose the notes in your head.

Concert A Reference Pitch- Range: 390Hz to 490Hz, adjustable in 0.1Hz increments.

Cents – Range of +/- 50 cents in 0.1 cent increments. This control adjusts the target that the tuner tunes to by very fine increments of 1/10 of one cent. This is valuable if you want to determine how far out of tune a particular instrument is or if you want to chart the tuning of a particular instrument. To determine the exact pitch, play a note, then rotate the select knob while the cents value is flashing until the strobe image appears to be immobile. The cents value on the display will show the offset of the note played.

Manual Note Select – Default settings are auto note select in strobe tune mode and manual note select in audio tune mode. Press the man/auto button to change this setting.

Presets

Creating a New Preset

When your tuner displays a combination of Sweetener, Hz and Transpose values that you wish to save as a preset, press and hold the preset/store button until the word “Preset”, a number, and the word ADD or SAV (“save”) appear. If other presets have already been saved and you wish to create an additional one, turn the encoder knob until the word “ADD” instead of “SAV” is shown. This will also display a preset number that has not already been used. Press the preset/ store button again to confirm. The display will briefly show a circular animation to indicate that your StrobePlus is saving your preset.

Overwriting an Existing Preset

To store the displayed combination of Sweetener, Hz and Transpose values by overwriting the values already assigned to a particular preset number, press and hold the preset/store button for two seconds. Rotate the encoder knob until the preset number you wish to edit is displayed, along with the abbreviated word “SAV”. Press the preset/ store button momentarily. A circular animation indicates that your values are saved to that preset number.

Deleting an Existing Preset

To delete a preset that was previously created, momentarily press the preset/ store button. Rotate the encoder knob to display the preset number that you wish to delete, then press and hold the encoder knob for a few seconds. The abbreviated word “DEL” will appear for a few seconds as you continue to hold the knob. When “DEL” disappears, your preset will have been deleted and all higher-numbered preset combinations shifted to a lower preset number accordingly.

Recalling a Preset for Use

To use a combination of Sweetener, Hz and Transpose values that was previously saved as a preset on your StrobePlus, momentarily press the preset/ store button. Turn the encoder knob to display the preset number you wish to recall. A moment after you stop turning the encoder knob, the display will change from the preset number to the values associated with that preset. To begin using those values, simply wait a few seconds without turning or pressing the encoder knob, or to immediately accept the displayed values momentarily press the power button once. Presets can also be created on a computer for downloading by visiting www.PetersonTuners.com/connect.

Audio Tuner Mode

Your StrobePlus™ has a built-in speaker and a headphone audio output for use as an audio tone generator. To use this feature, press the mode button once or twice until only the far right and far left sides of the strobe pattern are shown. The manual note select mode is automatically activated to let you choose your desired note and octave. In order to begin hearing the tone or stop the tone output, press the start button.

Note: It is possible to select both the note and the octave from the edit menu when in manual note select mode.

All other settings, such as Transpose, Concert A and Sweeteners™/Temperaments are also selectable for your audio tuner from the edit menu.

The speaker is disabled when a plug is inserted into the headphone output.

The tone/voice that is heard can be selected by editing the voice selection.

Configuration Menu

This menu is used to reset your StrobePlus to factory default settings and to determine the firmware and hardware version. To enter the configuration menu press the power button and the mode button at the same time.

The first setting to show will be **C**, indicating the configuration currently loaded.

FDR= Factory Default Reset

USR= User configured. This indicates that there has been a user configuration created on the PetersonConnect™ site and loaded to the device. To return to the factory default, select FDR with the selector knob and press in. If only dashes "-- -- --" are shown there is no user configuration on your tuner.

Rotating the selector knob will next show **F** and the firmware that is currently installed in your tuner. There will be three numbers displayed; combined they indicate the installed firmware version.

H indicates the hardware version of the tuner.

To exit this menu, press the mode button.



This web portal allows you to create presets from your favorite settings, determine which Sweeteners and temperaments will show on your tuner and save and trade custom Sweetener™ settings. Your settings will be able to be loaded onto any Peterson tuner which has a USB port. When you register your tuner, all settings will be stored both at this portal and on your device. When you connect the tuner via the USB cable to a computer connected to the web, the PetersonConnect site will determine if there are any firmware updates or configuration changes that need to be loaded. Visit www.PetersonTuners.com/connect .

Upgrading Your StrobePlus™ to include Peterson BodyBeat® Metronome Functions

It is possible to upgrade the operating system of your StrobePlus tuner so that it additionally has the features of the Peterson BBS-1 BodyBeat Sync® metronome*.

You can also purchase a Vibe Clip™ to enable the tactile metronome feature.

Please note: The StrobePlus does not have any wireless receiving or transmitting features. Only the Peterson BodyBeat Sync™ metronome has wireless capability.

To upgrade your StrobePlus tuner and add the metronome features, visit: www.PetersonTuners.com/connect . Register your StrobePlus and click on the “Purchase BodyBeat Upgrade” button.

*except the wireless synchronization feature

Sweeteners & Temperaments

What is a Sweetener™?

Unlike other tuners, which offer no alternatives to equal temperament, Peterson tuners contain many choices of “sweetness” (degrees of harmony or consonance). The Sweetener feature is exclusive to Peterson tuners. This setting also includes popular and historic alternate temperaments. Sweeteners and temperaments apply to both the strobe tuner and the audio tuner. To tune without this feature, select EQU from the Sweetener menu.

EQU: Standard tuning temperament suitable for regular or alternate tunings, 100 cent intervals - no “Sweetening”.

6, 7 & 12 STRING GUITAR

GTR: Peterson Exclusive Sweetened™ tuning for guitar, especially good for guitars with three saddle bridges and short-scale electric guitars.

ACU: Peterson Sweetened tuning for acoustic guitar in standard tuning. Compensates for string deflection.

DAD: Peterson Sweetened tuning for acoustic guitar in modal DADGAD tuning with optimized fifths.

12S: Peterson Sweetened tuning for 12 String guitars with regard to the string courses.

BRT: Peterson Sweetened tuning for baritone guitars.

7ST: Peterson Sweetened tuning for seven string guitars.

BASS GUITAR

BAS: Peterson Sweetened tuning for bass guitar when playing with acoustic piano.

INSTRUMENTS FITTED WITH THE BUZZ FEITEN TUNING SYSTEM

BFE: Tuning and intonation offsets for electric guitars equipped with the Buzz Feiten Tuning System®*.

BFB: Tuning and intonation offsets for electric bass guitars equipped with the Buzz Feiten Tuning System®.

BFA: Tuning offsets for acoustic guitars equipped with the Buzz Feiten Tuning System®. For Buzz Feiten acoustic guitar intonation work, a Peterson AutoStrobe 490 is recommended.

BF12 Tuning offsets for 12 string guitars equipped with the Buzz Feiten Tuning System®.

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

PEDAL STEEL GUITAR

- SE9** Peterson E9 Pedal Steel Sweetener 1 SE9
- SP9** Peterson E9 Pedal and Lever Offsets for SE9
- SC6** Peterson C6 Pedal Steel Sweetener
- SP6** Peterson Pedal & Lever Offsets for SC6
- OE9** Peterson E9 Pedal Steel Sweetener OE9
- OP9** Peterson Pedal & Lever for OE9
- EM9** Peterson Emmons Style E9 Pedal Steel Sweetener
- EP9** Peterson Emmons Style E9 Pedals & Levers
- EM6** Peterson Emmons C6 Pedal Steel Sweetener
- EP6** Peterson Emmons C6 Pedals & Levers
- U12** Peterson Universal Pedal Steel Sweetener
- P12** Peterson Pedal & Lever for Universal Pedal Steel

LAP STEEL GUITAR

- LA6:** A6 settings for lap steel guitar.
- LC6:** C6 settings for lap steel guitar.

DOBRO/RESONATOR GUITAR

- DBO**:** Pure tuning for open A, D and G tunings for Dobro®/Resonator guitars.
- DBH:** Half-tempered tuning for open A, D and G tunings for Dobro/Resonator guitars.

UKULELE

- UKE:** Ukulele, string deflection offsets.

STRINGS

- VLN:** Perfect 5ths for 4 and 5 string violin.
- VLA:** Perfect 5ths for viola.
- CLO:** Perfect 5ths for cello.

**Dobro is a registered trademark of Gibson Guitar Corp.

BANJO

BJO: Sweetened tuning for 5 string banjo, improves the major third B string

TBO Sweetened tuning for 4 string tenor banjo

MANDOLIN FAMILY

MAN: Sweetened tuning for mandolin, mandola & mandocello, string deflection offsets.

LUTE & VIOLA DA GAMBA

LUT: Lute & Viols (17 tone 1/6th Comma Meantone with all enharmonic notes).

BRASS & WOODWIND

HRN: Brass & Woodwind, Just Intonation – perfect fifth, fourth major and minor third intervals for every key

SITAR & OUD

SIT: Sitar (pure intervals). Just Intonation in the key of C and C#, to tune in C#, use a Transpose value of +1

ODU: Oud (pure intervals).

BAGPIPES

GHB: Great Highland Bagpipes. Traditional tempered scale for chanter & drones with an A root.

UIL: Uilleann Pipes - pure intervals with a D root.

ARABIC TEMPERAMENTS

RAS: Optimized Peterson settings for Maqam Rast traditional Arabic temperament.

SUZ: Optimized Peterson settings for Maqam Suznak traditional Arabic temperament.

NAI: Optimized Peterson settings for Maqam Nairuz traditional Arabic temperament.

AFRICAN TEMPERAMENTS

AFP African Pentatonic (GABDF)

INDONESIAN TEMPERAMENTS

SDO Slendro for Indonesian Gamelan Tuning in altered C#, D#, F#, A#, B

PLG Pelog for Indonesian Gamelan Tuning in altered D#, E, F#, G#, A#, B, C

TUNING BY STRING NUMBERS

GTn Displays string numbers instead of note names for 6 & 7 string guitars (7654321 instead of BEADGBE)

BSn Displays string numbers instead of note names for 4 and 5 string bass guitars 54321 instead of BEADG)

HARP

HP1 Peterson Pedal Harp Stretch Sweetener

HP2 Peterson Lever Harp Stretch Sweetener

HP3 Peterson Costanzi Harp Stretch Sweetener

MALLET INSTRUMENTS

MBA Peterson Marimba Stretch Sweetener

VIB Peterson Xylophone Stretch Sweetener

ELECTRIC & ACOUSTIC PIANO

RHO Rhodes Electric Piano Stretch

SMG Acoustic Grand Piano (SMGD). Stretched tuning for acoustic grand piano

UPR Acoustic Upright Piano (UPRT). Stretched tuning for acoustic upright piano

HARMONICA

This collection of harmonica tunings comes from Hohner

OMB Original Marine Band Tuning for Harmonica in C

MMB Modern Marine Band Tuning for Harmonica in C

MSR MS Richter Tuning for Harmonica in C

S20 1896 Marine Band/Special 20 Tuning for Harmonica in C

MSM MS Models Tuning for Harmonica in C

CYT Country Tuning for Harmonica in C

NMT Natural Minor Tuning for Harmonica in C

HMT Harmonic Minor Tuning for Harmonica in C

GMT Golden Melody Tuning for Harmonica in C

CHT Chromatics Tuning for Harmonica

ACCORDION

This collection of accordion tunings includes wet, medium and dry musettes (+20/0/-20,+10/0/-10 & +5/0/-5) and a Sweetened Cajun tuning.

AW+ Accordion Tuning "Wet" Sharp

AW0 Accordion Tuning "Wet" Zero

AW- Accordion Tuning "Wet" Flat

AM+ Accordion Tuning "Medium" Sharp

AM0 Accordion Tuning "Medium" Zero

AM- Accordion Tuning "Medium" Flat

AD+ Accordion Tuning "Dry" Sharp

AD0 Accordion Tuning "Dry" Zero

AD- Accordion Tuning "Dry" Flat

CAJ Accordion Tuning Cajun in C – optimized thirds & fifths

HISTORIC TEMPERAMENTS

JMI Just Major Intonation

JME Just Minor Intonation

PYT Pythagorean Temperament

4MT Quarter Comma Meantone Temperament

6MT One Sixth Comma Meantone Temperament

KRN Kirnberger III Temperament

WK3 Werckmeister III Temperament

YNG Young Temperament

KLN Kellner Temperament

VAL Vallotti Temperament

RAM Rameau Temperament

ORG Organ in Standard Equal Temperament

GUITAR & BASS TUNING TIPS:

If you use a tuning which is not listed as a Sweetener, use EQU. Tune *up* to pitch, never down. Use fresh strings.

GUITAR & BASS INTONATION TIPS

After deciding on string gauge, setting string height (nut & bridge) and neck relief—factors that affect the instrument's intonation considerably—the individual string lengths need to be adjusted. For this task, use equal temperament (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" of 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!

PEDAL STEEL TUNING TIPS:

If required, multiple pitches of the same note in the same or different octaves within a single Sweetener can be programmed using the StrobePlus Editor on www.PetersonTuners.com/connect. A bracket for mounting the StrobePlus on a steel guitar is available from www.PetersonTuners.com. Owners of the Peterson StrobeFlip can use the StrobeFlip mounting bracket with the addition of a universal joint available also from the Peterson online store.

HARMONICA TUNING TIPS:

The included settings are the official Hohner values for their range of harmonicas. To apply a Sweetener to a harmonica in a key other than C, use the transpose feature.

ACCORDION TUNING TIPS:

The included settings are general values for a number of musette styles. General good practice is to avoid all unnecessary structural damage to the reed when tuning, remove material in a straight line along the length of the reed. To apply a Sweetener to an accordion in a key other than C, use the transpose feature.

HARP TUNING TIPS:

Be careful to maintain an even tension on the harp's frame when tuning, this is especially important when the instrument has been detuned due to transport etc. Starting with the longest string, tune each note in all octaves before moving to the next note. Finally, check and retune any strings which may have been affected by the changing tension of other strings while tuning.

MARIMBA/XYLOPHONE

The presets for marimba and xylophone are intended for monitoring the instrument's condition, for correct bar retuning and regulation, consult the instrument's manufacturer.

PIANO TUNING TIPS

Do not attempt without having basic tuning skills and technique. Learn the correct use of mutes and a tuning hammer before attempting to tune your piano, if in doubt, consult a qualified piano technician. For electric pianos, use the EQU setting if a stretch tuning is not desired.

MORE INFO

For specific information on using the StrobePlus for your particular tuning or application contact:
info@PetersonTuners.com

Technical Specifications

Manufacturer: Peterson Electro- Musical Products, Inc.

Phone/Fax +1-708-388-3311 / +1-708-388-3341

Website: www.PetersonTuners.com

E-Mail: info@PetersonTuners.com

Accuracy: 0.1 Cent or within 1/1000th of one semitone (1/10th of one cent) over the entire range

Range: 16Hz to 8 KHz Sensitivity: + 1mV to 5V

Power: Rechargeable battery (included) or USB adapter

Temperaments/Sweeteners: 90

Concert A range: 390Hz to 490Hz (adjustable in 0.1Hz increments)

Features: Exclusive Virtual Strobe Technology - Real-Time Operation

Weight: 0.66 lbs. / 0.29 kg.

Dimensions: 5.25" x 4.25" x 1.5" / 133mm x 108mm x 38mm



StrobePlus™, StrobeFlip™, BodyBeat Sync™, "Virtual Strobe" and "Sweetener" are trademarks of Peterson Electro-Musical Products, Inc. - U.S. Patent # 6,580,024

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