



PLANET WAVES™
MUSIC UTILITY COMPANY™

NS Mini Headstock Tuner Instructions

Congratulations on your purchase of the Planet Waves NS Mini Headstock Tuner. The NS Mini Tuner precisely tunes guitars, basses and other stringed instruments while its low-profile design blends with the aesthetics of your instrument, concealing it from your audience. Utilizing a highly sensitive piezo transducer, the vibrations of the instrument are read directly by the tuner without the need of a microphone or electronic connection. The piezo design allows you to tune easily and accurately in noisy environments without interference from extraneous sound sources that can cause other tuners to fail in these situations. The bright, two-color backlit display allows you to tune in any lighting situation from well lit studios to dark stages and everywhere in between. Please take time to read the instructions to become more familiar with the Planet Waves NS Mini Headstock Tuner.

BATTERY

The tuner comes complete with a CR2032 battery. To insert the battery, turn the tuner over so that the battery door faces up. Loosen and remove the battery door using a coin or similar object. Place the battery in the battery compartment with the "+" side facing up. Replace battery cover by aligning the two small dots on the battery door and tuner body. Turn the battery door clockwise to the locked position.

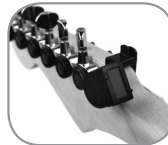
TUNER CONTROLS

Power Button: Powers the tuner on and off. After power-up, the tuner will automatically shut off after a period of time to preserve battery life.

Frequency Button: Pressing the frequency button repeatedly will scroll you through the different calibration points from 430Hz-450Hz. Pressing and holding the frequency button will switch the tuner logic from displaying all the notes in sharps to flats. Pressing and holding again will change the tuner logic back to sharps.

OPERATION

- Press the tuner's release lever to open the tuner's ratchet clamp.
- Place the tuner on the back of the headstock behind the nut. This can be accomplished by mounting the tuner via the top or underside of the headstock (see photos below). Experiment with both to see what works better for your particular instrument.



- Squeeze the ratchet clamp until it is fully tightened onto the headstock.
- Rotate tuner body for best possible viewing angle of the display.
- Press the power button to turn the tuner on. Upon power-up, the tuner will display the calibration setting, after which the display will scroll until an input signal is detected.



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OPERATION (CONTINUED)

- Play a string to be tuned. At this time the tuner will display the pitch detected and the pitch accuracy utilizing the meter indicators. If the note being tuned is either flat or sharp, the backlit display will be red in color indicating that the note detected is not in tune. Tune the string so that the meter indicators move towards the center of the display (left of center indicates note is flat while right of center indicates note is sharp). The note is in tune when the note being displayed is framed by an indicator on each side and the back light is green. You will notice that the backlight does turn green before the note is perfectly framed. We did this on purpose. If you are in a situation during or between songs where you need to tune rather quickly, you can tune by using the backlight alone as the reference to speed up the process. Simply tune each string until you see the green light and then move on to the next. This will get you roughly in tune until you can fine tune the instrument later.
- Repeat these steps for each string to be tuned.
- The tuner automatically shuts down after a period of time to preserve battery life.
- To remove the tuner, simply press down the release tab while opening the ratchet clamp.

CALIBRATION

The NS Mini Headstock Tuner defaults to the industry standard A440 tuning frequency. In

order to calibrate the tuner to another frequency, simply press the frequency button on the bottom side of the tuner display. With each press of the button the reference pitch will change in 1Hz increments. Continue to press the frequency button until the desired setting is displayed on screen. The tuner will now display and tune to the selected frequency. Note: when the tuner is set to A440, the calibration setting will only be displayed upon power-up.

TIPS FOR TUNING

- Pluck the string with a light to moderate stroke. Strings will usually go slightly sharp right after the initial attack. Excessive or heavy plucking of the string will increase this effect. Give the string a moment to “settle” before tuning.
- Pluck the string with the flesh of your thumb. This will yield less harmonic information for the tuner to analyze then when using a pick.
- Try clipping the tuner to different locations on the instrument as some areas may resonate greater than others.

OUT OF TUNE (red color)



POWER

FREQUENCY

IN TUNE (green color)



FOR LANGUAGE TRANSLATIONS, VISIT PLANETWAVES.COM

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.