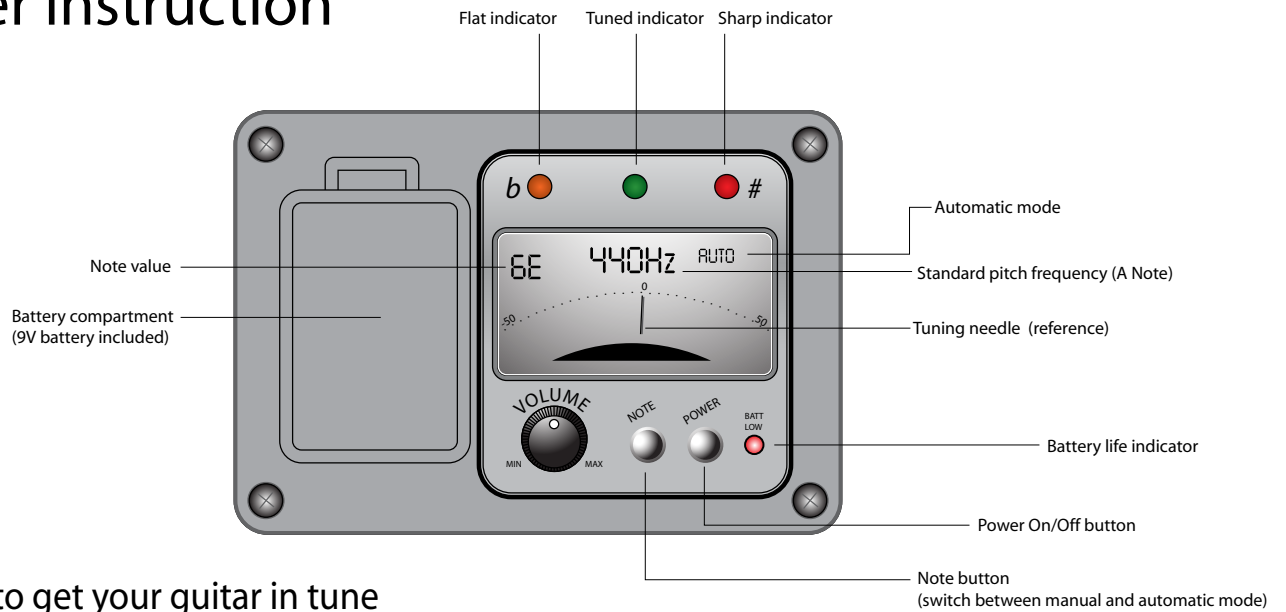


Tuner instruction



1. How to get your guitar in tune

When playing a string, the tuner recognizes its pitch and then using the LED indicators (small red and green lights) and the reference needle, the tuner will indicate if the played string is sharp, in tune or flat.

In manual mode, you can set a note and adjust the string accordingly. In the automating mode, the played note is picked up by the built in microphone and you can adjust it accordingly. You can easily switch between manual and automatic by pressing the Note button. When pressing the Note

Button, the Note will be displayed on the top left ❶. Keep pressing the Note button to go through the according note values.

To tune the string, turn the tuning peg either clockwise or counterclockwise, depending if the pitch is flat or sharp. If you're tuned too low, the flat indicator (symbol "b") will light up and the needle will lean towards the left. As you tune up, the needle will respond by moving closer and closer to the center until the green "tuned" indicator lights up.

If you're tuned too high, the needle will lean to the right and the sharp indicator (symbol: #) will light up. As you tune down, the needle will follow until you're in tune and the green indicator lights up.

2. The display

On the top left ❶, you can see the note value displayed. The number to the left of it, indicates the string number. In this example, the sixth string of the guitar and the E note is displayed. Six pitches are used in the standard tuning of a guitar (E,A,D,G,B,E)

In the middle ❷ is the current pitch (frequency) displayed. The standard value of a Note A4 is 440Hz.

The tuner needle ❸ will indicate if a guitar string is out of tune. The needle will either swing to the left to indicate that the string is too

flat ❹, or it will swing to the right ❺, which means the string is too sharp. When this happens, you want to adjust the string so the needle will eventually hover in the middle ❻ and the green light will light up.

The deviation of a tone with respect to the closest tone in the scale is indicated in Cent.

100 Cent is the distance between a tone and the next. If the tone to be tuned has a deviation of 50 Cent then its pitch is exactly between two tones of the scale. (See display: -50...0...50)

3. The strings

Six pitches are used in the standard tuning of a guitar (1e, 2b, 3g, 4d, 5A, 6E)

