

will indicate a single "b", which corresponds to having a capo on the first fret of your guitar. In this setting, the lowest note on the guitar is an "F" but the Snark will read it as the standard "E", making tuning appear to be standard. If the capo is on the second fret, hit the "b" button twice, and the display will show "bb". Additional pushes of the "b" button will give you up to four flats, corresponding to putting the capo on the fourth fret.

To return to standard tuning, continue to press the "b" button until the flat symbols disappear from the front of display. Or turn the tuner off and on again to return to standard tuning.

Tap Tempo Metronome

The Snark has a built-in visual metronome which is activated by the "TAP-MET" switch on the side of the tuner. One tap activates the metronome to a default setting of 100 bpm, indicated by the flashing red heart on the front panel display. The tempo can be adjusted in two ways – first by tapping on the "TAP-MET" switch at the desired tempo. The Snark will calculate the tempo between two taps. Or the up / down triangular buttons on the back can also be used to adjust the tempo. To

exit the metronome function, simply press the power switch on the front of the tuner.

Power Save Feature

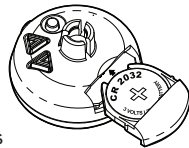
The tuner display will dim after approximately 5 seconds of no sound detected by the tuner. This conserves battery power. The display will return to normal brightness when a note is detected. If no notes are detected for 2 minutes, the tuner will shut off.

Self Test

The Snark tuner occasionally runs a "self test" to make sure all functions are up to snuff. This could happen sometimes when you first turn on the tuner. But not to worry, the self test lasts just a few seconds and will return you to tuning mode when it is finished.

Installing the Battery

The tuner uses 1 CR2032 (3 volt) battery. To install the battery, open the battery drawer, remove the old battery and replace with fresh one, taking care that the positive terminal (+) is directed upwards



when placed in the battery door (plus side toward back side of tuner). Then gently push the battery door closed until you feel a slight "click".

CR2032 BATTERY WARNING KEEP OUT OF REACH OF CHILDREN.

Swallowing battery can lead to serious injury or death. Severe burns can occur within 2 hours or less. If swallowed, see a doctor or visit hospital emergency room immediately. In USA, doctor should phone collect (202) 625-3333. (In Canada: 416-813-5900).

RISK OF FIRE, EXPLOSION OR BURNS.

Dispose of old batteries immediately. Do not recharge, disassemble, install incorrectly, crush, short the battery, or expose to high temperature or fire. Do not carry loose batteries in pocket or purse.

CALIFORNIA ONLY: Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

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This product complies with FCC Part 15 rules. Operation of this product is permitted in USA provided this product does not cause harmful interference and provided this product accepts interference from other devices, even if that interference is detrimental to performance of this product.

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SN-11 Tuner Instructions

**Tunes Guitar, Bass
& All Instruments**



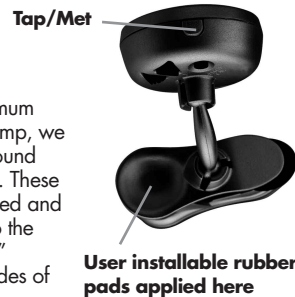
Thank you for purchasing Snark! The SN-11 can be used for all instruments including guitar. This tuner is chromatic, and senses the vibrations of the instrument it is attached to.

SNARK®

SNARK Tuner Features



To provide optimum gripping of the clamp, we have included 2 round black rubber pads. These are adhesive backed and can be attached to the "finger and thumb" detents on the 2 sides of the clamp.



CAUTION: INSTRUMENT FINISHES. READ THIS BEFORE USING THE SNARK TUNER.

The general rule is: Do not leave any item attached to your instrument longer than necessary. We recommend you remove the Snark tuner from your instrument as soon as you finish tuning. Please be aware that any lacquer type finish can be adversely affected by rubber or vinyl if those materials are in contact with the finish for a period of time.

Some finishes are more likely to be damaged by attaching a tuner to them, hence it is important that you DETERMINE WHAT FINISH IS USED ON YOUR INSTRUMENT...BEFORE using the SNARK. SNARK advises NOT to use its tuner with any instruments having these types of finishes: Nitrocellulose Lacquer, Polyurethane, French Polish (scratches easily) unless you are willing to accept the possibility there could be denting of the finish on some instruments.

Attaching the Tuner to Your Instrument

Use the clamp to attach the Snark to your instrument. Take care to avoid damaging the finish of your instrument. Do not attach the tuner to your instrument if any of the rubber pads are broken or missing.

For guitars, attach the clamp to the headstock (placing the body of the tuner either in front of or behind the headstock). For other instruments, find the location that allows best pick up of sound while allowing you to view the display easily.

After attaching the tuner to your instrument, adjust the "banana" shaped arm that connects the tuner to the clamp for optimum viewing of the tuner display. Also, the tuner body rotates 360 degrees so the display can be placed right where you want it.

Power Up & Pitch Calibration

Once you have attached the Snark to your instrument, turn it on by pressing the power switch on the face of the tuner.

The Snark defaults to the tuning reference of A-440Hz. To set the Snark to another tuning reference, push the round "PITCH CAL" button on the back side of the tuner and immediately press either the up or down triangular buttons to choose a new tuning reference. The pitch reference can be set anywhere from 415 - 466Hz. Pressing the power switch on the front of the tuner resets the tuner to A-440.

Tuning

The Snark is now ready to help you tune your instrument. As soon as you play a note, the Snark's color display will indicate the note you are playing and how close to pitch you are. The left side of the display (red) indicates flat, the right of the display (yellow) indicates sharp.

If a red needle is lit, it means the note played is flat. If a yellow needle is lit, it means the note played is sharp.

You are in tune if the green needle (at center of meter) is lit.

If the green needle is lit and the adjacent red or yellow needle flashes just briefly, it means the note is very slightly out of tune. Adjust instrument pitch just a bit to dial in a perfect tune.

As the Snark is chromatic, you can easily deal with non-standard tunings. The Snark will read any note you play.

Transpose Feature

For guitar players using a capo, you can use the Snark's flat tuning feature, engaged by pushing the "b" triangular button on the back of the Snark. Press the "b" triangular button once and the front display