

Using your Meisel COM-90 Gooseneck Clip-On Tuner

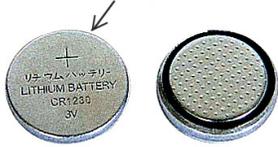
Instructions transcribed, with additions, courtesy of Gollihur Music

Thank you for purchasing a Meisel COM-90. To get the most out of your new tuner, please take a moment to go over these instructions.

Install the Battery: On the back of the unit, slide the battery door (1) off in the direction of the arrow; Install the 2032 coin battery (supplied) with the + side facing up. Be sure that the battery slides under the small metal tab. Replace the battery door.

It is very important that the battery be inserted into your tuner correctly for proper operation.

This Side Up!



1. When inserting the battery into the tuner, please ensure that the POSITIVE (+) side of the battery is facing up (out).

2. As you place the battery into the compartment, take care to “slide” the battery under the curved tab – the tab needs to touch the top (positive) side of the battery. If you put the battery in straight in, that tab can become bent or damaged.

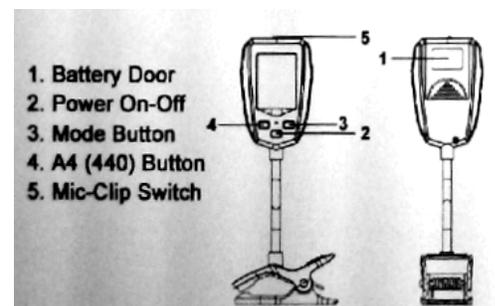


IMPORTANT: If you may have accidentally put the battery in wrong, and now even after correcting the battery placement, the tuner does not seem to work correctly (ex: lights up but does not respond, can't be turned off, weird characters on the display), it's possible that reversed voltage or a short caused a malfunction. The tuner just needs to “reset” itself - simply take the battery out of the tuner, let it sit for at least 30 minutes, then replace the battery (correctly oriented, of course) and the tuner should work perfectly!

Using the Clip: Clip the COM-90 onto your instrument. Check that the Mic/Clip switch (5) is in the Clip position. Adjust the tuner for the best viewing angle. The flexible gooseneck allows you to see the screen when clipped to any instrument. Next, turn the tuner on by pressing the Power button (2) for about 2 seconds – the screen will light up. Press the Mode button (3) to select the instrument that you are tuning; each button press advances to the next instrument type:

- (c) Chromatic – most instruments
- (g) Guitar
- (b) Bass
- (v) Violin
- (u) Ukulele

Play a note. When in tune, the display will show the note and change color from blue to green. When using the clip, only the instrument it's clipped to will be picked up.



Tuning with the built-in mic: Using the clip as a “stand,” place the tuner close to your instrument. Switch the Mic/Clip switch to “mic” and follow the tuning instructions above.

Flat Tuning Mode: Each time the Power button (2) is pressed, the number of flat (b) symbols displayed on the screen will increase. Tuning is normal when no flats are displayed. This is a special mode, allowing you to tune from 1 to 2 semitones lower than the displayed note. To use flat tuning mode, press the power button the number of times necessary to display the number of semitones “flat” you need to tune. Why would someone need this? With a capo installed, you don’t need to remove it when tuning. This may also be used in some orchestral situations, when tuning to other than concert pitch.

Using the A4 (4) Button: This button is used to calibrate the tuner to other than the standard “A=440Hz” pitch standard, or if you want to use alternate scales. For example, if you wish to recalibrate the tuner from standard A=440 to A=438, press the A4 button repeatedly until the display reads 438Hz. To return to A=440, you can turn the unit off and on to reset it, or press the A4 button until the display reads 440Hz.

TROUBLESHOOTING & TIPS:

- If the tuner display is acting “wacky” (after working fine for a while) it probably just needs a fresh battery.
- If the tuner displays weird characters or won’t turn off after you replace the battery, please re-read the complete instructions in the “**Install the Battery**” section above.
- If the tuner tunes to a note that is “wrong” (the tuner says “A” but your instrument is tuning to different notes than your bandmates are tuned to) please re-read the instructions under “**Flat Tuning Mode**” above.
- If the tuner doesn’t properly register the Low E on your upright bass (or other note on your instrument, whatever it is) you may find that you have to relocate the tuner’s position on the instrument. The Clip tuner reads the vibrations of the wood in your stringed instrument, and lower frequencies have very large waveforms that are more difficult to track. With persistence, you should find a spot that works. Once you find an effective spot on your bridge, you might consider making a small, light mark with a pencil so you can easily find it again!
- To tune brass and woodwind instruments, you may find that the “mic” setting is more effective.

Specifications:

- Tuning Range: A0 (27.5Hz) to A3 (1760Hz)
- Calibrated Tuning for: Guitar, Bass, Violin, Ukulele and Chromatic
- Standard Pitch: 410Hz-450Hz
- Tolerance: + 1 cent
- Weight: 1.5 oz.
- Dimensions (Body): 2 1/8” x 1 1/2” x 7/16”
- Battery: 1 x CR2032 3V Coin Type