

Congratulations on purchasing a **Sabine MetroTune MT-8000**. The MetroTune combines everything you need from a metronome and a chromatic tuner.

Metronome features

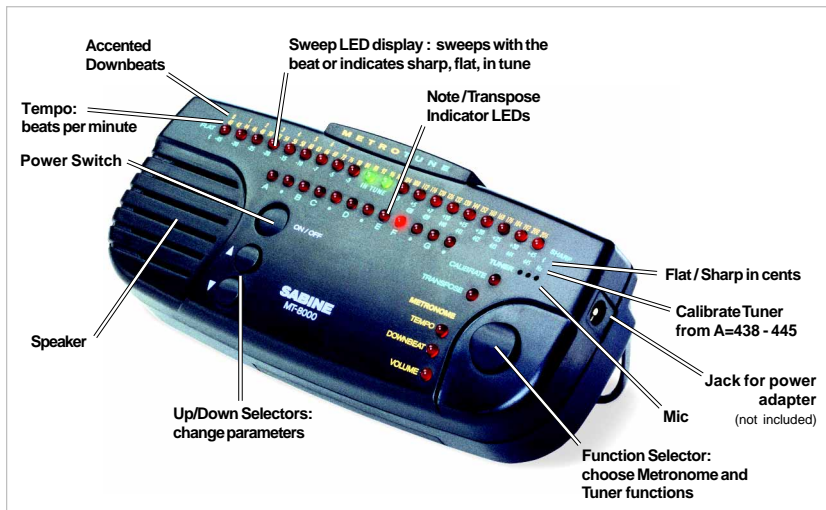
- ◆ Loud, wood-block tone, with volume control — hear the MT-8000 over loud instruments
- ◆ Accented downbeat, 2 to 7 beat phrases — great for practicing difficult parts
- ◆ Set tempo from 40 to 206 beats per minute
- ◆ Sweeping LED display makes it easy to stay on the beat, even with the volume off
- ◆ Adjustable volume control

And you also get these very cool features...

- ◆ Built-in metal stand tilts the unit for table-top viewing or mounts on music stand
- ◆ Settings memory: maintains settings even after powering down
- ◆ Super-bright LEDs for easy viewing
- ◆ Recessed on/off button: won't accidentally turn on in your instrument case
- ◆ Free battery or plug-in 9V power supply (not included)
- ◆ Two-year Warranty

Tuner features

- ◆ Automatic and chromatic — perfect for intonation training
- ◆ Transpose to any key — MT-8000 displays the right note for your instrument
- ◆ Built-in microphone
- ◆ Calibrate from A = 438 to 445 Hz
- ◆ Sweeping LED display acts like a bar graph — clearly shows how sharp or flat you are in cents. Double green LEDs light when you're in tune
- ◆ Advanced Sabine tuning algorithm — works for most string and reed instruments



Buttons & Functions

ON/OFF button: Power on and off.

FUNCTION button: Pressing the FUNCTION button puts the MetroTune into **edit mode**. The MetroTune remembers the previously selected edit mode and will return to that point. While in edit mode, the appropriate **Function LED** will light, as well as the current status LED for that function. Use the **UP/DOWN** buttons to change the parameter, or press the function button again and scroll through all the five editable parameters: **Calibrate**, **Transpose**, **Tempo**, **Downbeat** or **Volume**. After 2-3 seconds of no button action, the unit goes back to either **normal tuner mode** or **normal metronome mode**, depending on which parameter is selected at the end of edit mode (**Normal mode** means you are using either the tuner or the metronome for their main purpose). **NOTE:** the **UP/DOWN** buttons do nothing in normal mode. The flashing of the green in-tune LEDs indicates normal tuner mode — once per second for the default A = 440 Hz/Key of C, and twice for all other tuner parameter settings. Normal metronome mode is indicated by the sweeping metronome LEDs, moving at whatever tempo was selected in **Tempo edit mode**, and the wood-block sound, set at whatever volume was selected in **Volume edit mode**. **NOTE:** You must press the FUNCTION button each time you wish to alter metronome or tuner settings.

UP/DOWN buttons: Each click increases/decreases the value one step at a time until the maximum/minimum value is reached.

Specifications

Dimensions: W = 5.9", D = 2.5", H = 1.1" (14.9 x 6.4 x 2.8 centimeters)
 Weight: 6 oz. (170.1 grams)
 Range: 12-Note Full Range Chromatic
 Accuracy: ± one cent (uses quartz crystal)
 Battery: 9 Volt standard or alkaline
 Tempo Range: From 40 to 206 beats per minute (39 steps)
 Accented Beats: 0,1,2,3,4,5,6 and 7
 Standard Pitch: 438-445 Hz (± 0.5 cent accuracy)
 Memory: Remembers all settings from previous power-off

Limited Two-year Warranty

If your MetroTune fails because of a manufacturing defect within two years from the date of the original purchase, please return it to your dealer. If you need to return the tuner to Sabine, call for a Return Authorization number. Then send it, postage prepaid, to Sabine for replacement with a new or reconditioned product. You must include your full name, address, proof of purchase and the nature of the defect. This warranty does not cover damage caused by accident, misuse or defective batteries.

USING THE METRONOME FUNCTION OF YOUR MT-8000

Quick Start

Quick Start

Press the POWER button to turn on your MT-8000. The **MetroTune** remembers the last Function used and returns to that point. Repeatedly press the FUNCTION button until the Tempo LED lights. Use the UP/DOWN buttons to select the tempo, which is displayed in the top LED row. After selecting your desired tempo, wait 2-3 seconds until the Tempo light goes out. You are now ready to use your metronome.

How to change Tempo with your MetroTune metronome:

With the **MetroTune** on, use the Function button to select Tempo. As soon as you enter Tempo edit mode, the current tempo will display (top row LEDs). Use the UP/DOWN buttons to select the desired tempo. The top row LEDs will light as you scroll through the tempo selections. As with all other functions, the MetroTune will revert back to normal mode after 3 seconds of no button action. When two LEDs light simultaneously, the speed is indicated by the number printed between the two LEDs.

How to adjust the Volume of your MetroTune metronome:

Scroll with the FUNCTION button until the Volume LED lights up. The metronome will continue to click during this edit mode. Use the UP/DOWN buttons to set the **MetroTune** volume to high, low or mute.

How to create an Accented Downbeat with your MetroTune:

You can create an accented downbeat to indicate the beginning of a measure or phrase by scrolling the FUNCTION button until the Downbeat LED lights up. The downbeat LEDs are labeled **0-7** in the upper left of the display. The default is **0**. The current Downbeat status will display along with the Downbeat LED. Use the UP/DOWN buttons to select no accent (0), or from 1 to 7 beats per measure. As with all other functions, the MetroTune will revert to normal mode 3 seconds after you finish editing.

USING THE TUNER FUNCTION OF YOUR MT-8000

Quick Start

Quick Start

Press the POWER button to turn on your MT-8000. The **MetroTune** remembers the last Function used and returns to that mode. When the double green LEDs are flashing once per second, you are ready to tune. Play the note or string you wish to tune. The note name will display on the bottom row of LEDs; the measure of how flat or sharp the note is will display in the top row of LEDs. Adjust each note or string until the display shows "In Tune."

**Green
In-Tune
LED Flash
Settings**

1 flash per second means you are in standard A = 440 Hz pitch calibration and in the standard concert "C" tuning (not transposed)

2 flashes per second means the tuner is in other than A = 440 Hz pitch calibration OR Transposed to an alternate key

How to recalibrate your MetroTune tuner:

Use the calibrate function to tune your instrument to a pitch other than A = 440, or if you want to use alternate scales. For example, if you wish to recalibrate the tuner from standard A = 440 Hz to A = 438 Hz, press the FUNCTION button and scroll through the Function LEDs until the Calibrate LED is lit. Then press the UP or DOWN button until the top row note indicator LED lights above 438. The tuner's scale is now shifted to that pitch. Wait 2-3 seconds, your setting will be saved and the MetroTune will revert to normal mode (green In-Tune LEDs will flash two times per second). To return the tuner to standard A = 440 Hz, choose Calibrate and use the UP/DOWN buttons to select 440. When finished, wait 2-3 seconds, your setting will be saved and the MetroTune will revert to normal mode.

How to Transpose to a different key with your MetroTune tuner:

Use the Transpose function to transpose to a different key. This is especially useful if you are using a fretted instrument with a capo or if your instrument is not tuned in the key of "C," such as a B-Flat trumpet or E-Flat alto sax. For example, to transpose to Bb push the FUNCTION button and scroll until the Transpose LED lights. The current Transpose status LED will light (default is the C LED). Push the DOWN button twice to get to Bb. When finished, wait 2-3 seconds, your setting will be saved and the MetroTune will revert to normal mode (the green In-Tune LEDs will flash two times per second).

NOTE: to completely reset all functions to their default settings, turn the MT-8000 off, press and hold the UP and DOWN buttons, power-up, and release the UP/DOWN buttons after 3 seconds. The green In-Tune LEDs will flash at 1 flash per second.

Intonation Training for Wind & Orchestra Instruments

Use the MT-8000 to track every note you play. Try playing a simple passage and see how close to "in-tune" each note is. Strive to get every note as close as possible to in-tune!

Some Stringed Instrument Tuning Tips

Many musical instruments have peculiarities that cause annoying tuning problems. Most of these peculiarities are overcome by following these simple procedures:

- ◆ Pluck one string at a time.
- ◆ Pluck the instrument once per second to keep the note “fresh” while you are tuning. Notes go noticeably flat a second or two after being plucked. If tuning a higher-pitched instrument (such as a mandolin), pluck a little faster; for a lower-pitched instrument (such as a bass), pluck slower.
- ◆ Do not pluck loudly. Generally light to medium volumes provide purer tones that are easier for tuners to analyze.
- ◆ Pluck the strings with the flesh of the thumb. Fingernails and flat picks add overtones and slow the tuning process.
- ◆ Tune from a pitch that is flat up to the pitch you desire. This procedure removes any slack in the gears of the instrument’s tuning heads. If you tune from **sharp to in tune**, the gears will slip as you play, and the instrument will go flat after a few minutes of playing.
- ◆ If you have difficulty getting a note to register on the tuner, try touching the other strings lightly to stop their sympathetic vibrations. This will eliminate any extraneous overtones that may disturb the tuning.
- ◆ Use good strings. Old strings lose their uniformity and do not vibrate evenly. New strings stretch flat as you play.
- ◆ All sources of friction cause tuning problems. For example, if the slot in an instrument’s nut is too tight, the string will be pulled flat as it is played. A tight nut (or capo) will cause the string’s pitch to change in steps rather than evenly.
- ◆ Avoid pressure on the instrument while tuning. Even moderate pressure on the neck of a guitar will cause a noticeable change in pitch. Also, press the strings straight down to the fingerboard. Bending the strings sideways is very common, especially on difficult chords, but causes the strings to be pulled sharp.
- ◆ A note for advanced fretted instrumentalists: Almost all fretted instruments, and most other instruments, are constructed to play an “even-tempered scale.” Sabine tuners are also calibrated to this scale. The even-tempered scale places equal tonal spacing between all notes in the scale so that the musician will not have to retune to change keys. A disadvantage, however, is that the third note of the scale sounds a little sharp (14 cents, to be exact). For example, when playing in the key of G, the B note will sound sharp. If you tune the B string so that it sounds correct in an open G chord, other chords using the B string will sound out of tune. The musician may choose to optimize the tuning of a particular key or to use the even-tempered scale. Much depends on the musician’s style, but generally it is best to tune exactly as your MetroTune indicates.



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