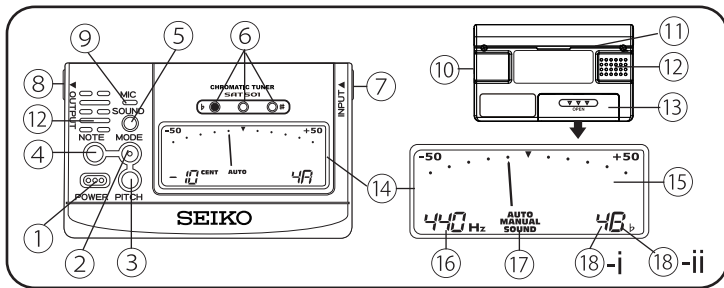


SEIKO CHROMATIC TUNER SAT501



INSTRUCTION MANUAL

FOR SAFE OPERATION

CAUTION

- Do not disassemble, attempt to repair or tamper with the tuner as it may cause a short circuit.
- Do not operate the buttons with wet hands as it could result in a short circuit or electric shock.
- Do not expose the batteries to fire. They may explode, generate an intense heat or catch fire.
- Install the batteries, checking that the (+) and (-) terminals are properly connected. Otherwise, a malfunction may result.
- Do not use or keep the tuner in the following places:
 - Places where the tuner is exposed to extremely high temperatures such as direct sunlight, near or on a heating unit.
 - Humid places such as bathroom, sink or wet floor.
 - Dusty places.
 - Places where the tuner is subjected to strong vibrations.
- If the tuner is left unused for a long time, remove the batteries. Otherwise, battery leakage may occur, causing a malfunction.
- Do not apply undue force to the tuner or drop or hit it against hard surfaces as it may result in a malfunction and injuries.
- Do not use thinner or alcohol to clean the tuner as it may result in damage.

NAMES OF PARTS

- | | | |
|---------------------|-----------------------|---|
| ① Power button | ⑦ Input jack | ⑬ Battery hatch |
| ② Mode button | ⑧ Output jack | ⑭ LCD display |
| ③ Pitch button | ⑨ Built-in microphone | ⑮ Tuning meter |
| ④ Note button | ⑩ Strap hole | ⑯ Cent/Pitch indication |
| ⑤ Sound button | ⑪ Slit for stand | ⑰ Mode indication |
| ⑥ Tuning guide lamp | ⑫ Speaker | ⑱ Note indication
i) Octave ii) Note |

TUNING METHOD

- 1) Press Mode button to select "AUTO" or "MANUAL" tuning mode.
 - AUTO mode: Tuner automatically indicates the note closest to the input note and the discrepancy between the input note and the note shown on display.
 - MANUAL mode: Set the note you wish to tune to using Note button. Tuner indicates the discrepancy between the input note and the note you have set.
- 2) Press Pitch button to set the desired reference pitch.
 - * The digits move at 10 Hz steps if the button is kept pressed.
- 3) Bring the instrument close to Built-in microphone, and play it to give a single note.
 - * When tuning electric or electronic instruments, or when using the contact microphone sold separately for tuning, insert the plug of the instrument or microphone into Input jack. While a plug is connected with Input jack, the Built-in microphone is disabled.
- 4) Tune the instrument until the pointer of Tuning meter indicates "0" with the note you wish to tune to being shown on the display.
 - * When discrepancy between the input note and the note indicated by Note indication is within the range of ± 3 cents, Tuning guide lamp in the middle will light up in green.

Tuning to a Reference Note

- 1) Press Sound button to give out a reference note. (Another press of the button will stop the sound.)
- 2) Press Note button to choose the note you wish to tune to.
- 3) Press Pitch button to set the desired reference pitch.
 - * Tuner produces notes within the range between C4 and B4.

OTHER FUNCTIONS

- Auto Power-Off Function: Tuner is automatically turned off if no button operation or note input is made for a certain period of time (SOUND mode: approximately 5 minutes; other modes: approximately 20 minutes).
 - * To deactivate auto power-off function, press Power button while keeping Note and Sound buttons pressed at the same time. Once Tuner is turned off, the function is resumed when Tuner is turned on again.
- Memory Backup Function: The settings you have made are stored in memory. If the batteries are replaced with new ones, Tuner will return to the following initial settings.
Tuning mode: [AUTO], Pitch shift: [440 Hz], Note: [A]
- Slit Stand: By inserting a card or coin into the slit on the rear of Tuner, it can be propped up on a desk, etc. It can also be hung on a music stand by putting its edge into the slit.
 - * Note that the card or coin used to prop up Tuner may get scratched or damaged accidentally.
 - * Do not forcibly put the edge of the music stand into the slit, as this may damage Tuner or cause it to fall during use.

BATTERY CHANGE

When batteries near their end, LCD display becomes dim, and the brightness of Tuning guide lamps reduces. In that case, replace batteries with new ones immediately.

- 1) Make sure that Tuner is turned off.
- 2) Slide battery hatch on the rear of Tuner in the direction of the arrow to remove it.
- 3) Insert two R03/LR03 (AAA) dry batteries, checking that their terminals are properly aligned.
- 4) Turn on and off Tuner by pressing Power button to check that it operates properly.
 - * Replace the two batteries at the same time. Do not mix old and new batteries or batteries of different makes and types together.
 - * When disposing of old batteries, observe regulations of the authorities concerned.
 - * When you decide not to use Tuner for a long time, remove batteries to prevent battery leakage.
 - * Batteries included with your tuner are monitor batteries, and their battery life may be shorter than the specified period.

CAUTIONS ON USING TUNER

- Do not connect an amplifier or other devices to Output jack while Input jack is unconnected. Otherwise, Built-in microphone may cause a howling noise to damage the device connected.
- Before pulling out the plug from Input or Output jack, be sure to turn off all the instruments or devices connected to Tuner.
- Tuner is equipped with a "bypass" function that outputs the signal input into Input jack to other devices through Output jack regardless of whether Tuner is turned on or off. When using this "bypass" function, however, be sure to turn off Tuner to prevent it from being adversely affected by noise caused by the signal.
- While Tuner is turned on, it may pick up noise from the surrounding environment or the hum noise generated by electric appliances, and shows indications as if a note is played. This is not a malfunction.
- Please note that musical instruments that generate harmonic overtones or short sustaining tones may not be tuned accurately even though the note input to Tuner is within the tunable range.

SPECIFICATIONS

- | | |
|-------------------------|--|
| 1. MODE | : Auto/Manual tuning mode, Sound mode |
| 2. TUNING RANGE | : A0 ~ C8 |
| 3. REFERENCE NOTE | : C4 ~ B4 |
| 4. TUNING ACCURACY | : ± 1 cent |
| 5. PITCH SHIFT | : A4 = 410 Hz ~ 450 Hz (at 1 Hz steps) |
| 6. ADDITIONAL FUNCTIONS | : Auto power-off, memory backup |
| 7. TERMINAL | : Input jack ($\phi 6$ mm, monaural),
output jack ($\phi 6$ mm, monaural) |
| 8. POWER SUPPLY | : R03/LR03 (AAA) dry battery, 2 pieces (3 V) |
| 9. OVERALL DIMENSIONS | : 105.6 (W) x 64.0 (H) x 17.7 (D) mm (including protrusions) |
| 10. WEIGHT | : 90 g (including batteries) |
| 11. ACCESSORIES | : Instruction manual and monitor batteries R03/LR03 (AAA), 2 pieces |

* The design and specifications are subject to change without prior notice for product improvement.