SEIKO
Chromatic Tuner SAT50
INSTRUCTION MANUAL

Thank you for purchasing the SEIKO CHROMATIC TUNER SAT50. Carefully read this instruction manual before using your SAT50 as proper use is important to ensure the life of the product.
Store this instruction manual in a place that is readily accessible and refer to it regularly.

FOR SAFE OPERATION

The following warnings and cautions are important in ensuring safe and proper use of the product, preventing injury to yourself and others, and preventing damage to your belongings.

— Please adhere to the following warnings. —

⚠ WARNING
Disregard of these warnings may result in injury or death.

- Do not disassemble, attempt to repair, or tamper with the tuner or batteries.

- Do not handle the tuner with wet hands.

- Do not use or store the tuner in places where it may become wet such as in bathrooms, near sinks, or outdoors.

- Do not expose the batteries to fire.
- Use only the batteries specified for the tuner.
- Do not insert pins or other foreign objects into the tuner.
- Do not place the tuner on unstable surfaces.
- Do not intentionally throw or drop the tuner.
- Do not use or store the tuner in places where it may be exposed to extremely high temperatures such as near heaters, on devices that generate heat, in direct sunlight, or in vehicles.
- Do not use or store the tuner in places where it may be exposed to extremely high levels of humidity.

- Do not let small children play with the tuner.
- Keep removed batteries and the battery lid out of the reach of small children. In the event that a child swallows these parts, contact a physician immediately.
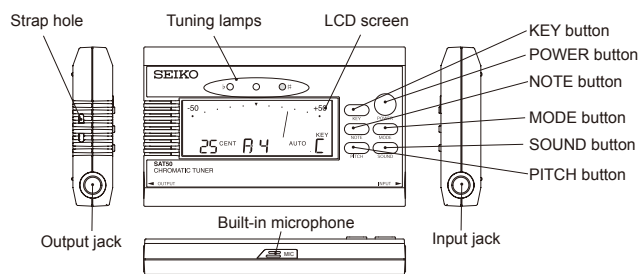
⚠ CAUTION
Disregard of these cautions may result in injury or physical damage.

- Do not apply excessive force to the buttons or body of the tuner.
- When using a strap, do not swing the tuner around by the strap.
- Do not mix old and new batteries or batteries of different types.
- Do not use rechargeable batteries.
- Do not let leaked battery fluid come in contact with your skin.
- Do not use or store the tuner in dusty places or places prone to vibration.
- Do not use thinner or alcohol to clean the tuner.

- Replace both (two) batteries at the same time. When installing new batteries, check that the (+) and (-) terminals are oriented correctly.
- Remove the batteries when they are depleted or when not using the tuner for a long period of time.

The batteries included with the tuner are for functionality testing and their life may be shorter than expected.

NAMES OF PARTS

Strap hole / Tuning lamps / LCD screen / KEY button / POWER button / NOTE button / MODE button / SOUND button / PITCH button / Output jack / Built-in microphone / Input jack

TUNING YOUR INSTRUMENT

Press the POWER button to turn on the tuner. Set the reference pitch using the PITCH button and select AUTO or MANUAL using the MODE button.
  <AUTO MODE> The 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 the NOTE button. Tuner indicates the discrepancy between the input note and the note you have set.
Tune your instrument by playing a note and adjusting the corresponding string until the needle of the tuning meter is aligned with the ▼ mark, or until the cent display reads 0 cents. The middle (green) tuning lamp will light up when the played note is within ±3 cents of the reference tone.

* You can also tune your instrument by plugging your guitar or bass's amplifier cord into the input jack of the tuner, or by plugging the Pickup Microphone STM10 or STM20 (sold separately) into the input jack of the tuner.
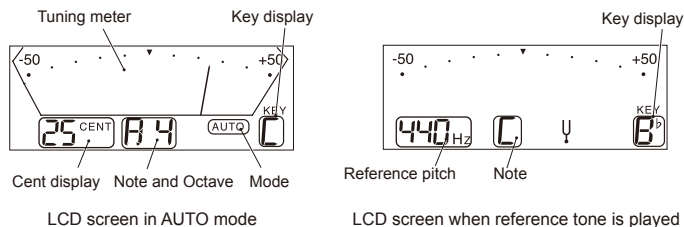* The built-in microphone of the tuner is disabled when the input jack is in use.
* Ambient sound or hum noise from electronic appliances may cause the tuner to behave as if in use. This is not a malfunction.
* In some cases, instruments that produce harmonic overtones or short-sustaining tones may not tune accurately.

Tuning to a Reference Tone

Press the SOUND button to turn the speaker on. Press the NOTE button and select the desired reference tone. The reference tone will be played through the speaker.
When finished tuning, press the SOUND button again to turn the speaker off.
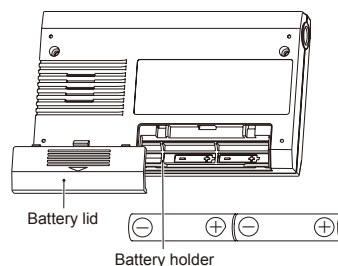

Tuning meter / Key display / Cent display / Note and Octave / Mode
LCD screen in AUTO mode

Key display / Reference pitch / Note
LCD screen when reference tone is played

● **Setting the Key**
Press the KEY button to choose the key of C, E♭, F, or B♭ . The key selection is displayed in the lower right corner of the LCD screen.
● **Bypass Function**
The signal input via the input jack can be output via the output jack. When using the bypass function, be sure to turn the tuner off in order to prevent interference.

BATTERY REPLACEMENT

Dimming of the tuning lamps or the LCD screen, or the volume becoming faint occurs when the batteries are depleted. In these cases, replace the batteries immediately.

Battery lid / Battery holder

Press the POWER button to turn off the tuner. Locate the battery lid on the back side of the tuner. Slide the battery lid in the direction of the arrow on it to remove it. Remove both (2) depleted batteries. Install two new batteries in the battery holder, making sure that the batteries are aligned with the polarity markings. Replace the battery lid. After replacing the batteries, turn the tuner on and confirm that the tuner functions normally. The tuner is reset to factory settings when the batteries are replaced (mode: AUTO, reference pitch: 440 Hz, key: C, note: A4).

* Be sure that the (+) and (-) terminals of the batteries are oriented correctly.
* Follow all local ordinances and regulations when disposing of depleted batteries.

SPECIFICATIONS

- Tuning mode : AUTO / MANUAL, Reference tone
- Tuning range : F♯0 ~ C8 (when set to the key of C)
- Reference tone range : C4 ~ B4
- Tuning and reference tone accuracy
  : ±1 cent
- Pitch shift : A4= 410 ~ 450 Hz
- Key transpose function : C, E♭ , F, B♭
- Auto power-off : 10 min. (tuner), 5 min. (reference tone)
- Input : Built-in microphone, Φ6 jack (monaural)
- Output : Φ6 jack (monaural)
- Power supply : Two (2) AAA batteries (3V)
- Battery life : Approx. 145 hours (at continuous A4 input)
- Overall dimensions and weight : 105 (W) × 64 (H) × 16 (D) mm (excluding protruding parts); approx. 90g (including batteries)
- Accessories : Instruction manual, AAA battery × 2 (for functionality testing)

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