

Congratulations on buying a new Solutions Tuner, please read this manual carefully to make sure you are using it correctly.

### ONE. Notice for safety use

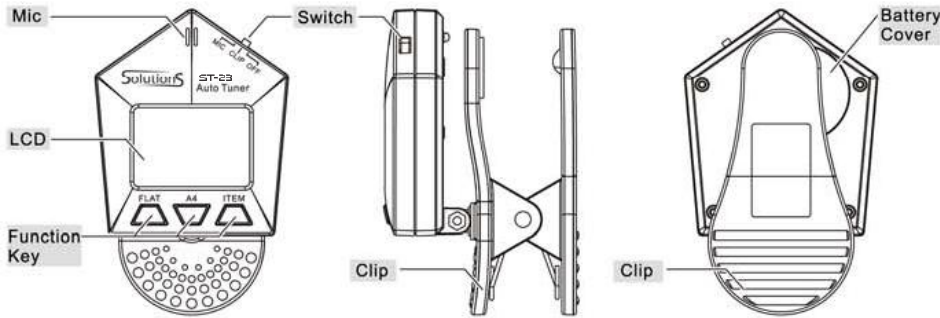
#### ⚠ Overall

- Never use alcohol, petrol or other strong chemical detergent washing LCD or the body of the tuner;
- Please do not crush or strike the body of the tuner, otherwise its LCD can be broken or cause other malfunctions.

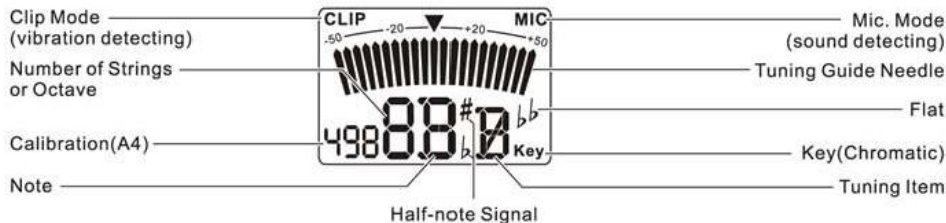
#### ⚠ Battery Use

- Please pay attention to the polarity of the battery when putting in new battery; Take out of battery if the tuner will not be used for a long time;
- Take the battery out and put it in again after 10 seconds when the tuner does not work properly;
- Replace with new battery when the LCD show is not clear;
- Please dispose of the old battery properly.

### TWO. Appearance and Sketch



### THREE. LCD Sketch



### FOUR. Instructions

1. Choose between Clip Mode or Mic. Mode: (Move the switch to "CLIP" or "MIC" to choose a proper tuning mode, the tuner then will be turned on.)

**A. Clip Mode:** The tuner will detect the vibration of the instrument you are tuning.

- (1) The mode can be used for tuning in a noisy circumstance;
- (2) Clip the tuner onto one part of the instrument you are tuning. (Please make sure it will not affect playing the instrument and its sound)

**B. Mic. Mode:** The tuner will detect the sound of the instrument you are tuning.

- (1) The mode can be used for tuning an instrument onto which the tuner is not easily clipped.
- (2) Please make sure that you are using the mode in a quite ambient for a good tuning result.

2. Choose Tuning Item (Press "Item" Key to choose a tuning item):

(Initially) C<sub>key</sub> → F<sub>key</sub> → B<sub>key</sub> → E<sub>key</sub> → G → B → V

Under the tuning items: C<sub>key</sub>, F<sub>key</sub>, B<sub>key</sub>, E<sub>key</sub>, C<sub>key</sub> → CHROMATIC  
F<sub>key</sub>, B<sub>key</sub>, E<sub>key</sub> → These "keys" are suitable for tuning some wind instruments respectively

⚠ Under the key "C", the tuner will show the octave and note of the pitch, but under key "F", "B" and "E", the tuner will only show the note of the pitch.

Under the tuning items: G, B, V  
G → Guitar tuning mode B → Bass tuning mode V → Violin tuning mode

⚠ Under these tuning mode, the tuner will show the note and the string number.

3. Adjust the calibration (A4)  
Press "A4" key to adjust calibration (A4) from 430 Hz to 450 Hz.

⚠ Note: The initial "A4" is 440 Hz. When the calibration (A4) is higher than 440 Hz, the tuned note will be a little bit higher than that note tuned under a calibration (A4) of 440 Hz; When the calibration (A4) is lower than 440 Hz, the tuned note will be a little bit lower than that note tuned under a calibration (A4) of 440 Hz.

4. Flat tuning  
Under "G" (guitar) or "B" (bass) tuning item, press "FLAT" key to enter into flat tuning: "b", lower down half-note tuning; "bb", lower down double half-note tuning.

⚠ Note: Pressing "FLAT" key under other tuning items has no effect.

### FIVE. Operation Guide

- Please put the tuner close to the instrument you wish to tune or clip onto it.
- Make the instrument to give a pitch.
  - When no pitch signal is detected by the tuner, the LCD back-light will be at low-light state for saving power.
  - When a pitch signal is detected by the tuner, the LCD back-light will be at high-light state for showing clearly the note.
- The tuner will detect the pitch and show the corresponding note automatically.
  - When the tuning items are C<sub>key</sub>, F<sub>key</sub>, B<sub>key</sub>, E<sub>key</sub>, the tuner will show the octave and note of the pitch.
  - When the tuning items are G, B, V, the tuner will show the note and the string number.
- Adjust the instrument until it is in tune.
  - When the octave (string number) and note are the same as the correct ones, and the "Tuning Guide Needle" points to "0" in the middle, back-light turns green, then the pitch is in tune.
  - When the octave (string number) and note are the same as the standard ones, but the "Tuning Guide Needle" points to the right part of the metre (+50 direction), back-light turns red, then the pitch is higher than the standard pitch; so please adjust the instrument to make a little bit lower pitch until it is in tune. On the contrary, if the "Tuning Guide Needle" points to the left part of the metre (-50 direction), back-light turns orange, then the pitch is lower than the standard pitch; so please adjust the instrument to make a little bit higher pitch until it is in tune.
  - When the octave (string number) is the same as the correct one, but the note showed is not the same as the correct note, please adjust the instrument according to the chromatic sequence of the 12 notes. For example, if the tuner shows "A#", but the correct note should be "A", then the pitch is half-note higher, please adjust to a lower pitch until the note is the correct note. Then tune the instrument referring to "b" instruction above.
  - When the octave (string number) is different from the correct one, please firstly adjust the instrument to make it the same octave (string number) according to the sequence of relative octave (string number). For example, if the tuner shows octave being "3", but the correct octave is "4", then the pitch is obviously lower than the correct one, please adjust it to make the octave as "4" firstly, then tune the instrument referring to the ways above.

### SIX. Accessories

- User's manual
- Certificate of QC pass
- 2032 cell battery (one piece)

### SEVEN. Specification

- Power: 3V 2032 cell battery (one piece)
- Tuning Item: C, F, Bb, Eb  
G (guitar), B (bass), V (violin)
- Tuning Range: A0 (27.5Hz) - a3 (1760Hz)
- Tuning way: automatically