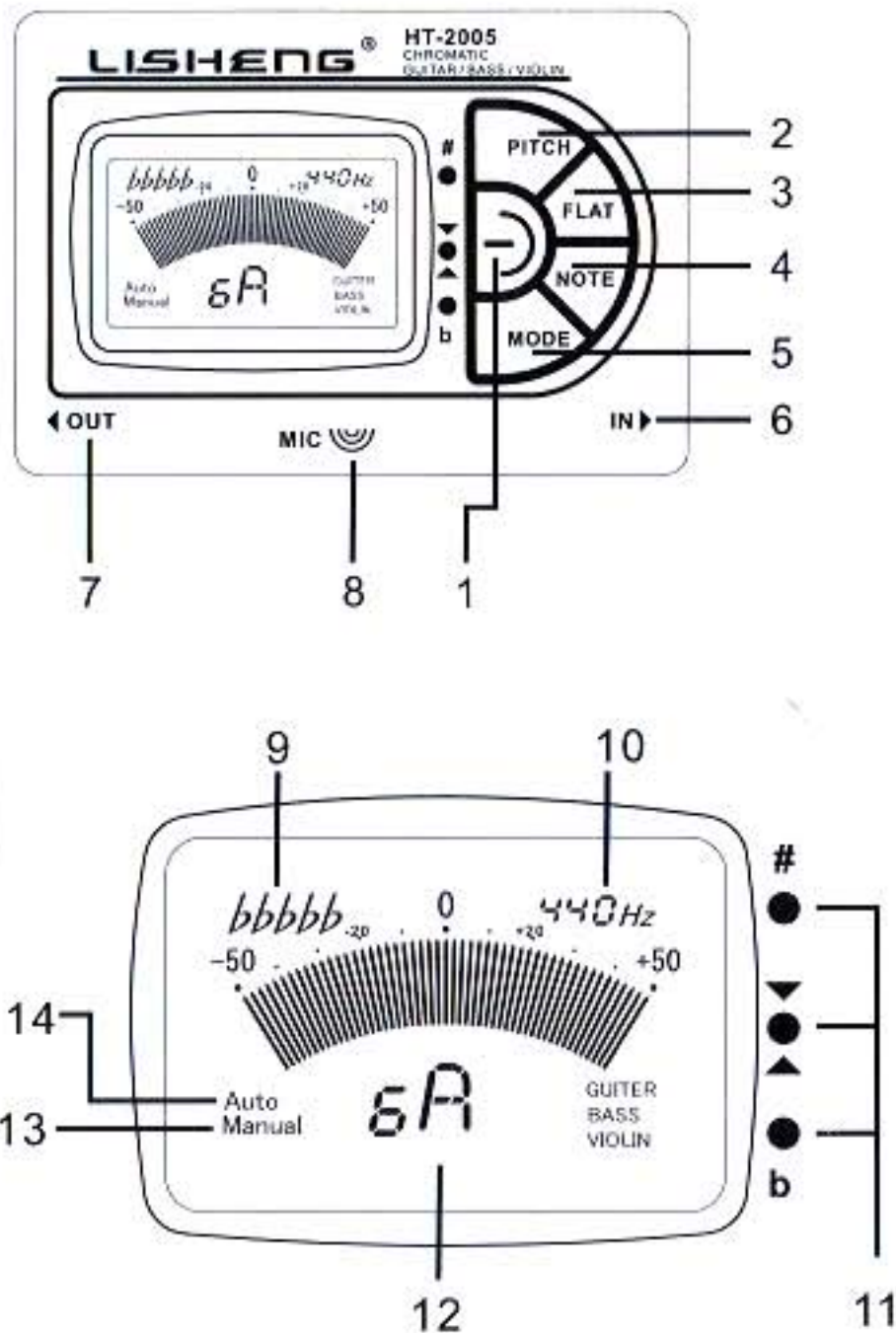


# LISHENG® TUNER HT-2005 USER'S MANUAL



1. Power Switch for Tuner On/Off  
Auto Power Off 20Min. Without any input Sound
2. Pitch Button for pitch adjustment
3. Flat Button for Flat Selection
4. Note Button for Tuning Note Selection
5. Mode Button for Auto mode Selection
6. Input jack for Electric Instruments
7. Output jack for Electric Instruments
8. Internal Mic for Acoustic Instruments
9. Flat Mark
10. Referencr Pitch
11. Tuning Guide LEDs
12. Tuning Meter
13. Manual Mode
14. Auto Mode

## TUNING PROCEDURE

### Usage attention

- Do not operate the tuner near by sound equipment such as radio or television.
- When you tune electric instruments, locate the volume level at the center position.
- Do not pluck loudly and heavily.
- For quick tuning of next string, press all strings with finger lightly after tuning to cut input.

### Auto Tuning in Auto Mode

1. Electric Instruments : Connect output cord of the instruments with the IN jack of tuner.
2. Press POWER button to turn on . LCD lights up and set Auto Guitar and Pitch 440Hz automatically.
3. Select mode you wish to tune. Each press will indicate Auto Guitar - Auto Bass
4. If necessary, adjust reference pitch by pitch button.
5. If you use Capo for guitar, you can tune the guitar by flat tuning function. Press Flat button, you can select the Flat.
6. Start tuning from low frequency sound.
7. If the tuning sound is out of -50 or +50 cent range, adjust the instrument until one of red LED lights up and tuning note you wish to tune is shown on LCD.
8. If one of red LED lights up, tighten(-50cent~center) or loosen the instrument slowly to the approach needle of meter to center position.
9. When the sound is in tune, the needle of meter stops at the center position and blue LED lights up.

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## Manual Tuning in Manual Mode

1. Press Note button when you select tuning mode in Auto mode.
2. When each Auto mode change to Manual mode, following initial form will be set on LCD.  
Auto Chroma - Press Note button - Manual Chroma C  
Auto Guitar - Press Note button - Manual Guitar 7B  
Auto Bass - Press Note button - Manual Bass LB  
Auto Violin - Press Note button - Manual Violin 4G
3. Tune from initial note and press Note button again to indicate next note.
4. Follow steps of Auto tuning procedure.

## INSTALLING THE BATTERY

1. Slide the cover on bottom side in the direction of the arrow while pressing the cover.
2. Insert the batteries (1.5V, AAA Size\*2) being careful to observe the correct polarity.
3. If the unit malfunctions remove and then reinstall the battery.

## SPECIFICATIONS

1. Mode : Auto & Manual tuning mode
2. Tuning Range : A0(27.50Hz)~C8(4,186.00Hz)
3. Tuning Note : Chromatic Mode : C, C#, D, D#, E, F, F#, G, G#, A, A#, B  
Guitar Mode : 7B, 6E, 5A, 4D, 3G, 2B, 1E  
Bass Mode : LB, 4E, 3A, 2D, 1G, HC  
Violin Mode : 4G, 3D, 2A, 1E
4. Accuracy : +/- 0.5 Cents
5. Pitch Range : 433~448Hz (1Hz Step)
6. Indicator : LCD & 3 LEDs
7. Input : Input jack for Electric instruments Tuning  
Output : output jack for Electric instruments  
Condenser Microphone for Acoustic instruments Tuning
8. 1.5V (AAA Size \* 2)
9. Dimension : W99.5 \* H71 \* D18 mm
10. Weight : 86.5g (Including battery)

## CAUTION

1. To avoid short circuit, electric shock or malfunction :  
Do not disassemble for repair.  
Do not place in excessive vibration.  
Do not operate the tuner with wet hands.  
Do not place in high temperature and humid space such as heater, direct sunlight, bathroom etc.  
Do not place dusty or dirty space.
2. To avoid breakdown  
Do not handle all controls with excessive power.  
Do not drop the tuner.
3. Cleaning  
Do not use thinner or alcohol for cleaning.  
Use only dry and clean cloth.
4. To prevent battery loss  
Remove the battery when the tuner is not in use for a long time.  
Turn the power button off when the tuner is not in use.
5. Battery  
Use only 1.5V battery (AAA Size \* 2)