

## Cherub WST-520GB

# Cherub WST-520GB Auto Guitar/Bass Tuner User Manual

Model: WST-520GB | Brand: Cherub

## 1. PRODUCT OVERVIEW

The Cherub WST-520GB is an automatic tuner designed for guitars and basses. It features a clear display, LED indicators for tuning status, and multiple input options for accurate instrument tuning, making it suitable for both electric and acoustic instruments.

## 2. PACKAGE CONTENTS

- Cherub WST-520GB Tuner
- 2 x AAA Batteries
- User Manual (this document)

## 3. KEY FEATURES

- Automatic tuning method for ease of use.
- Built-in microphone for tuning acoustic instruments.
- 1/4-inch input jack for connecting electric instruments.
- LED indicators clearly show flat, in-tune, and sharp status.
- Supports chromatic tuning mode for versatile instrument compatibility.

## 4. CONTROLS AND INDICATORS



Figure 1: Cherub WST-520GB Tuner Front Panel

- **Display Screen:** Features a needle-style meter indicating pitch deviation from -50 (flat) to +50 (sharp) cents.
- **LED Indicators:** Three lights above the display. The left red LED indicates flat, the right red LED indicates sharp, and the center green LED indicates in-tune.
- **MIC:** Integrated microphone for detecting the sound of acoustic instruments.
- **ITEM / FLAT Button:** Used to cycle through instrument modes (e.g., Guitar, Bass, Chromatic) and to activate or adjust flat tuning settings.
- **ON---CALIB / OFF Button:** Powers the unit on or off. May also be used for calibration functions.
- **INPUT Jack:** A 1/4-inch (6.35mm) jack for connecting electric instruments directly.
- **OUTPUT Jack:** A 1/4-inch (6.35mm) jack for passing the instrument's signal through to an amplifier or other audio equipment.

## 5. SETUP

### 5.1. Battery Installation

The Cherub WST-520GB operates on two AAA batteries. Locate the battery compartment on the back of the unit. Open the cover, insert the batteries ensuring correct polarity (+/-) as marked, and then securely close the cover.

### 5.2. Connecting Your Instrument

**For Electric Instruments:** Connect a standard 1/4-inch instrument cable from your instrument's output jack to the **INPUT** jack on the tuner. If you wish to send the tuned signal to an amplifier, connect another 1/4-inch cable from the tuner's **OUTPUT** jack to your amplifier's input.

**For Acoustic Instruments:** No cable connection is required. The tuner's built-in microphone will detect the sound of your instrument.

## 6. OPERATING INSTRUCTIONS

## 6.1. Powering On/Off

Press and hold the **ON---CALIB / OFF** button for approximately 2 seconds to power the tuner on or off.

## 6.2. Selecting Tuning Mode

After powering on, the tuner will display its current mode. Press the **ITEM / FLAT** button repeatedly to cycle through the available instrument modes, such as Guitar, Bass, or Chromatic. Select the mode appropriate for your instrument.

## 6.3. Tuning Your Instrument

1. Play a single note on your instrument. Ensure the note sustains long enough for the tuner to detect it.
2. Observe the display and LED indicators:
  - If the left red LED illuminates and the needle points to the left (towards -50), the note is flat.
  - If the right red LED illuminates and the needle points to the right (towards +50), the note is sharp.
  - If the green LED illuminates and the needle is centered (at 0), the note is in tune.
3. Adjust your instrument's tuning pegs until the green LED illuminates and the needle is precisely centered on the display.

## 6.4. Using the Flat Function

If you need to tune your instrument to a lower pitch (e.g., half-step down), press the **ITEM / FLAT** button briefly after selecting your instrument mode. The display will indicate the activated flat setting (e.g., 'b' for one half-step flat). Press again to cycle through flat settings or return to standard tuning.

# 7. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the tuner's exterior. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Battery Replacement:** Replace the AAA batteries when the display dims, the LEDs become faint, or the unit fails to power on. If the tuner will not be used for an extended period, remove the batteries to prevent potential leakage and damage.
- **Storage:** Store the tuner in a dry environment, away from extreme temperatures, high humidity, and direct sunlight. Protect it from physical shocks or drops.

# 8. TROUBLESHOOTING

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## 8.1. Tuner does not power on.

- Check battery installation. Ensure batteries are inserted with correct polarity.
- Replace batteries with fresh ones, as they may be depleted.

## 8.2. Tuner is not detecting sound.

- **For electric instruments:** Ensure the instrument cable is securely connected to the **INPUT** jack. Verify that the cable and instrument are functioning correctly. Increase the instrument's volume output.
- **For acoustic instruments:** Ensure the instrument is played loudly enough for the built-in microphone (MIC) to detect the sound. Try moving the tuner closer to the sound source.

## 8.3. Tuning seems inaccurate.

- Verify that the correct instrument mode (Guitar, Bass, Chromatic) is selected.
- Minimize ambient noise that might interfere with the microphone's detection.

- If using the input jack, ensure the cable connection is stable and free from interference.


## 9. SPECIFICATIONS

- **Model:** WST-520GB
- **Tuning Mode:** Chromatic, Guitar, Bass
- **Input:** 1/4-inch (6.35mm) mono jack
- **Output:** 1/4-inch (6.35mm) mono jack
- **Power:** 2 x AAA batteries (included)
- **Dimensions:** 4.1 x 3.7 x 1 inches (10.4 x 9.4 x 2.5 cm)
- **Weight:** 3.2 ounces (90.7 grams)
- **Material:** Plastic

## 10. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or customer support, please refer to the manufacturer's official website or contact their customer service department directly. It is recommended to retain your purchase receipt as proof of purchase for any warranty claims.

### Related Documents - WST-520GB

	<p><a href="#">Cherub WST-2046 Clip-On Tuner User Manual - Features, Specifications, Operation</a></p> <p>Comprehensive user manual for the Cherub WST-2046 clip-on tuner. Details features, technical specifications, operation, battery installation, precautions, quality assurance, and regulatory compliance for models BD, RC, and WZ.</p>
	<p><a href="#">Cherub WST-680 Rechargeable Auto-on Tuner User Manual</a></p> <p>Comprehensive user manual for the Cherub WST-680 rechargeable auto-on tuner, detailing features, operation, specifications, and precautions.</p>
	<p><a href="#">Cherub Auto-On Clip WST-645 User Manual</a></p> <p>User manual for the Cherub Auto-On Clip WST-645, a rechargeable clip-on electronic tuner for guitar, bass, and ukulele, featuring auto-on function, compensation tuning, and USB-C charging.</p>
	<p><a href="#">Cherub WST-905Li Metal Clip-on Tuner User Manual</a></p> <p>Official user manual for the Cherub WST-905Li clip-on tuner. Learn about its features, operation, guitar compensation tuning, specifications, and FCC compliance.</p>



### [Cherub WST-550G Guitar Mate Owner's Manual and Specifications](#)

Comprehensive owner's manual for the Cherub WST-550G Guitar Mate clip-on tuner. Includes operation guide, specifications, precautions, warranty, and compliance information.

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### [Cherub WMT-565C String Instrument Mate: User Manual and Guide](#)

Comprehensive user manual for the Cherub WMT-565C string instrument mate, featuring a tuner, metronome, temperature, and humidity monitor. Learn about its features, operation, specifications, and precautions.