

Cherub WST-500A

Cherub WST-500A Chromatic Tuner User Manual

Model: WST-500A

1. INTRODUCTION

Thank you for choosing the Cherub WST-500A Chromatic Tuner. This compact and versatile digital tuner is designed for accurate tuning of various musical instruments, including violin and guitar. It features multiple tuning modes to suit your needs. Please read this manual thoroughly to understand the tuner's functions and ensure optimal performance.

2. SAFETY INFORMATION

To prevent damage to the device or injury to yourself or others, please observe the following safety precautions:

- Do not expose the tuner to extreme temperatures, direct sunlight, high humidity, or corrosive environments.
- Avoid dropping the tuner or subjecting it to strong impacts.
- Do not attempt to disassemble or modify the tuner. Refer all servicing to qualified personnel.
- Use only the specified battery type (2 x AAA batteries). Ensure correct polarity when installing batteries.
- Remove batteries if the tuner will not be used for an extended period to prevent leakage.
- Keep batteries out of reach of children. If swallowed, seek immediate medical attention.

3. PRODUCT OVERVIEW

The Cherub WST-500A features a clear LCD display and intuitive controls for easy operation.



Figure 1: Front view of the Cherub WST-500A Chromatic Tuner, showing the display, control buttons, speaker, and microphone.

Controls and Features:

- **LCD Display:** Shows note name, tuning accuracy, and mode indicators.

- **ON/OFF Button:** Powers the tuner on or off.
- **AUTO/ITEM Button:** Switches between Automatic tuning mode and specific instrument presets (Guitar, Violin).
- **FLAT/SOUND Button:** In tuning mode, adjusts flat settings. In sound mode, cycles through reference tones.
- **MANUAL Button:** Activates Manual tuning mode.
- **UP/DOWN Buttons (Manual):** Used to select notes in Manual mode or adjust settings.
- **Built-in Microphone (MIC):** Detects instrument sound for tuning.
- **Speaker:** Emits reference tones in Sound mode.
- **Stand:** Integrated stand on the back for upright positioning.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment on the back of the tuner.
2. Slide open the battery compartment cover.
3. Insert two (2) AAA batteries, ensuring the correct positive (+) and negative (-) polarity as indicated inside the compartment.
4. Close the battery compartment cover securely.

4.2 Powering On/Off

- To turn the tuner ON, press the **ON/OFF** button. The display will illuminate.
- To turn the tuner OFF, press and hold the **ON/OFF** button for approximately 2 seconds.

5. OPERATING INSTRUCTIONS

5.1 Tuning Modes

The WST-500A offers three primary tuning modes:

- **Automatic Mode:** The tuner automatically detects the note being played. This is the default mode.
- **Manual Mode:** Allows you to manually select the target note for tuning.
- **Sound Mode:** The tuner plays a reference tone for you to tune by ear.

5.2 Chromatic Tuning (Automatic Mode)

1. Turn on the tuner. It will typically start in Automatic Chromatic mode.
2. Play a single note on your instrument. Hold the note steadily.
3. The tuner's display will show the detected note name.
4. Adjust your instrument until the needle on the display is centered and the indicator light turns green.
5. If the needle is to the left, the note is flat; tighten the string. If the needle is to the right, the note is sharp; loosen the string.

5.3 Instrument Presets (Guitar/Violin)

The tuner includes specific presets for Guitar and Violin, which can simplify tuning for these instruments.

1. Turn on the tuner.
2. Press the **AUTO/ITEM** button repeatedly to cycle through the available instrument modes (Chromatic, Guitar, Violin). The selected instrument will be indicated on the display.
3. In Guitar or Violin mode, play the desired string. The tuner will display the target note for that string and guide you to tune it.
4. Tune your instrument until the display indicates the correct pitch (centered needle, green light).

5.4 Manual Mode

Use Manual mode when you need to tune to a specific note or if the automatic detection is challenging.

1. Turn on the tuner.
2. Press the **MANUAL** button to enter Manual mode.
3. Use the **UP** and **DOWN** buttons to select your desired target note.
4. Play the corresponding note on your instrument and adjust until the display indicates accurate tuning.

5.5 Sound Mode

Sound mode provides an audible reference tone for tuning by ear.

1. Turn on the tuner.
2. Press the **FLAT/SOUND** button to enter Sound mode.
3. Press the **FLAT/SOUND** button again to cycle through the available reference tones (e.g., A4, B4, C5).
4. Listen to the reference tone and tune your instrument's corresponding string to match the pitch.



Figure 2: The Cherub WST-500A Tuner shown in a hand, illustrating its compact and portable design (approximately 3.9 inches / 9 cm in height).

6. MAINTENANCE

Proper care will extend the life of your Cherub WST-500A tuner.

- Clean the tuner with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- If the tuner will not be used for an extended period, remove the batteries to prevent potential leakage and damage.
- Store the tuner in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your tuner, refer to the following table:

Problem	Possible Cause	Solution
Tuner does not power on.	Dead or incorrectly installed batteries.	Replace batteries with new AAA batteries, ensuring correct polarity.
Inaccurate tuning readings.	Background noise, instrument not producing a clear tone, or incorrect mode.	Ensure a quiet environment. Play notes clearly and steadily. Verify the correct tuning mode (Chromatic, Guitar, Violin) is selected. Try Manual mode.
Display is dim or flickering.	Low battery power.	Replace batteries.
No sound from speaker in Sound Mode.	Not in Sound Mode, or very low battery.	Press FLAT/SOUND button to enter Sound Mode. Replace batteries if necessary.







8. SPECIFICATIONS

- **Tuning Range:** Db (69.296Hz) - d3 (1174.66Hz)
- **Tuning Modes:** Chromatic, Guitar, Violin
- **Detection Method:** Microphone
- **Power:** 2 x AAA batteries
- **Dimensions:** Approximately 5.8 x 2.7 x 0.9 inches (14.7 x 6.9 x 2.3 cm)
- **Weight:** Approximately 3.2 ounces (90 grams) (without batteries)

9. WARRANTY AND SUPPORT

Cherub products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or contact your local Cherub distributor or retailer. For technical support or further inquiries, please visit the official Cherub website or contact their customer service department.

Please retain your proof of purchase for any warranty claims.

	<p>Cherub WST-2046 Clip-On Tuner User Manual - Features, Specifications, Operation</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>Cherub WST-905Li Metal Clip-on Tuner User Manual</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>
	<p>Cherub WST-680 Rechargeable Auto-on Tuner User Manual</p> <p>Comprehensive user manual for the Cherub WST-680 rechargeable auto-on tuner, detailing features, operation, specifications, and precautions.</p>
	<p>Cherub Orig-Tune Clip WST-551C User Manual - Portable Chromatic Tuner</p> <p>User manual for the Cherub Orig-Tune Clip WST-551C, a portable chromatic tuner for musical instruments. Features include rechargeable battery, USB-C charging, and precise tuning.</p>
	<p>Cherub Auto-On Clip WST-645 User Manual</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>Cherub WMT-565C String Instrument Mate: User Manual and Guide</p> <p>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.</p>