

Cherub WST-623

Cherub WST-623 3 Temperament Tuner User Manual

Model: WST-623 | Brand: Cherub

INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your Cherub WST-623 3 Temperament Tuner. Designed for precision and versatility, this clip-on tuner offers three distinct temperament modes to suit various musical applications. Please read this manual thoroughly to ensure proper use and to maximize the performance and longevity of your device.

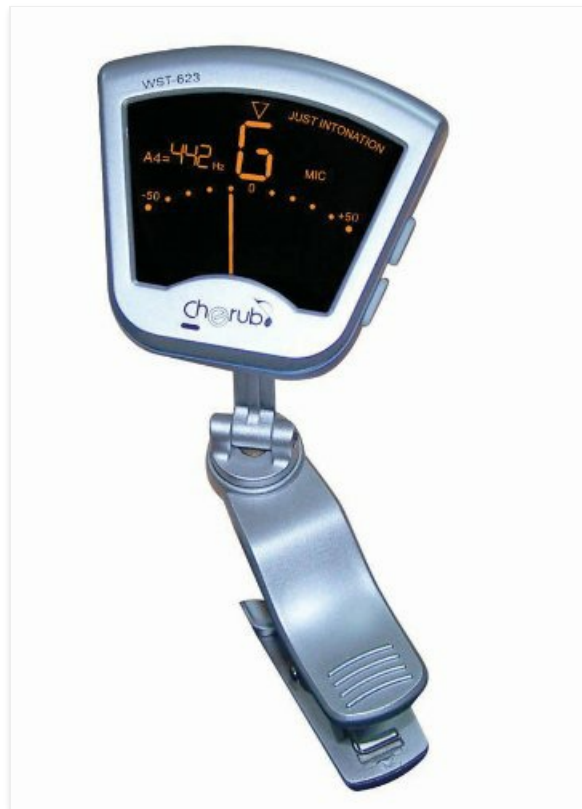


Image: The Cherub WST-623 tuner, a compact, silver-colored clip-on device. It features a large, fan-shaped digital display showing tuning information, including the note 'G', 'JUST INTONATION' mode, and a frequency of 'A4=442 Hz'. The tuner is attached to a flexible, adjustable arm with a sturdy clip at the base, designed for easy attachment to musical instruments.

FEATURES

The Cherub WST-623 tuner is equipped with several key features to enhance your tuning experience:

- **Multiple Temperaments:** Supports Chromatic, Just Intonation, and Circle of Fifths tuning modes,

providing flexibility for different musical styles and instruments.

- **Clip-on Design:** Features a convenient clip-on style with a large, fan-shaped display for easy viewing and attachment to various instruments.
- **Dual Sensing:** Incorporates both a built-in microphone for acoustic detection and a piezo vibration sensor for direct instrument vibration sensing, ensuring accurate tuning in diverse environments.

SETUP

1. **Battery Installation:** The Cherub WST-623 requires one CR2 battery (included). Locate the battery compartment on the back of the tuner, open it, insert the battery according to the polarity indicators, and close the compartment securely.
2. **Attaching the Tuner:** Gently open the clip and attach the tuner securely to a part of your instrument that allows for clear vibration transmission, such as the headstock of a guitar or the bell of a brass instrument. Ensure the display is visible for easy reading.
3. **Power On:** Press and hold the power button (usually located on the side or front) for a few seconds until the display illuminates.

OPERATING INSTRUCTIONS

The WST-623 offers multiple tuning modes. Use the mode button (often labeled "MODE" or similar) to cycle through them.

1. Chromatic Mode

In Chromatic mode, the tuner detects and displays any note played, regardless of key. This is the most common mode for general instrument tuning.

- Select Chromatic mode using the MODE button.
- Play a single note on your instrument.
- The display will show the note name (e.g., C, D, E) and a needle or bar indicator. Adjust your instrument until the needle is centered and the display indicates the correct note.

2. Just Intonation Mode

Just Intonation provides tuning based on pure intervals, often preferred for certain acoustic ensembles or specific musical styles to achieve a more resonant sound.

- Cycle to Just Intonation mode.
- Tune your instrument according to the specific requirements of Just Intonation, observing the display for precise adjustments.

3. Circle of Fifths Mode

The Circle of Fifths mode assists in tuning by showing the relationships between notes in a cyclical pattern of perfect fifths, useful for understanding and achieving specific harmonic tunings.

- Select Circle of Fifths mode.
- Follow the on-screen indicators to tune your instrument based on the circle of fifths principle.

A4 Calibration

The A4 calibration setting allows you to adjust the reference pitch for the note A4. The default is typically 440 Hz, but some musicians or ensembles may require a different reference.

- Press the A4 calibration button (if available, or a combination of buttons) to enter calibration mode.
- Use the up/down buttons to adjust the A4 frequency (e.g., from 430 Hz to 450 Hz).
- Confirm your selection or wait for the setting to automatically save.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the tuner's display and body. Avoid using abrasive cleaners or solvents, as they may damage the surface.
- **Storage:** When not in use, store the tuner in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If the display dims or the tuner becomes unresponsive, replace the CR2 battery. Always dispose of used batteries responsibly.
- **Handling:** Avoid dropping the tuner or subjecting it to strong impacts, which could damage internal components or the display.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tuner does not power on.	Dead or incorrectly installed battery.	Replace the CR2 battery, ensuring correct polarity.
Inaccurate tuning readings.	External noise interference (mic mode) or poor contact (piezo mode).	Ensure you are in a quiet environment. Re-position the clip for better contact with the instrument. Try switching between mic and piezo modes if available.
Display is dim or flickering.	Low battery.	Replace the CR2 battery.
Tuner is unresponsive.	Software glitch or low battery.	Remove and reinsert the battery to reset the device. If the issue persists, replace the battery.

SPECIFICATIONS

Model: WST-623

Tuning Modes: Chromatic, Just Intonation, Circle of Fifths

Detection Method: Built-in Microphone, Piezo Vibration Sensor

A4 Frequency Range: Adjustable (typically 430-450 Hz, check device for exact range)

Power: 1 x CR2 Battery (included)

Item Weight: 0.64 ounces (approx. 18.14 grams)

Product Dimensions: 2.13 x 2.32 x 1.97 inches (approx. 5.41 x 5.89 x 5.00 cm)

First Available Date: October 5, 2011

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries for your Cherub WST-

623 tuner, please refer to the official Cherub website or contact their customer service department. Specific warranty terms may vary by region and retailer. Please retain your proof of purchase for any warranty claims.

You can often find support information and FAQs on the manufacturer's official website: [Cherub Technology Official Website](#) (Note: This is a generic link, please verify the actual support page for Cherub products).