

Cherub WMT280

Cherub WMT-280 3-in-1 Tuner Metronome User Manual

Model: WMT-280

INTRODUCTION

Thank you for purchasing the Cherub WMT-280 3-in-1 Tuner Metronome. This device combines a chromatic tuner, a metronome, and a tone generator into a single compact unit, designed to assist musicians with accurate tuning and rhythm practice. Please read this manual thoroughly to understand the features and proper operation of your WMT-280.

SAFETY INFORMATION

- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.
- Use only the specified battery type. Ensure correct polarity when inserting batteries.
- Keep out of reach of small children.

PACKAGE CONTENTS

Please check that all items are present in the package:

- Cherub WMT-280 3-in-1 Tuner Metronome unit
- User Manual (this document)
- Clip-on pickup (if included with your model)
- Batteries (if included)

PRODUCT OVERVIEW

The Cherub WMT-280 is a versatile tool for musicians. It features a clear display, intuitive controls, and multiple modes to support various musical needs.

Key Features:

- **3-in-1 Functionality:** Tuner, Metronome, and Tone Generator.
- **Wide Tuning Range:** A0 (27.5 Hz) to C8 (4186 Hz).
- **Adjustable Calibration:** 430-450 Hz.
- **Multiple Beat Settings:** For diverse rhythmic patterns.
- **Tempo Range:** 0-208 BPM.

SETUP

Battery Installation:

1. Locate the battery compartment on the back of the WMT-280 unit.
2. Open the battery compartment cover.
3. Insert the required batteries (e.g., 2 x AAA) according to the polarity indicators (+ and -).
4. Close the battery compartment cover securely.

Powering On/Off:

Press and hold the **POWER** button to turn the device on or off.

OPERATING MODES

1. Tuner Mode

The tuner mode allows you to accurately tune your musical instrument.

- **Activating Tuner Mode:** Press the **MODE** button until "Tuner" or a tuning display appears.
- **Tuning Range:** The WMT-280 can detect notes from A0 (27.5 Hz) to C8 (4186 Hz).
- **Input Methods:**
 - **MIC:** Use the built-in microphone to pick up the sound of acoustic instruments.
 - **INPUT:** Connect an electric instrument or a clip-on pickup to the input jack.
- **Calibration (A4 Frequency):**
 - Press the **CALIB** button to adjust the A4 reference frequency.
 - The range is 430-450 Hz, adjustable in 1 Hz increments. The default setting is 440 Hz.
 - Tuning precision is ± 1 cent.
- **Tuning Process:** Play a single note on your instrument. The display will show the note name and a meter indicating whether the note is flat, sharp, or in tune. Adjust your instrument until the meter is centered and the note name is correct.

2. Metronome Mode

The metronome mode provides a steady beat for rhythm practice.

- **Activating Metronome Mode:** Press the **MODE** button until "Metronome" or a tempo display appears.
- **Tempo Adjustment:**
 - Use the **UP** and **DOWN** buttons to set the desired tempo.
 - The tempo range is 0-208 beats per minute (BPM), adjustable in 1 BPM increments.
- **Beat Settings:**
 - Press the **BEAT** button to cycle through different beat patterns.
 - Available beat patterns include: 1/4, 2/4, 3/4, 3/8.
- **Start/Stop:** Press the **START/STOP** button to begin or pause the metronome.
- **Volume Control:** Adjust the volume of the metronome click using the dedicated volume buttons (if available, otherwise assume a general control).

3. Tone Generator Mode (Pitch Pipe)

The tone generator produces reference tones for ear training or manual tuning.

- **Activating Tone Generator Mode:** Press the **MODE** button until "Tone" or a note display appears.
- **Selecting Notes:** Use the **UP** and **DOWN** buttons to select the desired reference note.
- The device will output the selected note at the calibrated A4 frequency.

MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the device in a cool, dry place away from direct sunlight.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears or if the device malfunctions due to low power.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly inserted batteries.	Check battery polarity and replace batteries if necessary.
Tuner is not detecting sound.	Microphone blocked, input cable loose, or instrument too quiet.	Ensure microphone is clear. Check input cable connection. Play instrument louder or closer to the microphone.
Metronome sound is too low or absent.	Volume set too low or speaker blocked.	Increase volume. Ensure speaker is not obstructed.
Inaccurate tuning.	Incorrect A4 calibration or noisy environment.	Verify A4 calibration (default 440 Hz). Tune in a quiet environment.

SPECIFICATIONS

- **Model:** WMT-280
- **Tuning Range:** A0 (27.5 Hz) - C8 (4186 Hz)
- **Calibration:** 430-450 Hz (1 Hz increments), A4=440 Hz default
- **Tuning Precision:** ± 1 cent
- **Tuning Modes:** Chromatic
- **Input Method:** MIC, INPUT
- **Metronome Tempo Range:** 0-208 BPM (1 BPM increments)
- **Metronome Beat Settings:** 1/4, 2/4, 3/4, 3/8
- **Dimensions:** 18.8 x 8.4 x 5.2 cm (7.4 x 3.3 x 2.0 inches)
- **Weight:** 240.4 grams (0.53 lbs)
- **Manufacturer Reference:** WMT280

WARRANTY AND SUPPORT

Cherub products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Cherub website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Cherub customer service through their official website or the contact information provided in your product packaging. Please have your model number (WMT-280) and purchase date ready when contacting support.