

WARRANTY

One (1) Year Limited Warranty and Remedies

Subject to the limitations below, DeltaLab® warrants to the original owner that the components of this product are free from defects in workmanship and materials, subject to normal use and service, for one (1) year from the date of purchase. DELTALAB® MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's application. If the product is defective within the warranty period, user's exclusive remedy and manufacturer's sole obligation will be, at its option, to replace the product or refund the purchase price. Except where prohibited by law, manufacturer and seller will not be liable for any loss or damage

arising from the product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

If you experience any problems with your DeltaLab product, please contact our toll-free customer service team at 1-855-450-3685.

California Prop 65 Warning: This product may contain a chemical(s) known to the state of California to cause cancer or birth defects or other reproductive harm.

All trademarks and registered trademarks mentioned herein are recognized as the property of their respective holders.

Made in China

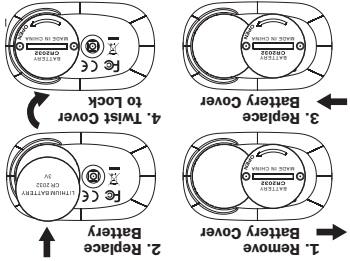
1108-9633



CHROMATIC CLIP-ON TUNER CT-30 OWNER'S MANUAL



WWW.DELTALABEFFECTS.COM



Each DeltaLab tuner is shipped with a fresh standard CR2032 3V button-cell lithium battery. If the screen flashes, replace the battery. Rotate the battery cover counter-clockwise until the compartment opens. Press on the battery edge to pop the battery out. Replace the battery and rotate cover clockwise until it locks. Pay attention to polarity.

BATTERY

This Class B digital apparatus complies with Canadian ICES-003 CET.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Care
Do not use cleaning chemicals or cleaning liquids on the surface of this device. Chemicals may cause damage to the finish or display screen. If cleaning is required, use a soft, dry cloth to wipe the surface.
Foreign Matter
Avoid using this device in close proximity to liquids. Liquids entering the device may cause malfunction, electrical shock or fire. Metal objects or particles can also cause malfunction, electrical shock or fire. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Handling
Do not apply excessive force to buttons or switches on this device. Use of excessive force may cause the device to malfunction.

Interference
Operate this device at a suitable distance from televisions and radios to prevent interference.

Battery
Turn the power switch off when not in use to preserve battery life. Remove battery during extended periods of non-use to prevent battery leakage into the unit.

Environmental conditions
Using the tuner in these conditions may result in tuner malfunction:
• Direct Sunlight
• Extreme temperature or humidity
• Extreme dust or dirt
• Proximity to magnetic fields

PRECAUTIONS/SAFETY



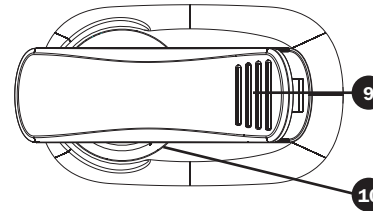
The DeltaLab CT-30 is a full-featured clip-on tuner in an advanced, portable design. The bright, clear display rotates for easy viewing while performing on stage or in the studio.

PRODUCT DESCRIPTION

FEATURES



1. **Power/Play Button** – Turns power on or off. Starts Metronome.
2. **Metronome/Flat Button** – Switches between Tuner and Metronome mode. Flats the Tuning note.
3. **Display** – Shows note, calibration adjustments and tuning meter.
4. **Calibration Frequency Indicator** – Displays current “A” note calibration.
5. **Note Indicator** – Displays current note being played.
6. **Calibration/Tempo Button** – Adjusts tuner calibration or Metronome tempo.
7. **Tuning Guide Indicator** – Provides visual tuning reference for sharp, flat, and “in tune.”
8. **Tuning Meter** – Shows precise indication of current pitch.
9. **Tuner Clip** – Attaches tuner to instrument and picks up vibrations from instrument (for tuning).
10. **Battery Cover**



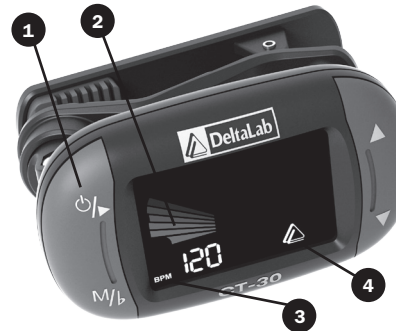
TUNING IN METER MODE

1. Clip the CT-30 on to your instrument in a place where it will pick up the vibrations of the instrument such as the headstock of a guitar.
2. Press the power button to turn the CT-30 on (pressing the power button again for 2 seconds will turn off the CT-30).
3. When the power is turned on, the reference pitch defaults to A = 440 Hz. If you wish to change the reference pitch (calibration), press the Calibration Button up or down to increase or decrease the reference pitch in 1 Hz steps over a range of 415Hz – 466 Hz. Once the pitch reaches 466Hz, it will start over at 415Hz.
4. Play a single note on your instrument. The name of the nearest note will be displayed.
5. Adjust the tuning of your instrument so that the meter moves to the 0 position (center). The tuning meter will be to the left of center if your instrument is flat, or to the right of center if your instrument is sharp.

METRONOME MODE

The CT-30 has a built in visual metronome. The metronome provides a visual reference for keeping time. The LED meter will move back and forth with the time and the DeltaLab logo will flash with the time.

1. Press the power button to turn the CT-30 on (pressing the power button again for 2 seconds will turn off the CT-30).
2. Press and hold the metronome button (M) for 2 seconds until the screen changes to the metronome screen.
3. Select the desired Beats Per Minute (BPM) using the Calibration Button up/down arrows. If you prefer to tap the tempo in, the metronome button also functions as a “tap tempo” button in metronome mode. Simply tap in the tempo that you want.
4. Press the power/play button for one second to start. Pressing the power/play button again will stop the metronome.
5. In order to switch back to tuner mode press the metronome button (M) for 2 seconds.



1. **Power/Play Button** – Starts Metronome.
2. **Meter Display** – Moves back and forth with time.
3. **BPM Display** – Shows tempo in beats per minute.
4. **DeltaLab Logo** – Flashes on and off with tempo.

SPECIFICATIONS

- Indicator:** LED Display
- Tuning Range:** A₀ (27.5 Hz) - C₈ (4186 Hz)
- Tuning Mode:** Vibration
- Response Time:** <20ms
- Precision:** +/- 1 cent
- Calibration:** 415Hz - 466Hz
- Power Supply:** 3 Volt (CR2032 Lithium Battery)
- Power Consumption:** <16mA
- Dimensions:** 2.44”(62mm) Wide x 1.3”(33mm) Deep x 1.5”(38mm) High
- Weight:** .91 oz (26g)