

CARL MARTIN

MANUAL CHROMATIC TUNER

Precautions

- 1) Please read all instructions before operating this unit.
- 2) Please read all safety warnings and instructions, and keep this manual for future reference.
- 3) Do not use this apparatus near water or moisture.
- 4) Do not install near any heat sources or other apparatus that produce heat.
- 5) Only use attachments/accessories specified by the manufacturer.
- 6) Clean only with dry cloth.
- 7) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, does not operate normally, or has been dropped.

DO NOT ATTEMPT TO SERVICE THIS EQUIPMENT. ONLY QUALIFIED PERSONNEL SHOULD SERVICE THIS EQUIPMENT. DO NOT MAKE ANY INTERNAL ADJUSTMENTS OR ADDITIONS TO THIS EQUIPMENT AT ANY TIME OR TAMPER WITH INTERNAL ELECTRONIC COMPONENTS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN ELECTRICAL SHOCK AND WILL VOID THE WARRANTY.

Operating Temperature

Do not expose this unit to excessive heat. This unit is designed to operate between 32F and 104F (0oC and 40oC). This unit may not function properly under extreme temperatures, and should be allowed to return to recommended temperatures before use.



Calib – The seven LEDs on the front of the pedal represent seven different calibrations. Pressing the Calib button, allows scrolling through these settings. The calibration settings of the tuner are from 437Hz to 443Hz with the default value at 440Hz. Disconnecting the power source and then reconnecting will reset the calibration to 440 Hz.

Note – Press the Note button to cycle the display through 0,A,A#,B,C#,C,,D,D#,E,F,F#,G,G#, for individual or 'fixed' note tuning. The chosen note will blink three times indicating the tuner has entered the 'fixed' note tuning mode. In this mode, the far left LED indicates 'flat' tuning, and the far right LED indicates 'sharp' tuning. The LED's blink faster to indicate distance from the note, and blink slower as the tuning gets closer. When neither LED is lit, accurate tuning has been achieved. Holding the Note button for 2 seconds and then releasing, will return the display to '0', and will exit the 'fixed' note mode immediately.

Strobe – The Strobe button selects between ‘Sweep’ or ‘Strobe’ mode. The Tuner will remain in the Mode chosen until the alternate has been selected.

On/Off Switch - This switch determines whether the pedal is ‘active’ or ‘bypassed’ (on/off). This is a ‘True Bypass’ switch.

Mute Switch – This switch will mute the signal when engaged (on), for silent tuning.

INPUT- Using a standard line cable with a 1/4” jack, connect your instrument to this jack.

DC 9V - To use external power (not provided) use only a 9-Volt DC adapter. For details please refer to the section POWER REQUIREMENTS.

OUTPUT - Using a standard line cable with a 1/4” jack, connect this output to the input of your amplifier or next accessory in the signal chain. This is a ‘True Bypass’ output. When the tuner is disengaged (off), your signal will travel directly to your amp or effects chain without tonal sacrifice.

The Battery is located inside the pedal. To install or replace the 9V battery, loosen the screws on the bottom and remove the bottom plate. Be careful not to scratch the unit.

Always remember to unplug your cables from the pedal to conserve battery life. Some battery drain will take place when the line cables are connected to the tuner, regardless if the tuner is engaged or not.

Power Requirements

Battery: Standard 9V Alkaline battery

Power consumption: max. 80 mA

Power supply:

* 9 V DC (regulated), 100 mA minimum

* 2.1 mm female plug, center negative (-)

ATTENTION: Please Use DC Power Supply Only!

Failure to do so may damage the unit and void the warranty.

Specifications

Precision.....±1 cent

Frequency range.....A0(27.5 Hz)-C8(4186 Hz)

Residual Noise..... -85 dB

Indicators.....Calib, Note, Strobe

Connectors INPUT, OUTPUT,DC Adaptor jack

Power Supply DC 9V Adaptor (not included)

Current Draw max. 80 mA (DC 9 V)

Dimensions 120 (W) x 95 (D) x 56 (H) mm

4.72” (W) x 3.74” (D) x 2.2” (H)

Weight..... 420g/ 0.94lbs

Warranty: Carl Martin Research warrants the manufacturing, material and proper operation for a period of one year from date of purchase. Carl Martin will replace defective parts, make necessary repairs or replace the unit at the discretion of our technicians. The warranty applies only to the original purchaser of this product, and excludes any damage or faulty operation resulting from misuse, neglect or unauthorized service.

Manufactured in China

East Sound Research Raadmandsvej 24 8500 Grenaa Denmark Phone: +4586325100

E-Mail: info@carlmartin.com