

Harley Benton

CTG-20 USB Clip Tuner

User manual - Clip tuner CTC-20 USB

This manual contains important information on the safe operation of the device. Read and follow the safety advice and instructions given. Retain the manual for future reference. If you pass on the device please include this manual.

Safety instructions

A) Where to use the product

- Never use the product
- in direct sunlight
 - in conditions of extreme temperature or humidity
 - in extremely dusty or dirty areas
 - at locations where the unit can become wet
 - near magnetic fields

B) Interference with other electrical equipment

Operating the device near radios or televisions may lead to radio interference. Then increase the distance between the devices.

C) General handling

- To prevent damage, never use force when operating the switches and controls.
- Never immerse the appliance in water. Just wipe it with a clean dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents.

D) Keep these instructions!

After reading this manual, retain it for later use.

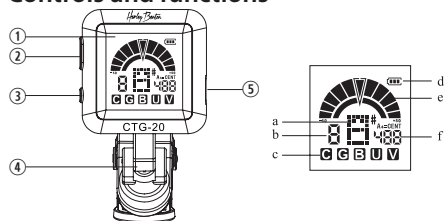
E) Keep foreign substances from the unit!

Keep the device away from containers with liquids. Should any liquid get into the unit, this could lead to its destruction or fire. Be sure not to let any metal objects into the unit.

Features

- USB loadable chromatic Clip-On tuner
- Fast response, bright colour LCD, 360° rotatable
- For chromatic tuning of guitars, bass guitars, violins and ukuleles.
- Calibration 430 - 450 Hz
- High-sensitivity piezo sensor
- Detection range from A0 to C8
- Tuner accuracy +/- 50 cent

Controls and functions



	Tuner
1	Display area
2	On / off button
3	Calibration button
4	Clip
5	USB recharge socket

	Display
a	Note name
b	String number
c	Tuning mode
d	Battery capacity
e	Tuning dial
f	Calibration and cent

Using the device



Clip the unit to the instrument to be tuned with the display face up and well readable for you. Keep button ② pressed for two seconds to turn the device on or off. Press button ② repeatedly to select the desired tuning mode C (chromatic), G (guitar), B (bass), U (ukulele) or V (violin). Use button ③ to shift the reference tone in 1 Hz steps up in a range of 430 - 450 Hz.

If you play a string, the note it is tuned to is displayed. Tune the string to the desired tone. If the mark appears blue and in centre (-3 to +3 cents), the string is in tune. If it appears yellow and left of centre, tuning is flat. If it appears red and right of centre, tuning is sharp. All settings are retained even after turning the unit off.

Technical specifications

Tuning modes:	chromatic, guitar, bass, ukulele, violin
Detection range:	A0 (27.5 Hz) – C8 (4186 Hz)
Tuning accuracy:	± 0,5 cent
Reference tone range:	430 – 450 Hz
Dimensions:	34 × 31 × 79 mm
Weight:	22 g

Loading the battery

If the display brightness decreases you need to recharge the internal battery. Connect the device via the included USB cable to the USB port of a running computer or a USB charger. During charging you see the  symbol. Upon completion of loading the  symbol appears in the display.

Notes: If the device is not used for an extended period, it should be recharged every 6 months in order to not affect the service life of the built-in battery. The charging time is approximately 1.5 hours. A full charge allows an operating period of 5.5 hours.



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.