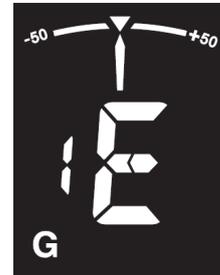
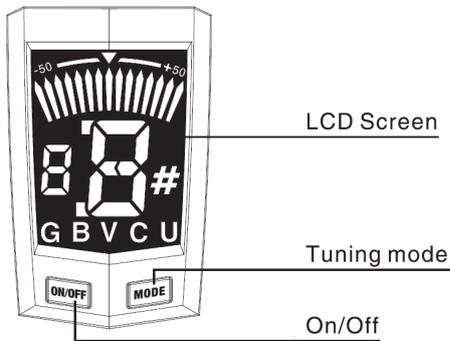


CCT45 CLIP TUNER

(173.269)

User Manual



Tuning status display

Important

- Avoid exposure to high temperature, direct sunlight, moisture, strong magnetic fields and corrosive materials
- Clean only with a dry, lint-free cloth and avoid rough handling or impact
- Remove battery when not being used for long periods of time

Function buttons

- Press the ON/OFF button to switch on the tuner
- The display will illuminate completely and then enter the tuning mode (whichever has been previously selected)
- Press the MODE button to scroll through the tuning modes (instrument types)
- Press the ON/OFF button to switch the tuner off.
- If no buttons are pressed and no tuning vibrations detected for 3 minutes, the tuner will power down automatically

Tuning

- Switch on and select the correct mode for the instrument that requires tuning (see above)
- Clip the tuner onto the instrument where it can pick up vibrations (e.g. on the headstock)
- Rotate the display so that it can be seen during tuning adjustment
- Play a note and check that the display to see if a note is detected
- If no note is detected, adjust the tuning on the instrument or move the clip to another position until a note is detected
- Adjust the tuning on the instrument until the required note is indicated (display shows string number and musical note)
- Tuning accuracy is displayed via a virtual needle which is to the left when the note is flat and to the right when it is sharp
- When the note is exactly in tune, the needle points to the centre and the backlight changes colour to green.
- Repeat the tuning process for all strings and repeat again if strings need settling in or stretching

SPECIFICATIONS	
Power supply	1.5V button cell (CR2032 supplied)
A4 frequency	440Hz
Frequency stability	±0.5cent
Tuning modes	Chromatic, G uitar, B ass, V iolin, U kulele
Tuning range	A0 (27.5Hz) to A6 (1760Hz)
Dimensions (not inc. antenna)	38 x 60 x 43mm
Weight (without battery)	40g

Troubleshooting

Display does not light or lights very dimly	Change battery for a new one
Display freezes and will not respond	Remove and replace battery after 30 seconds and try functions again
Tuner cannot detect notes	Move clip to a new position where vibrations can be detected
	Adjust tuning of instrument up and down in pitch until a note is detected
	Change battery for a new one if suspected to be low on charge