1. Tuner LED Display  6. Presence
2. Tuner LCD Display  7. Note
3. Bass  8. Low Batt. (Low Battery LED Light)
4. Middle  9. Volume Knob
5. Treble  10. Power on/off Button

Tuner Operation

The tuner will work with or without a cable plugged into the output jack.

Pushing the tuner button turns ON the tuner. When the tuner is active
the output signal is muted. No sound will go to the amplifier or mixer
when the tuner is active.

Pushing the tuner button again turns the tuner OFF and the output
signal will be active and sound will go to the amplifier.

If the tuner is ON and the tuner button is not pushed within 2 minutes
the tuner will turn OFF automatically and sound returned to the output.

The tuner note readout display shows the nearest note of one plucked
string's sound. The note readout display read out shows twelve note
possibilities in half steps in “sharps” (for example: A, A#, B, C, C#, D#
and so on). For “flat” notes, for example: Bb (B flat) use A#. For Eb
(E flat) use D#.

Specification

- Tuner LED Display
  - Tuning Guide LED for Sharp tune
  - Tuning Guide LED for right tune
  - Tuning Guide LED for flat tune

- Tuner LCD Display
  - Note Flat
  - Note In Tune
  - Note Sharp

Battery
A 9-volt battery powers the PRENER-LC preamp. Before connecting
the instrument to an amplifier or mixer please check that a fully charged
9-volt battery is connected.

Features:
- 4Band EQ & LCD Tuner
- Input Impedance: 2.2MΩ
- Frequency Response: 20Hz~20KHz
- Control Range:
  - Bass: ±12dB at 60Hz
  - Middle: ±12dB at 500Hz
  - Treble: ±12dB at 3KHz
  - Presence: ±12dB at 10KHz
- Power Supply: 9V Alkaline Battery
- Battery life:
  - Only EQ: Tuner off: Over 700 Hours
  - Tuner on with signal: Over 300 Hours
- Tuner Function:
  - Mode: Auto & Manual Tuning Mode
  - Tuning Note: Chromatic Mode / Guitar Mode
- Functions:
  - LCD Tuner System
  - Chromatic & Guitar or Bass Tuning mode
  - Balance & Unbalance Output Jack
- Pick-up: Piezo ceramic pick-up
- Battery Box: XLR Combo Battery Box
- Dimension: W 58mm X H 98 mm (2.3” x 3.8”)

Caution
- The jack should be plugged for proper Preamp working.
  (TUNER will work regardless plugging jack)
- There is no output sound, please check if tuner or mute is turned on.
- When LCD screen is dim or no display, please check battery life.
- To prevent battery loss, please unplug jack when preamp is not in use.
- Do not disassemble for repair.
- Return to your dealer for service or repair.
- Do not use too much force when operating the control.
1. Contents

- 1. Preamplifier (Preamp)
- 2. Battery Box
- 3. Pick-Up
- 4. Clip
- 5. Screw

2. Tool

- 1. Electric Drill
- Drill Bit (2.3mm or 3mm)
- Phillips Screwdriver
- Router and Grinder (cutting-edge 3mm)
- Round File
- Masking Tape

2. Drilling hole for pick-up

3. Insert EQ and battery box into hole of guitar.
4. Fasten screws properly.

5. Put plugs into jacks.

6. Installing the pick-up

- Cut out the hole with template
- 30°~45°
- 3mm

7. Fix wire with clip.

Solution

1) When there is no sound or sound is stopped,
- Check guitar cable, amp or Mixer.
- Check if there is battery or not. When it happens noise or distortion, please exchange battery.
- Check if the pickup and battery connector is connected correctly or not.
- Check if output jack is connected correctly.

2) When there is hum-noise,
- Check the pickup is connected well or not.
- Check if the connectors are connected to correct position well or not.

3) Some causes of the balance problem
- When the bottom of saddle or the groove of saddle is not flat.
- When saddle is installed to the groove of saddle loosely.
- When the connection is not good between the bottom of saddle and the groove of saddle.
- When Saddle is very short.
- When there is grounds on the groove of saddle.
- When Saddle is declined toward front or back.
- When the top of guitar is bended.
- When the pickup is installed to only a part of the groove of saddle.
1. Print this file without scaling option.
2. Check the size with actual ruler.
3. Cut out the dotted line or desired model.
4. Adhere to location using double stick tape.
5. Cut following solid line using a cutter.