

Technical Specifications TP-4T

Power Supply: 9 Volt

Output: 450mV

EQ Control:

BASS (60Hz):	± 9 dB
MIDDLE (600Hz):	± 10 dB
TREBLE (10KHz):	± 12 dB

Low Battery: 6.7 Volt

Current: 4mA (tuner 13mA)

Auto chromatic Tuner

Tuning Range: C1(32.703Hz)~B7(3951.07Hz)

Accuracy: ± 1 Cent

Tuner auto off time: 2 minutes

Tuner switch function:

Single Press of tuner switch: TUNER ON

Second Press of tuner switch: CALIBRATE TO PITCH

Press and Hold Switch: TUNER OFF

Takamine

**TP-4T
Preamp**



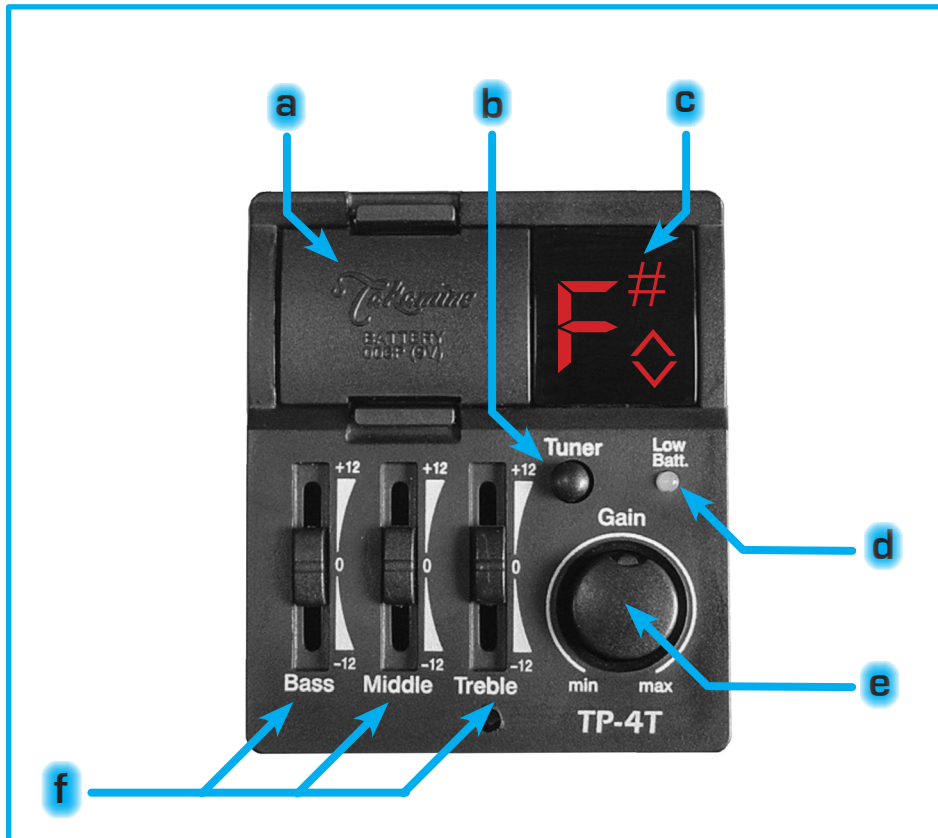
Owner's Guide

Get the Most from Your Guitar

The Takamine TP-4T acoustic guitar preamp is designed specifically for your Takamine guitar to provide the flexibility and control you need in almost any performance or recording environment. The no-nonsense approach to functionality results in an amazingly transparent, responsive, and easy-to-use preamp that will let you “dial in” your sound in moments.

The Anatomy of the TP-4T

The Takamine TP-4T preamp is designed to be easy to use, yet flexible enough any application. Please refer to the figure below which will provide you with an easy reference for the function and use of each control and feature.



a Battery Tray Releases: Pinching the tabs of the battery cover toward each other to remove. This provides access to the battery compartment. When inserting new batteries align the battery's polarity with the markings inside the battery compartment.

b Tuner: This button controls the built-in tuner's on/off function. Simply press the button once to activate the tuner (even if the guitar is not plugged in) and the tuner display **c** will light. When you play a string the tuner will display the note name of the pitch you're playing. Then, simply adjust the pitch of your strings in the direction of the flashing up or down arrow to the right of the note name. As you approach the correct pitch, the flashing speed slows until you are in tune and both the arrows illuminate to form a diamond.

When the tuner is active, pressing the tune button a second time enables you to tune to a arbitrary reference pitch. For example, if you are attempting to play with some other out-of tune instrument, tune one string of your guitar to that instrument while the tuner is on. Once tuned, press the Calibrate button and the tuner will adjust its reference frequency allowing you to tune the rest of your strings accurately. When the tuner is turned off, it will revert to the standard A=440Hz setting.

To save battery power, the tuner will automatically turn off after about two minutes of operation and may be reactivated by pushing the tuner button again. If you finish tuning before the tuner automatically turns off, you may turn off the tuner manually by simply holding down the tuner button for at least two seconds.

d Low Batt LED: A circuit within the TP-4T tracks the life of your battery. When your battery voltage becomes low enough the begin to affect the quality of your sound, this LED will illuminate.

e Volume: Turning this control clockwise increases the output level of the preamp.

f EQ Controls: The TP-4T features a three-band equalizer that allows precise tonal adjustment with a maximum of 12dB (decibels) of boost or cut. Each slider enables you to increase or decrease the power of sound in a designated spectrum. The “Low” controls works in the bass range, the “High” works in the treble range, while the “Mid” control will allow you to adjust the boost/cut at a mid band center frequency especially chosen to give the most appropriate harmonic control possible.