Mid Contour: This switch, when engaged, will activate a preset EQ curve that will offer a great starting point for "dialing in" your sound. All other EQ controls (unless bypassed) will still act normally in tandem with this circuit.

Technical Specifications TK-40

Power Supply: 9 Volt
Output: 220mV

EQ Control

BASS (60Hz):	± 10 dB
MIDDLE(400Hz):	± 3 dB (Mid Switch OFF)
MIDDLE(800Hz):	± 6 dB (Mid Switch OFF)
MIDDLE(400Hz):	± 13 dB (Mid Switch ON)
MIDDLE(800Hz):	± 8 dB (Mid Switch ON)
TREBLE(10KHz):	± 12 dB

Low Battery: 6.7 Volt

Notch Frequency: 65~105Hz

Current: 4mA (tuner on 13mA)

Auto chromatic Tuner

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

Publication Number:

Takamine

TK-40 Preamp

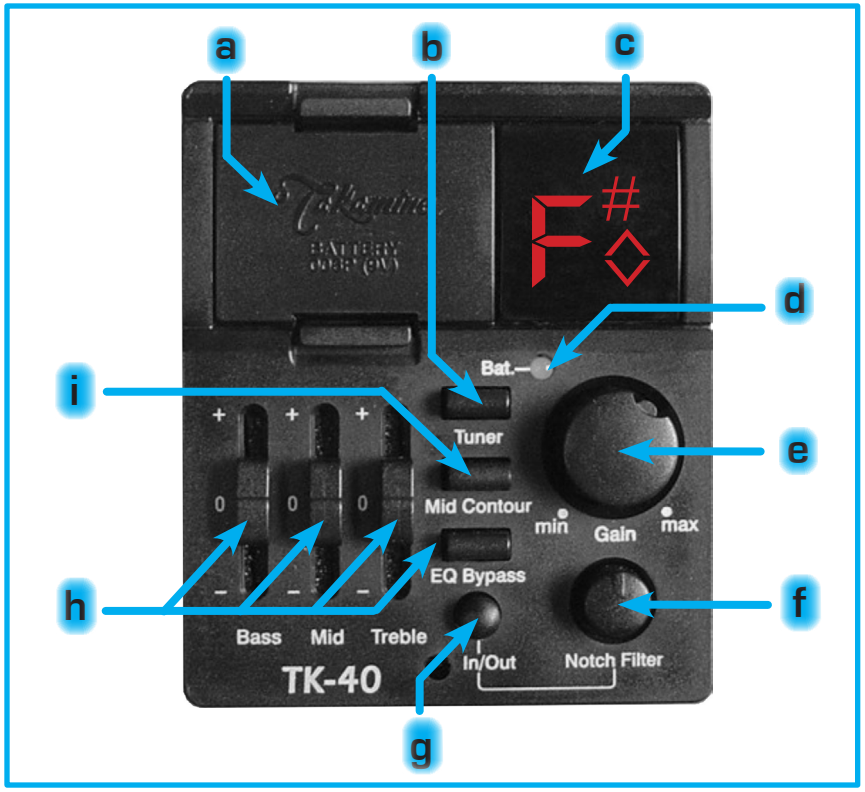
Owner's Guide

Get the Most from Your Guitar

The Takamine TK-40 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 TK-40

The Takamine TK-40 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 otherto 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 TK-40 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 **Notch Filter:** This control allows you to tune a sharp built-in filter that will eliminate an undersirable feedback note. Push the the in/out switch to the down position to activate the filter if you experience acoustic "feedback." Then tune the filter until the feedback disappears. The rich sound of your guitar will not be affected.

h **EQ Controls:** A three-band equalizer allows tonal adjustment with a maximum of 12dB of boost or cut 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. The EQ Bypass switch, to the right, allows you to take the equalizer out of the signal processing chain for an unaltered "direct" sound, ideal for external equalization. The Mid Contour circuit, if selected, will remain active (see below).