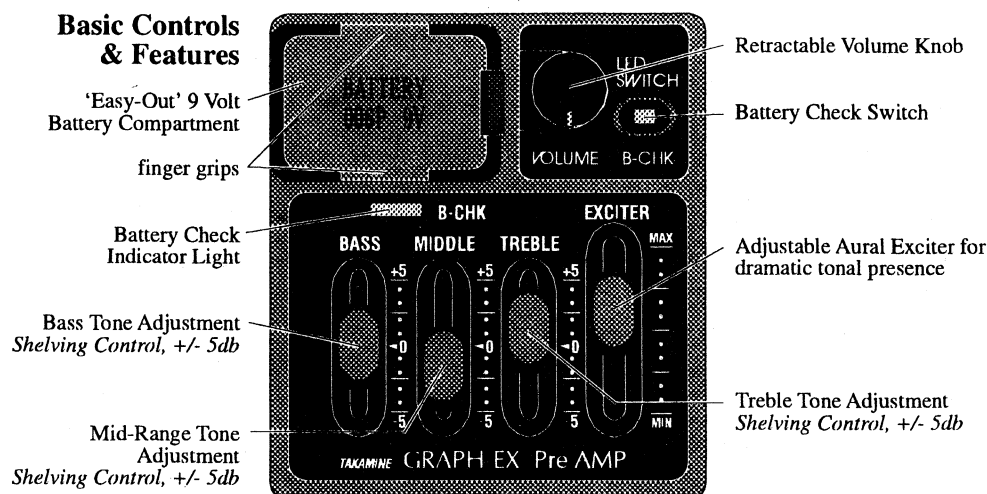
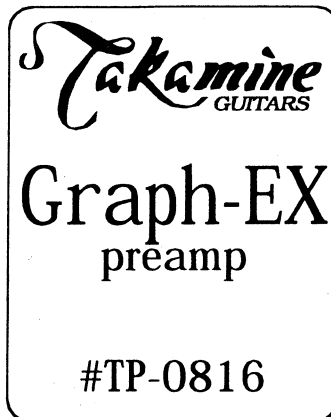


# THE TAKAMINE GRAPH-EX PREAMP TOTAL TONAL CONTROL.



## GRAPH-EX PREAMP FEATURES

1. The **'Easy-Out' Battery Compartment** makes changing the 9-volt battery simple. By releasing the 'latch' on the top of the compartment cover, the battery case slides out by grabbing the 'finger grips' on either side the cover. Position the 9-volt battery in the case as indicated by the + symbol, (on the latch side of the battery case).

2. The **Battery Check Switch** allows the player to quickly test the available 'power' of the user-installed 9-volt battery. The **Battery Check Indicator Light** will illuminate once the Battery Check switch is depressed. The indicator light will glow brightly when the battery is fully-charged or new. This light will become noticeably dimmer as the battery's charge grows weak, thereby alerting the player that it is time to change the battery.

3. Guitar output volume, or *gain* is controlled by the **Volume** knob. Once a player's desired volume is set, this knob can be retracted into the preamp by pushing it down until it clicks. This feature prevents the player from accidentally bumping the volume control out-of-position while playing, or losing a desired setting when moving the guitar from place to place. By simply pushing down the volume knob again, it will 'pop up' for easy adjustment.

4. Tone adjustment for the Graph-EX is divided into the three most desired ranges for acoustic guitar sound control: **Bass**, **Middle**, and **Treble**. Each of these sliders allow the player to increase, or decrease each frequency range (or *shelf*) 5 decibels, to 'color' the sound, or to help control feedback problems. The center of each slider is the 'zero point', and the user will hear no change in tone at this setting. By sliding each knob towards the +5 position, the tonal range (**Bass**, **Middle**, or **Treble**) will be enhanced respectively. By decreasing each knob towards the -5 position, each range will be reduced similarly. For best sound performance, it is advised to think 'subtractively' when adjusting guitar tone. This means reducing the tone(s) that you do not desire *first*, then enhancing the tone(s) you *do* want from there. If all sliders are positioned on the minus (-) side of the zero point, this will make your output signal weaker. Conversely, if all sliders are positioned on the plus (+) side of zero, this will increase your output signal. Sliders pushed all the way to the +5 position may cause some sound distortion. Try to balance your chosen slider settings above and below the zero point.

5. The **Exciter** is a dynamic signal processor commonly used in professional recording studios. By adjusting the **Exciter** control from Minimum to Maximum, the guitar sound will increase in presence and clarity by extending the harmonics of the guitar signal. The player can adjust the amount of **Exciter** processing to his/her listening preference, or to better blend with other players in performance.