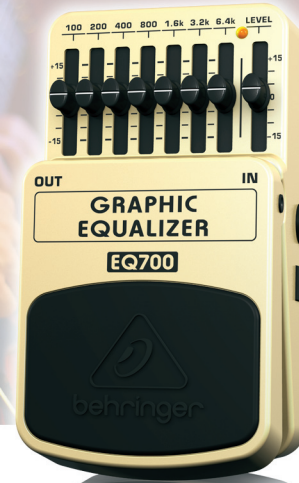


GRAPHIC EQUALIZER

EQ700

Ultimate 7-Band Graphic Equalizer



- Shape your sound and eliminate feedback with 7 bands of equalization
- This BEHRINGER product has been designed to compete head to head with leading products on the market
- Wide frequency range from 100 Hz to 6.4 kHz with a powerful 15 dB boost/cut per band
- Status LED for effect on/off and battery check
- Runs on 9 V battery or the BEHRINGER PSU-SB DC power supply (not included)
- First-class electronic on/off switch for highest signal integrity in bypass mode
- 3-Year Warranty Program*
- Conceived and designed by BEHRINGER Germany

Master of Tone

With 15 dB of available boost or cut per band, the EQ700's seven frequency bands were carefully optimized to provide the ultimate tools for EQ'ing your guitar. Of course, to make full use of the EQ700's capabilities, it helps to first understand some basics about the frequency range of your axe.



The EQ700 covers the audio spectrum from below 100 Hz to over 6.4 kHz, allowing you to effectively cut or boost a slew of frequencies to help bring focus to your sound. Special attention has been paid to the critical midrange frequencies, which can easily make or break your tone. The following section offers tips that will have you sculpting the perfect guitar sound in no time at all.

How Does Equalization Work?

Imagine the audio frequency range as a very wide highway with lots of "lanes". Each of these lanes represents a specific frequency band.

- The lanes on the left side contain the really low frequency content, mainly bass, bass vocals, and the kick and tom drums
- The middle lanes make up the fundamental zone of most musical instruments and the male and female vocals
- The right-hand lanes have all the high-frequency stuff, such as snare drums, cymbals, higher pitched percussion instruments and the content that adds sizzle to the mix



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Applying EQ to the Guitar

Most acoustic and electric guitar energy lies between 100 Hz and 6.4 kHz. Even slight changes in this range can cause a tremendous variation in overall energy and impact, as the human ear is especially sensitive to this range. Boosting frequencies around 200 Hz - 400 Hz often provides warmth and body, while boosting frequencies in the 3.2 kHz - 6.4 kHz range adds clarity to clean guitar signals. Depending on the amount of distortion, this same range can ruin the sound of an overdriven electric guitar by adding harsh harmonics. One of the most common mistakes is adding too much bass to acoustic guitars. If the low frequencies are boosted excessively, acoustics can easily get lost in the overall mix. Most acoustic guitars are also prone to feedback in the 200 Hz - 400 Hz range. A general rule of thumb – the best results are often achieved by finding and reducing the frequency bands that are offending, and then turning up the overall volume, rather than boosting one specific band.

How the specific frequency bands of the EQ700 can shape your sound:

- **100 Hz (low bass)**
Boost: To add fullness, especially with clean electrics
Cut: To reduce muddy or boomy tone and control acoustic guitar feedback
- **200 Hz (soft bass)**
Boost: To increase warmth and provide a slightly harder sound
Cut: To increase clarity and reduce feedback in acoustic guitars
- **400 Hz (hard bass)**
Boost: To add definition to rhythm parts
Cut: To reduce feedback in acoustic guitars (major feedback zone for piezo-equipped flattops)
- **800 Hz**
Boost: To add aggressive edge to overall sound
Cut: To reduce nasal or horn-like content, often called “cheap guitar” syndrome
- **1.6 kHz**
Boosting: Makes guitar cut through mix and creates more distinctive plucked tone
Cutting: Eliminates dullness and competition with vocals (vocal fundamentals typically range from 1.0 kHz - 2.5 kHz)
- **3.2 kHz**
Boost: To add significant attack and creates even more distinctive plucked tone
Cut: To eliminate harshness
- **6.4 kHz**
Boost: To add edge and increase brightness
Cut: To soften thin-sounding guitars and remove string squeak

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Sound Value

The EQ700 offers more features than anything in its class – and it's kind to your wallet! From its easy-to-use controls, to its noise-free On/Off switch – the EQ700 will keep you solidly in the zone. Try one out at your local dealer, and see just how good you and your guitar can sound.



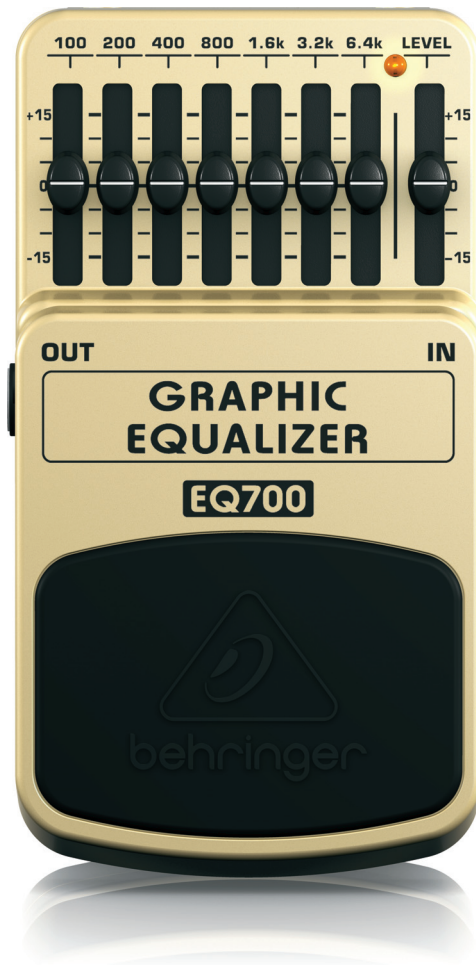
You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC Group factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous 3-Year Warranty program.

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