

## Bass Stompboxes

## BEQ700

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 50 Hz to 10 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 noise-free operation
- 3-Year Warranty Program\*
- Conceived and designed by BEHRINGER Germany

## Master of Tone

With 15 dB available boost or cut per band, the BEQ700's seven frequency bands have been carefully chosen to provide the ultimate tools for EQing the bass guitar, even extended range instruments. Of course, to make full use of its capabilities, you should first understand some basics about the frequency range of your axe.



The BEQ700 covers the audio spectrum from below 50 Hz to over 10 kHz, allowing you to effectively cut or boost specific frequencies that help focus your sound. Special attention has been paid to the critical midrange frequencies, which can either make or break your sound. The following section offers tips that will have you sculpting the perfect bass 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 Bass Instruments

When frequencies from 20 Hz - 200 Hz are boosted or cut, the bass is affected dramatically, since sounds in this range are often felt, as well as being heard. Boosting frequencies within this range can increase the sensation of power and punch. Conversely, reductions in this range can weaken or muddy low-frequency response.

The fundamental notes of most basses fall within the 40 Hz - 1000 Hz range. Even slight changes in this range can cause a tremendous variation in overall bass energy and impact, as the human ear is especially sensitive to this range. Boosting frequencies around 200 Hz often gives the bass warmth and body, without a loss of definition, while boosting frequencies in the 500 Hz to 1000 Hz range tend to make bass sounds brittle. Often, better EQ results can be achieved by reducing the frequency bands that are offending, and by turning up the overall volume rather than boosting one specific band.

### How the specific frequency bands of the BEQ700 can shape your sound

- **50 Hz (sub-bass)**  
**Boost:** To thicken up sub-bass content, which is mostly felt rather than heard  
**Cut:** To eliminate stage "rumble" and sub-bass content that can rob sound system power
- **120 Hz (soft bass)**  
**Boost:** To enhance the lower end of the bass spectrum  
**Cut:** To reduce the tendency of low frequency content to overwhelm a small room
- **400 Hz (hard bass)**  
**Boost:** To enhance the "hard" bass punch of fundamental tones  
**Cut:** To reduce punch for better linkage with the kick drum
- **500 Hz**  
**Boost: or Cut:** To control clarity and warmth
- **800 Hz**  
**Boost:** To add an aggressive edge to the overall bass sound  
**Cut:** For reducing somewhat nasal or horn-like content
- **4.5 kHz**  
**Boost:** To make the bass cut through the mix. Creates a more distinctive plucked tone  
**Cut:** To eliminate harshness
- **10 kHz**  
**Boost:** To bring out the upper harmonics and add edge to the overall bass tonality  
**Cut:** Apply a cut to reduce harsh high-frequency content or hiss

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## Sound Value

The BEQ700 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 BEQ700 will keep you solidly in the zone. Try one out at your local dealer, and see just how good you and your bass 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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