

DSPeaker

Anti-Mode 8033



Automatic Subwoofer Equalizer

Automatic Room Correction Is Finally Reality



Audio professionals and home theater enthusiasts have known it for a good while: poor room acoustics can spoil otherwise perfect sound reproduction. Perhaps the most significant challenge is how to deal with standing waves (also known as room 'modes') which appear at low frequencies in every listening room. When audio is played back in a typical room, bass output may get severely distorted. Adjectives such as 'slow' and 'boomy' are commonly used to describe the characteristics of such sound.

The phenomenon of standing waves is closely related to dimensions of the listening room as well as construction materials used. Because sound waves on low frequencies contain high amounts of energy, this problem is very difficult to address by using physical acoustic treatment alone. In many cases, the efficiency of traditional treatment doesn't live up to expectations. This is why the application of electronic correction has been gaining popularity. With a versatile parametric equalizer, careful and accurate measurements of the listening room and a skilled expert to perform the adjustments, one can indeed achieve very good results.

However, the equipment required for electronic room correction can be expensive, let alone the fact that not everyone is (or wants to be) an expert in audio and room correction. Luckily, there's no need for that anymore! Since the introduction of Anti-Mode 8033, room correction is now easy, highly efficient and affordable.



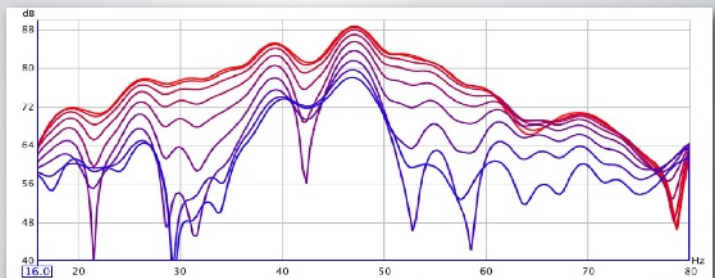
Don't let the compact size fool you. Anti-Mode 8033 is packed with state-of-the-art DSP-hardware and sophisticated signal processing algorithms.

Unparalleled Efficiency and Ease of Use

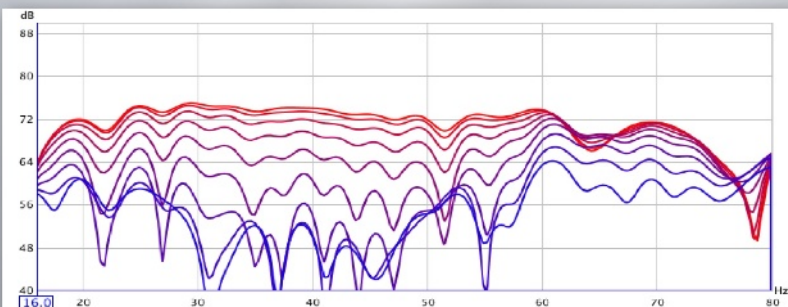
Equipped with state-of-the-art anti-modal algorithm and modern digital signal processing hardware, equalization can be performed using the highest accuracy and efficiency. To ensure optimum results, Anti-Mode 8033 operates in both amplitude and time domain. It supports single and multiple point calibration. You can place your subwoofer practically anywhere in the room and still enjoy fast and controlled bass playback. In fact, what used to be the worst placement (typically in the corner of the room) might turn out to be the best after the correction has been applied!

Anti-mode 8033 is capable of performing up to 24 arbitrarily steep filters to tame even the most challenging room modes.

Finally the most important thing: it is extremely easy to use. To calibrate, simply take the measurement microphone (always included with the product) to your typical listening position, press a button, wait a couple of minutes and you're done!



Bass response measurement in a real listening room. Room modes are clearly visible and will have a huge negative impact on sound quality.



Automatically corrected response. Notice the dramatic improvement in decay times (blue curves).

Press Quotes

"In summary, the DSPeaker Anti-Mode is a dandy little device for taking care of the major influences of room modes. It is incredibly easy to use and reasonably priced"

Stereophile, January 2009

"Bass rhythms became tighter and unwanted 'thump' was lessened, making the bass more fluid and natural"

HI-FI World, August 2008

"Calibrated subwoofer sounded clearly more balanced and accurate. Also the integration to the main speakers improved, and localization of the subwoofer diminished"

"Anyone can use it, and the result is always consistently successful"

Hifimaailma, January 2008

(translated from finnish)

Visit www.DSPeaker.com



Correction Range	16-144 Hz	Width	5" (126 mm)
Accuracy	1/82 oct.	Height	1 1/10" (28 mm)
Custom Filters	24	Depth	3 1/7" (80 mm)
Arithmetic	40 bit	Weight	0.51 lbs
Frequency Response	5-160 Hz (+/-3dB)	Input Connector	1 x RCA
Dynamic Range	90 dB unweighted	Output Connectors	2 x RCA
THDN	>60 dB	Microphone	1 x 3.5 mm jack
Input Sensitivity	1.75 V	Microphone Cable Length	16.4 ft (5 m)