

DSPeaker

ANTI-MODE™ X4

The new DSPeaker Anti-Mode X4™ preamplifier/DAC combines an uncompromising selection of audio electronics with more than a decade of expertise in acoustics and signal processing. It was designed with one purpose in mind: to elevate to a new high what is possible in stereo sound reproduction in the domestic environment.



The idea of the industry-leading automated Anti-Mode™ room calibration is simple: to make the loudspeakers and subwoofers work together with the room acoustics, instead of clashing against it, in order to produce the best possible sound. The benefits of the Anti-Mode correction include vastly improved clarity, tighter and deeper bass reproduction, the absence of unwanted "boominess", and seamless integration of the main speakers and subwoofers.

The installation procedure is automated. Anyone can achieve superb results without any prior expertise or knowledge. After a brief calibration process Anti-Mode knows your listening space in great detail and designs custom filters required for your unique space. You may be very surprised to hear what your loudspeakers can do!

The Anti-Mode X4 covers a wide variety of use scenarios, ranging from the traditional "2.0" two-speaker configuration to more exotic installations featuring a number of subwoofers with multiple listening seat optimizations. The best cross-over frequency is automatically determined for speakers and subs.

In addition to the automatic correction, the user has full reign over extensive tone controls and custom filters. The preferred sound signature can be altered even in real-time, from the convenience of your listening seat. Different settings can be stored in memory for a quick recall at any time. Most functions can be accessed with the supplied full-aluminum remote or using the control wheel located at the front panel.

A modern, easy-to-use graphical user interface is provided. Room response graphs can be inspected in full detail without the need to resort to personal computers or other additional equipment. A built-in graphic design tool is included for all types of sound enhancements.

Three high-end stereo digital-to-analog converters (DACs) are driving the primary, auxiliary, and headphone outputs. Combined with output range control and picking the best converters using an IC tester, the XLR outputs reach 126dB dynamic range and less than 0.0008% total harmonic distortion. Both primary and auxiliary outputs are active simultaneously for speakers and subs, available in both XLR and RCA. The signal of the primary output is also provided as optical and coaxial SPDIF.

The headphone output is available for night-time listening and when you don't want to disturb your household or neighbors. Headphone mode features a proprietary auralization technique which can make many recordings sound more natural and reduce listening fatigue.

Input connections are plentiful. The two stereo RCA and one stereo XLR analog inputs provide SNR+THD of -104dB. Whatever audio source you connect, the input range control selection allows you to gain full performance. Total of six SPDIF inputs and the USB Audio 2.0 input support up to 192kHz and DSD64 / DSD128 (on USB).

Power consumption in stand-by mode is mere 0.5W which helps saving both money and the environment.

You can choose between black/grey and silver/black enclosures to seamlessly integrate the Anti-Mode X4 into your home system.

Interfaces

- 2x stereo RCA, 1x stereo XLR input
- 3x optical and 3x coaxial inputs
- USB Audio 2.0 input
- Primary Output: stereo RCA, stereo XLR, Optical Toslink, and Coaxial S/PDIF
- Auxiliary Output: stereo RCA and stereo XLR
- Microphone input, Headphone output
- Control wheel with a button, IR Remote

Firmware Highlights

- Anti-Mode 3.0 room calibration algorithm
- Automatic cross-over frequency optimization (US Pat. 9,955,261)
- Extensive tone controls and user-defined parametric equalizers

Analog Specifications (typical)

- Primary XLR: Dynamic Range: 126 dB, Total Harmonic Distortion: < 0.0008%
- Analog Input, XLR, SNR+THD: -104dB
- Frequency Response: 20...20000Hz \pm 0.07dB
- Input Voltage max RCA: 2.5 / 4.4 / 6.2 Vrms, XLR: 2.6 / 5.2 / 12.4 Vrms
- Output Voltage max RCA: 3.2 / 6.4 Vrms, XLR: 6.4 / 14.0 Vrms
- Power consumption: 25W, stand-by: < 0.5W

Mechanical

- Color Options: Black and Silver
- Weight: 4.5kg
- Dimensions: 436mm x 70mm x 295mm
- Remote Controller, Microphone stand, and Measurement microphone included