

The Ultimate Home Theater Component

The Audyssey Sound Equalizer Balanced enables home theaters to sound the way they were intended.

AUDYSSEY

The room causes problems

The best designed speakers suffer from interactions with the room they are in. Low frequency standing waves and high frequency reflections from coffee tables, chairs and other surfaces cause distortion. MultEQ XT is an advanced automatic room correction system that measures the room and corrects for these acoustical problems throughout the listening area.

Sound Unmasked

When you experience Audyssey technology, a cloudy layer is lifted away, leaving only clear, accurate and natural sound. Voice and dialog become focused and intelligible, musical balance is restored, musical instruments and sound effects become precisely localized, and the surround soundstage is made seamless and enveloping.

Every seat is now the best seat in the house

Until now, world-class sound was limited to the best theaters. Now, with Audyssey MultEQ XT, you can hear accurate, enveloping, distortion-free sound in a large listening area and not just one spot.

MultEQ XT fixes time and frequency problems

MultEQ filters start in the time domain. This is a radical departure from traditional EQ methods that have relied on a few parametric bands and operate only in the frequency domain. Instead, MultEQ XT uses thousands of points to create an equalization solution in both the frequency and time domains. It also uses advanced signal processing methods that focus the filter power automatically where it is needed the most with particular emphasis in the low frequencies. Result—room correction that truly removes acoustical problems.

Multi-zone calibration: Improves sound in up to four separate rooms

The Sound Equalizer Balanced can be configured for up to 8 channels in a single room or in multiple rooms. For instance, if the main listening room has a 5.1 system, then another room with a 2.0 system can be calibrated separately. Four 2.0 channel rooms or any configuration of up to 8 channels can be set up.

Low frequency correction

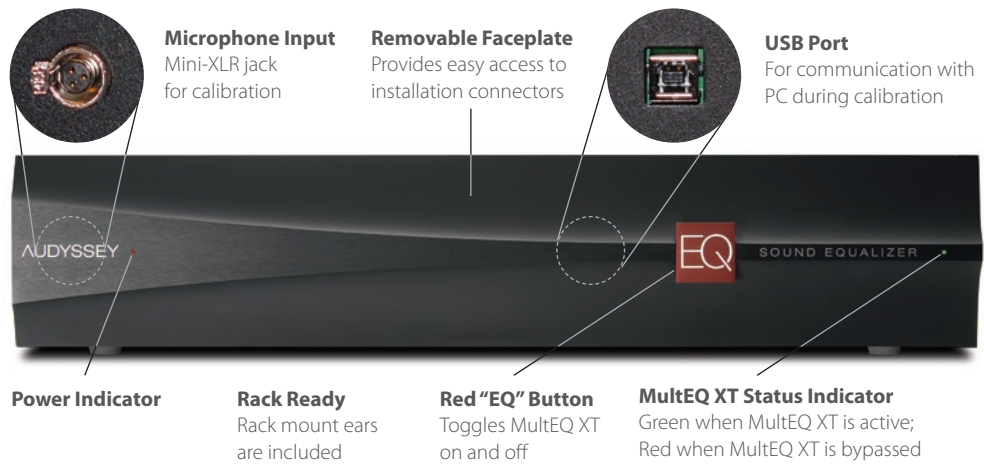
MultEQ Pro uses the most advanced low frequency calibration method available anywhere. This method analyzes the frequency, time and phase response of the satellites, subwoofer and bass manager to create the best possible EQ and system settings—no suckout, no frequency response anomalies and no smearing. It also uses a very high resolution room correction filter for the subwoofer channel.

Professionally installed for optimum results, the Audyssey Sound Equalizer Balanced is available through fine professional installers.

Ask your local reseller about buying the Audyssey Sound Equalizer Balanced.

For more information:

Web: www.audyssey.com
E-mail: sales@audyssey.com
Tel: (213) 625-4300



Power Indicator
Rack Ready Rack mount ears are included
Red "EQ" Button Toggles MultEQ XT on and off
MultEQ XT Status Indicator Green when MultEQ XT is active; Red when MultEQ XT is bypassed



On/Off Switch **RS-232 Port** **Test Port** **Analog Inputs** 8 female XLR jacks connect to preamplifier/processor

Dimensions (2RU): Width: 17.125 in (43.4 cm); Depth: 11.625 in (29.5 cm); Height: 3.5 in (9.3 cm) | **Weight:** 15.5 lbs (7.03 kg)
Hardware Included: Rack mount ears, 8 XLR to RCA output connectors (for integration with unbalanced amplifiers), power cord

Audyssey Sound Equalizer Balanced | Summary of specifications

Analog Input:	8 balanced channels using XLR female connectors (pin 2 positive)
Input Impedance:	47 kΩ each leg to ground
Maximum Input:	Differential: 4.0 Volts RMS (across pins 2 & 3) Single-ended: 2.0 Volts RMS (across pins 2 & 1)
Analog Output:	8 balanced channels using XLR male connectors (pin 2 positive)
Maximum Output:	Differential: 11.28 Volts RMS (4.0 Volts + 9 dB, across pins 2 & 3) Single-ended: 5.64 Volts RMS (2.0 Volts + 9 dB, across pins 2 & 1)
Frequency Response:	± 0.25 dB, 20 Hz to 20 kHz
S/N Ratio:	> 108 dB (typical), A-weighted, re: 4.0 Volts RMS
Measurement Locations:	Up to 32
Line Voltage:	100 V AC, 120 V AC, 220 V AC; 50/60 Hz

MultEQ XT corrects the distortions caused by room acoustics. The result is a response that accurately matches the selected target curve, enabling you to experience sound as it was intended.

