

Black Box

Black Box Stereo Analog Controllers are designed to provide optimum performance and flexibility for selected MacPherson loudspeakers. Each controller has been carefully configured to work with a specific loudspeaker system, providing crossover, equalization, and level-matching functions for the best possible audio performance. Black Box units feature two inputs and five outputs. Intended to support stereo bi-amp operation, four of the outputs are associated with the two main sections. These sections provide both a low-frequency and high-frequency output. The fifth output is associated with the subwoofer section. Individual limiters are available for use by each of the five outputs. They can be user-configured to match the specific needs of an application. Each output also contains an individual mute switch, gain control, and phase-reverse switch, as well as a tri-color LED to indicate signal presence, limiting, and clipping. The single rack-space design includes electronically balanced inputs and outputs, automatic output muting to eliminate transients, and internal power supply.



- Features**
- Product-specific crossover, EQ, and limiters
 - Individual section controls
 - Electronically balanced inputs and outputs
 - Mono subwoofer output
 - Smooth limiting
 - Tri-color LED indicators
 - Extremely accurate and quiet
 - Single rack space
 - Automatic output mutes for power-up / power-down

Black Box Specifications

Input Impedance

10k ohms, electronically balanced

Input Level

0dBu, nominal; +21dBu, maximum

Gain / Attenuation

±6dB, adjustable

Output Impedance

100 ohms, electronically balanced

Output Level

0dBu, nominal; +21dBu, maximum

Filters

Linkwitz-Riley type, 24dB-per-octave, asymmetrical

Crossover Frequencies

Product specific

Limiter

VCA-based, 10:1 ratio, attack and release time optimized for each product

Noise

-92dBu at any output, 10Hz to 20kHz, unweighted

Distortion

Less than 0.05% at +4dBu

Crosstalk

-70dB, 20Hz to 20kHz

Weight

8.0 pounds (3.6kg)

Mounting

One 19-inch rack space

Mains Power

115/230V, 50/60Hz, 30W

Warranty

Three years from date of original purchase

Technical specifications subject to change without notice.

