

OAP Audio Stage Monitor Series



**Solutions for Houses of Worship, Boardrooms, Classrooms,
Restaurants, Lounges, and Live Stage Applications.**

GENERAL

Our stage monitor series of products has been designed after many years of research and development with input from audio engineers, working musicians, and entertainers. Great detail in quality has been given not only to sonic characteristics, but also to ergonomics and reliability. The same construction techniques and quality of components and material are used throughout the entire line, regardless of the application or price point. 3/4" birch plywood is used for all enclosure panels. To ensure structural integrity, all panels are braced internally. After enclosure assembly, all surfaces are sanded and two coats of smooth chemical coating is applied as a primer coat. An additional two textured coats are applied for durability. Standard color is black, with white also available. A smooth, sanded finish can also be ordered for user supplied finishes. All hardware is recessed for transport durability. To protect the transducers, an epoxy coated 16-gauge perforated steel grill is used.

WARRANTY: OAP Audio loudspeaker systems are guaranteed against failure due to workmanship and materials for a period of five (5) years from date of purchase and is limited to original purchaser. If such failure does occur, unit will be replaced or repaired (at the discretion of OAP Audio) without charge for labor and materials. Unit must be delivered to OAP Audio or one of our authorized service facilities prepaid. In warranty items will be returned prepaid. Items not covered by warranty includes finish or appearance items, or failure due to operation under other than specified conditions. This warranty also does not include any incidental or consequential damages. Repair by other than OAP Audio or an authorized service facility will void this guarantee.

Note: As a research and development corporation, OAP Audio reserves the right to change specifications to improve performance.

SM-183



Today's percussion and keyboard musicians are often challenged to compete on stage with high spl guitar and bass amplifiers. There has been a problem monitoring the wide frequency range of percussions and keyboard instruments. Several speaker systems are usually combined to monitor these instruments. To meet this challenge, OAP Audio has developed the SM-183. Using a massive 18" 800 watt woofer loaded into a fourth order enclosure the SM-183 reproduces the critical low frequencies of which kick drums and electronic keyboard instruments are capable. The mid and high frequencies are reproduced by a 600 watt 12" coaxial speaker with a 100 watt 2" throat compression driver. This point source approach has the advantage of much better phase response and gain before feedback when reproducing the wide frequency range of percussion and keyboard instruments, as well as vocals.

High Performance Production Stage Monitors

SM-183



Specifications

Impedance (passive)	LF: 8 ohms MF: 8 ohms HF: 8 ohms
Power Handling	LF: 1200 watts HF: 160 watts
Sensitivity	LF: 98 db 1 watt @ 1 meter MF: 97 db 1 watt @ 1 meter HF: 105 db 1 watt @ 1 meter
Frequency Response	45 Hz to 18 kHz +3 -6
Input	Bi-amp: Parallel NL4 Tri-amp: Parallel NL8
Angles	35 and 55 degrees
Dimensions	34.25"W x 23.375"H x 28.5"D
Weight	145 lbs.
Color	Black textured is standard with white and unfinished optional
Grill	Black epoxy perforated 16 gauge carbon steel

Input Panel Operation: OAP Audio High Performance Production Stage Monitors are supplied with standard input panels. The SM-183 comes standard with parallel Neutrik NL8MPR for active use. For biamp use, the SM-183 is also available with the IP-4NS input panel. This panel has two parallel Neutrik NL4MPR connectors with pins 2+ and 2- used as input to the passive crossover between the 12" mid-bass speaker and high frequency compression driver. For all 1/4" operations the tip is positive and the ring is negative. For the IP-4NS Neutrik Speakon connector: pin 1- is LF negative, pin 1+ is LF positive, pin 2- is HF negative, and pin 2+ is HF positive. Other configurations and connectors are available for all models. For more information please consult your dealer or the factory.

A multi-pin connector is used to easily disconnect the input panel from the internal wiring harness. To change input panels, remove the phillips head screws. Lift the panel from the enclosure and disconnect the input panels by pulling part the connector. To install the new panel, reverse the above procedure. Insure that there is a color continuity on both sides of the connector.

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