



Stage Monitor Series

SM-281 Stage Monitor

"Ultra" Low Profile



General

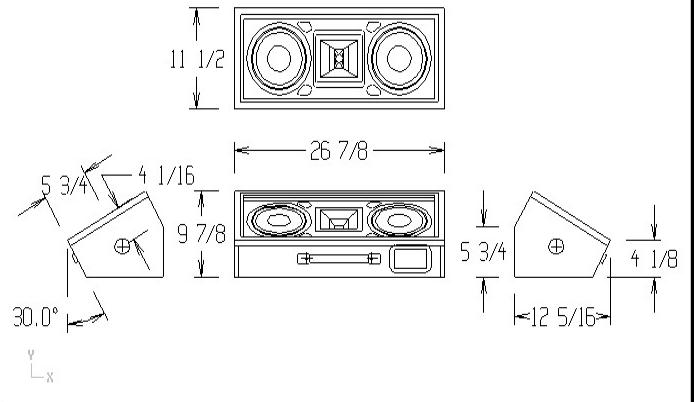
The SM-281 is a "ultra" low profile/low sight line, bracket-mountable, two-way (FR) stage monitor loudspeaker system. The SM-281 is ideally suited for uses in houses of worship, boardrooms, classrooms, restaurants, and lounges where a low profile/low sight line (less than 10" high) high output stage monitor with superb sonic quality is required. The versatility of the SM-281 is further demonstrated with its optional strap handle for ease of movement; or when the enclosure uses the MB-822 mounting bracket allowing the SM-281 to be used in a host of near field applications. The low frequencies of the SM-281 are handled by two 8" direct radiators, while a 1" throat mylar diaphragm driver coupled to a 90° x 60° constant dispersion-rotatable horn (110° Conical Horn optional) extends the high frequency performance. The SM-281 utilizes a specifically designed integrated crossover in order to provide a full range loudspeaker. To achieve low crossover insertion loss and high reliability, 16 gauge wire and mylar capacitor are used throughout with all components mechanically secured to a glass epoxy PC board. The SM-281 enclosure is constructed of 3/4" birch veneer plywood with all interconnecting surfaces extensively nailed and glued. The input panel is recessed into the cabinet. The SM-281 uses an epoxy coated perforated grill for speaker component protection. Standard finish is black or white textured gloss enamel paint, with a weatherized package available as an option. Like all OAP loudspeaker systems, the SM-281 comes with a five year warranty.

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.

ARCHITECTURAL SPECIFICATIONS: The loudspeaker shall be of the two-way, low profile stage monitor type and be capable of usable frequency response of 70 Hz. to 20 kHz. The loudspeaker system shall utilize two 8" direct radiators, a 1" throat mylar diaphragm driver coupled to a 90° x 60° rotatable horn. The enclosure shall be of 3/4" veneer birch plywood and internally braced with hardwood bracing. All exposed corners shall be rounded and all hardware recessed to be flush with the exterior of the enclosure. A 16-gauge carbon steel epoxy coated grill shall be utilized for transducer protection. An optional steel bracket shall be available to facilitate the mounting of the SM-281 as a satellite speaker system. The input panel shall be removable via a field connector system to facilitate servicing and exchange of input panels. The loudspeaker system shall be the OAP Audio product model SM-281.

SM-281 Specifications

SM-281 All dimensions are in inches.



Impedance	8 ohm system
Sensitivity	97.3 db (averaged between 125 Hz and 16 kHz)
Frequency Response	70 Hz to 20 kHz (+/- 3db) 55 Hz-22 kHz (+/- 6 db)
Power Handling	325 watts continuous program power
Dimensions	26.875" W x 9.875" H x 12.31" D
Angles	35 and 55 degrees
Mounting	Optional OAP MB-822 bracket available in black or white.
Handle	Optional Strap Handle
Finish	Black, White, or unfinished (Weatherized option available)
Low Frequency Device	2 1/4 ohm, 8" with Rubber Surround (wired series), treated cone, 2" voice coil and 30 oz. Magnet
High Frequency Device	1" Compression Driver with Extended High Frequency, Mylar Diaphragm mounted on a 90° x 60° constant dispersion
Input	2 position terminal block, 1/4" jacks, or NL4; all with High Frequency L-pad Red +/-Black -
Crossover	2-way passive
Weight	34 lbs.

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

Other OAP Stage Monitors: SM-112, SM-115, CM-110, CM-112, SM-1202, SM-1502, SM-212, SM-183

Rev. F(05/13)