



SM516B/SM516W

Prommercial® Indoor/Outdoor Speaker

Recommended Installations:

- On walls, on poles, under eaves, indoors and outdoors

Recommended Applications:

- Foreground and background music
- Paging
- Public address

Included Accessories:

- C-shaped mounting brackets
- Bracket knobs

Architects and Engineers Specification:

The loudspeaker shall be of the two-way type comprising a single surface mount enclosure containing one 5¼" (133mm) polypropylene low frequency transducer and one 5⁄8" (16mm) polycarbonate high frequency transducer.

Frequency response shall be 65Hz – 20kHz. Total power handling shall be 40 watts RMS and 60 watts program. Sensitivity measured with 2.83 volts input at 1 meter on-axis averaged between 65Hz – 20kHz shall be 88dB. The unit shall be supplied with a line matching transformer suitable for 100 volt or 70 volt operation with a rear mounted control allowing user selectable power taps of 16W, 8W, 4W, 2W and a 8 ohm bypass.

The enclosure and baffle shall be injection molded using fire-rated ABS that meets UL94V-0. Wire shall be terminated on the rear of the enclosure.

The system shall include a powder-coated aluminum C-bracket for mounting the speaker.

External dimensions shall be 6⅛" (156mm) width x 9⅜" (238mm) height x 6½" (165mm) depth. Each enclosure with mounting bracket shall weigh 8 lbs. (3.63 kg) per unit.

The loudspeaker shall be the Sound Advance Prommercial SM516B (black) or SM516W (white). No other system shall be acceptable unless the above combined performance specifications are equaled or exceeded.



SM516W shown

HIGH-QUALITY, INDOOR/OUTDOOR SPEAKER

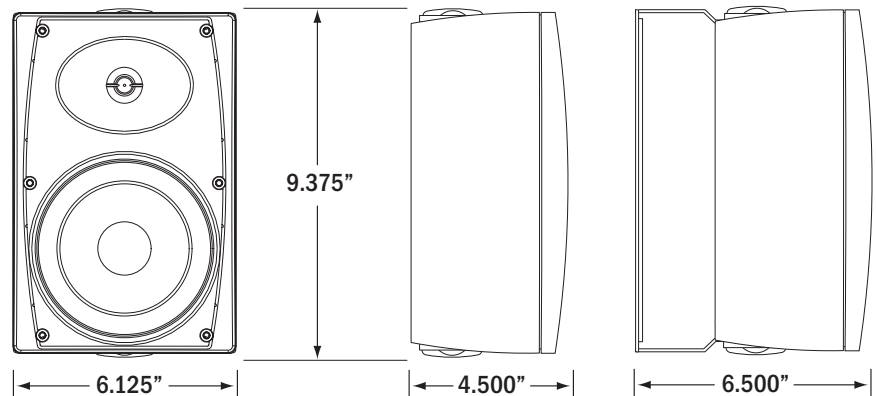
The Sound Advance® SM516 is an extended bandwidth, wide-dispersion loudspeaker designed for a variety of outdoor and indoor commercial/professional installations. The SM516's 5¼" polypropylene cone woofer and 5⁄8" polycarbonate dome tweeter ensure superior-quality sound in foreground music, public address and paging applications. The SM516's 90-degree dispersion is extremely consistent throughout its operating bandwidth (see polar response graphs on page 2), allowing fewer speakers to deliver quality sound over large areas.

The SM516 comes with a C-shaped mounting bracket that allows the speaker to be installed in a wide variety of locations. Adjustable bracket knobs allow the installer to direct the speaker's output where needed. Connection is made via a barrier strip terminal with loop-thru. The SM516 is transformer-coupled, with 16W, 8W, 4W 2W taps for both 70V and 100V operation, and 8-ohm bypass.

The SM516 has a rugged, weather-resistant ABS enclosure and baffle that meet UL94V-0 fire rating standards and a paintable perforated aluminum grille, and is available on black (SM516B) and white (SM516W).

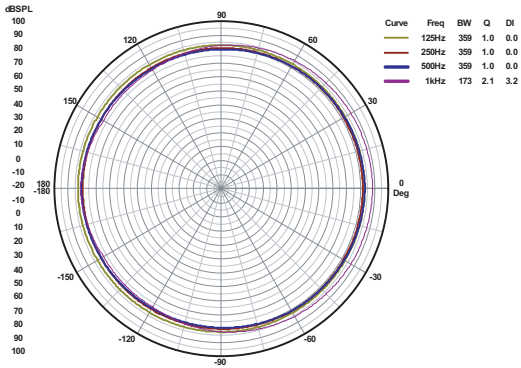
Warranty:

Sound Advance® warrants the SM516 to be free of any defect in material of workmanship for a period of 5 years from the date of purchase. During the warranty period, Sound Advance will repair or replace (at its option) all such defects without charge for parts or labor, if returned prepaid to the proper Sound Advance service facility, together with the original sales receipt or other proof of purchase. The unit will be returned prepaid.

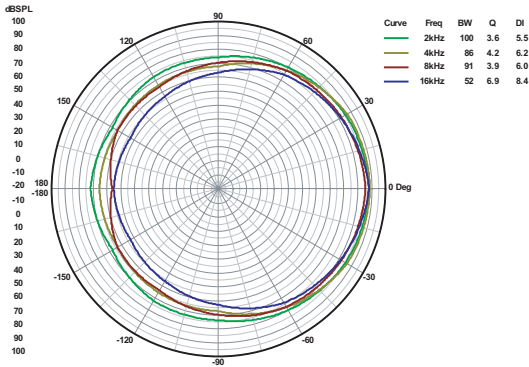


Polar Response:

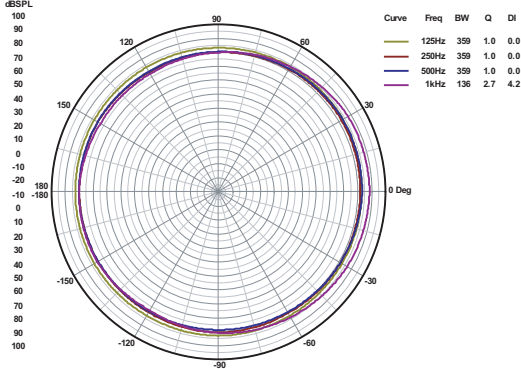
Horizontal Polar Response 125Hz to 1kHz



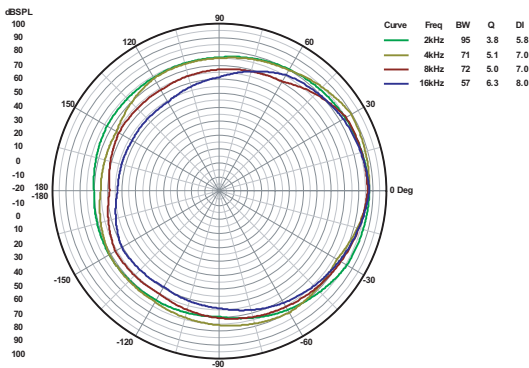
Horizontal Polar Response 2kHz to 16kHz



Vertical Polar Response 125Hz to 1kHz



Vertical Polar Response 2kHz to 16kHz



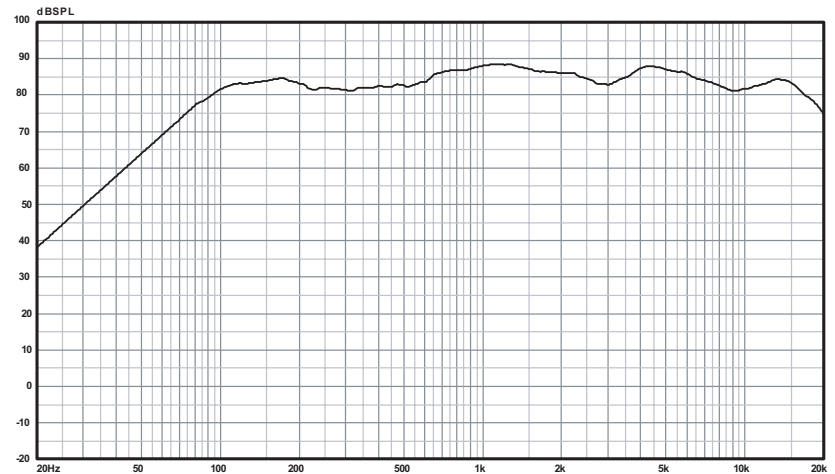
SM516B/SM516W

Prommercial® Indoor/Outdoor Speaker

SM516 Performance Specifications:

Tweeter:	5/8" (16mm) Polycarbonate dome
Woofer:	5 1/4" (133mm) Polypropylene cone with a rubber surround
Frequency Range:	65Hz – 20kHz (± 10dB)
Nominal Sensitivity:	88dB (2.83V/1meter)
Nominal Coverage Angle:	90° horizontal; 90° vertical (see polar response plots)
Directivity Factor:	2.94 averaged from 500Hz to 4kHz
Directivity Index:	3.50 averaged from 500Hz to 4kHz
Transformer Taps:	16W, 8W, 4W, 2W (70-Volt); 16W, 8W, 4W, 2W (100-Volt); 8 ohms
Power Handling:	60 watts maximum program power; 40 watts continuous pink noise
Enclosure Material:	ABS (meets UL94V-0 fire rating)
Baffle Material:	ABS (meets UL94V-0 fire rating)
Grille:	Paintable weather-resistant aluminum
Input Termination:	4-Post barrier strip with two input terminals and two loop-through terminals
Dimensions (H x W x D):	6 1/8" x 9 3/8" x 6 1/2" (156mm x 238mm x 165mm)
Net Weight:	8 lbs (3.63kg) each
Shipping Weight:	19 lbs (8.61kg) pair
Available Colors:	Black (SM516B); White (SM516W)

On-Axis Frequency Response:



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