



CM860/CM660

Prommercial® In-Ceiling Speakers

Recommended Installations:

- Suspended ceilings
- Wood or metal stud ceilings
- Soffits and fascia
- Retrofits into almost all standard 8" (CM860) and 6½" (CM660) speaker openings

Included Accessories:

- C-shaped tile support plates
- Tile support rails
- Paint plugs
- Cutout template

Recommended Accessories:

- 92247 Flexbracket for CM860
- 92337 Flexbracket for CM660
- 92245 Coverplate for CM860
- 92335 Coverplate for CM660
- 40118 C Ring for CM860
- 40119 C Ring for CM660

Certifications:

	UL1480	UL2043	NFPA-70	NFPA-90A
CM860	✓	✓	✓	✓
CM660	✓		✓	



HIGH-QUALITY, IN-CEILING SPEAKERS

The Sound Advance® CM860 and CM660 are extended bandwidth, wide-dispersion loudspeakers designed for ceiling mounting in commercial/professional installations in airports, hotels, boardrooms, cruise ships, casinos, convention centers, restaurants, offices, houses of worship and retail stores. The CM860 and CM660 incorporate polypropylene cone woofers and cloth dome tweeters that ensure superior-quality sound in foreground music, public address and paging applications. Both models feature wide dispersion (120° conical) that allows larger areas to be adequately covered by fewer speakers.

An integrated, deep-drawn steel backcan and integrated RotoLock® clamps allow the CM860 and CM660 to be installed without access behind the ceiling. The baffles are constructed from fire-rated ABS that meets UL94V-0. The perforated aluminum grilles are weather-resistant and can be painted to match the installation surroundings. Connection is made via a quick-connect terminal with loop-thru. The CM860 and CM660 are shipped with a C-shaped support plate that reinforces the ceiling material, and tile support rails that can be installed without access behind the ceiling. The CM860 and CM660 are transformer-coupled, with 60W, 30W, 15W 7.5W taps and 8-ohm bypass that are selectable from the speaker's front baffle.

Architects and Engineers Specification:

The loudspeaker shall be of the two-way type comprising a single flush-mount enclosure containing one 8" (203mm) [6½" (165mm)] low-frequency transducer and one coaxially-mounted 1" (25mm) pivoting [non-pivoting] high-frequency transducer.

Frequency response shall be 50Hz [70Hz] – 20kHz. Total power handling shall be 70 watts RMS and 140 watts program. Sensitivity measured with 2.83 volts input at 1 meter on axis averaged between 50Hz [65Hz] – 20kHz shall be 90dB [89dB]. The unit shall be supplied with a line matching transformer suitable for 100 volt or 70 volt with a front-mounted control allowing user-selectable power taps of 60W, 30W, 15W, 7.5W and a 8 ohm bypass.

The backcan shall be constructed from deep-drawn steel. The baffle shall be injection molded using fire-rated ABS that meets UL94V-0. Wire shall be terminated in an enclosed area on the rear of the backcan. Strain relief shall be provided for wire. A support hook shall be provided on the rear of the backcan to allow additional support when necessary.

The system shall include a support backing plate to reinforce the ceiling material and tile support rails which can all be installed from beneath the ceiling tile.

External dimensions shall be 12" (305mm) [9¾" (248mm)] in diameter x 9½" (241mm) [7½" (190mm)] mounting depth. The total enclosure shall weigh 11 lbs. (5kg) [8 lbs. (3.63kg)] per unit.

The loudspeaker shall be the Sound Advance Prommercial CM860 [CM660].

CM860/CM660

Prommercial® In-Ceiling Speakers

CM860 Performance Specifications:

Tweeter:	1" (25mm) Pivoting cloth dome
Woofer:	8" (203mm) Polypropylene cone with a rubber surround
Frequency Range:	50Hz – 20kHz (-10dB)
Nominal Sensitivity:	90dB (2.83V/1meter)
Nominal Coverage Angle:	120° conical
Directivity Factor:	5.9 averaged from 500Hz to 4kHz
Directivity Index:	4.6 averaged from 500Hz to 4kHz
Transformer Taps:	60W, 30W, 15W, 7.5W (70-Volt); 60W, 30W, 15W (100-Volt); 8 ohms
Power Handling:	140 watts maximum program power; 70 watts continuous pink noise
Enclosure Type:	Deep-drawn steel back can
Baffle Material:	ABS (meets UL94V-0 fire rating)
Grille:	Paintable weather-resistant aluminum
Input Termination:	Removable locking quick-connect with two input terminals and two loop- through terminals
Dimensions (Dia x D):	12" x 9 1/2" (305mm x 241mm)
Cutout Dimensions (Dia):	10" (254mm)
Net Weight:	11 lbs (5kg) each
Shipping Weight:	23 lbs (10.44kg) pair

CM660 Performance Specifications:

Tweeter:	3/4" (19mm) Pivoting cloth dome
Woofer:	6 1/2" (165mm) Polypropylene cone with a rubber surround
Frequency Range:	65Hz – 20kHz (-10dB)
Nominal Sensitivity:	89dB SPL (2.83V/1 meter)
Nominal Coverage Angle:	120° conical
Directivity Factor:	5.9 averaged from 500Hz to 4kHz
Directivity Index:	4.6 averaged from 500Hz to 4kHz
Transformer Taps:	60W, 30W, 15W, 7.5W (70-Volt); 60W, 30W, 15W (100-Volt); 8 ohms
Power Handling:	140 watts maximum program power; 70 watts continuous pink noise
Enclosure Type:	Deep-drawn steel back can
Baffle Material:	ABS (meets UL94V-0 fire rating)
Grille:	Paintable weather-resistant aluminum
Input Termination:	Locking removable quick-connect with two input terminals and two loop- through terminals
Dimensions (Dia x D):	9 3/4" x 7 1/2" (248mm x 191mm)
Cutout Dimensions (Dia):	8 3/16" (207mm)
Net Weight:	8 lbs (3.63 kg) each
Shipping Weight:	19 lbs (8.61 kg) pair

Warranty:

Sound Advance warrants the CM860 and CM660 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.



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CM860/CM660 Dimensions

	CM860	CM660
A:	9 1/2" (241mm)	7 1/16" (195mm)
B:	8 1/2" (216mm)	6 1/16" (170mm)
C:	9 5/16" (236mm)	7 1/2" (191mm)
D:	12" (286mm)	9 3/4" (248mm)

