

IP-CM82-BGM

8.0" COAXIAL
IN-CEILING
BACKGROUND
MUSIC
SPEAKER

SOUNDTUBE
ENTERTAINMENT



Specifications: IP-CM82-BGM

Mounting hardware included

Sensitivity dB @ 2.83V/1M	89 dB
Sensitivity dB @ 1W/1M (2)	89 dB
Frequency Response (± 3 dB)	70Hz-18kHz
Frequency Response (± 10 dB)	55Hz-22kHz
Max. Program Power	128 W
Max. Continuous Power RMS	64 W
Power Output	40 W
Max. Power SPL @ 1 M	107 dB
Directivity Factor (Q) (Averaged 100Hz - 10kHz, @ 2kHz)	5.4 (averaged 100 Hz - 10 kHz) ; 7.2 (2 kHz)
Directivity Index (DI) dB (Averaged 100Hz - 10kHz, @ 2kHz)	5.5 dB (averaged 100 Hz - 10 kHz) ; 8.6 dB (2 kHz)
Transducer - Low Frequency Driver	8" Polypropylene Cone w/ Butyl Rubber Surround
Transducer - High Frequency Driver	1" Silk Dome
Network Type: Low Pass	12 dB per octave, 2nd order
Network Type: High Pass	12 dB per octave, 2nd order
Colors	White / Custom
Connections	Four position ceramic terminal strip
Inputs	RJ45 ethernet port
Backcan Diameter	245.6 mm / 9.67 in
Backcan Height	203.2 mm / 8 in
Visible Diameter	298.5 mm / 11.75 in
Visible Height	8.6 mm / 0.34 in
Mounting Hole Diameter	266.7 mm / 10.5 in
Weight	4.1 kg / 9 lbs
Shipping Weight	4.5 kg / 10 lbs
Accessories Optional	Pre-Construction Bridge (AC-CM6-8EZ-PCB)
Packaging	One per box
Regulatory - UL	Pending 1480 & 2043

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Specifications: IP-CM82-BGM

Regulatory - CE
Regulatory - RoHS

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Description

One 8.0 inch (203 mm) polypropylene woofer with butyl rubber surround and one 1.0 inch (25 mm) silk dome tweeter. BroadBeam Ring™ technology for mid-range clarity and smooth off axis performance. Tuned port on baffle for added musicality and bass response down to 55 Hz (-10 dB). Reduced amplification costs and maximum efficiency of 86.0 dB sensitivity, 16 ohm impedance. Incorporates a painted steel grille for lasting durability. Adaptable to material thicknesses ranging from 0.035 inch (0.9 mm) to 1.6 inch (40.6 mm). UL 60065 & UL 2043 listed. Included accessories: Tile bridge, UL listed 0.5-inch conduit clamp, paint shield. Includes 40 watt bi-amplified speaker with DSP and CobraNet for audio distribution and feedback on speaker condition. Equipped with RJ45 ethernet connector and 24V DC barrel connector for local power (non-PoE installation).

Patented

SoundTube Technologies

SoundTube and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.com. Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit®

software Tech Sheets - Technical information and architectural specs for system engineers
SoundTubeSPEC™ - Proprietary speaker placement software

Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

Architectural Specifications

No specifications currently.

SoundTube

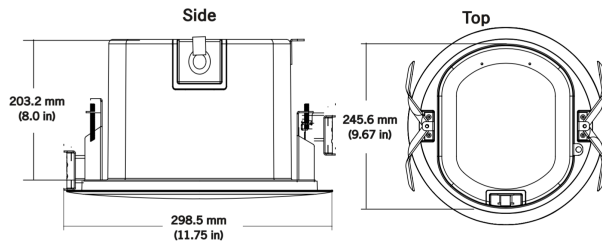
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<http://soundtube.mseaudio.com>
All SoundTube products come with a 5-year limited warranty.

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Mechanical Drawings



Included Accessories



Tile Bridge (?)

**UL-Listed Flex Conduit
Clamp**

Paint Shield

Optional Accessories



Pre-Construction Bridge (AC-CM6-8EZ-PCB)