

# IP-CM82-BGM

8.0" COAXIAL  
IN-CEILING  
BACKGROUND  
MUSIC  
SPEAKER

**SOUNDTUBE**  
ENTERTAINMENT



## Specifications: IP-CM82-BGM

## Mounting hardware included

Nominal Impedance	16 ohm
Sensitivity dB @ 2.83V/1M	89 dB
Sensitivity dB @ 1W/1M (2)	89 dB
Frequency Response ( $\pm 3$ dB)	70Hz-18kHz
Frequency Response ( $\pm 10$ 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
Tap Selector	Six-position rotary switch with transformer bypass position
70.7 Volt Transformer Taps	64 W / 107 dB
100 Volt Transformer Taps (dB)	64 W / 107 dB
25 Volt Transformer Taps (dB)	8 W / 98 dB
Transformer Options	25 / 70.7 / 100 Volt 16 Ohm direct
Coverage Angle (-6 dB @ 2 kHz) raw	105
Angle	105
Colors	White / Custom
Connections	Four position ceramic terminal strip
Tweeter - part	1" Silk Dome
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

---

# IP-CM82-BGM

8.0" COAXIAL  
IN-CEILING  
BACKGROUND  
MUSIC  
SPEAKER



---

## Specifications: IP-CM82-BGM

## Mounting hardware included

Regulatory - UL

Pending 1480 & 2043

Regulatory - CE

approved

Regulatory - RoHS

approved

Regulatory - CCC

approved

---

# IP-CM82-BGM

8.0" COAXIAL  
IN-CEILING  
BACKGROUND  
MUSIC  
SPEAKER

**SOUNDTUBE**  
ENTERTAINMENT

---

## 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](http://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](http://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

8005 W. 110th St. | Suite 208  
Overland Park, KS 66210  
Phone 9136635600  
Fax 8556635600  
Toll Free 8556635600  
<http://soundtube.mseaudio.com>  
All SoundTube products come with a 5-year limited warranty.

---

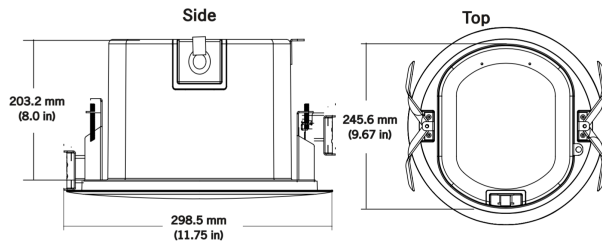
# IP-CM82-BGM

8.0" COAXIAL  
IN-CEILING  
BACKGROUND  
MUSIC  
SPEAKER

**SOUNDTUBE**  
ENTERTAINMENT

---

## Mechanical Drawings



## Included Accessories



Tile Bridge (?)

UL-Listed Flex Conduit  
Clamp

Paint Shield

## Optional Accessories



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