

# JM Series Round ceiling speakers



## Product Description

JM Series round speakers are the finest theater and distributed audio systems for your home.

## Distributed Audio Systems

JM Series speakers reproduce all the subtle details in music, and disperse the sound evenly throughout the listening environment.

## Theater Systems

Vocal Integrity® system design allows use of these speakers as front L/C/R's in theater systems. Smooth octave-to-octave transition means vocals are clear and distinct, on-screen effects are easy to pin-point. High power handling allows JM speakers to run full-range in theaters up to 4,500 ft<sup>2</sup>.

## Product Features

- L5 frame construction represents the finest design in ceiling speakers for ultra-low distortion.
- Anodized aluminum bass unit for increased impact and transient response.
- Pure Heavy Silk tweeter with neodymium motor.
- TransientEdge® crossover topology.
- Pi Space Tuning allows placement near walls.
- All metal Slot/Lock® clamping system forms a tight leak-free seal with the ceiling.
- Weather-resistant design can be used in environmental extremes.
- Super-flat frame and white micro-perf grilles appear flush to the ceiling.

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## Product Construction

### L5 Frame

Our proprietary design combines an aluminum frame, 1/2" sheet of MDF (medium density fiberboard), a 1/2" sheet of ultra-dense HDF (high density fiberboard) and three high-loss damping sheets. This high-mass sandwich virtually eliminates excess vibrations, reducing energy transfer from the speaker to the ceiling. This reduces distortion, and improves impact and transient response.

### Drive Units

Our Heavy Silk tweeter is the key to our system's performance. This high power handling, broad dispersion drive unit spreads sound evenly throughout the room in an 80° radial pattern.

Our anodized aluminum bass unit stays pistonic throughout its operating range — for reduced distortion and truer reproduction.

### TransientEdge® Crossover Topology

We've developed our own high power handling capacitors for improved speed and attack. Uniquely integrated into JM Series networks, you'll hear greater resolution in the mid-bass, and more atmosphere in the high end.

### Pi Space Tuning

Our exclusive Pi Space Tuning overcomes "bloated" midbass gain when the speaker is placed near walls — a situation likely to occur when used as L/C/R's.

### Vocal Integrity® System Design

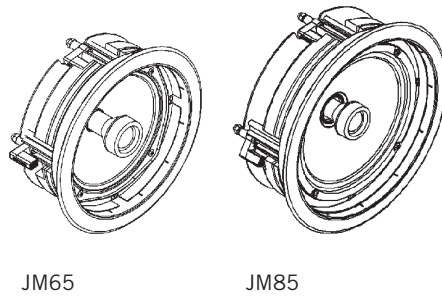
We've designed and tested our systems to exhibit the lowest level of distortion in the critical midrange — especially off axis. This requires attention to all elements of the design, from driver parameters to crossover tolerances. The end result is a series of speakers that outperform the field when used in theater applications.

### Flush To The Ceiling

Our frame sits just 2mm off the ceiling, twice as shallow as the typical in-ceiling speaker. Combined with our flat micro-perf grilles, the speakers cast a minimal shadow, looking almost flush to the ceiling.

### Weather Resistant Construction

You can place 900 Series speakers in high humidity areas, like kitchens, bath, and protected outdoor settings. All exposed components are weather resistant.



JM65

JM85

## Specifications

Model	JM65	JM85
Maximum Output	106dB (with 100w)	108dB (with 100w)
Room Size	Up to 4,500 ft <sup>3</sup>	Up to 4,500 ft <sup>3</sup>
Near-Field Response	50-20,000 Hz	45-20,000 Hz
6dB Downpoint	40 Hz	38 Hz
Coverage Angle (-6dB)	80° Radial	80° Radial
Sensitivity (1w, 1m)	86dB	88dB
Impedance	8 ohms	8 ohms
Tweeter	1" silk dome	1" silk dome
Bass Unit	6 1/2" aluminum cone	8" aluminum cone
Weight	5 lbs. each	5.5 lbs. each
Depth In Wall	4 1/4"	4 1/4"
Cutout Dimension	7 5/8"	9 5/8"
Outer Dimension	9"	10 3/4"

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