

# JM Series In-wall speakers

## Product Description

JM Series In-wall speakers are the finest theater and distributed audio systems for your home.

## Distributed Audio Systems

JM Series In-wall 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 LCR'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

- Compact designs pack the performance of larger speakers into the smallest, most elegant frames possible
- Exclusive RockDust® baffle is cast with shaved granite, alpha aluminum and resin for unparalleled rigidity
- Anodized aluminum bass units for increased impact and transient response
- Starburst® tweeter faceplate reduces standing waves
- 28mm pure silk tweeter dome for increased power handling, smoother off-axis dispersion
- 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



**BAYAUDIO**

## Product Construction

### Compact Design

We put our engineering efforts towards reducing the visual footprint of the JM In-wall Speakers while improving bass performance, power handling, and off-axis dispersion. The results are two speakers that fit unobtrusively into your living area, and fill your space with clean, full-range sound.

### RockDust® Frame

We combine an aluminum frame, 1/2" sheet of our proprietary RockDust substrate, and 1" sheet of MDF (medium density fiberboard) for a sturdy, rigid platform. This high-mass sandwich virtually eliminates excess vibrations, reducing energy transfer from the speaker to the wall, reducing distortion, and improving impact and transient response. RockDust is a cast substrate combining shaved granite, alpha aluminum, and resin, and is twice as dense as MDF.

### Drive Units

Our 28mm 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. The Starburst® tweeter faceplate reduces standing waves, enhancing off-axis dispersion.

Our anodized aluminum bass units stay 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 side walls or ceilings.

### 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 Wall

Our injection-molded aluminum frame sits just a few millimeters off the wall. And with our floating grilles held in place with concealed magnets, the JM Series speakers have an elegant, unobtrusive look.

### Weather Resistant Construction

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



JM40



JM60

## Specifications

Model	JM40	JM60
Maximum Output	102dB (with 100w)	106dB (with 100w)
Room Size	Up to 1,500 ft <sup>3</sup>	Up to 3,000 ft <sup>3</sup>
Near-Field Response	58-20,000 Hz	41-20,000 Hz
6dB Downpoint	46 Hz	36 Hz
Coverage Angle (-6dB)	65° H, 60° V	65° H, 60° V
Sensitivity (1w, 1m)	82dB	84dB
Impedance	8 ohms	8 ohms
Tweeter	1" Starburst silk dome	1" Starburst silk dome
Bass Unit	4" aluminum cone	6½" aluminum cone
Weight	5 lbs. each	8 lbs. each
Depth In Wall	2¼"	3½"
Cutout Dimension	8½" x 4⅞"	11¼" x 7¾"
Outer Dimension	9⅞" x 5⅞"	13½" x 9¼"

**BAYAUDIO**

©2007 Bay Audio. Specifications are subject to change.

14290 Danielson Street, Poway, CA 92064 ph 858.486.5040 fx 858.486.5041 www.BayAudio.com