AIM
SERIES 2

Fully Pivoting, High Fidelity In-Ceiling Loudspeakers.

SpeakerCraft®

The Legend.
ReCrafted.

More revolutionary than evolutionary, SpeakerCraft AIM Series 2 has been 100% re-crafted to support sophisticated installations, demanding sonic performance, and advanced object-based surround audio platforms such as Dolby Atmos®, Auro-3D®, and DTS:X®. The re-crafting effort addresses every aspect of the speaker, from front to back, resulting in a sound solution you'll have to hear to believe.

DEFIES ALL CONVENTIONS AND INDUSTRY NORMS

AIM Series 2 adapts technology that was once only utilized in large sound reinforcement experiences, and introduces the adjustable pivoting ARC Tweeter Array™ that is nothing short of groundbreaking. By incorporating multiple tweeters in a line array, AIM Series 2 delivers focused high frequencies farther into the listening area than standard tweeter configurations. The ARC Tweeter Array lowers the crossover point to increase the sound pressure level at the critical mid-range frequencies so that acoustically, listeners enjoy a much larger sweet spot.

A BOLDER, RICHER SOUND

Complementing the ARC Tweeter Array is the updated WavePlane™ technology that acts as an acoustic lens, focusing the high frequency audio energy into the listening environment for a cleaner, wider, and richer sound. Ordinary speakers only sound their best when you are directly underneath them but the WavePlane assures optimal high frequency dispersion throughout the listening area.

TAKING SOUND TO NEW LEVELS

The enhanced aim-ability of the AIM Series 2 presents new options for sound design—from home theater to whole home audio. More than ever, sound can be directed to a specific section of a room, angled toward a seating area or wherever an audio impact is desired.

OPTIMAL SOUND DISPERSION

As a final touch, the AIM 2's Vortex Eliminators disperse sound as it reaches the outer edge of the speaker baffle. Acoustically, this moves the speaker closer to the surface of the ceiling, improving the overall dispersion of sound and eliminating any tunnel effect found in lesser ceiling speakers.

LONGER LASTING, MORE STABLE INSTALLATIONS

While the front of the speaker gets most of the deserved attention, the back of this speaker delivers game-changing technologies as well. The all-new design of the AIM Series 2 leverages Acoustic Isolation Technology™ to decouple the speaker housing from the surrounding materials, providing a more acoustically repeatable installation and improving sound transference to the listening area by eliminating structural resonance created by the surrounding wall or ceiling. The minimized resonance transfer is achieved using co-molded, lower density compounds, and help set the AIM Series 2 apart from any speaker in the industry. You hear the speaker as it is meant to sound—not colored by the resonance of the material on which it is mounted.

AIM 285

AIM 273

AIM 252

TOTALLY RECRAFTED

Simply put, every element of the AIM Series 2 has been recrafted for heightened aesthetics and heightened sound.

		AIM282	AIM283	AIM285	AIM283DT	AIM272	AIM273	AIM275	AIM273DT	AIM273SR	AIM252	AIM253	AIM255
General	Type	8" 2 Way	8" 2 Way	8" 2 Way	8" 2 Way	7" 2 Way	7" 2 Way	7" 2 Way	7" 2 Way	7" 2 Way	5 ¼" 2 Way	5 ¼" 2 Way	5 ¼" 2 Way
	Power Handling	150	175	175	150	125	150	150	150	150	100	125	125
	Frequency Response	37Hz-20kHz	35Hz-20kHz	33Hz-20kHz	40Hz-20kHz	40Hz-20kHz	37Hz-20kHz	35Hz-20kHz	45Hz-20kHz	40Hz-20kHz	42Hz-20kHz	40Hz-20kHz	37Hz-20kHz
	Impedance	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal	8 Ohm Nominal
	Sensitivity dB @1W-1M	87 dB	88 dB	90 dB	90 dB	88 dB	89 dB	90 dB	89 dB	89 dB	87 dB	88 dB	89 dB
	Crossover Type	Symmetrical 2nd Order Butterworth	Symmetrical 2nd Order Butterworth	Asymmetrical 2nd/3rd Order Linkwitz Riley	Symmetrical 2nd Order Butterworth	Symmetrical 2nd Order Butterworth	Symmetrical 2nd Order Butterworth	Asymmetrical 2nd/3rd Order Linkwitz Riley	Symmetrical 2nd Order Butterworth	Symmetrical 2nd Order Butterworth	Symmetrical 2nd Order Butterworth	Symmetrical 2nd Order Butterworth	Asymmetrical 2nd/3rd Order Linkwitz Riley
Woofer	Woofer Size	8"	8"	8"	8"	7"	7"	7"	7"	7"	5 ¼"	5 ¼"	5 ¼"
	Pivoting Woofer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Woofer Material	Glass Fiber	Aluminum	Kevlar	Aluminum	Glass Fiber	Aluminum	Kevlar	Aluminum	Aluminum	Glass Fiber	Aluminum	Kevlar
Arc Tweeter Array	Tweeter Sizes	2 x ¾" / 2 x ⅝"	2 x ¾" / 2 x ⅝"	2 x ¾" / 2 x ⅝"	2 x ¾" / 2 x ⅝"	4 x ⅝"	4 x ⅝"	4 x ⅝"	4 x ⅝"	4 x ⅝"	3 x ⅝"	3 x ⅝"	3 x ⅝"
	Pivoting Tweeters	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	359° Rotational Adjustability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Tweeter Material	Silk	Aluminum	Aluminum/Magnesium	Aluminum	Silk	Aluminum	Aluminum/Magnesium	Aluminum	Aluminum	Silk	Aluminum	Aluminum/Magnesium
Acoustic Compensation	Direct Diffuse Switch									Yes			
	Dialog Switch		Yes	Yes			Yes	Yes				Yes	Yes
	Tweeter Level Switch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

FEATURES:

PROPRIETARY ARC TWEETER ARRAY™ DESIGN

- Uniform, aim-able high-frequency coverage.
- Lower crossover point through increased number of drivers gives increased sound pressure level at the critical mid-range frequencies resulting in a sweeter sweet spot.
- Smoother power response, higher power handling capability and less distortion than a single tweeter design.
- New speaker housing design allows for a +/-15 degree pivoting woofer, totaling 30 degrees of adjustment, plus Arc-Tweeter Array with +/- 15 degree toe-in/toe-out adjustment, and 359 degrees of rotational flexibility.

EXCLUSIVE PATENTED DESIGN & ACOUSTIC ISOLATION TECHNOLOGY™

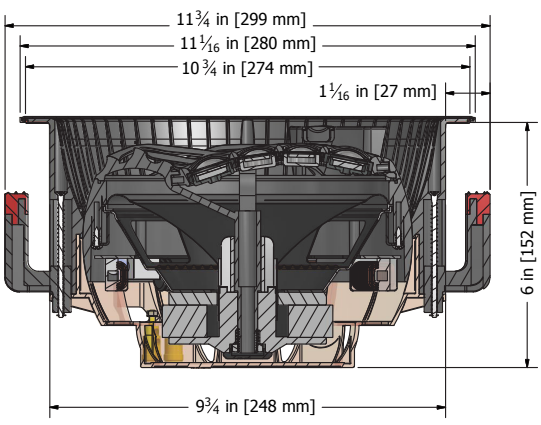
- Co-molded, lower density compounds minimize structural resonance in the surrounding wall/ceiling.
- Updated WavePlane design enhances high frequency dispersion.
- Acoustic Vortex Eliminators reduce sound turbulence.

U.S. ENGINEERED & DESIGNED TRANSDUCER, MOTOR, AND CROSS-OVER

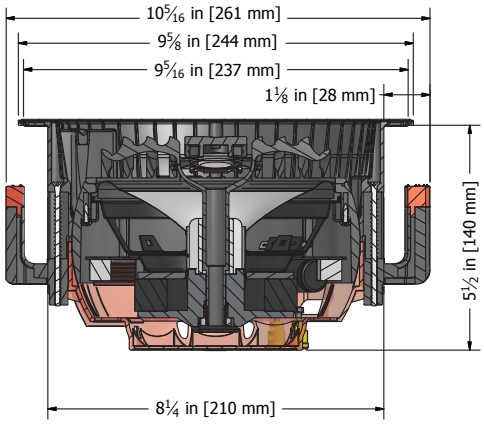
- Increased stiffness of the curvilinear cone design enables the cone to deliver energy to the air more effectively for greater bass response.
- Butyl elastomer surround creates a more consistent sound with less disruption.
- Non-conductive Kapton formers, copper caps and extended poles reduce distortion.
- Improved power handling and sensitivity limits compression for louder and cleaner sound.
- Symmetrical & A-symmetrical Linkwitz-Riley crossover designs for highest sound quality.

INNOVATIVE INDUSTRIAL DESIGN & MATERIALS

- New Cone and Tweeter Materials:
  - AIM 5, 7 & 8 TWO: Glass Fiber Woofer + Silk Dome Tweeters.
  - AIM 5, 7 & 8 THREE: Aluminum Woofer + Aluminum Dome Tweeters.
  - AIM 5, 7 & 8 FIVE: Kevlar™ Fiber Woofer + Aluminum-Magnesium Dome Tweeters.
- Back mounted grille assembly magnets improve aesthetics and longevity of grille assembly.



AIM 8



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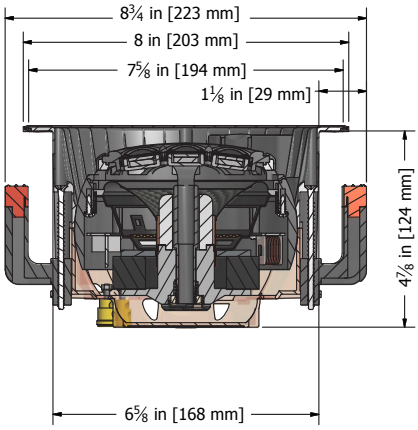

AIM 5

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AIM Series 2 Speakers are Protected by Patents Pending and US Patent 6101262. Designed in CA, USA. Made in China.

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