Introducing AMS Series v.3 … the true high-performance alternative

AMS Series v.3 speakers can be painted to match any décor

Don't let your home builder make an 'unsound' decision when choosing in-wall/in-ceiling speakers for your home.

65% of all new homes built last year had distributed audio as a standard or optional feature; 58% included a home theater upgrade package.* Unfortunately, many of these installations used speakers with inexpensive low-performance drivers; or worse, gimmicks such as pivoting tweeters, or pivoting tweeters and woofers. The result? Homeowners are stuck with bad sound! But Paradigm has the solution: Paradigm's AMS Series v.3 – a true, and still very affordable, high-performance alternative …

4 NEW MODELS = 4 NEW PARADIGM® QUALITY SOLUTIONS!

AMS-150R-SM. Stereo/Mono model with Paradigm's proprietary Dual-Directional Soundfield™. Provides rich pure-fidelity 2-channel sound from a single Paradigm® AMS high-performance speaker.
AMS-150SQ-SM. Square version of the above in Stereo/Mono.
AMS-150R-30. Features Paradigm's spectacular proprietary Guided Soundfield™ system, the high-performance sound solution for those guided sound in-ceiling applications.
AMS-LCR. A superb 5-driver 2-1/2-way left/center/right solution for an exceptional high-performance in-wall home theater.

NEW! **Superior High-Power S-PAL™ Satin-Anodized Pure-Aluminum Domes**, trickle-down technology from the high-end Paradigm® Reference collection. These exceptionally rigid low-mass domes with treated textile suspensions ensure extremely uniform and instantaneous power response. The reduced radius of curvature on the tweeter diaphragm has brought about significant improvements in sound dispersion. These new AMS drivers exhibit breathaking timbral clarity and transparency usually only associated with the best freestanding designs.

Superior High-Power Mineral-Filled Polypropylene Cones, highly damped and extremely rigid, continue to ensure tight, well-defined deep bass response in v.3.

NEW! **High-Power Ferrite/Neodymium Magnets and Advanced Motor Structures.** Not only is thermal mass increased due to the higher energy created in the gap, but the resulting intense magnetic field allows for over-filling of ferro-fluid, encouraging even higher power handling.

NEW! **Upgraded Precision Crossover Networks** have been carefully "tweaked" for improved frequency and phase response in this new series. Not your typical in-wall/in-ceiling application, AMS v.3 circuit boards meet stringent FR-4 military specifications. They also boast the highest-quality component parts, hand-selected for close tolerance: film capacitors, ceramic resistors, steel/air-core inductors. 16-gauge wire or better, and new proprietary Posi-Grip™ binding posts.

NEW! **Die-Cast Aluminum or High-Strength GRIP™ Glass-Reinforced Injection-Molded Polymer Chassis/Mounting Brackets** (varies by model). Since the area behind the wall is essentially an infinite baffle, it can leave a speaker prone to uncontrolled resonances and standing waves. Bass can become bloated with poor definition, and midrange neutrality, clarity and imaging all suffer. The redesigned chassis on AMS v.3 speakers increases wall rigidity by further sandwiching and strengthening the area around the mounting hole.

For more information on Paradigm's Dual-Directional Soundfield™ and Guided Soundfield™ technology, visit our website at **www.paradigm.com**

*U.S. National Association of Home Builders (NAHB) 2005 State-of-the-Home-Builder Survey.

AMS-100R AMS-150R AMS-150R-SM AMS-150SQ-SM AMS-150R-30 AMS-250 AMS-300 AMS-350 AMS-LCR

Paradigm®

Specifications:

	AMS-100R	AMS-150R	AMS-150R-SM New Model!	AMS-150SQ-SM New Model!	AMS-150R-30 New Model!
Design	2-driver, 2-way in-ceiling / in-wall, GRIP™ chassis / mounting bracket	2-driver, 2-way in-ceiling / in-wall, GRIP™ chassis / mounting bracket	Single speaker system with stereo L/R inputs, 3-driver 2 x 2-way in-ceiling / in-wall, GRIP™ chassis / mounting bracket	Single speaker system with stereo L/R inputs, 3-driver 2 x 2-way in-wall / in-ceiling, GRIP™ chassis / mounting bracket	2-driver, 2-way in-ceiling, drivers mounted at 30° relative to mounting surface, GRIP™ chassis / mounting bracket
Crossover	2nd-order electro-acoustic at 2.5 kHz	2nd-order electro-acoustic at 2.5 kHz	2nd-order electro-acoustic at 2.5 kHz	2nd-order electro-acoustic at 2.5 kHz	2nd-order electro-acoustic at 2.5 kHz
High-Frequency Driver(s)	25-mm (1 in) S-PAL™ dome, die-cast heatsink, ferro-fluid cooled	25-mm (1 in) S-PAL™ dome, die-cast heatsink, ferro-fluid cooled	Two 25-mm (1 in) S-PAL™ domes, die-cast heatsink, ferro-fluid cooled	Two 25-mm (1 in) S-PAL™ domes, die-cast heatsink faceplate, ferro-fluid cooled	25-mm (1 in) S-PAL™ dome, die-cast heatsink, ferro-fluid cooled
Bass / Midrange Driver	165-mm (6-1/2 in) mineral-filled polypropylene cone, GRIP™ chassis	210-mm (8 in) mineral-filled polypropylene cone, GRIP™ chassis	Dual voice-coil, 210-mm (8 in) mineral-filled polypropylene cone, GRIP™ chassis	Dual voice-coil, 210-mm (8 in) mineral-filled polypropylene cone, GRIP™ chassis	210-mm (8 in) mineral-filled polypropylene cone, GRIP™ chassis
Low-Frequency Extension*	55 Hz (DIN)	45 Hz (DIN)	45 Hz (DIN)	45 Hz (DIN)	45 Hz (DIN)
Frequency Response: ***On-Axis*** ***30° Off-Axis***	±2 dB from 75 Hz – 22 kHz ±2 dB from 75 Hz – 18 kHz	±2 dB from 60 Hz – 22 kHz ±2 dB from 60 Hz – 20 kHz	±2 dB from 60 Hz – 22 kHz ±2 dB from 60 Hz – 16 kHz	±2 dB from 60 Hz – 22 kHz ±2 dB from 60 Hz – 16 kHz	±2 dB from 60 Hz – 22 kHz ±2 dB from 60 Hz – 16 kHz
Sensitivity – Room / Anechoic	89 / 85 dB	91 / 87 dB	91 / 87 dB	91 / 87 dB	91 / 87 dB
Suitable Amplifier Power Range	15 – 100 watts	15 – 110 watts	15 – 110 watts Mono; 15 – 55 watts / channel Stereo Input	15 – 110 watts Mono; 15 – 55 watts / channel Stereo Input	15 – 110 watts
Maximum Input Power†	80 watts	80 watts	80 watts Mono; 40 watts / channel Stereo Input	80 watts Mono; 40 watts / channel Stereo Input	80 watts
Impedance	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms Mono; Compatible with 4 ohms / channel Stereo Input	Compatible with 8 ohms Mono; Compatible with 4 ohms / channel Stereo Input	Compatible with 8 ohms
Diameter *or* Height x Width	19.6 cm / 7-3/4 in	22.6 cm / 8-15/16 in	22.6 cm / 8-15/16 in	21.4 cm x 21.4 cm / 8-1/2 in x 8-1/2 in	29.6 cm / 11-5/8 in
Minimum Mounting Depth**	7.6 cm / 3 in	8.3 cm / 3-1/4 in	8.3 cm / 3-1/4 in	8.3 cm / 3-1/4 in	14.3 cm / 5-5/8 in
Cutout Dimensions: D or H x W	17.2 cm / 6-3/4 in	20.0 cm / 7-7/8 in	20.0 cm / 7-7/8 in	19.1 cm x 19.1 cm / 7-1/2 in x 7-1/2 in	27.0 cm / 10-5/8 in
Preconstruction Bracket	PB-7R (sold separately)	PB-8R (sold separately)	PB-8R (sold separately)	PB-7x7 (sold separately)	PB-10R (sold separately)
Minimum Internal Volume	12 L / 0.42 cu ft	20 L / 0.70 cu ft	20 L / 0.70 cu ft	20 L / 0.70 cu ft	20 L / 0.70 cu ft
Weight (unpacked)	3 kg / 6.6 lb per pair	3.5 kg / 7.7 lb per pair	2.1 kg / 4.6 lb each	2.1 kg / 4.6 lb each	2.3 kg / 5 lb each

	AMS-250	AMS-300	AMS-350	AMS-LCR New Model!
Design	2-driver, 2-way in-wall / in-ceiling, die-cast chassis / mounting bracket	2-driver, 2-way in-wall / in-ceiling, die-cast chassis / mounting bracket	3-driver, 2-way in-wall / in-ceiling, die-cast chassis / mounting bracket	5-driver, 2-1/2-way in-wall Left / Center / Right, die-cast chassis / mounting bracket
Crossover(s)	2nd-order electro-acoustic at 2.0 kHz	2nd-order electro-acoustic at 2.0 kHz	2nd-order electro-acoustic at 2.0 kHz	2nd-order electro-acoustic at 2.0 kHz; 2nd-order electro-acoustic at 700 Hz (outside bass drivers)
High-Frequency Driver	25-mm (1 in) S-PAL™ dome, die-cast heatsink faceplate, ferro-fluid cooled	25-mm (1 in) S-PAL™ dome, die-cast heatsink faceplate, ferro-fluid cooled	25-mm (1 in) S-PAL™ dome, die-cast heatsink faceplate, ferro-fluid cooled	25-mm (1 in) S-PAL™ dome, die-cast heatsink faceplate, ferro-fluid cooled
Bass / Midrange Driver(s)	165-mm (6-1/2 in) mineral-filled polypropylene cone, die-cast chassis	210-mm (8 in) mineral-filled polypropylene cone, die-cast chassis	Two 210-mm (8 in) mineral-filled polypropylene cones, die-cast chassis	Two 115-mm (4-1/2 in) mineral-filled polypropylene cones, die-cast chassis
Bass Drivers				Two 115-mm (4-1/2 in) mineral-filled polypropylene cones, die-cast chassis
Low-Frequency Extension*	50 Hz (DIN)	40 Hz (DIN)	35 Hz (DIN)	75 Hz (DIN)
Frequency Response: ***On-Axis*** ***30° Off-Axis***	±2 dB from 60 Hz – 22 kHz ±2 dB from 60 Hz – 20 kHz	±2 dB from 60 Hz – 22 kHz ±2 dB from 60 Hz – 20 kHz	±2 dB from 55 Hz – 22 kHz ±2 dB from 55 Hz – 20 kHz	±2 dB from 105 Hz – 22 kHz ±2 dB from 105 Hz – 20 kHz
Sensitivity – Room / Anechoic	91 / 87 dB	91 / 87 dB	94 / 90 dB	91 / 87 dB
Suitable Amplifier Power Range	15 – 120 watts	15 – 150 watts	15 – 200 watts	15 – 150 watts
Maximum Input Power†	90 watts	100 watts	150 watts	100 watts
Impedance	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms
Diameter *or* Height x Width	34.3 cm x 25.4 cm / 13-1/2 in x 10 in	31.4 cm x 22.7 cm / 12-3/8 in x 8-15/16 in	51.0 cm x 23.1 cm / 20-1/16 in x 9-1/16 in	61.3 cm x 15.4 cm / 24-1/8 in x 6-1/16 in
Minimum Mounting Depth**	7.3 cm / 2-7/8 in	6.7 cm / 2-5/8 in	7.6 cm / 3 in	6.7 cm / 2-5/8 in
Cutout Dimensions: D or H x W	26.0 cm x 17.2 cm / 10-1/4 in x 6-3/4 in	27.3 cm x 18.4 cm / 10-3/4 in x 7-1/4 in	48.6 cm x 20.7 cm / 19-1/8 in x 8-1/8 in	58.7 cm x 13.0 cm / 23-1/8 in x 5-1/8 in
Preconstruction Bracket	PB-7x10 (sold separately)	PB-8x12 (sold separately)	PB-8x19 (sold separately)	PB-5x23 (sold separately)
Minimum Internal Volume	12 L / 0.42 cu ft	20 L / 0.70 cu ft	40 L / 1.40 cu ft	16 L / 0.56 cu ft
Weight (unpacked)	6.3 kg / 13.9 lb pair	6.8 kg / 15 lb pair	11.6 kg / 25.6 lb pair	4.5 kg / 9.9 lb each

AMS-LCR

**DIN 45 500. Indicates -3 dB in a typical listening room.*
*** Depth required is the distance behind 1/2" drywall or similar material*
† With typical program source, provided the amplifier clips no more than 10% of the time.