

SIGNATURE CUSTOM SOUND ... OUR COMMITMENT TO AUDIO PERFECTION IS WRITTEN ALL OVER IT!

Moves in-wall/in-ceiling sound beyond the ordinary to the truly extraordinary ... Signature Custom sets the ultimate standard for what can be expected, achieved and actually delivered by a speaker system installed in a ceiling.

WORLD'S SMALLEST, MOST POWERFUL 8" (210 mm) ULTIMATE HIGH-END IN-CEILING SPEAKER

Paradigm outperforms the industry in this category by leaps and high-end bounds. Although the SIG-1.5R is not much larger than a potlight, it contains an "ultimate in technology" 8" Signature bass/midrange driver.

THE ULTIMATE GUIDED SOUNDFIELD™ SYSTEM: SIG-1.5R-30

Allows you to guide a wide arc of Signature sound toward a specific area, much the same way we guide a floodlight to fill an area with light. Drivers sit at a 30° angle from the ceiling so that you can adjust the direction of sound (Fig. 1), without compromising the crucial sound dispersion pattern between drivers, or the interaction between drivers and baffle, thereby preserving sonic integrity. Ideal for use as surround and/or rear speakers. Guiding the sound towards the sides or rear of the room creates an enveloping, reverberant Signature soundfield (Fig. 2) similar to that provided by Paradigm Reference Signature ADP (see SIG-ADP) speakers.

PLACEMENT

Top view of rooms:

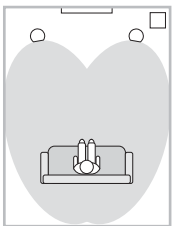


Fig. 1

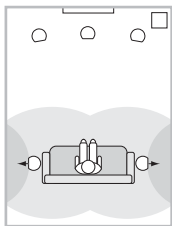
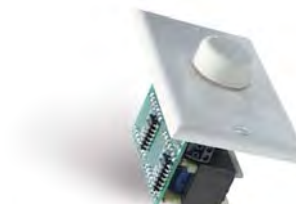


Fig. 2

"... if you mate them to, say, a pair of Anthem separates or the like, you'll have a weapons-grade music and movie system for the price of some floorstanding two-channel speakers."

- Andrew Robinson, hometheaterreview.com

SIG Custom



VC-150 Volume Control
(see the specification pages for full details)

Your high quality home deserves high quality sound!


Signature Series

Shown: SIG-1.5R



Full-perimeter bracket design

Unlike typical mounting ears, brackets cover the full diameter or height and width of the speaker chassis to effectively sandwich and strengthen the area around the mounting hole.



Cutting-Edge P-Be™ Pure-Beryllium Domes. Exotic beryllium! The metal of choice for truly ultimate levels of high-frequency performance. A stiffness-to-density ratio superior to metals such as aluminum, titanium and even diamond. Performance is clear, uncolored and completely uncompromised.



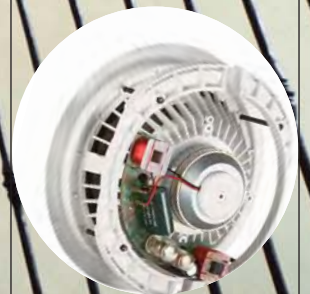
Cutting-Edge Co-PAL™ Cobalt-Infused Pure-Aluminum Cones. Combine high stiffness-to-mass ratio with superior internal damping for an even greater degree of accuracy. Advanced Nomex® cloth suspensions and butyl rubber surrounds promote superb and extended excursion.



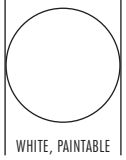
Cutting-Edge Mineral-Filled Co-Polymer Polypropylene Bass Cones. Superior stiffness-to-mass. Precision-engineered for higher sensitivity, power handling and ultra-low levels of distortion. Massive optimized ceramic ferrite or neodymium magnet/motor structures with focused-field geometry.



Combination Ultra-Rigid™ Die-Cast Chassis and GRIP™ Glass-Reinforced Injection-Molded Polymer Bracket (SIG-1.5R-30). Supremely rigid structure reduces resonances and standing waves. The use of an aluminum chassis allows the chassis to function as a heatsink.



High-Strength GRIP™ Glass-Reinforced Injection-Molded Polymer Chassis/Mounting Bracket (SIG-1.5R). Increased strength and design rigidity reduce resonances, vibration and flexing dramatically!



90° rotation when used as the center channel

"CLASS LEADERS... going louder with less power and doing it with more finesse than any in-walls I've heard to date."

- Andrew Robinson, hometheaterreview.com

SIG-LCR 5



Installation into BX-LCR 5 backbox



SIG-LCR 5 INTEGRATED IN-WALL SYSTEM ... THE ULTIMATE FOR MUSIC AND HOME THEATER

Exceptional Installation Flexibility

... install three SIG-LCR 5's in the wall behind a perforated screen or position three in a Left/Center/Right configuration around an on-wall display/screen.

An Innovative Audiophile Approach to Center-Channel Performance

When used in a horizontal orientation, to ensure the ultra-wide dispersion and exceptional timbre matching for which Signature speakers are renowned, SIG-LCR 5's unified tweeter/midrange assembly can be rotated 90° (see above left). The precision and accuracy of this assembly and the sophisticated Signature crossover design ensure the rotation maintains the proper dispersion pattern between drivers and interaction between drivers and baffle, perfectly preserving sonic integrity.

Why a Backbox is an Integral Part of this Design

- The backbox is required support for the large, heavy, cast-aluminum speaker mounting frame and baffle assembly;
- In concert with the IMS/SHOCK-MOUNT™ system, the Ultra-Rigid™ backbox removes any opportunity for unwanted resonances or standing waves to color sound output;
- Provides the exact engineering-determined internal volume to achieve maximum full-range performance and output;
- Helps reduce the amount of acoustic bleed-through to adjacent rooms.

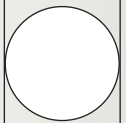
NOTE: SIG-LCR 5 is recommended for professional installation only

Your high quality home deserves high quality sound!


Signature Series



Seamless system matching of Paradigm Reference Signature Custom and freestanding products:
Shown: In-wall SIG-LCR 5s with stand/shelf-mounted C5 center channel



WHITE, PAINTABLE



"A reverberant energy field—sound reflects off walls and ceilings naturally, as it would in a live experience—in seamless harmony with front and center speakers. No-compromise Signature sound, designed for a minimalist aesthetic!"

- Paradigm Design Team





SIG-ADP

OUR INDUSTRY-LEADING ADP SURROUND/REAR TECHNOLOGY IN A 'SIGNATURE' IN-WALL!

For years we were asked to design our ADP (Adapted Dipole) technology around an in-wall application. But an ADP in-wall speaker? Hmm! That was a tough one. Listening test after listening test and a host of 'almost theres' ended up on the testing room floor. That's because we're perfectionists. We wanted the whole package: a large reverberant non-localized soundfield with full-range response (and yes, we do mean FULL RANGE!) supported by Paradigm's Ultra-Rigid™ die-cast mounting system. On top of that, in this case, we wanted Paradigm Reference Signature sound ... the ultimate in reference quality sound, in a class all on its own!

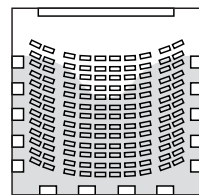
ADP TECHNOLOGY: SURROUND SOUND THE WAY IT WAS MEANT TO BE HEARD!

Conventional forward-radiating speakers cannot reproduce movie theater surround sound in your home. If they are loud enough for their sound to blend with the front speakers they draw attention to themselves. Turn them down so they don't distract you and they won't blend with the fronts. ADP reverberant surround/rear technology is a whole different story:

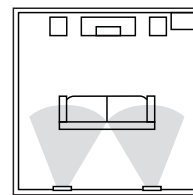
- Just like movie theater speakers, Signature ADP technology envelops you in sound without drawing your attention away from the movie you're watching;
- It adds size and dimension to the soundstage;
- It ensures a seamless transition when sounds and effects move from front and center speakers to surround and rear speakers;
- It's ideal for multichannel music too! The large non-localized soundfield adds multidimensional realism to the acoustic space.

PLACEMENT

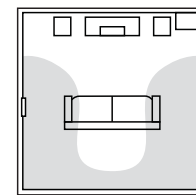
Top view of rooms:



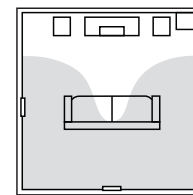
Movie Theater Surrounds



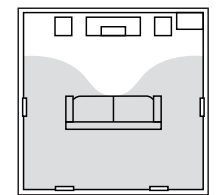
Forward-Radiating Surrounds



Signature ADP Reverberant Surrounds for 5.1 Configuration



Signature ADP Reverberant Surrounds and Rear for 6.1 Configuration



Signature ADP Reverberant Surrounds and Rears for 7.1 Configuration



Signature Series

Signature Series	SIG-1.5R	SIG-1.5R-30 GUIDED SOUNDFIELD™ SYSTEM	SIG-ADP
Design	2-driver, 2-way in-ceiling/in-wall, GRIP™ chassis/mounting bracket	2-driver, 2-way in-ceiling, drivers mounted at 30° relative to mounting surface, Ultra-Rigid™ die-cast chassis with GRIP™ mounting bracket	7-driver, 3-way in-wall/in-ceiling surround/rear, Ultra-Rigid™ die-cast chassis/mounting bracket (optimized reverberant soundfield)
Crossover(s)	3rd-order electro-acoustic at 2.5 kHz	3rd-order electro-acoustic at 2.5 kHz	3rd-order electro-acoustic at 2.5 kHz, 2nd-order electro-acoustic at 550 Hz
High-Frequency Driver(s)	25-mm (1 in) P-Be™ dome, rear damping chamber with ARB™ fins and integrated heatsink, dual super-neodymium magnets, die-cast heatsink chassis	25-mm (1 in) P-Be™ dome, rear damping chamber with ARB™ fins and integrated heatsink, dual super-neodymium magnets, die-cast heatsink chassis	Two 25-mm (1 in) P-Be™ domes, rear damping chamber with ARB™ fins and integrated heatsink, dual super-neodymium magnets, die-cast heatsink chassis
Midrange Driver(s)	n/a	n/a	Four 29-mm (1-1/8 in) x 102-mm (4 in) Co-PAL™ cones, 14-mm (9/16 in) four-layer voice coils, dual super-neodymium magnets, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Bass/Midrange Driver	210-mm (8 in) Co-PAL™ cone, anodized solid-aluminum phase plug, 38-mm (1-1/2 in) dual-layer voice coil, ceramic/ferrite magnets, AVS™ die-cast heatsink chassis	210-mm (8 in) Co-PAL™ cone, anodized solid-aluminum phase plug, 38-mm (1-1/2 in) dual-layer voice coil, ceramic/ferrite magnets, AVS™ die-cast heatsink chassis	n/a
Bass Driver	n/a	n/a	210-mm (8 in) mineral-filled polypropylene cone, 38-mm (1-1/2 in) four-layer voice coil, massive ceramic/ferrite magnet, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Low-Frequency Extension*	37 Hz (DIN)	37 Hz (DIN)	38 Hz (DIN)
Frequency Response: On-Axis 30° Off-Axis	±2 dB from 58 Hz – 45 kHz ±2 dB from 58 Hz – 20 kHz	±2 dB from 58 Hz – 45 kHz ±2 dB from 58 Hz – 17 kHz	±2 dB from 48 Hz – 45 kHz (reverberant soundfield)
Sensitivity – Room/Anechoic	92 dB / 88 dB	92 dB / 88 dB	90 dB / 86 dB
Suitable Amplifier Power Range	15 – 225 watts	15 – 225 watts	15 – 180 watts
Maximum Input Power†	140 watts	140 watts	120 watts
Impedance	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms
External Dimensions: (D or H x W)	22.6 cm / 8-15/16 in	29.6 cm / 11-10/16 in	51.0 cm x 23.1 cm / 20-1/16 in x 9-1/16 in
Minimum Mounting Depth**	10.0 cm / 3-15/16 in	13.9 cm / 5-1/2 in	7.6 cm / 3 in
Cutout Dimensions: (D or H x W)	20.0 cm / 7-14/16 in	27.0 cm / 10-10/16 in	48.6 cm x 20.7 cm / 19-2/16 in x 8-3/16 in
Minimum Internal Volume Required	20 L / 0.70 cu ft	20 L / 0.70 cu ft	20 L / 0.70 cu ft
Weight (unpacked)	1.6 kg / 3.5 lb each	2.0 kg / 4.4 lb each	5.6 kg / 12.3 lb each
Finish	White, paintable	White, paintable	White, paintable
Pre-Construction Bracket (sold sep.)	PB-8R; retrofit included	PB-10R; retrofit included	PB-8x19; retrofit included

* DIN 45 500. Indicates -3 dB in a typical listening room.

† With typical program source, provided the amplifier clips no more than 10% of the time.

** Depth required is the distance between 1/2" drywall, or similar material.

	SIG-LCR 5
Design	6-driver, 3-1/2-way integrated in-wall left/center/right system, critical bracing and volume supplied by required Paradigm® BX-LCR 5 backbox (sold sep.)
Crossovers	3rd-order electro-acoustic at 2.5 kHz, 2nd-order electro-acoustic at 500 Hz, 2nd-order electro-acoustic at 350 Hz (outer bass drivers)
High-Frequency Driver	25-mm (1 in) P-Be™ dome, rear damping chamber with ARB™ fins and integrated heatsink, dual super-neodymium magnets, die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Midrange Driver	115-mm (4-1/2 in) Co-PAL™ cone, anodized solid-aluminum phase plug, 25-mm (1 in) dual-layer voice coil, dual super-neodymium magnets, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Bass/Midrange Drivers	Two 178-mm (7 in) Co-PAL™ cones, anodized solid-aluminum phase plugs, 38-mm (1-1/2 in) dual-layer voice coils, ceramic/ferrite magnets, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Bass Drivers	Two 178-mm (7 in) mineral-filled polypropylene cones, 38-mm (1-1/2 in) four-layer voice coils, massive ceramic/ferrite magnets, AVS™ die-cast heatsink chassis, IMS/SHOCK-MOUNT™
Low-Frequency Extension*	38 Hz (DIN)
Frequency Response: On-Axis 30° Off-Axis	±2 dB from 58 Hz – 45 kHz ±2 dB from 58 Hz – 20 kHz
Sensitivity – Room/Anechoic	94 dB / 90 dB
Suitable Amplifier Power Range	15 – 500 watts
Maximum Input Power†	250 watts
Impedance	Compatible with 8 ohms
Outer Dimensions of Speaker Frame: (H x W)	92.5 cm x 23.0 cm 36-6/16 in x 9-2/16 in
Weight (unpacked)	Speaker: 10.4 kg / 23 lb each; Backbox: 19.0 kg / 42 lb each
Finish	White, paintable
Required Backbox (sold sep.)	BX-LCR 5

	VC-150
	<p>Paradigm® VC-150 High-End Volume Control Vastly superior signal delivery with exceptionally flat frequency response and ultra-low distortion.</p> <ul style="list-style-type: none"> • Stereo design • Impedance matching (safe operation with any amplifier) • Connects up to 16 pairs of speakers to one amplifier • Suitable for amplifiers up to 150 watts • Total attenuation of -52 dB • Frequency response: 20 Hz – 20 kHz, +1/ -0.5 dB • Accommodates up to 14-gauge wire • Easy-connect™ locking speaker terminal block • Noise-free operation (12 volume positions including off) • Fits into a single gang junction box with 2-9/16 inch depth (or more) • Removable plastic decora insert with integrated knob • Splined shaft allowing the knob to be positioned as required • 10-year limited warranty

