

IW-155SR Surround Speaker



No-compromise surround performance for diffuse-field and object-based audio

The IW-155 SR is a high-performance in-wall/in-ceiling surround speaker that delivers spacious, enveloping surround effects for top-grade home theater systems. It features an innovative dual-concentric driver design capable of filling the listening area with three-dimensional lifelike theater sound, whether the system is based on non-directional ambient sound or object-based positional audio. The IW-155SR consists of dual 5.25" woofers and 1" silk dome tweeters mounted in a non-resonant medium density fiberboard (MDF) baffle. Using MDF for the baffle instead of the thin, vibration-prone plastic used in ordinary in-wall speakers gives the 155 SR's drivers a far more solid "acoustic footing" from which to launch their sound, resulting in cleaner output and greater resolution of low-level details.

The speaker features switchable dipole/bipole mode: Use dipole mode for diffuse-field surround sound, such as 5.1 Dolby True HD or bipole mode for precise object-based surround formats such as Dolby Atmos. Either mode will fill a large home listening area with lifelike, dramatic surround effects.

The thin bezel grille is magnetically attached to the frame and can be easily removed or re-attached. The grille can be painted to match virtually any décor so the 155SR will blend into the room and become virtually invisible.

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Gold plated connectors



Audiophile-grade crossover



Paintable thin-bezel grille and frame



Magnetic grille attachment

Dipole or bipole: That is the question.



If you are planning to use the IW-155SR in a 5.1, 7.1 or 9.1 Dolby True HD or DTS Master Audio-based home theater, we recommend setting the switch to Dipole mode. Dipole puts the two driver arrays out of acoustic and electric phase with each other, so in the

near field, their outputs cancel, resulting in a very non-localizable sound field. This is ideal for reproducing non-directional effects like rustling leaves or the general hustle-and-bustle of a crowded city street.

If you are setting up a Dolby Atmos or DTS-X home theater, set the IW-155SR to Bipole mode (the speaker arrays in phase with each other). The positional audio in Dolby Atmos and other object-based systems requires precise sound localization from the surround speaker. Bipole speakers deliver very definitive imaging and outperform Dipole speakers in these instances.

Specifications

IW-155SR	
Type	2-way dipole/bipole switchable
Drivers	Woofer (2) 5 1/4" (135mm) GLH* Tweeter (2) 1" (25.4mm) soft dome
Frequency Response	80-20kHz ±3dB
Nominal Impedance	6Ω
Crossover Frequency	3500Hz
Sensitivity	88dB
Recommended Power	25 - 150 Watts
Overall Dimensions (W x H x D)	15 1/2 x 8 1/2 x 3 3/4"
	395 x 216 x 97mm
Cutout Dimensions (W x H)	14 1/2 x 7 1/8"
	362 x 181mm
Optimum Sealed Enclosure Volume	1.0 cu. ft.
Net Weight (ea)	8lbs; 3.7kg

*Graphite Loaded Homopolymer

*IR Receiver not included

Feel free to experiment with both switch positions. Since the magnetic attachment of the grille makes removal and reattachment quick and easy, you can easily go from Dipole to Bipole depending on your choice of program material or personal preference.