

# CustomSound™ CS650 Premium 2-Way In-Ceiling Speaker



This superb group of architectural speakers embody over 40 years of cutting edge research in the field of acoustics and loudspeaker design. Musical, refined, and nearly invisible, these speakers can create a beautiful ambience, even in larger spaces. Because their sonic signature is identical to other PSB speakers, these CS600's can integrate perfectly as part of home theatres or as the soundtrack of the connected home. Since PSB has in-room, on-wall, outdoor, in-wall and in-ceiling designs at many different price points, it makes it easy to specify an audio system that you know will turn out right, be easy to specify and install, and will absolutely thrill even your most discriminating clients.

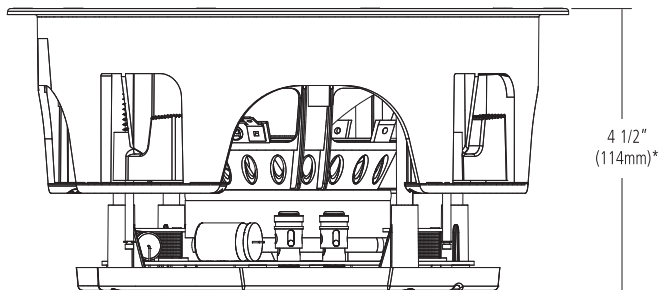
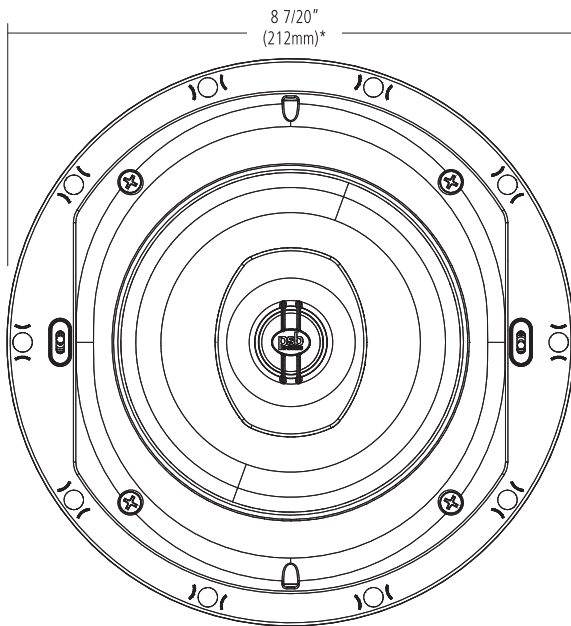
There are three models in this series, and all feature frameless magnetic grilles with invisible scrims. Both round and square grilles are provided, simplifying and reducing your inventory requirements. Each model features a simple, foolproof mounting system using heavy duty Delrin dogs. Cutting templates are included. Pre-construction brackets are also available.

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For primary listening areas or very large rooms, the premium woofer of the CS650 pays huge dividends in bass output and extension. This woofer includes a few of the tricks PSB has developed for its top-of-the-line Imagine T3 speaker to get higher sensitivity and lower harmonic distortion at high playback levels. It retains all of the other features and advantages of its more affordable little brother, with an upgraded 1" titanium tweeter with Wave Guide and indexed adjustment for precise adjustment of the tweeters acoustic axis. Also featured are acoustic adjustments for the mid/woofer and tweeter level.

- 6 1/2" 2-way in-ceiling flush mount speaker
- Proprietary Imagine carbon-filled polypropylene cone with injection molded basket
- Proprietary Imagine 1" titanium dome tweeter with neodymium magnet
- Aimable indexed tweeter angle adjustment
- Precision crossover network for smooth wide-band response
- Dual position switches for tweeter level and woofer level
- High strength doglegs for easy installation and removal
- Includes both round and square magnetic frameless grilles

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<b>Frequency Response</b> <small>(Anechoic Chamber)</small>	
On Axis @ 0°±3dB	48-20,000Hz
<b>Sensitivity</b> <small>(1W (2.83V) @ 1M, IEC-Filtered pink noise, C-weighted)</small>	
Anechoic Chamber	86dB
Listening Room	88dB
<b>Impedance</b>	
Nominal	6 Ohms
Minimum	4 Ohms
<b>Input Power</b> <small>(RMS, Clipping &lt;10% Time)</small>	
Recommended	10-100 Watts
<b>Acoustic Design</b>	
Tweeter (Nominal)	1" (25mm) titanium dome with ferrofluid
Woofer (Nominal)	6 1/2" (165mm) Carbon-filled polypropylene cone Rubber surround
Design Type	Open back
EQ Adjustment	Tweeter and woofer switch
<b>Size (W x H x D)</b> <small>(Gross Dimensions)</small>	
Mounting Depth	4 1/2" (114mm)*
Mounting Diameter	8 7/20" (212mm)*
Grill Round	9 2/5" (240mm)*
Grill Square	9 2/5 x 9 2/5" (240mm x 240mm)*
<b>Both round and square grills supplied</b>	
<b>Finish</b>	
	White

\* Non-metric measurements are approximate.

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