

# Architectural Series

IN-CEILING SPEAKERS



REDEFINING THE WAY YOU EXPERIENCE SOUND.™

# RBH Sound Architectural Series In-ceiling Speakers

RBH Sound was among the first audio pioneers to see the need for in-ceiling speaker systems that were great sounding and cost effective. Not content to just create another in-ceiling speaker that pumps out decent background music, RBH Sound set out to create an entire series of high-quality, great sounding in-ceiling speakers that meet not only our own high standards, but also our customers. The following high quality components have been selected by our engineers for use in our in-ceiling speaker systems.

## Swivel Neodymium Tweeters:

This tweeter can be angled up to 30° off axis to provide accurate imaging anywhere in your room. This compact magnet is made from Neodymium, a rare earth metal with the strongest magnetic flux density of any magnetic alloy.

**Acoustic Lens:** By dispersing the high frequency energy, the acoustic lens improves the off-axis response of dome tweeters. This refocusing produces smooth high frequency reproduction over a larger listening area.

**Paintable Grilles:** If you desire to completely conceal your in-ceiling speakers, the ABS frame and metal grille can be painted to match the ceiling.

**PolyGraphite Woofers:** The rigid structure and uniform density of our graphite woofers provide for accurate mid-range reproduction and extended low frequency response. RBH speaker products feature voice coil formers manufactured from an aerospace material capable of handling very high temperatures, while increasing power handling and lowering distortion.

**Silk Dome Tweeters:** The fine mesh structure of Silk domes ensures smooth and natural reproduction of vocal and musical passages without any harshness.

**Mylar Capacitors:** RBH uses Mylar capacitors in critical crossover components. Mylar is a dielectric polymer which allows clean transfer of high frequency signals. Mylar capacitors minimize distortion and produce uncolored high frequency response.

**Protection Devices:** We want your speakers to last so we have integrated the best current interrupt devices available into our crossover circuitry. Current interrupt devices operate faster than fuses or thermistors and do not require replacement. This self-resetting protection device helps ensure safe operation of RBH speaker systems for years to come.



### **A-505R** In-ceiling 2-way Synchronous Speaker

**Frequency Response:** 60Hz-20kHz (±3dB)  
**Sensitivity:** 88dB (2.83V @ 1 Meter)  
**Recommended Power:** 10-75 Watts  
**Drive Units:** (1) 5-1/4" (165mm) Woofer  
 (1) 3/4" (19mm) Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 6-3/4" (172mm) Dia.  
**Finished Dimensions:** 7-3/4" Dia. x 3" D  
 (197mm Dia. x 89mm D)  
**Weight:** 2.7 lbs. (1.22 kg)



### **QM-615** Slim Line 2-way In-ceiling Speaker

**Frequency Response:** 55Hz-20kHz (±3dB)  
**Sensitivity:** 88dB (2.83V @ 1 Meter)  
**Recommended Power:** 2-80 Watts  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 8-3/8" (213mm) Dia.  
**Finished Dimensions:** 9-3/8" Dia. x 3" D  
 (238mm Dia. x 76mm D)  
**Weight:** 3.45 lbs. (1.56 kg)



### **A-615** In-ceiling 2-way Speaker

**Frequency Response:** 55Hz-20kHz (±3dB)  
**Sensitivity:** 90dB (2.83V @ 1 Meter)  
**Recommended Power:** 10-80 Watts  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 7-3/4" (197mm) Dia.  
**Finished Dimensions:** 9-1/8" Dia. x 3-7/8" D  
 (232mm Dia. x 98mm D)  
**Weight:** 3.45 lbs. (1.56 kg)



### **A-615D** In-ceiling 2-way Dual Channel Speaker

**Frequency Response:** 55Hz-20kHz (±3dB)  
**Sensitivity:** 90dB (2.83V @ 1 Meter)  
**Recommended Power:** 10-80 Watts  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (1) 3/4" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms x2  
**Cutout Dimensions:** 7-3/4" (197mm) Dia.  
**Finished Dimensions:** 9-1/8" Dia. x 4" D  
 (232mm Dia. x 102mm D)  
**Weight:** 3.35 lbs. (1.52 kg)



### **A-615L** In-ceiling 15-degree Fixed Offset LCR Speaker

**Frequency Response:** 55Hz-20kHz (±3dB)  
**Sensitivity:** 90dB (2.83V @ 1 Meter)  
**Recommended Power:** 10-80 Watts  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 7-3/4" (197mm) Dia.  
**Finished Dimensions:** 9-1/8" Dia. x 4-3/4" D  
 (232mm Dia. x 121mm D)  
**Weight:** 3.45 lbs. (1.59 kg)



### **A-815** In-ceiling 2-way Speaker

**Frequency Response:** 50Hz-20kHz (±3dB)  
**Sensitivity:** 90dB (2.83V @ 1 Meter)  
**Recommended Power:** 10-100 Watts  
**Drive Units:** (1) 8" (203mm) Woofer  
 (1) 1" (25mm) Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 9-3/4" (248mm) Dia.  
**Finished Dimensions:** 10-3/4" Dia. x 4-3/4" D  
 (273mm Dia. x 121mm D)  
**Weight:** 5 lbs. (2.27 kg)



### **A-605/70** In-ceiling 2-way Speaker

**Frequency Response:** 88Hz-20kHz (±3dB)  
**Sensitivity:** 88dB (2.83V @ 1 Meter)  
**Recommended Power:** 2-60 Watts\*  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms /70/100 Volt\*  
**Cutout Dimensions:** 8" (203mm) Dia.  
**Finished Dimensions:** 9-1/8" Dia. x 4-1/2" D  
 (232mm Dia. x 76mm D)  
**Weight:** 4 lbs. (1.81 kg)

\* 70/100 volt transformer included. Taps @ 2, 4, 8, 16, and 32 Watts.

*Hear what the fusion of premium parts and superior design can do for your ears.  
Hear the difference today.*



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