

# MC Series

IN-WALL SPEAKERS AND IN-WALL SUBWOOFER



REDEFINING THE WAY YOU EXPERIENCE SOUND.™

# RBH Sound MC Series In-wall Speakers & In-wall Subwoofer

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.

**Aluminum Cones:** Aluminum is the ultimate rigid cone material, providing a non-compressing piston area for unparalleled bass 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.

**Aluminum Dome Tweeters:** Aluminum is one of the strongest and lightest metals known to man. Aluminum domes have excellent dispersion off-axis for room-filling high frequency accuracy.

**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.



## In-wall Speakers



### MC-414 In-wall 2-way Speaker

**Frequency Response:** 55Hz-20kHz (±3dB)  
**Sensitivity:** 91dB (2.83V @ 1 Meter)  
**Recommended Power:** 15-150 Watts  
**Drive Units:** (2) 4" (102mm) Woofers  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,500 Hz  
**Impedance:** 6 Ohms  
**Cutout Dimensions:** 6" W x 14-1/4" H  
 (152mm W x 362mm H)  
**Finished Dimensions:** 7-3/16" W x 15-3/8" H x 2-7/8" D  
 (183mm W x 391mm H x 73mm D)  
**Weight:** 5.85 lbs. (2.65 kg)



### MC-616 In-wall 2-way Speaker

**Frequency Response:** 50Hz-20kHz (±3dB)  
**Sensitivity:** 91dB (2.83V @ 1 Meter)  
**Recommended Power:** 15-180 Watts  
**Drive Units:** (2) 6-1/2" (165mm) Woofers  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 6 Ohms  
**Cutout Dimensions:** 7-3/4" W x 19" H  
 (197mm W x 483mm H)  
**Finished Dimensions:** 8-7/8" W x 20-1/4" H x 3-1/2" D  
 (225mm W x 514mm H x 89mm D)  
**Weight:** 5.05 lbs. (2.43 kg)



### MC-6 In-wall 2-way Speaker

**Frequency Response:** 50Hz-20kHz (±3dB)  
**Sensitivity:** 86dB (2.83V @ 1 Meter)  
**Recommended Power:** 15-120 Watts  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (1) 1" (25mm) Swivel Tweeter  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 7-1/4" W x 11/4" H  
 (216mm W x 279mm H)  
**Finished Dimensions:** 8-1/2" W x 12" H x 3-1/2" D  
 (216mm W x 305mm H x 89mm D)  
**Weight:** 4.9 lbs. (2.22 kg)



### MC-553 In-wall/LCR Dual 2-way Speaker

**Frequency Response:** 55Hz-20kHz (±3dB)  
**Sensitivity:** 88dB Main, 87dB Center, and  
 90dB Combined (2.83V @ 1 Meter)  
**Recommended Power:** 15-150 Watts Main, 15-100 Watts  
 Center and 15-200 Watts Combined  
**Drive Units:** (3) 5-1/4" (133mm) Woofers  
 (2) 1" (25mm) Swivel Tweeters  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms Main, 6 Ohms Center and  
 4 Ohms Combined  
**Cutout Dimensions:** 6-5/8" W x 26-3/4" H  
 (168mm W x 680mm H)  
**Finished Dimensions:** 7-7/8" W x 28-1/8" H x 3-3/8" D  
 (181mm W x 714mm H x 80mm D)  
**Weight:** 9 lbs. (4.08 kg)



### MC-6DB In-wall 2-way Speaker

**Frequency Response:** 50Hz-20kHz (±3dB)  
**Sensitivity:** 88dB (2.83V @ 1 Meter)  
**Recommended Power:** 15-120 Watts  
**Drive Units:** (1) 6-1/2" (165mm) Woofer  
 (2) 3/4" (19mm) Swivel Tweeters  
**Crossover Frequency:** 3,000 Hz  
**Impedance:** 8 Ohms  
**Cutout Dimensions:** 7-1/4" W x 11" H  
 (216mm W x 279mm H)  
**Finished Dimensions:** 8-1/2" W x 12" H x 3-1/2" D  
 (216mm W x 305mm H x 89mm D)  
**Weight:** 5.05 lbs. (2.43 kg)

## In-wall Subwoofer



### MCS-88 In-wall Subwoofer

**Frequency Response:** 35Hz-100Hz (±3dB)  
**Sensitivity:** 90dB (2.83V @ 1 Meter)  
**Recommended Power:** 100-200 Watts  
**Drive Units:** (2) 8" (203mm) Woofers  
**Impedance:** 8 Ohms x2  
**Cutout Dimensions:** 9" W x 17-1/2" H  
 (229mm W x 445mm H)  
**Finished Dimensions:** 10-1/8" W x 18-3/4" H x 4" D  
 (257mm W x 476mm H x 102mm D)  
**Weight:** 10.9 lbs. (4.94 kg)



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