

The new Radia R-400C by BG is a state-of-the-art in-wall center channel loudspeaker featuring BG's latest planar ribbon technology in a unique multiple-driver configuration. It is ideally suited for the most demanding home theater applications or critical music listening in multi-channel audio. While the R-400C can be used in virtually any high-performance system, it was designed to perfectly complement the new Radia R-800 or R-600 to create the finest architectural in-wall solution on the market.

At the heart of the R-400C are BG's proprietary planar ribbon drivers based on the company's patented technology. In any center channel speaker design, controlled directivity, smooth off-axis frequency response and high output are critical to achieve the best performance. In the Radia R-400C, BG utilizes four Neo8 Ribbon Midrange Drivers combined with two Neo3 Ribbon Tweeters in a symmetrical array using an innovative tapering technique.

Tapering is frequency-dependent attenuation that allows a progressive change of the apparent length of the array. In order to insure controlled directivity without lobing, it is necessary to taper the array and avoid using multiple drivers at wavelengths less than the driver spacing. At the same time, tapering allows using arrayed drivers in certain frequency bands and thus achieving high SPL outputs required for a realistic home theater experience.

Completing the design of the R-400C are two 8" long-throw woofers which effectively operate from 50 Hz to 300 Hz. The twin woofers feature a unique dual-gap motor structure that provides superior linearity and higher undistorted output than conventional designs. This enables the R-400C to achieve both high sensitivity and output - incredible for a ribbon-based loudspeaker.

The Radia R-400C provides the output, power handling, controlled dispersion and amazing clarity to make it a perfect match for either the Radia R-800 or R-600.



- **Cutting edge** Patented BG planar ribbon drivers for amazing clarity
- **Smooth response** Drivers arranged in unique tapering technique in machined aluminum front baffle
- **Awesome bass** Unique woofer technology with ultra-low distortion
- **Highest performance** Unsurpassed value for an in-wall center channel



➤ **GENERAL PARAMETERS:**

System type	Symmetrical constant directivity array with amplitude tapering
System dimensions (HxWx Installed D/Grille D)	38 1/4" x 11 5/8" x 1 1/4" (97 x 29.4 x 3.2 cm)
Weight	36 lbs. (16 kg)
Wall cut-out size	35 5/16" x 10 3/8" (89.7 x 26.4 cm)
Driver configuration	2 x 8" dual-gap long-throw woofers in a controlled directivity array 4 x Neo8 Planar Midranges in symmetrical horizontal array with amplitude shading 2 x Neo3 Planar Ribbon Tweeters in vertical array with amplitude shading
Crossover	300 Hz, 1.5 kHz, Linkwitz-Riley second order in acoustical domain
Frequency response	50 Hz – 20 kHz (-6 dB, half space)
Sensitivity	93 dB/2.83V/1m
Rated impedance	4 ohms
Power handling	400 W RMS
Warranty¹	Lifetime to the original owner

The Radia R-400C Center Channel is currently available through BG's authorized network of specialty custom retailers and integrators.

¹ Please see BG warranty for complete details