

The new Radia R-500 by BG represents the finest technology ever available in an architectural loudspeaker. In the heart of the new Radia Series lineup, the R-500 brings vivid clarity and lifelike performance to medium to large home theater or music systems. The frame's narrow 7" width and elegant contour are an ideal architectural complement to large flat TV or even large screen projection systems. Yet the R-500 delivers astounding sonic performance that belies its modest dimensions.

Like its two larger siblings, the R-500 features BG's outstanding wideband planar ribbon driver, the Neo10, along with BG's proprietary Neo3 tweeter. The Neo10 is a 10" x 5" Planar Ribbon Midrange Driver based on the company's proprietary technology. Significantly larger in size than other BG ribbons, the Neo10 sets new standards for sensitivity, output, power handling and accuracy. In fact, the driver's size allows it to move substantial amounts of air while keeping diaphragm excursion at relatively low levels. Controlled excursion translates into lower distortion and higher sensitivity while providing amazing clarity and linear response.

The R-500's drivers are configured in a symmetric controlled directivity array. The driver configuration and crossover frequencies are chosen so that the vertical directivity of the R-500 is controlled to 20 degrees and is constant through most of the operational frequency band. This provides effective reduction of floor and ceiling reflections and delivers consistent intelligible and spectrally balanced sound in virtually any room and to a wide area of seats. The R-500 offers an additional advantage by allowing more freedom in vertical placement and can always be installed alongside of the screen, even if the latter is located other than an optimum height.

For the bass section, R-500 employs new high-performance 5.25" woofers which feature a powerful Neodymium magnet system and acoustically transparent chassis. The woofers are optimized for power handling and sensitivity to keep up with the dynamic output of the Neo10 and Neo3 drivers.





- **High performance** Proprietary Neo10 Planar Ribbon Midrange Driver
- **Flexible placement** Symmetric controlled directivity array for optimum dispersion and flexibility of placement
- **High sensitivity and output** Can be driven with moderate-sized amplifiers
- **Lifelike** New high-performance woofers with Neodymium magnets and acoustically transparent chassis. Optimized for use with Neo10 and Neo3 ribbons

➤ **GENERAL PARAMETERS:**

<b>System type</b>	Three-way, symmetrical, controlled directivity array
<b>System dimensions (HxWx Installed Grille H)</b>	48 15/16" x 7 1/8" x 3/4" (124.2 x 17.8 x 1.9 cm)
<b>Weight</b>	29 lbs. (13 kg)
<b>Wall cut-out size</b>	47" x 5 7/8" (119.4 x 15.2 cm)
<b>Driver configuration</b>	4 x 5.25" long-throw Neodymium magnet woofers 2 x Neo10 Wideband Planar Drivers 1 x Neo3 Planar Ribbon Tweeter
<b>Crossover</b>	300 Hz, 2.2 kHz, Linkwitz-Riley second order on all low pass, first order on all high pass for planar ribbon drivers
<b>Frequency response</b>	60 Hz – 20 kHz (-6 dB, half space)
<b>Sensitivity</b>	91 dB/2.83V/1m
<b>Rated impedance</b>	8 ohms
<b>Power handling</b>	300 W RMS
<b>Warranty<sup>1</sup></b>	Lifetime to the original owner

**The Radia R-500** is available through BG's authorized network of specialty custom retailers and integrators.

1. Please see BG warranty for complete details