

The new Radia R-800 by BG represents the finest technology ever created in an architectural loudspeaker. Consistent with the BG legacy of a true line source, the R-800 creates new benchmarks in sensitivity, output and accuracy with performance that rivals the finest freestanding loudspeakers. Ideally suited for either lifelike home theater or critical music listening, the R-800 is as elegant in appearance as it is awesome in sonic fidelity. When paired with the new Radia R-400C Center Channel and/or R-88 In-Wall Subwoofer, the result is an overall experience that must be heard to be believed.

At the heart of the R-800 is BG's all new Neo10 – a 10" x 5" Planar Ribbon Midrange Driver based on the company's proprietary and patented 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.

Completing the system is the R-800's impressive low frequency section, comprised of dual 8" long-throw woofers and a dedicated dual-channel amplifier (BGA-2500) incorporating high performance technology. The woofers, located at the top and bottom of a machined aluminum front baffle, feature a unique dual-gap motor structure that provides superior linearity and low frequency accuracy over conventional designs. This results in significantly lower distortion, wider dynamics and greatly improved performance. The combination of the BGA-2500 Amplifier and twin woofers delivers low frequency performance not previously achieved inside of a wall.

- **Cutting edge** Proprietary Neo10 Planar Ribbon Midrange Driver
- **Flexible placement** Line Source acoustically coupled array with controlled vertical, wide horizontal dispersion
- **Awesome Bass** Unique dual-gap, long-throw woofer technology for high output, linear response and low distortion





> **GENERAL PARAMETERS:**

System type	Three-way discrete line array in-wall system with active woofer section
System dimensions (HxWx Installed grille H)	81 7/16" x 11 5/8" x 1 1/4" (206.8 x 29.4 x 3.1 cm)
Weight	64 lbs. (29 kg)
Wall cut-out size, HxW	78 1/2" x 10 3/8" (199.4 cm x 26.4 cm)

> **LF WOOFER SECTION:**

Driver complement	2 x 8" dual-gap long-throw woofers in controlled directivity array configuration
Frequency response	20 Hz – 250 Hz (-6 dB, half space)
Nominal impedance	4 ohms

> **PLANAR RIBBON ARRAY:**

Driver configuration	Uniformly driven 6 - Neo10 Planar Midrange Panels in a vertical array Uniformly driven 16 - Neo3PDR Planar Ribbon Tweeters in a vertical array
Crossover	250 Hz, 1.5 kHz, Linkwitz-Riley second order in acoustical domain
Frequency response¹	250 Hz - 20 kHz (-6 dB, half space)
Sensitivity¹	93 dB/2.83 V/1m
Rated impedance	4 ohms (2 kHz - 20kHz), 40 ohms (250 Hz - 2 kHz)
Power handling	500 W RMS

> **BGA-2500 AMPLIFIER:**

Rated power	2 x 500 W RMS
S/N ratio	(20 Hz - 20 kHz) > 95 dB
THD+N	(500 W, 20 Hz - 1 kHz) < 1%
Input impedance	20 k Ω
Input level for rated power	1000 mV
Signal connections	Two line-level RCA inputs, two line-level RCA outputs (pass through) Two pairs of high-level speaker outputs (5-way binding posts)
Controls	Power Auto/On, Level
Phase	0 - 180° continuous
Crossover	Variable 40 Hz - 150 Hz/fixed 250 Hz
Dimensions	3.95" x 16.9" x 14.7" (100 x 430 x 374 mm)
Weight	17.5 lbs (8 kg)
Warranty²	Lifetime warranty on R-800. Five years on BGA-2500.

The Radia R-800 system is comprised of two R-800 loudspeakers and one BGA-2500 amplifier. It is currently available through BG's authorized custom retailers and integrators.

1. Measured @ 3m (10'), ground plane and referenced to 1m free-field equivalent
2. Please see BG warranty for complete details