

**The award-winning Radia R-800P** by BG Radia represents the finest design and engineering technology ever available in an architectural loudspeaker. Consistent with the BG legacy of a true line source, the R-800P delivers new levels of sensitivity, output and accuracy with performance that rivals the finest freestanding loudspeakers. Ideally suited for either life-like home theater or critical music listening, the R-800P is as elegant in appearance as it is awesome in sonic fidelity. When paired with other Radia Series speakers and our BGX subwoofer in particular, the result is an overall experience that must be heard to be believed.

At the heart of the R-800P is BG's critically-acclaimed 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.

A (16) driver line array of BG's benchmark Neo3PDR tweeters handle the R-800P's high frequencies and define the system's precise vertical coverage.

Completing R-800P is its prodigious low frequency section, comprised of dual 8" long throw woofers with Kevlar®-paper composite cones. The unique woofer basket design reduces air turbulence and improves cooling. The woofers, each located at the top and bottom of the baffle, utilize dual gap (XBL<sup>2</sup>) technology which features a unique motor structure yielding twice the linear excursion of a conventional woofer and virtually eliminates voice coil inductance modulation. The result is significantly lower distortion, wider dynamics and greatly improved performance over its predecessor.

- Line Source acoustically-coupled array with controlled vertical and wide horizontal dispersion
- Patent-pending Neo10 planar ribbon midrange driver
- Famous Neo3PDR tweeter utilized in a (16) driver line array
- Unique dual gap woofer topology delivers dramatically lower distortion





› **GENERAL PARAMETERS:**

<b>System type</b>	Three-way discrete line array in-wall loudspeaker
<b>System dimensions (HxWx Installed D/Grille D)</b>	81.5" x 11.58" x 3.7"/1.2" (2070 x 294 x 94/30 mm)
<b>Weight</b>	70 lbs. (32 kg)
<b>Wall cut-out size, HxW</b>	78.4" x 10.4" (1992 mm x 264 mm)

› **DRIVER COMPLEMENT:**

<b>LF</b>	2 - 8" woofers in controlled directivity array
<b>MF</b>	6 - Neo10 planar ribbon line array
<b>HF</b>	16 - Neo3PDRW planar ribbon line array
<b>Crossovers</b>	280 Hz, 1.5 kHz, 2 <sup>nd</sup> order Linkwitz-Riley
<b>Frequency response</b>	57 Hz – 25 kHz (-6 dB, half space, in 85 L/3 cu. ft. closed box)
<b>Power handling</b>	500 W (AES) 1000 W max (long-term IEC 60286-5)
<b>Nominal impedance</b>	4 ohms
<b>Max SPL</b>	120 dB/1m (band-limited pink noise, C-weighted)
<b>Sensitivity</b>	2.83 V/1m* 91 dB

\* Measured at 3m (10 ft.) and scaled to 1m .



Patented Neo10 Advanced Planar Ribbon driver

**The Radia R-800P** loudspeaker comes with a limited lifetime warranty and is available now to order. Like all BG Radia products, the R-800P is available only through our authorized network of specialty custom retailers and integrators.