



**Phoenix Gold International, Inc.**  
9300 North Decatur St.  
Portland, OR 97203  
Tel: 503.286.9300  
Fax: 503.978.3381

**Europe - Phoenix Gold Europe**  
Ter Heidelaan  
3200 Aarschot  
Belgium  
Tel: 32.16.553.556  
Fax: 32.16.553.559

**Canada - Trends Electronics**  
#100 980 West St.  
North Vancouver, BC V7P 3N4  
Tel: 604.988.2966  
Fax: 604.988.4122  
[www.trendsinc.com](http://www.trendsinc.com)

[www.PHOENIXGOLD.com](http://www.PHOENIXGOLD.com)

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**PHOENIXGOLD™**



# THE RADIAL SD ADVANTAGE™

The Radial Sd Advantage starts with the reputation for quality and performance that Phoenix Gold has been known for from its beginnings in 1985 to the present.

Research and Development is conducted in house by Phoenix Gold's staff of dedicated engineers and industry professionals. Phoenix Gold electronics, speakers and accessories are perfect for either the simple factory upgrade or the full blown extreme installation.

Phoenix Gold is dedicated to developing high-end audio components known for innovative engineering, exclusive technology, precision build quality, unsurpassed service and award winning audio reproduction.

Radial Symmetry Design is the direct result of high performance technology blending with automotive styling. Radial Sd came from a desire to provide a product that truly belongs in a car. The way it looks, is the way it performs: tough, reliable, smooth and resilient. Radial Symmetry is a basic natural symmetry that provides balanced features arranged around a central point, like spokes on a wheel. The entire Radial Sd line has been designed around this principle. Everything from the amplifier's basic geometry to the stylized cast end caps was created by rotating elements around a central point. This builds a revolutionary design that complements the interior of any vehicle while blending both form and function.

Designed with just one thing in mind, performance, the Radial Sd line has been over built from the inside out to provide rock solid stability and reliability. With distinctive cosmetics and versatile performance Radial Sd will be the next milestone born of the Phoenix Gold legacy.

Each speaker in the Radial Sd line has been designed with exciting cosmetics and durable construction to complement the new Radial Sd amps. The Radial Sd coax and separates epitomize our desire to design and manufacture the best speakers in the industry.

Radial Sd speakers coupled with the new Radial Sd amplifiers will provide the performance and sound quality that will be the envy of everyone.

Power, performance and sound quality coupled with bold new cosmetics describes Phoenix Gold's new Radial Sd Advantage.



## AMPLIFIERS

Model	Power Output 4 ohms, 1kHz and ≤ 1% THD+N	Power Output 2 ohms, 1kHz and ≤ 1% THD+N	Dimensions
RSd250.2	87W x 2	130W x 2	12 <sup>7</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>16</sub> " x 2 <sup>3</sup> / <sub>8</sub> "
RSd300.4	53W x 4	80W x 4	16 <sup>7</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>16</sub> " x 2 <sup>3</sup> / <sub>8</sub> "
RSd500.4	85W x 4	135W x 4	19 <sup>1</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>16</sub> " x 2 <sup>3</sup> / <sub>8</sub> "
RSd300.1	200W x 1 <sup>1</sup>	310W x 1 <sup>1</sup>	12 <sup>7</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>16</sub> " x 2 <sup>3</sup> / <sub>8</sub> "
RSd600.1	425W x 1 <sup>1</sup>	650W x 1 <sup>1</sup>	16 <sup>7</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>16</sub> " x 2 <sup>3</sup> / <sub>8</sub> "
RSd1200.1	775W x 1 <sup>1</sup>	1200 x 1 <sup>1</sup>	19 <sup>1</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>16</sub> " x 2 <sup>3</sup> / <sub>8</sub> "

<sup>1</sup>Monoblocks are measured at 100Hz

Model	250.2	300.4	500.4	300.1	600.1	1200.1
Power Output (RMS @ 4 ohms and ≤ 1% THD+N)	76W x 2	48W x 4	78W x 4	180W x 1	400W x 1	675W x 1
Signal to Noise Ratio (reference: 1W output @ 4 ohms)	85dBA	83dBA	85dBA	84dBA	82dBA	79dBA
Additional Power Output (RMS @ 2 ohms and ≤ 1% THD+N)	113W x 2	68W x 4	118W x 4	300W x 1	600W x 1	1000W x 1
Frequency Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz	10Hz - 300Hz	10Hz - 265Hz	10Hz - 293Hz
Effective Damping Factor @ 4 ohms	6.058	6.35	6.35	6.39	6.39	6.36
Maximum Input at clipping	8.5V	9V	8.5V	11.8V	10V	9V
Maximum Sensitivity at clipping	226mV	200mV	200mV	226mV	200mV	215mV

**CEA-2006  
Specifications**

All Radial Sd amplifiers are designed, engineered, manufactured and tested in accordance with CEA-2006 amplifier rating requirements.

## COAXIALS

Model	Description	Power Handling (Minimum RMS / Peak)	Impedance (ohm)	Frequency Response	Sensitivity 2.83V/1M (dB)
RSd3	3.5 in. Coax.	5W / 60W	4	100Hz - 10kHz	86
RSd4	4 in. Coax.	5W / 80W	4	80Hz - 20kHz	89
RSd5	5.25 in. Coax.	5W / 100W	4	70Hz - 20kHz	91
RSd6	6 in. Coax.	5W / 100W	4	65Hz - 20kHz	91
RSd6.5	6.5 in. Coax.	5W / 120W	4	65Hz - 20kHz	92
RSd460	4x6 in. Coax.	5W / 80W	4	100Hz - 20kHz	90
RSd570	5x7 in. Coax.	5W / 100W	4	65Hz - 20kHz	92
RSd690	6x9 in. Coax.	5W / 160W	4	55Hz - 20kHz	92

## COMPONENTS

Model	Description	Power Handling (Minimum RMS / Peak)	Impedance (ohm)	Frequency Response	Sensitivity 2.83V/1M (dB)
RSd5cs	5.25 in. Comp. Set	5W / 120W	4	65Hz - 20kHz	91
RSd6cs	6 in. Comp. Set	5W / 120W	4	50Hz - 20kHz	91
RSd65cs	6.5 in. Comp. Set	5W / 120W	4	45Hz - 20kHz	91

## SUBWOOFERS

Model	Description	Power Handling (RMS / Peak)	Impedance (ohm)	Frequency Response	Sensitivity 2.83V/1M (dB)
RSd10/10d	10 in. Subwoofer	350W / 700W	4 (4/4 10d)	25Hz - 200Hz	90
RSd12/12d	12 in. Subwoofer	350W / 700W	4 (4/4 12d)	20Hz - 200Hz	90

### FEATURES:

- Built-in 18dB Per Octave Crossover
- On Board Protection
- High Speed / Current Mosfet Switching Power Supply
- High Speed / Voltage Fully Complementary Output Stage
- Remote Monitoring Display (RMD) Port
- Line Level Outputs
- Wide Range Input Sensitivity Adjustment
- Multi-function Protection Indicator
- Variable Bass Boost
- Monoblocks are Low Pass Level Control (LPL44) Ready

### FEATURES:

- CAE/CAD Performance Design
- Injection Molded Aluminum Plated Polypropylene Cone
- Butyl Rubber Surround
- Interwoven Tinsel Leads
- Rigid Powder Coated Steel Frame
- Optimized Magnet/Motor Structure

### FEATURES:

- CAE/CAD Performance Design
- Injection Molded Aluminum Plated Polypropylene Cone
- Butyl Rubber Surround
- Interwoven Tinsel Leads
- Rigid Powder Coated Steel Frame
- Optimized Magnet/Motor Structure

### FEATURES:

- CAE/CAD Performance Design
- Injection Molded Aluminum Plated Polypropylene Cone
- Butyl Rubber Surround
- Flat Linear Roll Spider
- Rigid Powder Coated Steel Frame
- Optimized Magnet/Motor Structure
- Reversible Rubber Mounting Gasket