

PHOENIXGOLD
THERE IS A DIFFERENCE.



www.PHOENIXGOLD.com

PHOENIX GOLD

9200 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

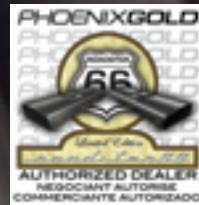
#100 980 West St.
North Vancouver, BC V7P 3N4
Tel: 604.988.2966
Fax: 604.988.4122
www.trendsinc.com

Visit phoenixgold.com to find an authorized dealer near you.

PHOENIX GOLD EXTENDED WARRANTY

Have your products installed by a certified Phoenix Gold dealer and get a two year extended warranty. Increases to a three-year warranty if they use Phoenix Gold accessories for installation – ask your dealer for more information.

Radial Sd © 2007 Phoenix Gold #8101.0089 r2 - 022306





PHOENIX GOLD. THERE IS A DIFFERENCE.

BRINGING POWER TO THE MUSIC

Phoenix Gold was founded in 1985 as a distributor of high quality audio and video cables. But connecting people to sound wasn't enough; we wanted to influence the way they experience it. Driven by a love of music and a belief that the best audio equipment is the only way to truly hear it, we set out to expand the boundaries of sound by enhancing the capabilities of audio to the fullest.

Today, that means award-winning audio reproduction—with a full line of Phoenix Gold accessories, power amps, and speakers; designed to performance standards that have given us a reputation for innovative engineering, precision-built quality and long-term reliability. All in pursuit of the perfect sound.

IF YOU WANTED AVERAGE SOUND, YOU'D HAVE AN AVERAGE CAR

We build audio equipment for the true car owners out there—the people who don't just drive their cars; they detail them. And we're not always talking fancy, or expensive; we have equipment lines for any car owner who knows that a car is not just a car, and puts time and effort into making it perfect. It's the same way that we understand that music is not just music—it's only as good as the sound system that plays it. Which is why the better the system is designed, the better the sound. We over-build our equipment from the inside out, to provide stability and reliability. The result is high quality, performance driven car audio equipment that brings the true sound out of your music.

RADIAL SD: THE ULTIMATE IN DESIGN

To create the best in car audio equipment, we knew we needed something that both looks and sounds perfect in the car. Using our design philosophy—the stronger the build, the better the music—we created Radial SD, a rock-solid line of audio equipment that blends form with function to create the perfect blend of visual and audio design. Created with radial symmetry, a set of balanced features designed around a central point, this high-end equipment creates a revolutionary design that compliments the car, and looks the way it performs: strong, reliable, smooth and resilient.

AMPLIFIERS



MONOBLOCK

Model	Power Output 4 ohms, 1kHz and $\leq 1\%$ THD+N	Power Output 2 ohms, 1kHz and $\leq 1\%$ THD+N	Dimensions
RSd300.1	200W x 1 ¹	310W x 1 ¹	12 ⁷ / ₈ " x 11 ³ / ₁₆ " x 2 ³ / ₈ "
RSd600.1	425W x 1 ¹	650W x 1 ¹	16 ⁷ / ₈ " x 11 ³ / ₁₆ " x 2 ³ / ₈ "
RSd1200.1	775W x 1 ¹	1200 x 1 ¹	19 ¹ / ₄ " x 11 ³ / ₁₆ " x 2 ³ / ₈ "

¹Monoblocks are measured at 100Hz



RSd300.1



RSd600.1



RSd1200.1

4-CHANNEL

Model	Power Output 4 ohms, 1kHz and $\leq 1\%$ THD+N	Power Output 2 ohms, 1kHz and $\leq 1\%$ THD+N	Dimensions
RSd300.4	53W x 4	80W x 4	16 ⁷ / ₈ " x 11 ³ / ₁₆ " x 2 ³ / ₈ "
RSd500.4	85W x 4	135W x 4	19 ¹ / ₄ " x 11 ³ / ₁₆ " x 2 ³ / ₈ "



RSd300.4



RSd500.4

2-CHANNEL

Model	Power Output 4 ohms, 1kHz and $\leq 1\%$ THD+N	Power Output 2 ohms, 1kHz and $\leq 1\%$ THD+N	Dimensions
RSd250.2	87W x 2	130W x 2	12 ⁷ / ₈ " x 11 ³ / ₁₆ " x 2 ³ / ₈ "



RSd250.2

AMPLIFIER FEATURES:

Like any sports vehicle, it's what's under the hood that matters, and the RSd Series Amplifiers are the engines of your sound system. Designed with rugged parts and precision-tuned to produce the highest output possible, these turbo charged amps are a dominating force—with performance capabilities that help unleash the true power of music.

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

CEA-2006 Specifications	Model	MONOBLOCK			2-CHANNEL		4-CHANNEL		
		300.1	600.1	1200.1	250.2		300.4	500.4	
 All Radial Sd amplifiers are designed, engineered, manufactured and tested in accordance with CEA-2006 amplifier rating requirements.	Power Output (RMS @ 4 ohms and $\leq 1\%$ THD+N)	180W x 1	400W x 1	675W x 1	76W x 2		48W x 4	78W x 4	
	Signal to Noise Ratio (reference: 1W output @ 4 ohms)	84dBA	82dBA	79dBA	85dBA		83dBA	85dBA	
	Additional Power Output (RMS @ 2 ohms and $\leq 1\%$ THD+N)	300W x 1	600W x 1	1000W x 1	113W x 2		68W x 4	118W x 4	
	Frequency Response	10Hz - 300Hz	10Hz - 265Hz	10Hz - 293Hz	20Hz - 20kHz		20Hz - 20kHz	20Hz - 20kHz	
	Effective Damping Factor @ 4 ohms	6.39	6.39	6.36	6.058		6.35	6.35	
	Maximum Input at clipping	11.8V	10V	9V	8.5V		9V	8.5V	
	Maximum Sensitivity at clipping	226mV	200mV	215mV	226mV		200mV	200mV	



TM



RSD 500.4 **FOUR CHANNEL POWER AMPLIFIER** **FEATURE/BENEFITS**

- 1.** Triple Darlington Power Amplifier Stages with Complementary Bipolar Output Transistors High current, low distortion drive for complex real-world speaker loads
- 2.** High Quality Components
Poly film box capacitors and 1% precision metal film Resistors installed in signal path for predictable, low noise, linear operation
- 3.** Dual Power Supply Design
Efficient, low-loss power conversion
- 4.** Energy Storage Capacitors
8800 μ F of input capacitance, 13,200 μ F of rail capacitance supply instantaneous power demands
- 5.** IRFZ44 Power Supply MOSFETs
Cool, reliable power control
- 6.** Massive Heatsink
Extruded aluminum, anodized for optimum cooling – Maximizes amplifier play time
- 7.** Robust Power Device Clamp Bars
Secure mounting for effective cooling and long life
- 8.** Preamp Isolated from Main Circuit Board Reduces power supply noise
- 9.** Intelligent, Symmetrical Circuit Board Layout A Phoenix Gold hallmark since day one!
- 10.** Premium Circuit Board Construction
Double-sided board with plated-through holes and glass- epoxy substrate: proven performance for high-power circuitry
- 11.** Custom Tooled Power Input Connector Directly accepts 4 gauge cabling
- 12.** Custom Tooled Speaker Output Connector Terminate 10 - 12 gauge wiring
- 13.** Cast Endcaps Aggressive styling, rugged mounting points
- 14.** Distinctive Badging
Blue backlit gauge styling

PHOENIX GOLD. THERE IS A DIFFERENCE.



IF THE AMPS ARE THE ENGINES, THEN THE SPEAKERS ARE THE TIRES - grabbing your attention and guiding you on your path. Our high performance speakers handle extreme conditions and demands with no problem. Superior power handling, interwoven tinsel leads* and CAE/CAD performance design make these speakers extremely versatile and reliable. Custom tooled grilles cover the speakers with radial spokes, complimenting the car interior and creating tough, strong look to go with the solid sound.

COAXIALS

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

COAXIAL FEATURES:

- CAE/CAD Performance Design
- Injection Molded Aluminum Plated Grained Polypropylene Cone
- Butyl Rubber Surround
- Flat Linear Roll Spider
- Interwoven Tinsel Leads
- Rigid Powder Coated Anti-Resonant Steel Frame
- Optimized Magnet/Motor Structure



RSd690



RSd6.5



RSd570



RSd6



RSd460



RSd5



RSd4



RSd3

SUBWOOFERS

Model	Description	Power Handling (RMS / Peak)	Impedance (ohm)	Frequency Response	Sensitivity 2.83V/1M (dB)
RSd12	12 in. Subwoofer	350W / 700W	4	20Hz - 200Hz	90
RSd12d	12 in. Subwoofer	350W / 700W	4/4	20Hz - 200Hz	90
RSd10	10 in. Subwoofer	350W / 700W	4	25Hz - 200Hz	90
RSd10d	10 in. Subwoofer	350W / 700W	4/4	25Hz - 200Hz	90

SUBWOOFER FEATURES:

- Available in Dual or Single Coil
- CAE/CAD Performance Design
- Injection Molded Aluminum Plated Polypropylene Cone
- Butyl Rubber Surround
- Flat Linear Roll Spider
- Optimized Magnet/Motor Structure
- Reversible Rubber Mounting Gasket
- Rigid Powder Coated Anti-Resonant Steel Frame



RSd12/12d



RSd10/10d



RSd G10/G12
(10 & 12 inch subwoofer grilles sold seperately)

COMPONENT SETS

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

COMPONENT FEATURES:

- MID-BASS DRIVERS
- Injection Molded Aluminum Plated Grained Polypropylene Cone
 - Butyl Rubber Surround
 - Flat Linear Roll Spider
 - Interwoven Tinsel Leads
 - Rigid Powder Coated Anti-Resonant Steel Frame

- TWEETERS
- Silk Soft Dome Tweeters
 - Protective Phase Plug
 - Pivoting Tweeter
 - Flush Mount or Surface Mount Capability

- CROSSOVERS
- CAE/CAD Designed
 - Absolute Phase
 - High Order Asymmetrical Design
 - Tweeter Adjustment (0,+2dB)

* Not standard on all models

