

polkaudio®



mobile audio catalog



Incredible Sound. Affordable Price

The pros know that really good stuff at a really good price is where it's at. So we took really

good stuff, grabbed it by the neck, held it down and force-fed it Creatine and Ginkgo Biloba. We mixed it up with patented Polk technologies and a reckless desire for big volume output.

We created speakers with better performance, bigger volume and better value. Plus we made sure they were super efficient. So the db Series sounds fantastic with OEM factory radios or installed systems, not to mention high-powered after-market head units.



The db Series is classic Polk Audio: performance and durability at a price that will rock the house, never your wallet.

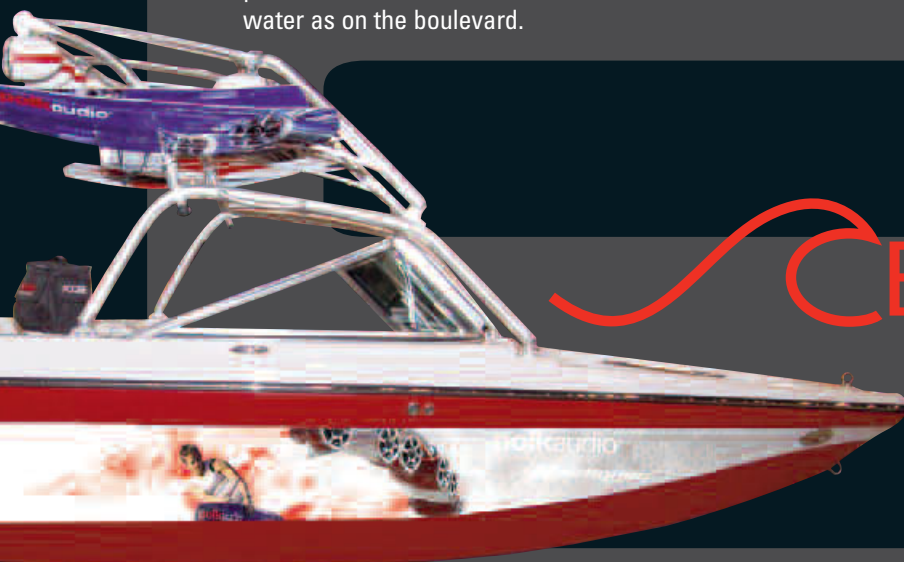


Marine Certified

After we made our db Series products perform superbly in a car, we took them where few speaker components dare go: on the water. Our engineers and designers wanted to put our product to the test, so they subjected everything to the scrutiny of ASTM (American Society for Testing and Materials) to ensure the db speakers performed as well on the water as on the boulevard.

The db Series products were put under a series of grueling accelerated weathering tests to see if they could stand up to the harsh marine environment. We subjected them to hundreds of hours of salt fog, intense Ultra Violet light and temperatures

ranging from minus 40° C (-40° F) to +85° C (+185° F). And guess what? They passed with flying colors. That's what superior materials and engineering get you—supreme reliability on land and sea.



MARINE CERTIFIED

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Sea Ray and Correct Craft, two leaders in high quality watercraft, specify and offer Polk products for their boats, testament to the quality and reliability of the db Series.



Wakeboarding photography by Troy Moore.



component systems

db Series Component Systems

Not content to bring Polk's legendary high performance, high value equation just to coaxials, Polk engineers applied the same winning team to separate component systems too. Choose a 5 1/4" or 6 1/2" system to add championship performance and high style to your ultra-tuned vehicle at a surprisingly affordable price.

Sleek and fast, the db Series satisfies the pros with high performance at reasonable prices. The 2nd Order Butterworth Outboard Component Crossover, with high performance at reasonable prices, is engineered for fiddle-free sound, superb protection and racing-line show-off looks. Hidden wire connections make your install magazine-ready.

Your choice of tweeter mounting options for optimum performance: Surface mounting raises and aims the tweeter to avoid reflection.



Flush mounting secures the tweeter in out-of-the-way places for shallow "stealth" installs, offering you high performance, and the flexibility to enjoy it!



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Features

- 1** Muscular ABS Wheel-Design Grilles based on exclusive MOMO designs.
 - 2** Dynamic Balance® Polymer/Mica Composite Cones are stiff yet lightweight for big sound, small distortion.
 - 3** 1" Liquid-Cooled Silk/ Polymer composite Dome Tweeter with Neodymium magnet for clear, detailed highs.
 - 4** 2nd-Order Butterworth Outboard Crossover for component system sound at a coax price.
 - 5** Vented Crossover Housing with easy-access wire connectors for tight, secure installs every time.
- Three-Level Tweeter Attenuation (-3db, 0db, +3db) is a new db feature for 2007 and lets you dial in the treble balance you prefer.
 - An Electronic Tweeter Protection Circuit protects your tweeters from accidental abuse.
 - Low-Mass 2-Layer Kapton Voice Coil-Kapton's high melting temperature (725°F/400°C!) ensures high power handling and kick-butt reliability.
 - Flush & Surface Swivel Mount Cups are supplied for easy install flexibility.
 - Durable Butyl Rubber Surround won't fall apart under the stress of extreme temperatures, sunlight or time, for years of great Polk sound.

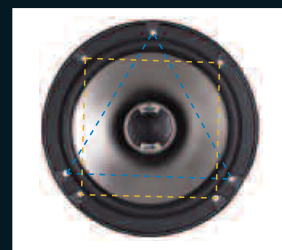




db Series Coaxial & 3-Way Loudspeakers

Most coaxes in this price range only have a simple high-pass capacitor for a crossover, but db Series Coaxial Speakers feature both high and low pass

filters built right in just like the expensive stuff. This delivers the clearest, most natural mid-range and highs of any coax speaker in this class.



Multi-Hole Mounting Pattern and shallow depth—our highest vehicle application ratio for easy drop-in installations in practically any car on the road, including yours.



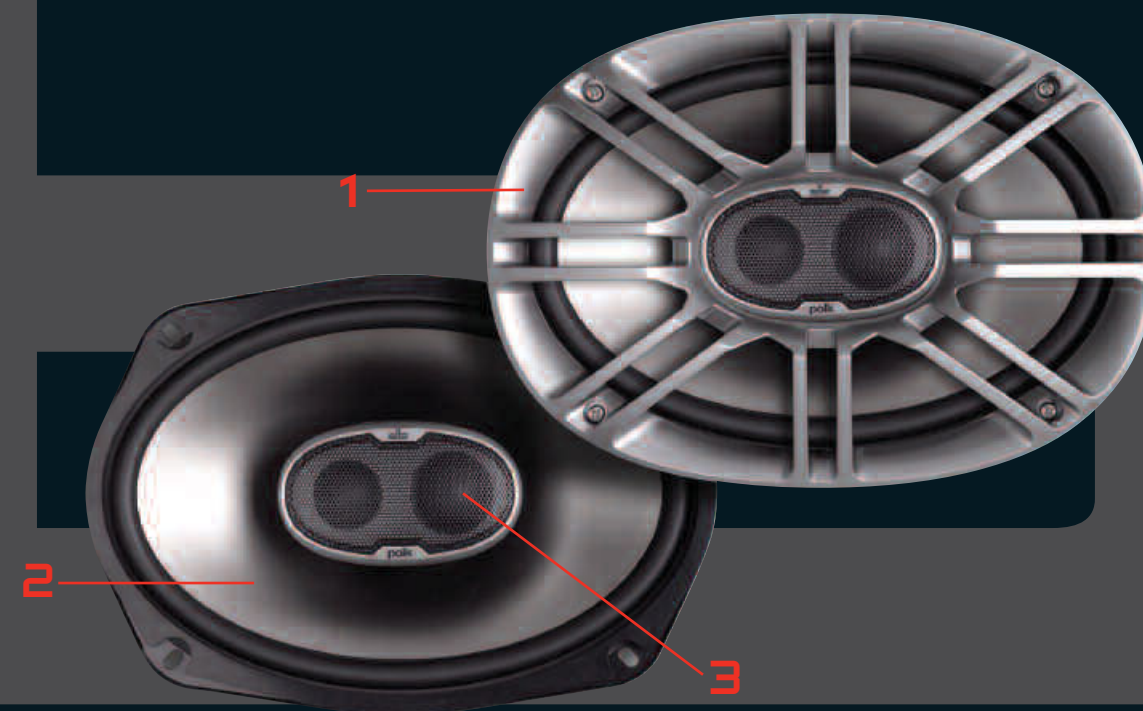
Durable Butyl Rubber Surround won't fall apart under the stress of extreme temperatures, sunlight or time, for years of great Polk sound.

The db651s features a slim-mount design with short tweeter post for an easy fit behind factory grilles. Supplied Adaptor Rings enable the db651s to fit both 6 1/2" and 6 3/4" applications for everything from domestics to imports, including VWs and Audis, BMWs and other European imports.

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Features

- 1 Muscular ABS Wheel-Design Grilles based on exclusive MOMO designs (except db570, db501, db460 and db351).
 - 2 Dynamic Balance® Polymer/Mica Composite Cones are stiff yet lightweight for big sound, small distortion.
 - 3 1" Liquid-Cooled Silk/Polymer composite Dome Tweeter with Neodymium magnet for clear, detailed highs. (db690 6"x9" Model features 1" Tweeter & 3/4" Super-Tweeter. The coax models use 3/4" (19mm) dome tweeters).
- Low-Mass 2-Layer Kapton Voice Coil-Kapton's high melting temperature (725°F/400°C!) ensures high power handling and kick-butt reliability.
 - Pole Plate Heat Sink promotes better heat dissipation for superior power handling and reliability.





“H₂O is my
boardroom.
And Polk Audio
db Series rock
my boardroom.”



db Series Subwoofers

The db Series Subs are all about belting out deep, precise, stomach-shaking bass that gets there before you do.

There are six db subwoofer models available in three sizes: 8", 10" and 12" in either single or dual 4 Ohm voice coil.

The db Series subs produce gutsy bass in sealed, ported and bandpass enclosures. No matter how you like your bass, you get the tight, musical loud bass that db is known for.



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Features:

- 1 A Polypropylene Cone with rigid ABS dustcap stiffens the cone for greater mechanical stability and lower distortion.
 - 2 Santoprene Surround is impervious to extremes in temperature, humidity and exposure to sunlight for excellent long term reliability.
- Double Venting of the 4-layer Kapton Voice Coil Former, Cone/Coil Coupler and Pole Piece contribute to the high power handling and reliability of the db Series subs.
 - Fire-Retardant Flat NOMEX® Spider allows extended linear motion while providing highly reliable mechanical and thermal stability.
 - As with all Polk Audio subwoofers, the Voice Coil Alignment, Motor and Suspension were optimized using a state-of-the-art Klippel laser analyzer. The result is superior cone travel linearity for flatter response and lower distortion.
 - Available in Single 4 Ohm and Dual 4 Ohm voice coil models.





The db1222 and db1212 Enclosures

The db1222 and db1212 are big, bad and will blow you away with their apocalyptic bass. When you unleash one of these subwoofers, everyone will know it. And the proof is in our technology.

“The loudest subwoofer enclosure I’ve ever had in my car.”

—Dave MacKinnon, Performance Auto & Sound Magazine

Power Handling (Peak)	750 W
Power Handling (Continuous)	360 W
Sensitivity	100 dB
Impedance	2 Ohms



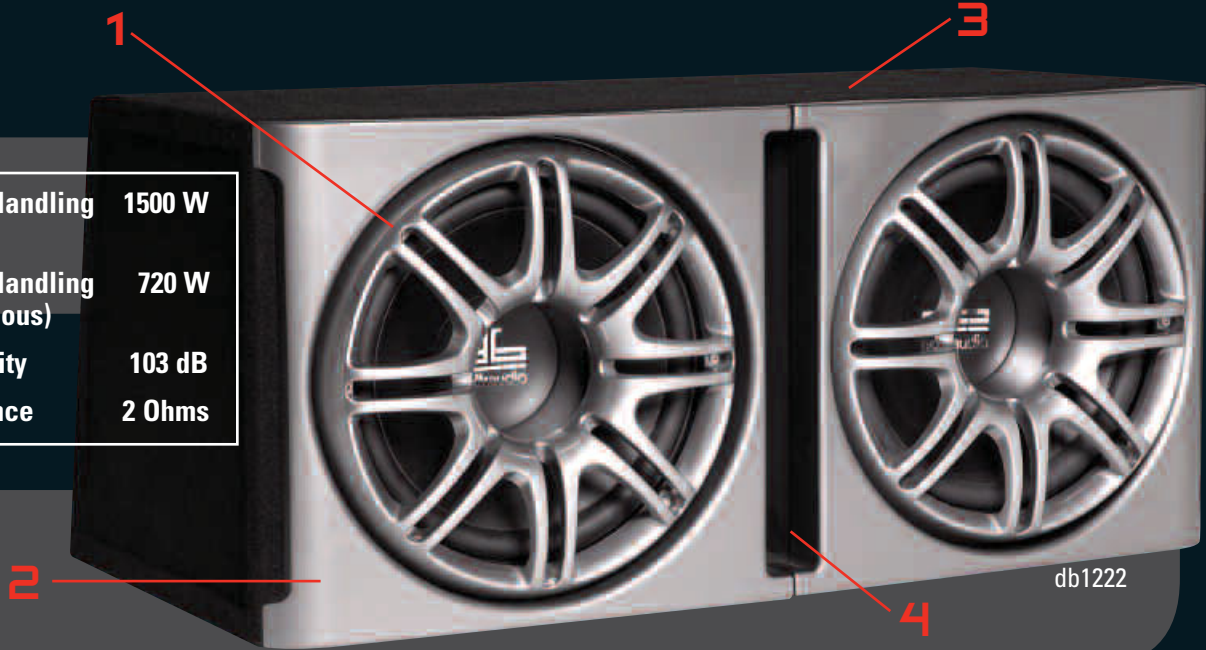
db1212



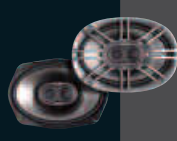
Features:

- 1 Wheel-Style Heavy-Duty ABS Grilles protect the drivers from shifting cargo. Grilles and baffle may be painted to match the vehicle’s interior color.
- 2 The Front Baffle is clad in Automotive Grade ABS trim for rigidity and resistance to impact. Elastomeric damping material isolates the ABS trim from the baffle while acting as a sealing gasket for the woofers. This “tri-laminate” sandwich construction prevents unwanted rattles and resonance, ensuring bass that’s as tight as it is powerful.
- 3 Internally Braced 3/4" MDF—the same low resonance material used in the world’s finest speaker enclosures.
- 4 Polk Audio’s Patented Power-Port® Venting Technology reduces air turbulence at the port mouth for higher bass output with vastly lower noise and distortion compared to conventional ports.

Power Handling (Peak)	1500 W
Power Handling (Continuous)	720 W
Sensitivity	103 dB
Impedance	2 Ohms



db1222



Type	db6501 6 1/2" component system	db5251 5 1/4" 2-way system	db1001 1" tweeter	db691 6" x 9" 3-way
Driver Complement	6 1/2" (16 cm) mid/woofer	5 1/4" (16 cm) mid/woofer	n/a mid/tweeter	6" x 9" (15 cm x 22.9 cm) mid/woofer
Tweeter Complement	1" (25.4 mm) soft dome tweeter	1" (25.4 mm) soft dome midrange	1" (25.4 mm) soft dome tweeter	3/4" (19.1 mm) soft dome tweeter 1" (25.4 mm) soft dome tweeter
Mounting Dimensions	5" (127 mm)	4 11/16" (119.1 mm)	2 1/16" (5.24 mm)	8 1/2" x 5 3/4" (215.9 mm x 146.1 mm)
Mounting Depth (top)	2" (50.8 mm)	2 5/16" (58.7 mm)	1 3/16" (30.2 mm)	3 3/16" (81.0 mm)
Mounting Depth (bottom)	2 5/16" (58.7 mm)	2 7/16" (61.9 mm)	1 1/32" (26.2 mm)	3 3/4" (95.3 mm)
Peak Power Handling	300 W	200 W	180 W	300 W
Continuous Power Handling	100 W	100 W	60 W	100 W
Nominal Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Frequency Response	40-23 kHz	53-23 kHz	4 kHz-23Hz	35-22 kHz
Grille Height	1 1/16" (27 mm)	7/8" (22.2 mm)	n/a	1 1/16" (27 mm)
Sensitivity	92 dB	89 dB	92 dB	93 dB



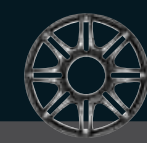
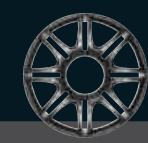
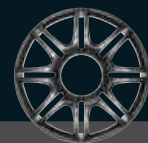
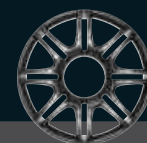
Type	db651 6 1/2" coaxial	db651s 6 1/2" slim-mount coaxial	db571 5" x 7" coaxial	db521 5 1/4" coaxial	db501 5" coaxial
Driver Complement	6 1/2" (16 cm) mid/woofer	6 1/2" (16 cm) mid/woofer	5" x 7" (12.7 cm x 17.8 cm) mid/woofer	5 1/4" (13 cm) mid/woofer	5 1/4" (13 cm) mid/woofer
Tweeter Complement	3/4" (19.1 mm) soft dome tweeter	3/4" (19.1 mm) soft dome tweeter	3/4" (19.1 mm) soft dome tweeter	3/4" (19.1 mm) soft dome tweeter	3/4" (19.1 mm) soft dome tweeter
Mounting Dimensions	5" (127 mm)	5" (127 mm)	7 1/8" x 4 15/16" (181 mm x 125.4 mm)	4 11/16" (119 mm)	4" (101.6 mm)
Mounting Depth (top)	2" (50.8 mm)	2" (50.8 mm)	2 3/16" (55.6 mm)	2 5/16" (58.7 mm)	2 5/16" (58.7 mm)
Mounting Depth (bottom)	2 5/16" (58.7 mm)	2 5/16" (58.7 mm)	2 5/8" (66.7 mm)	2 7/16" (61.9 mm)	2 7/16" (61.9 mm)
Peak Power Handling	180 W	180 W	180 W	135 W	135 W
Continuous Power Handling	60 W	60 W	60 W	45 W	45 W
Nominal Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Frequency Response	40-22 kHz	40-22 kHz	52-22 kHz	60-22 kHz	60-22 kHz
Grille Height	1 1/16" (27 mm)	1 1/16" (27 mm)	n/a	7/8" (22 mm)	n/a
Sensitivity	92 dB	92 dB	93 dB	93 dB	93 dB



Type	db461 4" x 6" coaxial	db461p 4" x 6" 2-way	db401 4" coaxial	db351 3 1/2" coaxial	Type	db1222 12" woofer
Driver Complement	4" x 6" (10.2 cm x 15.2 cm)	4" x 6" (10.2 cm x 15.2 cm) mid/woofer	4" (10.2 cm) mid/woofer	3 1/2" (10.2 cm) mid/woofer	Driver Complement	2 12" (30.5 cm)
Tweeter Complement	3/4" (19.1 mm) soft dome tweeter	3/4" (19.1 mm) soft dome tweeter	3/4" (19.1 mm) soft dome midrange	3/4" (19.1 mm) soft dome tweeter	Nominal Impedance	2 Ohms
Mounting Dimensions	4" x 6" (101.6 mm x 152.4 mm)	4" x 6" (101.6 mm x 152.4 mm)	4" (102 mm)	3 1/2" (102 mm)	Frequency Response	20 Hz-200 kHz
Mounting Depth (top)	1 15/16" (49.3 mm)	1 15/16" (49.3 mm)	1 13/16" (46.0 mm)	1 13/16" (46.0 mm)	Fs (Hz)	n/a
Mounting Depth (bottom)	2" (50.8 mm)	2" (50.8 mm)	1 13/16" (46.0 mm)	1 13/16" (46.0 mm)	Re	n/a
Peak Power Handling	120 W	120 W	105 W	105 W	Le	n/a
Continuous Power Handling	40 W	40 W	35 W	35 W	Qms	n/a
Nominal Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms	Qes	n/a
Frequency Response	75-22 kHz	75-22 kHz	85-22 kHz	85-22 kHz	Qts	n/a
Grille Height	n/a	n/a	7/8" (22.2 mm)	n/a	Vas	n/a
Sensitivity	91 dB	91 dB	91 dB	91 dB	SD	n/a
					Peak Power Handling	1500 W
					Continuous	720 W
					Power Handling	
					Sensitivity	103 dB
					Xmax (linear)	n/a
					Voice Coil Diameter	2"
					Cabinet Dimensions	14 3/4" H x 17 1/4" W x 18 21/32" D (37.47cm H x 43.82cm W x 43.37cm D)
					Mounting Dimensions	14 3/4" H x 17 1/4" W x 18 21/32" D (37.47cm H x 43.82cm W x 43.37cm D)
					Mounting Depth (top)	n/a
					Mounting Depth (bottom)	n/a



Type	db1212 12" woofer	db1240DVC 12" woofer	db1240 12" woofer	db1040DVC 10" woofer	db1040 10" woofer	db840DVC 8" woofer	db840 8" woofer
Driver Complement	12" (30.5 cm)	12" (30.5 cm)	12" (30.5 cm)	10" (25.4 cm)	10" (25.4 cm)	8" (20.3 cm)	8" (20.3 cm)
Nominal Impedance	2 Ohms	Dual 4 Ohms	4 Ohms	Dual 4 Ohms	4 Ohms	Dual 4 Ohms	4 Ohms
Frequency Response	20 Hz-200 kHz	27-200 kHz	27-200 kHz	28-200 kHz	28-200 kHz	30-200 kHz	30-200 kHz
Fs (Hz)	n/a	32Hz	31Hz	37Hz	37Hz	47Hz	47Hz
Re	n/a	3.25 Ohms/coil	3.25 Ohms	3.25 Ohms/coil	3.25 Ohm	3.25 Ohms/coil	3.25 Ohms
Le	n/a	2.75mH	1.80mH	2.75mH	1.85mH	2.47mH	1.11mH
Qms	n/a	5.60	6.1	6.07	7.0	12.11	7.5
Qes	n/a	0.55	0.47	0.57	0.62	0.64	0.67
Qts	n/a	0.50	0.44	0.52	0.57	0.61	0.61
Vas	n/a	2.22ft ³ (62.78L)	2.22ft ³ (62.78L)	0.85ft ³ (24.0L)	0.85ft ³ (24.0L)	0.45ft ³ (12.68L)	0.42ft ³ (11.95L)
SD	n/a	80.6in ² (520cm ²)	80.6in ² (520cm ²)	54.25in ² (350cm ²)	54.25in ² (350cm ²)	35.65in ² (230cm ²)	35.65in ² (230cm ²)
Peak Power Handling	750 W	720 W	720 W	540 W	540 W	360 W	360 W
Continuous Power Hand.	360 W	360 W	360 W	270 W	270 W	180 W	180 W
Sensitivity	100 dB	88 dB/series	88 dB	86 dB/series	86 dB	85 dB/series	85 dB
Xmax (linear)	n/a	0.35" (6.1mm)	0.30" (7.5mm)	0.35" (6.1mm)	0.30" (7.5mm)	0.24" (6.1mm)	0.24" (6.1mm)
Voice Coil Diameter	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	2" (50.8mm)	1.5" (38.1mm)	1.5" (38.1mm)
Cabinet Dimensions	14 3/4" H x 32 1/2" W x 18 31/64" D (37.47cm H x 82.55cm W x 46.95cm D)	n/a	n/a	n/a	n/a	n/a	n/a
Mounting Dimensions	14 3/4" H x 32 1/2" W x 18 31/64" D (37.47cm H x 82.55cm W x 46.95cm D)	11" (279.4 mm)	11" (279.4 mm)	9 1/16" (230.2 mm)	9 1/16" (230.2 mm)	7 1/16" (179.4 mm)	7 1/16" (179.4 mm)
Mounting Depth (top)	n/a	6" (152.4mm)	6" (152.4mm)	5 1/2" (138.9 mm)	5 1/2" (139.7 mm)	4" (100 mm)	4" (100 mm)
Mounting Depth (bottom)	n/a	6 3/4" (171.4 mm)	6 3/4" (171.4 mm)	6 1/4" (158.2 mm)	6 1/4" (158.8 mm)	4 9/16" (115.8 mm)	4 9/16" (115.8 mm)
Optional Accessories	n/a	Grille G12	Grille G12	Grille G10	Grille G10	Grille G8	Grille G8





Products Born of Passion.

Baltimore, Maryland-based Polk Audio is an award-winning manufacturer of high performance audio products. Founded by Chairman Matthew Polk and CEO George Klopfer in 1972, Polk Audio holds over 50 patents for advances in audio design and technology. Polk's products include loudspeakers and electronic components for home, auto and marine applications

the first XM satellite home component tuner, the world's first high performance active IP-addressable loudspeaker, and I-Sonic®—the first entertainment system to include HD Radio®, XM Connect & Play capability and a DVD player. Polk products are available through specialist consumer electronics retailers worldwide.

WARNING

Listen Carefully!
Polk Audio loudspeakers and subwoofers are capable of playing at extremely high volume levels, which could cause serious or permanent hearing damage. Polk Audio, Inc. accepts no liability for hearing loss, bodily injury or property damage resulting from the misuse of its products.

Keep these guidelines in mind and always use your own good judgment when controlling volume:

- You should limit prolonged exposure to volumes that exceed 85 decibels (dB).
- High volume in an automobile can hinder your ability to Safely operate a vehicle.
- You are responsible for knowing the local laws governing acceptable mobile volume levels.

For more about safe volume levels, go to www.polkaudio.com/education/article/SPL/. Or refer to the Occupational Health and Safety Administration (OSHA) guidelines at www.osha.gov/dts/osta/otm/noise/standards_more.html.

Polk Audio is a Directed Electronics company which trades on NASDAQ under the symbol DEIX. Investor information can be found at <http://investor.directed.com>.

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