



EXPECT GREAT SOUND



# Signature Series

The American HiFi Home Theater System

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



# Signature Series

PRODUCT INFORMATION SHEET

## Signature Series

### The American HiFi Home Theater System

Built to bring the big surround sound theater experience into the comfort of your living room, the Polk Signature Series continues in the Polk tradition of American HiFi. Featuring Hi-Res certification, Dynamic Balance driver design, Terylene tweeters, mica-reinforced polypropylene cones, precision cross-overs, an anti-diffraction magnetic grille, a non-resonant MDF cabinet and exclusive Power Port technology, you get elevated sound for movies, TV and music in a totally re-imagined design. Polk—expect great sound.

### Dynamic Balance Technology Driver Design

Whether upgrading your home theater setup with an advanced Atmos configuration or enjoying your favorite music, Dynamic Balance ensures a rich, clean, full-range sound no matter what you're listening to. This patented technology analyzes the speaker's entire electro-acoustic and mechanical system for improved material selection and more efficient geometry. It pinpoints and eliminates issues that reduce speaker performance before they become a part of the finished product.

### High-Resolution Polk Terylene Tweeter

Our Terylene dome tweeter features curvilinear formers that extend response and lower resonance. Its powerful ceramic motor structure also lowers system resonance and extend low frequency response for better dispersion in the critical midrange, delivering clear and detailed high frequency response for realistic reproduction of vocals and instruments. Capable of delivering 40kHz to support the latest high resolution audio files so it feels like your right there in the studio or concert hall.



### Custom Mid-Range Drivers

Mica-reinforced polypropylene cones with butyl rubber surrounds, four-layer voice coils, massive ceramic motor structures and high-temperature Conex fiber spiders combine to create drivers of exceptionally high efficiency, for clean, clear bass, better linearity, lower distortion and greater durability.



### Exclusive Polk Power Port Technology

Power Port® is our patented design that smoothly transitions the air flow from the speaker's port into your listening area. It also extends the overall bass port, providing greater surface area to eliminate turbulence and distortion, for bigger, more musical, deep bass impact. Plus, it offers 3dB more bass response output than a traditional port.



### Anti-Diffraction Magnetic Grille

Computer modeled for a precision fit and enhanced good looks—and made to minimize sonic interference.

### High Sensitivity and Maximum Compatibility

Works with the most modestly-powered amplifier or receiver. Whether you're connecting them to the newest digital processor, or your vintage rig, you get sound reproduction that's spacious, clear, enveloping, and realistic. Plus, it's compatible with latest Dolby and DTS surround sound technologies.

### Cascading Tapered Crossover Array

Whether it's a four-driver (S60, S35), three-driver (S55, S50, S30), or two-driver (S20, S15, S10) array, this feature offers a seamless, lifelike soundstage no matter where you're seated in your listening room. There's no more sweet spot—instead, it's all around you.





# Signature Series

PRODUCT INFORMATION SHEET



### Gold Plated 5-Way Binding Posts

Perfect for easy setup, they ensure the most direct, efficient, and loss-less connection possible. What's more, the S60, S55, and S50 tower speakers feature dual gold plated 5-way binding posts.

### Quality Crafted Cabinet Design

Strong, rigid and acoustically inert enclosure reduces unwanted internal standing waves for less audible coloration. And non-resonant all-MDF construction, with minimum .75" inch-thick baffles, ensures a more lifelike sound.

### Timbre-Matched

Designed with the same components throughout to achieve seamless speaker-to-speaker blending effects in multi-channel systems.

### American Modern Styling

Curved edges offer a sensual yet powerful look that fits with any home decor—available in a stunning black washed walnut finish.

### Limited Warranty, Built to Last

Designed in California, engineered in Baltimore and manufactured under the strictest quality controls, Polk speakers are built to last and include a limited 5-year warranty.

## SPECIFICATIONS

	S60	S55	S50
	Full Range Passive floorstanding Loudspeaker	Full Range Passive floorstanding Loudspeaker	Full Range Passive floorstanding Loudspeaker
TRANSDUCERS			
Tweeter	1—1in Terylene High-Res Dome Tweeter	1—1in Terylene High-Res Dome Tweeter	1—1in Terylene High-Res Dome Tweeter
Mid-bass	3—6.5in Dynamic Balance Mica Reinforced Polypropylene Drivers	2—6.5in Dynamic Balance Mica Reinforced Polypropylene Drivers	2—5.25in Dynamic Balance Mica Reinforced Polypropylene Drivers
Crossover Frequency	2.5 kHz	2.5 kHz	2.5 kHz
GENERAL			
Recommended Amplification (wpc)	20-300	20-200	20-150
Impedance	Compatible with 8 ohm outputs	Compatible with 8 ohm outputs	Compatible with 8 ohm outputs
Overall Frequency Response	26Hz-40 kHz	32Hz-40 kHz	33Hz-40 kHz
Sensitivity	90dB	90dB	89dB
Electrical Inputs	Dual gold-plated 5-way binding posts	Dual gold-plated 5-way binding posts	Dual gold-plated 5-way binding posts
WEIGHTS AND DIMENSIONS			
Height (inches)	44.5	41.5	37.4
Width (inches)	8.5	8.5	7.5
Depth (inches)	15.7	12.5	10.9
Width including feet (inches)	11.7	11.7	10.3
Weight	52 lbs.	44 lbs.	32 lbs.



# Signature Series

## PRODUCT INFORMATION SHEET

### SPECIFICATIONS

	S35	S30	S20	S15	S10
	Left/Center/Right (L/C/R) Loudspeaker	Dedicated Center Center Loudspeaker	Full Range Passive Bookshelf Loudspeaker	Full Range Passive Bookshelf Loudspeaker	Uni-Pole Surround Loudspeaker
TRANSDUCERS					
Tweeter	1—1in Terylene High-Res Dome Tweeter	1—1in Terylene High-Res Dome Tweeter	1—1in Terylene High-Res Dome Tweeter	1—1in Terylene High-Res Dome Tweeter	1—1in Terylene High-Res Dome Tweeter
Mid-bass	6—3in Dynamic Balance Mica Reinforced Polypropylene Drivers	2—5.25in Dynamic Balance Mica Reinforced Polypropylene Drivers	1—6.5in Dynamic Balance Mica Reinforced Polypropylene Driver	1—5.25in Dynamic Balance Mica Reinforced Polypropylene Driver	1—4in Dynamic Balance Mica Reinforced Polypropylene Driver
Crossover Frequency	2.5 kHz	2.5 kHz	2.5 kHz	2.5 kHz	2.5 kHz
Wall Mounting Option—Key Hole slot	Yes	No	No	Yes	Yes
Wall Mounting Option—1/4"-20 Threaded Insert	No	No	No	No	Yes
GENERAL					
Recommended Amplification (wpc)	20-150	20-125	20-125	20-100	20-100
Impedance	Compatible with 8 ohm outputs	Compatible with 8 ohm outputs	Compatible with 8 ohm outputs	Compatible with 8 ohm outputs	Compatible with 8 ohm outputs
Overall Frequency Response	53Hz-40 kHz	42Hz-40 kHz	39Hz-40 kHz	50Hz-40 kHz	67Hz-40 kHz
Sensitivity	88dB	89dB	88dB	88dB	87dB
Electrical Inputs	Single gold-plated 5-way binding posts	Single gold-plated 5-way binding posts	Single gold-plated 5-way binding posts	Single gold-plated 5-way binding posts	Single gold-plated 5-way binding posts
WEIGHTS AND DIMENSIONS					
Height (inches)	4.1	7.5	14.8	12	8.4
Width (inches)	24.4	20	8.5	7.5	5.4
Depth (inches)	6.1	10.6	13.8	10.2	6.1
Weight	14 lbs.	19 lbs.	17 lbs.	13 lbs.	6 lbs.



#### S10 Satellite Surround

Use as rear or side speaker in any 5.1, 7.1, or 9.1 home theater setup. And it features a built-in threaded screw insert and keyhole slots for easy wall mounting and customized directional firing.

#### S35 Slim Center

Features a 4"-tall slim profile that easily fits spaces that other center channels do not—plus L/C/R compatibility for optimal performance, coloration and crystal clear dialogue whether you position the center channel vertically or horizontally.



### EXPECT GREAT SOUND

Having built our reputation as “The Speaker Specialists” for more than 40 years, we take pride in our superior sound and build quality, which features many patented and award-winning audio innovations like Dynamic Balance and Power Port technologies. For the people of Polk, building audio products is not just a job—it’s a passion. And if you’re going to remember one thing, remember this: We live by the truest principle of what audio should deliver—great sound at an affordable price for everyone!