



EXPECT GREAT SOUND



## Signature E Series

The High-Resolution Speaker System for Music and Home Cinema

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



# Signature E Series

PRODUCT INFORMATION SHEET

## Signature E Series

The High-Resolution Speaker System for Music and Home Cinema

Built to bring the finest musical experience to the comfort of your home, the Polk Signature E Series continues in the Polk tradition of HiFi. You get elevated sound for movies, TV and music in a totally re-imagined design. Strong, rigid and acoustically inert enclosures reduce unwanted internal standing waves for less audible coloration. Non-resonant all-MDF construction, with minimum 19 mm-thick baffles, ensures a more lifelike sound that's timbre-matched throughout the range to achieve seamless speaker-to-speaker blending effects in multi-channel systems. Curved edges offer a sensual yet powerful look that's available in a stunning black and white washed walnut finish. But the upgrades don't stop there.

### Dynamic Balance Technology Driver Design

Whether upgrading your home theatre setup with an advanced Atmos configuration or enjoying your favourite music, Dynamic Balance ensures a rich, clean, full-range sound no matter what you're listening to. This patented technology analyses 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 extends 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 you're 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 fibre 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 modelled for a precision fit and enhanced good looks—and made to minimise 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 (S60e, S35e), three-driver (S55e, S50e, S30e), or two-driver (S20e, S15e, S10e) 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.

### 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 S60e, S55e, and S50e tower speakers feature dual gold plated 5-way binding posts.





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### S10e Satellite Surround

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

### S35e Slim Centre

Features a 10.16cm-tall slim profile that easily fits spaces that other centre channels do not. Plus, it can be mounted as centre, left or right channel speaker. Designed to work with Signature floorstanding and bookshelf speakers, the Slim Centre delivers crystal-clear dialogue whether you position the centre channel vertically or horizontally.

## SPECIFICATIONS

	S60e	S55e	S50e
	Full Range Passive floorstanding Loudspeaker	Full Range Passive floorstanding Loudspeaker	Full Range Passive floorstanding Loudspeaker
TRANSDUCERS			
Tweeter	2.54cm Terylene High-Res Dome Tweeter	2.54cm Terylene High-Res Dome Tweeter	2.54cm Terylene High-Res Dome Tweeter
Mid-bass	16.5cm low distortion mica-reinforced polypropylene drivers	16.5cm low distortion mica-reinforced polypropylene drivers	13.34cm low distortion 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	36Hz-40 kHz	40Hz-40 kHz	42Hz-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 (cm)	113.03	105.41	95
Width (cm)	21.59	21.59	19.05
Depth (cm)	39.88	31.75	27.69
Width including feet (cm)	29.72	29.72	26.16
Weight	23.59 kg	19.96 kg	14.51 kg



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### SPECIFICATIONS

	S35e	S30e	S20e	S15e	S10e
	Left/Centre/Right (L/C/R) Loudspeaker	Dedicated Centre Center Loudspeaker	Full Range Passive Bookshelf Loudspeaker	Full Range Passive Bookshelf Loudspeaker	Uni-Pole Surround Loudspeaker
TRANSDUCERS					
Tweeter	2.54cm Terylene High-Res Dome Tweeter	2.54cm Terylene High-Res Dome Tweeter	2.54cm Terylene High-Res Dome Tweeter	2.54cm Terylene High-Res Dome Tweeter	2.54cm Terylene High-Res Dome Tweeter
Mid-bass	7.62cm Low Distortion Mica Reinforced Polypropylene Drivers	13.34cm Low Distortion Mica Reinforced Polypropylene Drivers	16.5cm Low Distortion Mica Reinforced Polypropylene Drivers	13.34cm Low Distortion Mica Reinforced Polypropylene Drivers	10.16cm Low Distortion Mica Reinforced Polypropylene Drivers
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	70Hz-40 kHz	55Hz-40 kHz	44Hz-40 kHz	48Hz-40 kHz	75Hz-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 (cm)	10.41	19.05	37.59	30.48	21.33
Width (cm)	61.97	50.8	21.59	19.05	13.71
Depth (cm)	15.49	26.92	35.05	25.9	15.49
Weight	6.35 kg	8.61 kg	7.71 kg	5.89 kg	2.72 kg

### 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!

### LIMITED WARRANTY, BUILT TO LAST

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