

Here Are All The Components You Need For A High Performance 5 CH, 7 CH or LCR Single-Speaker Surround System

Polk Audio[®] set the standard for single-speaker component surround solutions with its original 5-channel SurroundBar[®]. Now we're introducing The SurroundBar 500 and SurroundBar 400 Component Home Theaters (CHT). They're our newest generation single-speaker component solutions, raising the bar not only for their sleek style, but for their sonic performance, too.

7CH, 5CH or LCR, All At The Flip Of A Switch

Both the SurroundBar 500 and 400 CHT feature a channel mode switch, which enables each bar to play as part of a 7CH, 5CH and LCR front stage. You get it all: a rich, enveloping surround experience when you use either bar in 7CH or 5CH mode, plus the flexibility of adding dedicated surround channel speakers when you use either bar as a LCR front stage.



SurroundBar 500 CHT

The SurroundBar 500 CHT is less than 1 1/2" deep, which is made possible by housing its crossover and SDA[®] Surround technology in an external module. The bar's black extruded aluminum enclosure is 49" long and blends in hanging on the wall below the latest generation 50" or larger flat panel TV.

The drive units in the SurroundBar 500 CHT are the finest small diameter designs ever developed by Polk Audio and are among the finest incorporated in any speaker, regardless of price. Three Polk[®] next-generation 3/4" ring radiator tweeters—found only in top-of-the-line loudspeakers.

Nine 3 1/4" ultra-shallow .9" deep Asymmetrically Sculpted Profile[™] (ASP[™]) aluminum dome mid-woofers use rubber surrounds and lightweight, powerful neodymium magnets. Two of the nine drivers are dual voice coil (DVC) designs that make possible reproduction of seven discrete channels of information from fewer drive units than would otherwise be necessary. Fewer drivers enable us to reduce the bar's internal volume and therefore minimize the bar's depth, while reproducing seven vivid full-range channels associated with state of the art home-theater processors.

While the SurroundBar 500 CHT creates a truly amazing sonic performance, the most important magic happens in a rack-mountable black box.

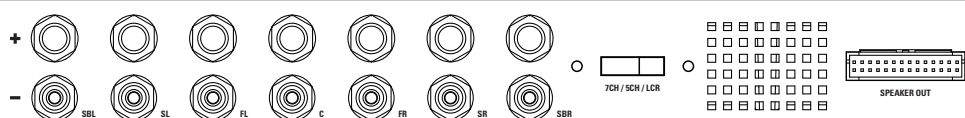
The external SDA Control Module includes all the crossover components and Polk's proprietary SDA Surround technologies. This creates a sleek, compact two-component system that delivers a musical or movie experience not possible before from most soundbar designs.



ASP Aluminum Dome Mid-Woofer: The 3 1/4" diameter Asymmetrically Sculpted Profile (ASP) driver incorporates innovations specifically developed by Polk Audio. First, the driver's 1 1/2" voice coil ensures high power handling and, in tandem with its coupler, helps provide an extra-rigid platform across almost the entire surface of the dome. This eliminates distortions on the dome and creates a more linear movement. Second, the asymmetric pattern of indentations and bumps on the surface of each driver's dome eliminate resonances on the dome to smooth frequency response. Together these design elements create a level of sonic performance not possible in a driver this small.

SurroundBar 500 CHT Features

- Ultra-thin 1 1/2" bar depth enables the SurroundBar 500 CHT to blend easily with today's modern flat panel TVs.
- 7CH, 5CH or LCR configurable all by a single switch.
- Slim 4 1/4" height keeps the IR receiver operable when the SurroundBar is table mounted.
- Mounting options include keyhole slots and threaded inserts for aftermarket brackets, and included adjustable rubber feet for shelf/table mounting.
- Nine 3 1/4" Dynamic Balance[®] ultra-shallow ASP aluminum dome mid-woofers with rubber surrounds and lightweight, powerful neodymium magnets for low distortion and smooth frequency response.
- Three 3/4" (19mm) Ring Radiator tweeters with neodymium magnets for incredible accuracy and detail are recognized as among the highest performing tweeter technologies available.
- Polk Audio's proprietary SDA Surround and Polk Digital Logic[®] processing technologies produce a rich, enveloping listening experience.
- CL2 (in-wall rated) 15' speaker cable connects SDA crossover module and bar.



SDA Crossover Module:

The SurroundBar 500 CHT SDA crossover module houses Polk's SDA Surround technology and has receiver inputs, channel mode switch and output to the SurroundBar.



The SurroundBar 400 CHT

When space is at a real premium, or the TV is smaller, keep it simple with the SurroundBar 400 CHT. The bar's color-coded 15' wiring harness connects directly to a receiver. The SurroundBar 400 is a completely self-contained passive bar, measuring a mere 2 1/2" deep, astounding in its own right when you consider that its crossover network and SDA technology are contained in the bar.

The SurroundBar 400 CHT uses Polk's next generation of Dynamic Balance composite polymer mid-woofers. Seven 2 3/4" diameter drivers incorporate rubber surrounds and powerful neodymium magnets for low distortion. Four of the seven drivers are dual voice coil (DVC) designs that make possible reproduction of seven discrete channels of information from fewer drive units than would otherwise be necessary. Fewer drivers enable us to reduce the bar's internal volume and therefore minimize the bar's depth, while reproducing seven vivid full-range channels associated with state of the art home-theater processors.

Three 3/4" silk polymer dome tweeters are employed for smooth response and exceptional detail. Polk Audio's proprietary SDA Surround and Polk Digital Logic processing technologies produce a rich, enveloping listening experience.

SurroundBar 400 CHT Features

- Newest generation component SurroundBar fits easily with today's modern flat panel TVs.
- Seven 2 3/4" Dynamic Balance composite polymer mid-woofers with rubber surrounds and powerful neodymium magnets for low distortion.
- Three 3/4" (19mm) silk polymer dome tweeters for smooth response and exceptional detail.
- 7CH, 5CH or LCR configurable all by a single switch.
- Polk Audio's proprietary SDA Surround and Polk Digital Logic processing technologies produce a rich, enveloping listening experience.
- 15' color-coded CL2 rated wiring harness for easy hookup.

Specifications

Model	SurroundBar 500 CHT	SurroundBar 400 CHT
Driver Complement	nine 3 1/4" anodized aluminum ASP mid-woofers (8.89 cm), three 3/4" ring radiator tweeters (1.91cm)	seven 2 3/4" polymer composite mid-woofers (6.99 cm), three 3/4" silk dome tweeters (1.91 cm)
Nominal Impedance	8 Ohms	8 Ohms
Overall System Frequency Response (-3dB Limits)	80 Hz-33 kHz (100 Hz-29 kHz)	90 Hz-27 kHz (110 Hz-26 kHz)
Efficiency	87 dB	87 dB
Bar Dimensions	4 1/4" H x 49" W x 1 1/2" D (10.8 cm x 124.46 cm x 3.81 cm)	4 1/4" H x 39" W x 2 1/2" D (10.8 cm x 99 cm x 6.35 cm)
SDA Control Module Dimensions	1 7/8" H x 17" W x 8" D (4.76 cm x 43.18 cm x 20.32 cm)	n/a
Bar Weight	10 lbs (4.5 kg)	10 1/2 lbs (4.8 kg)
SDA Control Module Weight	7 lbs (3.2 kg)	n/a
Shipping Weight	25 lbs (11.3 kg)	18 lbs (8.2 kg)
Mounting Options	keyhole slots, wall bracket, threaded inserts for aftermarket brackets and included adjustable rubber feet for shelf/table mounting	keyhole slots, wall bracket, threaded inserts for aftermarket brackets and included adjustable rubber feet for shelf/table mounting
Accessories	wall mount bracket, rubber feet rack mounts; CL2 (in-wall rated) 15' speaker cable connects SDA crossover module and bar.	wall mount bracket, rubber feet 15' color-coded CL2 (in-wall rated) wiring harness
Warranty	5 years	5 years

Specifications, dimensions and features subject to change without notice. For more information call us at 1-800-377-7655 (USA and Canada). Outside of North America call +1 (410) 358-3600.