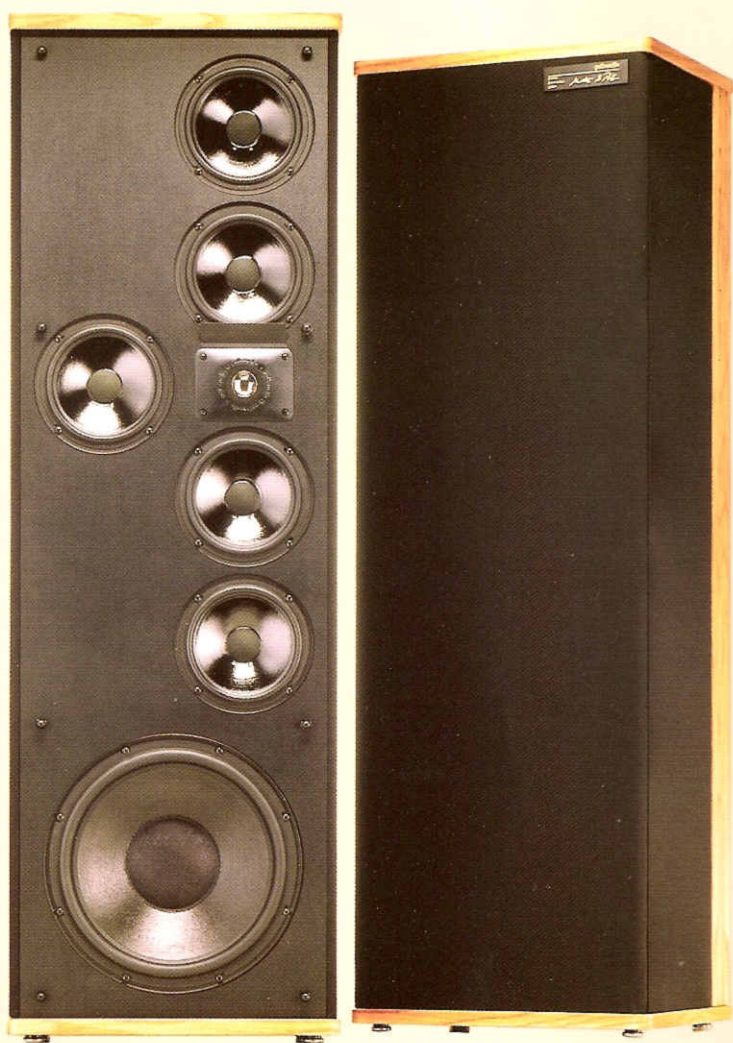


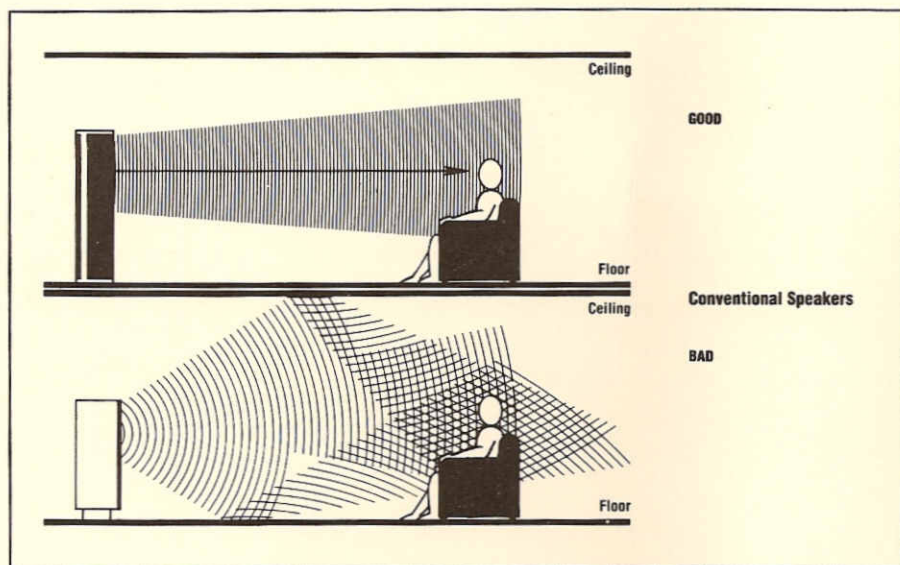
Polk's SRS 3.1TL

I N T R O D U C I N G

The SRS 3.1TL is the latest in Polk Audio's flagship Signature Reference Series product line. It was designed to provide virtually all of the performance advantages of the larger SRS models in a size and style which allow it to fit comfortably into any listening room.



Like its larger brothers, the SRS 3.1TL uses a vertical line source driver array which focuses the vertical dispersion of midrange frequencies.¹ In so doing, floor and ceiling reflections are minimized, thereby preventing the image smearing and tonal colorations created by such reflections.



1 — Line source technology focuses the vertical dispersion of midrange frequencies

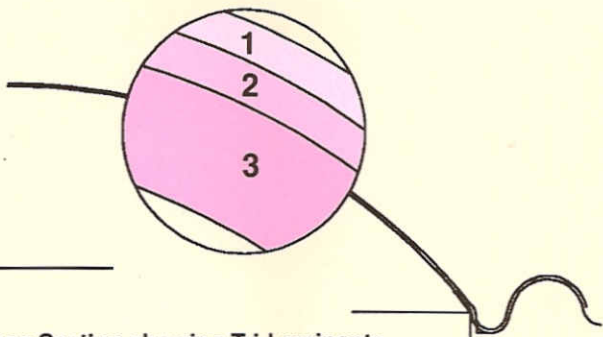
Imaging purity is also insured by the use of Polk's patented SDA technology. SDA Technology utilizes a naturally occurring signal which is contained in all stereo program material to cancel a form of acoustic distortion called "interaural crosstalk". As a result, all the stereo separation which is on the recording is maintained. Musical images are placed with pin-point precision across a sound stage of incredible depth and width.

The SRS 3.1TL utilizes an SL 3000 tweeter, arguably the best one inch dome tweeter available. This remarkable device features Polk's exclusive tri-laminate dome technology whereby microscopically thin layers of aluminum and stainless steel are vapor deposited onto a soft polyamide dome.² The result is a tweeter with all the benefits of both hard and soft domes. Midrange and high frequencies are accurately reproduced with incredible detail without the harshness of metal dome designs.

1 Stainless Steel
(0.00000394")

2 Aluminum
(0.00000394")

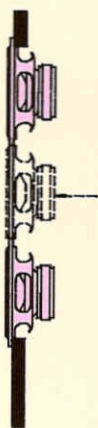
3 Polyamide
(0.004")



2 — SL 3000 Dome Tweeter Cross Section showing Tri-Laminants

Polk's SRS 3.1TL

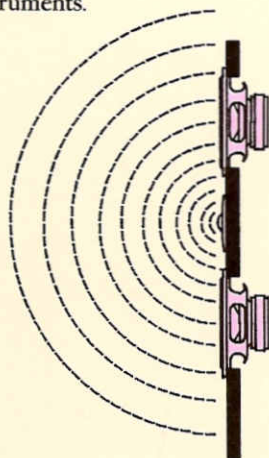
The tweeter is positioned in the acoustic center of the driver array, thereby providing "coincident radiation" where the driver and tweeter responses overlap.³ Seamless driver blending is thus assured for more natural reproduction of vocals and mid-range instruments.



The perceived source of sound of two identical drivers is centered in the area between them.



In the Polk loudspeaker, the tweeter is positioned at the acoustic center of the drivers.



Drivers and tweeter appear to operate together as an ideal point source resulting in precise imaging, uniform dispersion and startling midrange accuracy.

3 — The Principles of Coincident Radiation

Diffraction (or reflection) of sound waves off the speaker baffle or grille can ruin the tonal purity and imaging of an otherwise fine system. Polk engineers have eliminated such concerns in the SRS 3.1TL through the use of three techniques. First, the driver and tweeter array are offset on the baffle. This breaks up baffle symmetry which would promote diffraction. Second, the inside edge of the grille frame is rounded, eliminating a "hard" edge. Hard-edged frames also tend to encourage diffraction by unevenly dispersing sound waves. Third, the "diffraction spoiler" above the tweeter again breaks up baffle symmetry and deflects high frequencies away from the drivers which would ordinarily reflect the sound.

The SRS 3.1TL produces fast, detailed and powerfully deep bass. In each cabinet five active 6½ inch drivers are acoustically coupled to a 12" critically-tuned bass radiator. The small active drivers are light and fast for outstanding transient response and detail. The drivers and large bass radiator combine to provide a total surface area of 178 square inches to efficiently couple the driver energy to the room, for goosebump bass.

It will take only one listen to appreciate the superiority of the SRS 3.1TL. The soundstage is wide, deep and three-dimensional, much more reminiscent of an electrostatic speaker than a box. As with all Polk's the SRS 3.1TL is efficient and easily driven by most amplifiers. It has the bass and dynamic range of a large speaker while occupying less than 1½ square feet of floor space per cabinet. Its ability to resolve even the finest musical details and its coloration-free tonal balance place the Polk Audio SRS 3.1TL in a performance class of speakers costing far more.

Specifications for the SRS 3.1TL

Size (Inches)	13¾ (34cm) Deep × 15¾ (40cm) Wide × 48" (122cm) High
Shipping Weight	101 lbs. (45.8 kg) per cabinet
Driver Complement	4 × MW6503, 1 × MW6511 = Mid L.F. 1 × SL3000 = H.F. 1 × SW122 = P.R.
Enclosure Type	Passive radiator, left-right mirror imaged cabinets
Overall Frequency Response	15 Hz-26kHz
-3dB Limits	35 Hz-20kHz
Impedance	Compatible with 8 ohm outputs
Recommended Amplification	50-500 watts/channel

polkaudio
The Speaker Specialists®

5601 Metro Drive, Baltimore, MD 21215, USA (301) 358-3600