

I N F I N I T Y



RS Series



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Twenty years ago we started designing loudspeakers, mostly due to sheer frustration with existing products. We loved listening to live music but even the best hi-fi systems of that era didn't provide a very convincing illusion of the real thing. Our hobby became an obsession and that obsession gave roots to a very solid business. The ensuing years saw us retain our obsession for musical accuracy and become the second largest loudspeaker company in the nation.

Our first products were necessarily few. Exotic and expensive, they met with enthusiastic acceptance which enabled us to translate the new technologies they showcased into popularly priced loudspeakers. Our new RS Series is the culmination of a twenty-year process—the embodiment of a host of innovative design features never before offered at these modest prices.

All RS Series speakers are designed by Infinity throughout. No off-the-shelf parts are employed and all aspects of the speakers—drivers, cabinets and crossovers—are configured for exclusive use within this group.

Woofers are fifth generation polypropylene designs. Infinity pioneered the broad-based use of polypropylene drivers back in 1978 and has since been widely imitated. And for good reason: polypropylene's self-damping properties result in notably clearer and smoother reproduction than paper's. After eight years of research, we've succeeded in optimizing the response of our polypropylene cones with advanced magnet architectures and impedance-matched foam surrounds. The same type of woofers are used in the RS Series as in our \$35,000 Infinity Reference Standard, a system which represents the ultimate achievement in musical reproduction in the world today.

The top-of-the-line RS 4000 utilizes a special version of our revolutionary EMIT tweeter. A new, smaller aperture provides better high frequency dispersion and consequently greater latitude in listening positions. Double samarium cobalt magnets are used and its planar diaphragm weighs about half of what it used to—



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transients are sharper than ever and high frequency response extends to beyond 32kHz. Overtones are reproduced with startling realism.

The other three speakers in the RS Series use our proprietary Polycell tweeters, with domes made from polypropylene foam. Polycells are extremely light, provide extremely good transient response, and unlike most of the dome tweeters appearing in comparably priced products, give flat response out past 22kHz. Polypropylene has all of the virtues in the treble that it has in the midrange and bass—smooth response and a notable absence of delayed resonances that blurr reproduction.

Crossovers have been further refined to fine tune driver and phase responses, and in keeping with Infinity practice, we use only the highest quality capacitors and inductors. Impedance is a nominal 6 ohms.

In order to present the same *Sound-field* as our more expensive systems, we engineered all of the cabinets in the RS Series to minimize diffraction. Because we have curved the speakers' front vertical edges, you hear sound radiated from the drivers—not reflections thrown forward by the cabinet. "Floating" grills (with rounded inside edges) leave the drivers free to do their jobs, further minimizing diffraction distortion. Cabinets are solidly constructed of high density particle board and are finished in durable, very natural-looking Chatsworth Oak vinyl.

This new RS Series represents the realization of a major design objective for Infinity—provisions for minimum diffraction cabinet construction, advanced polypropylene drivers and EMIT tweeters in attractive speakers of modest size and cost. These systems give entree to a level of musical reproduction previously available only at immodest expenditures.



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RS 4000

The RS 4000 is our most elaborate RS Series speaker. Its 8" polypropylene woofer provides deep, accurate bass and its 3.5" polypropylene midrange offers extremely natural reproduction of voices and instruments. A new, smaller aperture EMIT tweeter dramatically improves high frequency extension (out past 32kHz), dispersion and transient response. Automatic-resetting tweeter protection circuitry virtually eliminates the possibility of overload and a level control is included to balance the EMIT's output to the listening environment. Power handling is a high 125 watts.

And finally, the handsome Chatsworth Oak minimum-diffraction cabinets keep the *Sound-field* well focused and their smooth contemporary lines permit easy integration into a variety of living spaces. In toto, the RS 4000 is a stunning amalgam of high resolution sound and visual aesthetics.

Frequency Response: 44Hz-32kHz \pm 3db
Crossover Frequencies: 500Hz, 5000 Hz
Power Rating: 20-125 watts
Efficiency: 89 db @ 1 watt, 1 meter
Nominal Impedance: 6 ohms
Dimensions: 22.5"H \times 12.5"W \times 10.25"D



RS 3000

The RS 3000 offers nearly the frequency range of the flagship RS 4000 at a substantially lower cost. This 2-way system uses the same 8" polypropylene woofer (in a slightly smaller enclosure) coupled, through a sophisticated crossover network, to a 1" Polycell tweeter. Polycells, which are made from polypropylene, are extremely light, exhibiting excellent transient and frequency response—to over 22kHz. The RS 3000 reaches satisfying volume levels with as little as 20 watts, but will readily absorb the full output of a 100 watt amplifier.

Stylish as the cabinets are, they are also functional. Because the front vertical edges are rounded, diffraction is minimized—you hear a solid stereo image throughout the listening room. And the Chatsworth Oak finish is as beautiful as it is durable. The RS 3000 represents uncompromised quality at a surprisingly low price.

Frequency Response: 45Hz-22kHz \pm 3db
Crossover Frequency: 4000Hz
Power Rating: 20-100 watts
Efficiency: 89 db @ 1 watt, 1 meter
Nominal Impedance: 6 ohms
Dimensions: 20.75"H \times 12"W \times 10.25"D



RS 2000

The RS 2000 is an upgraded version of our most popular speaker ever: the RS 10. Like its predecessor, this 2-way system will function perfectly in a wide variety of locations. Large rooms, small rooms; bookshelves, pedestals—all are suitable environments. The RS 2000 can fill a room with high intensity, low distortion sound and the same low-diffraction grill and cabinet used in our larger speakers insures exceptional clarity of reproduction.

A new 35mm Polycell tweeter offers improved performance near the crossover point. Its whole diaphragm radiates at lower frequencies, while at higher ones, just the center 12mm section works. An improved crossover network ties this Polycell to a refined 6.5" polypropylene woofer. The cabinet is made from high density particle board and covered in attractive Chatsworth Oak vinyl. While compact and unobtrusive, it is in no sense a small speaker.

Frequency Response: 57Hz-22kHz \pm 3db
Crossover Frequency: 4500Hz
Power Rating: 15-75 watts
Efficiency: 89 db @ 1 watt, 1 meter
Nominal Impedance: 6 ohms
Dimensions: 14.25"H \times 8.8"W \times 7.75"D



RS 1000

The RS 1000 makes high quality sound reproduction available to any budget. It features the same loudspeaker technology as all the speakers in the RS line: minimum diffraction cabinets and grills, polypropylene drivers and precision crossover networks. A specially designed 4.5" woofer provides surprisingly deep, tight bass and the tweeter is the same 35mm Polycell used in the RS 2000, providing detail and frequency response transcending its price category.

Cabinetry is, of course, high-density particle board covered with handsome, durable and realistic Chatsworth Oak vinyl. Be it dorm room or den, the RS 1000 will enhance any living area—both visually and sonically.

Frequency Response: 72Hz-22kHz \pm 3db
Crossover Frequency: 5500Hz
Power Rating: 8-50 watts
Efficiency: 89 db @ 1 watt, 1 meter
Nominal Impedance: 6 ohms
Dimensions: 12.75"H \times 7.5"W \times 6.75"

 **Infinity**

We get you back to what it's all about. Music.

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