

# Infinity RS<sub>b</sub>

It lets you experience  
what you never thought  
you could afford.



When you listen to RS<sub>b</sub> you are listening to the same remarkable advancement in speaker technology that has made our \$3,500 Reference Standard 4.5 the most raved-about speaker in audio today. The unblurred, open detail, the breathtaking accuracy of vocal and instrumental sonorities that is the hallmark of all expensive Infinity speakers is apparent in the RS<sub>b</sub>. Yet the technology that makes RS<sub>b</sub> possible didn't exist just a short time ago.

Among the countless speakers in its price range, RS<sub>b</sub> stands uniquely apart; both as a statement of advanced Infinity engineering, and as an unheard-of value in musical realism. We expect you'll be pleasantly surprised to find that the exciting musical accuracy you've always wanted now costs less than you'd ever expect.

## Our rapid transient system.

Picture the transient nature of live sound: the urgent authority of a sforzando tympani; the lithe delicacy of a guitar cadenza; the stabbing bite of a bass trombone section. This instant onset of large amounts of energy is especially demanding on the new direct-to-disc and digital technology recordings. In order to accurately reproduce these demanding transients, the speaker's voice-coil must be rapidly and accurately accelerated in direct response to the music signal. And the speaker cone must follow the in-and-out motion of the voice-coil exactly.

Most speakers simply are not up to the task.

Picture the voice coil trying to push and pull a heavy, floppy paper speaker cone. The cone is always dragging behind the music, trying to catch up; overshooting, undershooting. What happened musically a moment ago is always modifying the present. The result: musical mud.

That's why Infinity has replaced paper with polypropylene as the cone material for both the bass and midrange drivers in RS<sub>b</sub>. Used in

this application it's the ideal cone material: light, stiff and acoustically inert; unaffected by heat or moisture.

Infinity's polypropylene drivers respond with speed and precision. And without adding the distortion characteristic of paper cones. The difference is audible. And refreshing.



*Polypropylene woofer cone. Ideally light, stiff and acoustically inert, it can act as a virtually perfect piston, and without producing internal forms of distortion found in paper cones.*



*Five-inch midrange with polypropylene cone.*



*Rotatable Electromagnetic Induction Tweeter. Its etched voice-coil on a planar diaphragm is driven by magnets of rare-earth samarium cobalt, six times stronger than ferrite.*

### **Polypropylene midrange and EMIT™ tweeter: Two states of the Art.**

The importance of the frequency range covered by our midrange unit cannot be overstressed. This is the area where the ear derives most of its information, and where musical accuracy is therefore critical. For this reason RS<sub>B</sub> uses the same 5" (0.13-m) polypropylene driver used in our more expensive Reference Standard 1.5.

The top end of the RS<sub>B</sub> is handled

by EMIT, Infinity's acclaimed electromagnetic induction tweeter—an elegant solution to the problem of efficient high-frequency reproduction. This highly advanced driver, used in all Infinity speakers up to, and including the 4.5, recreates musical overtones with "air" and sparkle. A planar-diaphragm tweeter, its response extends to a super-auditory 32,000 Hz with extraordinary power and dispersion.

On the off chance that you may wish to use RS<sub>B</sub> on its side, EMIT is rotatable so that its wide horizontal high frequency dispersion is always optimum.

Clarity, body and fullness: the sound of RS<sub>B</sub>'s three superb drivers combine together to form a cohesive sound image. The speakers will disappear. Music will exist in the space between and behind a pair of RS<sub>B</sub>s in a rich aural tapestry, a precise recreation of the musical event.

### **The sum of its parts...music.**

RS<sub>B</sub> is the result of our commitment to the ideal of affordable accuracy in comparison with the absolute reference: live music. We believe music deserves to be heard exactly as it was produced at the source. So RS<sub>B</sub> adds virtually nothing. Its personality is the personality of the music.

Which is why RS<sub>B</sub>, like all Infinity speakers, is ideal for all types of music.

To be certain that RS<sub>B</sub> looks as good in your space as it sounds in the musical space it recreates, we've crafted RS<sub>B</sub> with hand-rubbed oak veneer, the finest grade, and covered the removable grille with acoustically transparent warm brown fabric.

The sheer honesty of RS<sub>B</sub> cannot be described. To be truly evaluated they must be auditioned with demanding—and familiar program material. For while the best judge of a violin's sound may be a violinist, it's nearly impossible to fool anyone about the qualities of the human voice—a sound with which we are all intimately familiar.

Listen, for example, to James Taylor on "J.T."/Columbia. His voice will never sound "tubby" or nasal, but will have a natural liquidity and roundness.

And listen to massed voices: M&K Realtime's direct-to-disc recording "Encore" with the Roger Wagner Chorale. In both cases, the RS<sub>B</sub> lets you distinguish the inherent timbres of each voice and follow it through the music with ease.

This pure rendering and lack of coloration is equally evident with instrumental music.

Generations ago, in Cremona, Leipzig and Vienna, exciting advances were made in the technology of musical instruments.

Today, in Canoga Park, we believe significant advances are being made in the technology of musical reproduction.

The RS<sub>B</sub> is one of Infinity's more recent contributions to that advance.

### **Specifications**

#### **Axial frequency response:**

45 Hz through 32 kHz  $\pm$  3 db.

#### **Crossover frequency:**

600 and 4000 Hz.

#### **Suggested for use with amplifiers or receivers of:**

25 to 150 watts per channel rms.

#### **Drivers:**

EMIT (Electromagnetic Induction Tweeter) Rotatable. Tweeter has fuse protection. 5" (12.5 cm) polypropylene midrange.

#### **Nominal impedance:**

4 ohms.

#### **Dimensions:**

25 inches  $\times$  14 inches  $\times$  10 inches deep. (63 cm  $\times$  35 cm  $\times$  25 cm deep.)

#### **Packed weight (Approx.):**

43 pounds (19.5 Kg.)

#### **Finish:**

Oak veneer over high-density particle board. Grille is removeable: brown cloth on frame.

#### **Warranty:**

Five years, transferrable. (See complete warranty statement.)

Because Infinity strives always to improve existing products, specifications and prices are subject to change.

 **Infinity**<sup>™</sup>

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

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