

REFERENCE SERIES

Infinity





LISTEN, CLOSELY.

Getting all the music from the live performance into your listening room has always been the idea behind every Infinity speaker. From our massive 2.3 metres IRS V, regarded as the best speaker ever made, to our landmark 3-piece Modulus™ system.

That is the idea behind the Infinity Reference Series.

For example, do you hear a subtle counter-melody in the bass line—or does it merely sound like a dull thud? Is the sensuous beauty of a Brahms slow movement rich in detail—or is it blurred and indistinct? Is Clapton's guitar on fire—or is it just loud?

If you understand the difference, then the Infinity Reference Series is what you've been looking for. These speakers are designed for serious music listeners who demand superb definition, responsiveness and clarity.

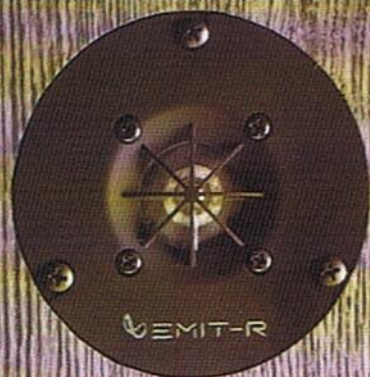
In other words, speakers that get more music out of the music.

With the Infinity Reference Series, you can listen carefully and critically. To the low, throaty moan of a saxophone, rich and eloquent. A Stratocaster guitar that crashes, then soars. The crisp ringing of a trumpet solo.

And you'll discover what you've been missing.



"Our 2.3 metres monument to music: the awesome IRS V, the most accurate loudspeaker in the world."



LOOK, CLOSELY.

For more than two decades, our relentless obsession with live music has led us time and again to make significant advances in how a speaker performs.

The Infinity Reference Series was created from this obsession: To reveal every nuance of music, and to redefine the audio standard in its price class.

Meeting these goals required our massive commitment to research and development, and a willingness to use radical, new technology that preempts other less sophisticated designs.

Examine the cone of the IMG™ (Injection-Molded Graphite) woofer. Infinity's engineers combined polypropylene (known to be acoustically-inert) with radially-aligned graphite fibers for stiffness, resulting in a cone with the highest stiffness-to-mass ratio of any cone made.

This stiffness (combined with a unique curvilinear shape) makes the cone move more accurately to the voice coil's command. Its low mass means greatly improved transient response—the cone's ability to react to sudden changes in electronic signals instantly. So bass sounds clean, punchy and tight in all our Reference Series speakers.

Even small things can make a big difference. Infinity engineers discovered that critical flexing occurs where the voice coil joins the cone. By inverting the dust cap, greater structural rigidity is achieved and flexing is minimized for a smoother, more accurate response to musical signals.

The technicians call it greater linearity. You will call it better, more natural sounding bass. Listen to the clean bottom notes of a kettle drum. Or an almost hidden synthesizer pulse tucked away in a rhythm section. Infinity Reference Series speakers always let all the music through.

Moreover, this lighter, stiffer woofer extends the optimum frequency range for a smoother transition to the IMG midrange driver.

The midrange is extremely critical, because so much of the music is in this portion of the audio spectrum. To accomplish full, rich midrange, the Infinity Reference Series utilizes a 12.7 cm injection-molded IMG midrange driver. (You'll notice the inverted dust cap and curvilinear design here, as well, for greater transient response and linearity.)

A NEW WAY TO EMIT HIGHER FREQUENCIES.

Infinity speakers have long been known for their unique EMIT™ (Electromagnetic Induction) tweeters. Using magnetic induction drive in a planar design to extend high frequency response, the EMIT tweeter can reproduce treble beyond 40kHz. Being able to handle these extreme frequencies means that the outermost edge of the harmonics is not lost.

But Infinity engineers have not been content to rest on their laurels. They designed a new generation of EMIT technology, the round-aperture EMIT-R™, which delivers uniform dispersion of high frequencies, regardless of horizontal or vertical speaker placement.

You'll hear the improvement in every cymbal crash, flute arpeggio, and airy, detailed orchestral string section.

For the three bookshelf models, the Reference 10, Reference 20, and Reference 40, Infinity chose its superbly accurate Polycell™ tweeter. This dome tweeter uses an extremely low-mass, cellular polypropylene diaphragm to produce sparkling high frequencies at low power levels. Brilliantly.

TECHNOLOGY FOR SIGHT AND SOUND.

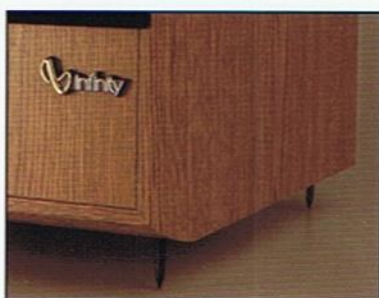
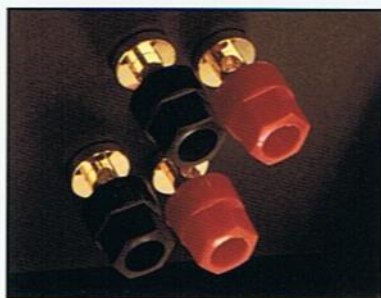
No less a part of our speaker systems is the cabinetry.

Each Reference Series cabinet has been carefully sculpted to project the music outward from the drivers without reflecting back onto the edges of the enclosure or grille. There is no diffraction of sound waves to muddy or blur the aural image.

The handsome profile of the cabinets makes Reference Series speakers as appealing to the eye as the ear. Finished in Chatsworth Oak or Black Ash vinyl, each pair of cabinets easily integrates into most any decor.

The Infinity Reference Series. A most compelling combination of sight and sound!

An absolutely compelling testament to the high science of Infinity engineering merged with your ardent desire to bring more music into your life.





REFERENCE 10

Even when space and budget are limited, there is no reason to settle for anything less than this remarkably satisfying two-way bookshelf speaker system. The 15.2 cm IMG cone woofer and 1.9 cm Polycell tweeter deliver smooth, clean response from 55Hz to 25kHz.

No detail has been omitted from the Reference 10's design. Gold plated binding posts permit use of any type speaker wire and the enclosure has been constructed for low diffraction for an airier and cleaner sound stage. Bass response is tight and highs are crisp. Even a moderately powered amplifier can drive this system to fill a room with music.

REFERENCE 20

A no-compromise two-way system that compares to more costly three-way systems. Infinity adds a larger 20.3 cm IMG cone woofer to this speaker, lowering bass response to an impressive 50Hz. Crossing over to the 2.5 cm Polycell tweeter, the frequency response range extends to a sparkling 25kHz.

The Reference 20 also includes gold plated binding posts and a sculpted enclosure for low diffraction. This system may be the ideal choice for music lovers assembling their first high quality music system.

REFERENCE 30

Using the same driver components as the Reference 20, this floor-standing model represents an affordable alternative to higher priced speakers.

Spiked feet decouple the speaker from the floor, resulting in tighter bass and more detailed midrange. Gold plated binding posts permit use of any type speaker wire, and the rounded corners of the cabinet diminish diffraction distortion.

The Reference 30 accurately reproduces the most delicate musical nuances at low volume levels, yet handles the most demanding musical dynamics with unprecedented ease.



SELECTING YOUR INFINITY REFERENCE SERIES SPEAKER.

REFERENCE 40

If you are looking for a dynamic demonstration of the Reference Series' outstanding value and performance, here it is. This three-way bookshelf system combines all of Infinity's phenomenal technology with a price that in no small way outperforms the competition.

The 20.3 cm IMG cone woofer provides bass that is punchy and undistorted. Then a 12.7 cm IMG cone midrange installed into its own sealed compartment (stuffed with long hair wool for superior damping of midrange resonances) resolves the critical voice and instrument range. The 2.5 cm Polycell tweeter extends the upper frequency range of the system to 25kHz.

Included are gold plated binding posts and a sculpted cabinet that minimizes the effect of diffraction.

This system brings out amazing detail in even complex orchestral passages, or the most demanding contemporary music.

REFERENCE 50

A floor-standing system using the same driver components and technology as the Reference 40. The result is a hallmark combination of accuracy, responsiveness and musicality. For many demanding listeners, this is their conclusive speaker system, revealing new details and depth in even well-known recordings.

Bass response is linear and extremely clean due to the 20.3cm IMG cone woofer contained within a spacious enclosure. The 12.7 cm IMG cone midrange installed in a compartment that is stuffed with long hair wool and the new Infinity EMIT-R planar tweeter add to the spaciousness and clarity of the system. This combination of drivers and a specially designed linear phase crossover reproduce the audio range of 44Hz to 40kHz with superb linearity and low distortion.

The Reference 50 includes two sets of gold plated speaker binding posts to permit the connection of two separate power amplifiers for biamplication, resulting in extraordinary bass clarity and power capability. In addition, there are spiked feet to decouple the speaker from the floor.

REFERENCE 60

The ultimate Reference tower. Despite its ultra-high performance, its price places it in an affordable range. This three-way system begins with two 20.3 cm IMG cone woofers for deep bass reproduction, then adds a 12.7cm IMG cone midrange enclosed in a separate compartment that is stuffed with long hair wool, resulting in resonant-free sound in this critical frequency range. Highs are reproduced effortlessly by the new Infinity EMIT-R planar tweeter that extends the range of the system to 40 kHz in order to achieve sparkling sound within the audible range.

The enclosure offers sculpted corners for low diffraction; two sets of gold plated speaker binding posts for biamplication and spiked feet to decouple the speaker from the floor.

This top-of-the-line tower combines exceptionally low distortion, broad frequency response, and high power handling capability to reveal every subtle musical nuance with surprising depth, texture and clarity.



REFERENCE SERIES

Model	Frequency Response	Crossover	Sensitivity	Nominal Impedance	Power Handling	Drivers	Cabinet Finish	Dimensions
Reference 10	55Hz-25kHz ± 2.5 dB	4,500Hz	90dB @ 2.8 v/1 meter	6 ohms	10-75 watts	15.2 cm IMG woofer 1.9 cm Polycell tweeter	Chatsworth Oak or Black Ash vinyl	36.19 cm height 22.86 cm width 22.54 cm depth*
Reference 20	50Hz-25kHz ± 2.5 dB	3,000Hz	90dB @ 2.8 v/1 meter	6 ohms	15-100 watts	20.3 cm IMG woofer 2.5 cm Polycell tweeter	Chatsworth Oak or Black Ash vinyl	46.35 cm height 26.67 cm width 25.08 cm depth*
Reference 30	47Hz-25kHz ± 2.5 dB	3,000Hz	90dB @ 2.8 v/1 meter	6 ohms	15-100 watts	20.3 cm IMG woofer 2.5 cm Polycell tweeter	Chatsworth Oak or Black Ash vinyl	83.82 cm height** 26.67 cm width 25.08 cm depth*
Reference 40	46Hz-25kHz ± 2.5 dB	400Hz 3,500Hz	90dB @ 2.8 v/1 meter	6 ohms	20-125 watts	20.3 cm IMG woofer 12.7 cm IMG midrange 2.5 cm Polycell tweeter	Chatsworth Oak or Black Ash vinyl	54.92 cm height 26.67 cm width 25.08 cm depth*
Reference 50	44Hz-40kHz ± 2.5 dB	300Hz 4,000Hz	90dB @ 2.8 v/1 meter	6 ohms	25-150 watts	20.3 cm IMG woofer 12.7 cm IMG midrange Emit-R tweeter	Chatsworth Oak or Black Ash vinyl	83.82 cm height** 26.67 cm width 25.08 cm depth*
Reference 60	42Hz-40kHz ± 2.5 dB	250Hz 4,000Hz	90dB @ 2.8 v/1 meter	6 ohms	35-200 watts	Two 20.3 cm IMG woofers 12.7 cm IMG midrange Emit-R tweeter	Chatsworth Oak or Black Ash vinyl	96.52 cm height** 26.67 cm width 34.29 cm depth*

*Includes grille

**Does not include spiked feet

Infinity constantly strives to improve existing products as well as create new ones. Therefore, the specifications and construction details in this and related publications are subject to change without notice.

Infinity Reference Series speakers are designed and manufactured in the U.S.A. Patents issued and pending in the U.S.A. and other countries.



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