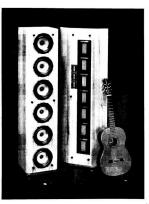
INFINITY RS-1B SPEAKER SYSTEM



Five-way dynamic system with EMIT tweeters, EMIM midranges, and servo-controlled cone woofers. Electronic crossover frequencies: 125, 700, 3000 and 8000 Hz. Dimensions. LF section: 60° H by 14° W

by 15" D. Dimensions, HF section: 60" H by 22" W by 13" D. PRICE: \$5295. MANUFACTURER: Infinity Systems, 7900 Decring Ave., Canoga Park, CA 91304. I'll say one thing right off about the Infinity RS-1B: It sure looks as if you're gesting your money's worth.

The system comes in five sections: two

The system comes in five secjoins two worder columns, two upper-range columns, and an active crossover and service construction and an active crossover and service control module. Each base column control service is a size when the per-range column control service is and the upper-range column controls service in thinting of services and four BMT ribbon versets; (not of their mining out the range of all things). System crossovers are at 125 (nonimal), 79, 30, 600, and 8000 Hz, and the frequency goes up to minimally writted in relief bearing duties of phase implements of the columns of

The RS-1B must be biamplified using its own specific crossoverservo module. This has front nanel adjustments for woofer crossover frequency, woofer level, bass contour (rising, flat, or rolling off with diminishing frequency). LF range (cutoffs at 22, 30, or 36 Hz), and amplifier input imnedance. The crossover has amolifying circuitry only in the LF section; the signal fed to the upper frequency amplifiers is passive (unamplified), so there's virtually no possibility of adding nonlinear distortion components to the signal.1 Because of this, the turnover frequency of the high-pass section varies according to the input impedance of the HF amplifier. (With a given capacitor in series, the crossover point will rise as amplifier input impedance diminishes. When the front panel impedance switch is set to match that of the higher-frequency amplifier? crossovers will occur at ferquencies specified in the instruction manual.) There are also driver level artius(ments on the upper range speaker towers, for "Low Tweeter" (2 to 5 kHz) and "High Tweeter"

1 There is the possibility that the capacitor used as a high pass filter could contaminate the sound, and this has, in fact, been reported by some users who substituted a better capacitor. LA

2 This specification is not always supplied with an amplifier, but can be obtained by a phone call (8 kHz up). It would seem you should be able to get just about any kind of sound from the RS-1Bs you wish, and that proves to be almost the case.

to be almost the case.
The servo function requires an unusual woofer hookup. The woofer columns do not connect discretly to their LF driving amplifier, but instead to 5-way binding posts on the crossover module. The module, in turn, connects to the LF driving amp. This arrangement allows the device to compare LF amplifier output signals with signals and portain a contract of the property growth the property growth the contract of the care of the

The only potential problem with this servo driving system is the possibility of damaging an amplifier which inverts the polarity of the signal going through it. An inverting amp will turn the crossover's back-EMF cancellation inverse feedback into positive feedback, driving the amplifier into full-power oscillation. Infinity's manual spells out the risk of this in no uncertain terms, but it doesn't hurt to underscore it here. Most modern amplifiers are non-inverting, but, rather than assume yours is it's best to find out for sure before using it with the RS-1. Most spec sheets will provide this information, as will the amolifier listings in Audio magazine's Equipment Directory, (Or, again, you could call the amp manufacturer.) If all else fails, you can safely test the amplifier for polarity as described in the accompanying box.

should note that Infinity's comprehensive and detailed instruction amount for the RS-IIB perpentuates what I feet to be a myth, a best in a popular one threa days. This conpolative, 'Unbookure phase', I from carridge to speaken, As I have pointed out before, I will not appe the fact that polarity reversal in a system often changes the sound, and that one polatity will often sound per that the polarity that is a system often to find so whether that better-sounding polarity duplicates the better sounding polarity duplicates the better sounding polarity objective of the objective of the original sounds, or whether

While we're on the subject of polarity. I

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TESTING FOR OSCILLATION

holders.)

Here is the most straightfoeward way of ascertaining whether a power amplifier will be stable (i.e., won't oscillate) in actual use, with adequate protection against damage if it does oscillate. Low current fuses are the cheapest form of

current tases are the checapest form of protection.

If the amplifier is already equipped with speaker fuses in its outpeas, replace these with 0.25-amp fast-blow fuses. (If it hasn't its own fuses, buy a couple of standard in line fuse holders, put one in series with the Hot output from each arm channel, and locall the 0.25-amp.

fuses.) Connect all your signal and speaker

it merely enhances other aspects of the sound. (Many loudspeakers, for example, exhibit asymmetrical cone excursion in response to symmetrical input.) Until thenand in the absence of any standard polarity at the recording end of the chain, I feel it pointless to try to achieve absolute phase in the playback system through the use of noninverting components.3 It makes far more sense to listen to both polarity conditions, and use the one that sounds better with most recordings. If you find yourself bothered by those recordings which don't conform, you can wire a phase-reverse switch into the sneaker leads and diddle that to your heart's content.4

A Not to mention the foolishness of upgrading or verting or inverting. Phase inversion is a characteristic that accompanies all gain stages; even numbers of gain stages in a component will cause it to noninvert, while odd numbers will cause it to invert. Therefore, a supposedly bad, inverting, component could be 'improved' by adding ver another gain stage! In fact, designers normally use the minimum number of gain stages to get the job done but that comber will vary with the type of component and particular topology employed. Inversion or lack of it becomes even less impor tent when you consider that not only compo nents, but recordings as well, vary in this characteristic, you will never be "right" with all sources and all equipment.

cables, and turn everything on. The system should work. If you get no signal from the amplifier under test, or if there is a POP when you turn things on, check the fuses. If they're blown, your bass amp inverts polarity.

bass amp inverts potanty. If it does, the solution in the case of the RS-1B is simple; just flip a switch at the rear of the the crossover module (you must loosen two screws to do this), and you can use yous inverting amp with the RS-1B. Pirally, don't longest to replace the 0.25 amp fuses with the originals (If it had no bases, you can discard the fuse

Despite the unconventional bass amp hockup, installation of the 8x-18 ts, at least installation in the state of the state

My first listen to the Infinitys used an Electron Kinetics Elaje 78 on the high end, a BEL 2002 on the low. I was underwhelmed. The low end was excellent, but the upper part of the asidio range had problems. First, and most immediately noticeable, uses the system's lack of adequate mid-to-lower-middle-range output, which could on the corrected via any of the

delivers everything it's capable of

4 Except with the RS-1Bs, where this procedure would put the midrange-tweeter towers out of phase with the wooters. Blessed are those who own Klyne KS-5 pecanges, the only product I know of that allows you to conveniently switch

available driver level controls. The overall sound was rich and luszious, but — pardon the expression—the system lucked balls. And, although three seemed no shortage of high end range, the sound seemed just a ball sow. There was another problem which I can't exactly explain. My gazes is that the system has some exceedingly small, sharp response peaks at the high end, and because of them the St-libs seem to esuggest are any traces of roughness (grundge) in the signal source.

So, I swapped amplifiers. The low end improved a little with the Eagle, and the upper ranges sounded a little less rough with the BEL, but the sound was even more untrousty dead. And, although reduced, that tendency to exacerbate crud in the signal remainer.

I recalled that Infinity usually demose their loudispackers at CES with Audio Research tube electronics, and wondered whether that vastroy of any might not be a whether that vastroy of any might not be a house a straight of the straight of the straight of here a waiting delivery of some [promised]. Audio Research ample for so long now that we no longer hold our breath, but we had just recently received a pair of Consul Johnson's musaive mono Premier Pives. So to shelpped those home (90 the earth, lossed) from the office anorteroom and fined, the lossed from the coffice anorteroom and fined that the straight of the

I won't say the Premier Fives transformed the RS-1Bs into a WAMM or into Infinity's own IRS system, but for the first time t began to understand why people have been willing to spend \$5295 on this system. These are among the few speakers I've heard in ages that can stand my hair on end!

These are among the few speakers I've heard in ages that can stand my hair on end! First of all, the R8-18s seem to have no practical upper: limit of power-handling capability! They will play at very high levels (like 110 dB no peaks!) without a trace of strain or hardness, assuming of course that you throw enough power at them the Premier Fives can throw 200 watts per channels. This hair "dieltas' heavith" (ideltas' heavith" (ideltas' heavith").

The RS-IBs image about as well as any large loudspeakers I have heard. This puts them in the class of the WAMM and the IRS, both of which I consider to represent the

and reproduction of depth. The RS-1Bs are the first speakers I've had in my listening room which actually put some of the soundstage (on appropriately-miked recordings) beyond the lateral limits of the speakers—something I did not believe possible except in a crosm with highly reflective walls (mine zer not). They are bettered in maging specificity by a few timy satellite speakers and, I suspect, by some curvedpanel electrostatics, but only a small

state of the art for soundstage presentation

These are big-sounding speakers, with a gutsy forcefulness that I do not recall encountering in any audiophile system. When a trombone speaks from these, you sit up and pay attention! If you wished to reproduce the voice of God, these speakers could do it. Bowed cellos, synthesizer grunts, and piano bass strings have just the right amount of attack and delineation, and with balance controls properly adjusted, all other musical timbres are reproduced with superb accuracy. No instrument is slighted. and-despite the complexity of the crossover network-the drivers mesh almost seamlessly. (The only discontinuity I could hear, and then only on piano, was the transition from the EMIMs to the cone woofers. at which point the piano strings seemed to lose a little of their "twang".) Massed violins are gorgeously smooth, yet with all the fine-grained gutty edge of the real instruments. Brushed cymbals are open and natural sounding, and brass and steel are easily distinguished.

range system in my listening room that would price out a fill-level 30-Hz signal, but, would price out a fill-level 30-Hz signal, but, with their LF response etc for Flat, these do 3-Hz position, 30-Hz position, 30-Hz position, 50-Hz posi

pact and awesome range. The cannons

The system's low end is particularly im-

pressive. I have never before had a full-

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from Telarc's 1812 CD produced what felt

like shock waves!

In fact, impactive sounds are one of the
85-185 stropest points. The attacks of
hard transients—snare drums, rim shots,
and xylophone strikes—are razor-sharp,
yet the speaker is entirely free from the exagecrated hardness and stridency found in
most other speakers with comparable limmost other speakers with comparable im-

nact canability. The only areas in which I have heard the BS. IBs bettered are transparency, realism. and high-end openness and delicacy, all of which are better presented by some fullcanno electrostatics, notably the Martin Logan Monoliths. For example, the RS-1b's rendition of detail, while awesome, sounded a little beavy-handed, as if sharpness were substituting for delicacy. And while its high end was very smooth, the sound lacked the sugrity and musical sweetness of the electrostatics. In the area of realism-the ability to give the impression that real, live instruments are playing-the RS-1Bs did very well, but

spaces between bursts of musical sound.
Yet, I continue to be immersely impressed by the sound of the RS-IBs, and that as whar I felt ultimately to be their most outstanding characteristic: they have an "impressive" sound. They are awesomety exciting to listen to, and do an incredible job with bombastic, massive works like while in the work of the work

were not equal to the best I have heard. In

comparison, the RS-1B tended to fill in the

Mahler's Second symphony and the 1827 Overture, and with high-powered recolorings like Sheffleid's "Faste and Drust records But I I lound them rather less satisfying when reproducing smaller-scaled, more institute amental, such as charactin, such as a s

teness.
There are a few other problems with the RS-1Bs, not the least of which is their setup. These speakers offer so much potential for superb sound quality that all the tweak fac-

tors, of little importance in mediocre systems, assume paramount importance. To set up the speakers according to the diagram in the manual, set all controls for Pilat and let it go at that, is to throw away half the potential (and half the considerable cost) of the system.

The Bi-II is one of the most revealing systems you can own, which is one bolivious reason why it "prefers" tubed amplification which it is not believed to the state of the st

that is this you are not likely to get the best results from the St-lbts unless you use tubed power amps, and the best tubed camps at that. It is probably safe to say that no tubed camp made is no good for the sysless to a distinct of the state of the state of the St-lbt, you can probably plan on paying at least an additional four grand or so (the Free iner Free sare follow) for suitable upperrange power amps. (The Inflatity wooders equite only that the amplifier have high power and high current capability, and the ments are sold it state.)

One thing is perfectly clear, though, and

As with any system baving such a wide variety of frequency-response adjustments, the ability to obtain almost perfect response is countered by the even greater fleathbood of royally screwing up. While there is only incore, insensing room, and complement of associated equipment, there is an almost infinite range of possible mail-adjustment—and the only way of telling when things are "right" is by ear. This means that, if you are

finite range of possible mai-adjustments and the only way of telling when things are "right" is by ear. This means that, if you are going to get anything better than frustration or endless indecision from the RS-IBs, you'd better have a very sophisticated set of east or one helibway competent dealer to in-

stall them for you.

For what it's worth, here's how I went about adjusting the controls. First, I set the crossover controls to their (theoretically) flattest positions. Then I turned the woofers off and the tweeters all the way down. Us ing a variety of recordings whose derivations I trust (including some of my own rapes). I adjusted woofer level for what sounded like the most natural LF balance. (Some of these recordings, for instance, are known to have somewhat heavy bass, so the "correct" setting with the 1-Bs gave somewhat beavy bass.) Then I set the Lower Tweeter controls to their "flat" midnoint and listened carefully to the sounds of violins, woodwinds, and female voices. All were a little too hard, so these controls were backed off until they sounded right Now all that was missing were the upper overtones. For these, I started adjusting the High Tweeter controls from their lowest position (rather than from "Flat") until vocal sibilants, violin auttiness, and woodwind reediness were in proper balance. What's "proper" to me may not be so to someone else (and varies a lot on phono sources, depending on what cartridge you use, though this isn't a problem with CD or tape), but the most important thing to bear in mind is that you can tailor the upper end of this sys-

listening volume, because the car's lift response varies according to program level, in my rooms, with my associated equipment of the control of the control

of losing sight of which end is up, and of

spending the rest of your life trying to

tweak the system to a point of perfection

beyond that of any one recording

tem to sound just about any way you want

(Incidentally, it is essential to do the HF

balancing adjustments at your normal

Room placement and speaker orientation are two other things which take a lot of time to get right. As usual, the manufacture's recommendation here is only a starting point. Everything from soundstagging to total accuracy is affected by the speakers' placement and orientation in a particular moon, and only through experimentation over weeks or months will it be possible to get the most out of the system. Several readers have reported problems with frequent flust belowing in RS-IBs. In

Several readers have reported problems with frequent fuse blowing in RS-1Bs. In fac, I managed to blow ling in RS-1Bs. In fac, I managed to blow ling in Wester fuse, several times myself during listening tests, often for no apparent reason. The manufacture's gases is fath this is caused by amplifier overload (clipping), but I hardly consider the Contrad fontosen amps to be hard-clipping amplifiers. That problem remains contradiction of the contra

All in all then, the RS-1Bs must be ranked among the very best speaker systems that money can buy without going completely overboard. They are not The Ultimate Speaker for everybody, but in view of what they do superbly. I think it fair and accurate to describe the RS-1Bs as the quintessential audiophile speaker system. These speakers do nothing valued by the critical audiophile anything short of superbly! People who get to hear live music frequently, and who value what we have come to call "musicality"-sweetness, warmth, and delicacymay be better off choosing something else. like the Martin Logan Monoliths or the new Xstatic electrostatics, but in so doing they will give up some of the impact and drama that are just as characteristic of live music. IGH

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THE INFINITY IRS-III AND RS-1B: STILL FURTHER CONSIDERATIONS

Anthony H. Cordesman

No speaker ever totally disguises the compromises it must make with the laws of physics. Infinity's two largest monitor speakers, however, come as close to hiding theirs as any full-range speakers available. The Infinity IRS has long ranked as one of the top two or three speakers in the world. The RS-1B has slowly emerged as one of the top two or three speakers for the ordinary home. I now use the RS-1B as my home

reference speaker, and a nearby [IS-III] at Excalibur Audio as a listening "control" when I'm unsure about how a given piece of equipment would sound on a true linesource speaker or with full response in the lowest octave! With the proper drive electronics and adjustments, both speaker systems are more than reference equipment: they provide as musically convincing and enjoyable a sound source as any equipment around.

At the same time, both speaker systems have their weaknesses, and these tradeoffs provide insights into what can and cannot be accomplished with today's speaker designs.

I This doesn't apply to amplifier evaluation, since the IRS-III has its own servo-amplifiers for the low end. —LA



The RS-1B

The tradeoffs are most obvious in the RS-1B. First, prolonged listening makes it

clearer and clearer that the treble and midrange panel outperform the woofer column. Infinity has steadily improved the match between midrange and woofer, but the woofer is distinctly less dynamic, less extended, and more distorted than the rest of the system. The woofer also seems distinctly "slower" than the midrange, particularly when dealing with brief bass transients rather than sustained organ notes.

There are several practical ways to minie this problem. One is to realize that the treble and middrage panel is an extremely difficult load. I do not fully trust my measuring equipment, but its clear that the treble and middrage panels day to 2 ohms, and can suck up incredible amounts of current. This has bed me to revise my current. The has bed me to revise my camps. They do work superbly with the Conrado Johnson Premier Foror or Fives, and very well with the Audio Research D350-11.

D250-II for the application). The panels do not, however, work well with low-powered tabe amps, and even when the panels of the

Most transistor amplifiers have the same effect. For some reason, amplifiers as good as the Krells and Mark Levinsons do not perform well with the RS-1Bs. However, the Electrocompaniet Ampliwire 100, PS Audio 200C, and even the Adcom 555 provide a balanced timbre and smooth transition from panel to woofer. The Electrocompaniet and PS Audio outperform the Premier Four Premier Fives and D250-II in the upper bass region, and possibly in the top octave as well, although the tube gear gives superior handling of midrange transients and dynamics, and provides more low-level harmonic information. (The PS Audio furnishes more detail and

focus than the Electrocompaniet.)
You also should carefully consider mat-

ching your panel and woofer amplifiers with the RS-1B. Manufacturers are curiously unwilling to send two stereo or four topof the line mono tube amplifiers 2 but tests with a pair of Adcoms and PS Audio 200Cs showed that the panel-woofer blend was smoother and more convincing in timbre with matching amplifiers than with any combination of top quality tube amplifiers on the panels and transistors on the bottom. Granted this is a tradeoff, since the tube amp may well provide a sweeter and more transparent sound: the Adcom 555 definitely lacks the focus and detail of amplifiers costing four to ten times as much

Even with the right amps, you'll find that the Infinity 88-7 lib needs an "infinite" amount of fiddling, Fortunately, the the Infinity 88-7 lib needs an "infinite" amount of fiddling, Fortunately, the state of the Infinite find the Infinite find

You'll need to spend a great deal of time spacing and angling the panels to get the ideal mix of depth, width, and imaging detail. I have never heard the panels image properly in any real-world listening rooms without a slight tot-in; this has been true of every other dipole design I've tried, with the possible execution of the Acousta'

1+1s.
At the end of it all you'll still "hear the mechanism creak." The RS-1Bs have good, deep bass, but hardly every good deep bass. The larger VMPS cone speakers (which are much cheaper) provide far superior bass power, control, and transients. So do the

2. Not all masufacturen, Audio Bescarch recently showed up in Santa Fe with two D29-018, and an SP-11. A mere \$17.000 worth of tube electronics. We were impressed, and using marching amplifies top and bottom did make a positive improvement (we hadri had the opportunity to it before).

Entec subwoofers. No matter what you do, the RS-IBs bass will either be a bit slow and unconvincing, or will have to be set slightly lower than the panel to allow the lower midrange/upper bass output of the midrange EMIMs to dominate the sound. The RS-IBS bass columns simply do not

seem capable of proving both deep bass and good bass articulation or transients in any installation I've heard. This evidently requires bigger enclosures, new drivers, or something more dramatic than crossover changes. I am tempted to suggest that Infinity should put its EMIT or EMIM drivers on a VMPS tower, or get Entec to design their next subwoofer, but as this would just get everyone angry. I'll not even hint at such a thing, much less mention it in print Keep in mind that virtually all the competition has worse problems in trying to provide fully integrated deep bass. I don't know of anyone who provides a better set of compromises in blending deep bass and midrange in a full-range system near the price of the RS-1Bs than Infinity. The unfortunate truth is that almost all designs which attempt to go much below 40 Hz are partial failures, and breaking the 30 Hz barrier always seems to result in bass boom lack of clear frequency discrimination in the low bass, poor transition from bass to

midrange, room interaction problems, etc. I have only heard a handful of systems in my life that really balanced good, deep bass with the rest of the frequency spectrum to sound musically natural. All were extremtly expensive, and most had extensive custom engineering. All required very large listening rooms, and all still have at least minor room resonance or standing wave minor room resonance or standing wave

problems.

This has broad implications for any speaker buyer. If you live in a normal home or apartment, you may well find that no system with deep bass will ever fully meet your needs. As a result, you may wish to set the R-S-IB crossover so that it does not play set. The conserver so that it does not play set. The conserver so that it does not play set. The conserver so that it does not play set. The conserver so that it does not play set. The conserver so that it does not play set. The conserver so that it does not play set the conserver so that it does not play set the conserver so that it does not play set that it does not play s

of the virtues of the RS-1Bs, produce a better overall bass signal, and provide better overall timbre and dynamic integration in most listening rooms. They also are far less amolifier-sensitive than the 1Bs.

There are three further design problems in the IS-IBs that I feel need correction. The first problem is twofold: the prants are cop-heavy, and the feet do movok on padded carpets. Put Tiptoes under both panels and woofer columns; those on the panels and woofer columns; those on the panels need to be of different heights, to tip the panels upwards. You also may want to put several bricks on the rear, to weigh the careful downs.

panels down.
The second problem is more serious, and
involves the wooder. The wooder column
involves the wooder. The wooder column
the panels for the ore on adjust behind
the panels for the column
caps on the wooders, however, vibrate, accaps on the wooders, however, vibrate, acing as a midrange offere. You can try tubber
cementing a softer, 2-inch dust cap over
them, but this—and other, more drastic
mods—simply should not be necessary. It
happening; infinity should long ago have
fixed this problem at the factory.

The third problem is quality control, infinity still never seems to produce an entire RS-1B with all the jacks and sockets properly injurenced. We seem a number of perly injurenced if we seem a number of the perly injurenced in the perly injurenced have had properly assembled crossovers. The first did not complete the wiring to have had properly assembled crossovers. The first did not complete the wiring to an internitive about across the left chainnel. I would also dearly love to see the crossover wired with Tiffany jacksi: this would sharply reduce the risk of connectations of the person of the person of the would sharply reduce the risk of connectations are also the person of the person of the country feedback into a near-mellowom of

your amp.

I also recommend that you replace the standard Monster Cable wiring with the Straight Wire harness for this speaker, and bypass the highpass section of the crossover. The Straight Wire is notably more transparent in the upper midrange than the Monster Cable, and the crossover wiring is too complex, and affects the nutrit of the

highpass signal

Consult your dealer for deaths, but you can bypass the highpass section of the crossover simply by insertings top quality regarder of the right value across the your amplifier's input jack. The best capaciton of the right value across the your amplifier's input jack. The best capaciton in the right value across the your clother, but you can try Wonders, Relcaps, etc. The expaction in the Infinity consoure first all that bad, but it can be improved upon. You also need another interconnect. etc. if you use the highpass section, and straight in writing seems to help The EMTS of the property of the prop

The Infinity IRS-III

This analysis of the RS-18 helps set the Rs day for a critique of the IRS-III. The Rs as far larger and more satisfactory base has a far larger and more satisfactory base has a far larger EMTE outpet of the IRS-III. The Rs as far larger EMTE outpet of the Rs as a larger EMTE outpet of the Rs as a larger EMTE outpet of the Rs as a larger EMTE outpet of the Rs columns are rated at 1900 wates, and possibly the VMPS supernove at least rivid it. The servo-amplifiers in the IRS columns are rated at 1900 wates, and possibly the VMPS supernove that allows them to perform their best. It has never heard on an enclosure that allows them to perform their best. It have never heard only thing better the larger than the IRS base collection of the IRS base collection.

The IRS-III's major limitation is the inability to handle the initial bass attack or single massive transient. The bass columns simply do not seem quite fast enough. They're very good, but not excellent.

The IBs-Ills do, however, succeed in Bending the base an indiange trieble better than the RS-IBs. Further, Infinity has scaldly improved the IBs-Ills' combination of DMTh, EMIMs, and crossover. I make still further improvements and bypassing the highpass section of the IBs-Cossover can definitely make such improvements. Nevertheless, I have never heard any speaker more "right" and musically natural in timber, transparency, which are more than the committee of the committee of the committee of the committee. When the committee of the committee o

Other speakers do all of these things well, but the IRS always does them as well with the IRS always does them as well with the same conthination of dynamins, detail, soundstage, and total integration. No risk on as yet is so right in timbre. Cone systems, no matter how they measure, more than the same speed and detail. The IRS has a balance of virtues that is simply the state of the art, and which endures after the theory of the things of the results of the state of the art, and which endures have the state of the art, and which endures have the state of the art, and which endures the things of their limitation of their limitation of their limitation.

I have to caveat these comments, however, with the fact I have never listened to the Wilson Audio Monitors (WAMMs) on a side-by-side basis with the IRS-IIIs, and have to rely on a few listening room sessions and show demonstrations of the Wilson, Nevertheless, I have always come away with the impression that the Wilsons never integrate the midrange and highs quite as well as the IRS, just as the Infinity IRS never equals the WAMMs' integration of midrange and bass. This leads me to prefer the IRS over any competing speaker system I've heard, since I regard treble and midrange integration as the more important parameter, and have never heard any system to rival the IRS-IIIs or the Wilson Audio Monitor that was not a blend of separate manufacturers or a one-of-a-kind design (And then, damn few!)

Some aspects of the IRS do present problems, however, First, I prefer the soundstage from modified point source in the RS-IB to that from the quast-line source in the IRS. I suspect that this is because I prefer small groups and chamber orchestrate to opera and full orchestral music, and I immediately concede that the line source in the IRS provides a more natural sound field for large-scale music.

Nevertheless, I can never fully believe that I'm in a concert hall with the IRS-III; its sound field seems to come at the expense of a slight loss of focus and definition. In contrast, I feel small musical groups, soloists, etc., can sound quite real with the RS-IBs, and indeed, with other top-ranking quasi-point source speakers.

Second, I've only heard four IRS setups, but the listening area has always seemed relatively restricted for such a large speaker system. The aural focus always seems best in a two-person listening area. This is probably true of most top-quality speakers, but the focus of the IRS is more delicate than most, and can approach the point where you do not want to move your head once you be found the ragin position. This is no.

Apagese, Quads, Thiels, Vandersteers, etc. Finally, the IRS is adflicult toad, at least to the extent that it requires very caired to the less performance. Again, this is true of all top-naking speakers, but it means that less than the l

Otherwise, the IRS-III is too unique and

too complex a load for amplifier and cable graduation, evaluation, even if one could gnore the fact that it has its own built-in bass amplifiers. This will only be a limitation for reviewers and dealers, but it is not insignifier cant. I would never buy any amplifier or speaker cable solely on the basis of auditioning with either the St. 18 or IRS unless solely on the case of the case of

To Be Continued

It takes no great vision no assume that Infinity recognizes these problems and will continue to make at least evolutionary ininfinity recognizes the problems of the continuary recognizes and the contraction of the contraction of the conlocation of the contraction of the conlocation of the contraction of the co