OWNER'S MANUAL

NOTICE D'EMPLOI • BETRIEBSANLEITUNG

Renaissance 90

Renaissance 80

Infinity®

Dear Audio Enthusiast:

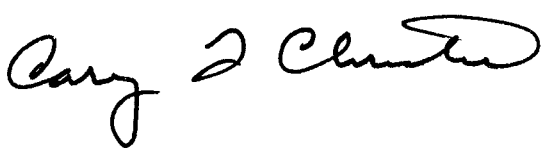
I'd like to offer my sincere thanks and congratulations on your decision to purchase what we consider to be among the most sonically accurate, most musically satisfying loudspeakers we have ever designed...*The Infinity Renaissance Series.*

When we made the decision to design Renaissance, it was our intention to develop breakthrough engineering and design concepts and set new standards of sonic performance. Our Renaissance Series marks the culmination of years of intensive product research and development in the pursuit of audio excellence. We believe that we have succeeded in accomplishing our original goals.

Remember the thrill you experienced the first time you listened to a symphony orchestra or a great performance on a high quality music system? I believe those very same emotions will be rekindled each time you listen to music on your Infinity Renaissance loudspeakers. That's why we're in business and are proud our motto is...

"We Get You Back To What It's All About. Music."

Sincerely,



Cary I. Christie
President

P.S. To obtain optimum performance and gain a valuable understanding of our new technology, I recommend that you read the Owner's Manual before you unpack your Renaissance speakers. Happy listening!

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INTRODUCTION

The introduction of the Infinity Renaissance Series marks years of intensive research by the Company, culminating in a total rethinking of our technology. Infinity Renaissance is the result of numerous studies in which interest was expressed by buyers of high end audio for speakers that reproduce the "total listening experience" yet forgo the massive dimensions and high cost that have been the hallmark of such speakers in the past.

In developing Renaissance, nothing was taken for granted, and no technology—no matter how fond our engineers were of their past achievements—was considered sacred. After years of reengineering, retesting, and rethinking, Infinity would settle for nothing less than a complete rebirth of the high end speaker.

The Infinity Renaissance Series is comprised of two models, the Renaissance 80 and the Renaissance 90. Their introduction also marks the debut of a number of innovative components that are designed to provide the most accurate sound reproduction possible and to convey faithfully the true power and vitality of the original performance. The Renaissance 80 utilizes a newly-designed 8-inch IMG™ Infinity/Watkins dual voice coil woofer in concert with an all-new planar High Energy EMIM™ midrange driver and planar High Energy EMIT™ tweeter. The Renaissance 90 employs a 10-in. Infinity/Watkins Woofer™; a 6-in. IMG™ midbass coupler (for increased bass presence in the extremely critical 150-800 Hz range), a High Energy EMIM™ mid-range and a High Energy EMIT™ tweeter.

The new Infinity/Watkins dual voice coil woofer system features a proprietary injection molded graphite (IMG™) cone for bass energy that is delivered to the lowest octaves of music with astonishing power and accuracy. Yet this is accomplished in a cabinet size that carries a much smaller footprint than speakers traditionally associated with such impressive bass performance.

Infinity has long advocated the superiority of planar drivers for midrange and high frequencies (having more experience with this design than perhaps any other loudspeaker manufacturer in the world), and over three years went into reassessing their performance, working with new materials, and testing alternatives. The new High Energy EMIM™ midrange and High Energy EMIT™ tweeter combine to deliver ultra-wide frequency response, lightening speed and phenomenally low distortion.

The front baffle is carefully placed on the same plane as the midrange and high frequency driver, resulting in a smooth transition between the drivers and the baffle. Mid and high frequency diffraction have been virtually eliminated by a unique sculpted grille that is essential to the speaker's overall performance and design.

The unique, aesthetically pleasing Renaissance enclosure is as rewarding to the eye as the speaker is to the ear. It, too, is the product of exhaustive research and testing. The Renaissance enclosure is elegantly styled to complement virtually any decor, yet exactingly engineered to ensure that energy radiating into the listening area is extremely clear and transparent and free of the effects of cabinet diffraction. Infinity's engineers went to great lengths to ensure that Renaissance enclosures are extremely rigid and structurally inert to reduce parasitic resonances and vibration. The corners of the enclosures are rounded and taper to the rear, allowing higher frequencies to travel to where they can be dissipated quickly without smearing the sound. Localization of soloists and instruments remain clearly defined and sound staging capability is exceptional for a system of this size and price.

Infinity Renaissance speakers are mounted on three spikes which provide a stable platform and decouple the speaker from the floor for a cleaner, more transparent sound. To produce a coherent sound stage, the rear spike is adjustable, allowing the enclosure to be tilted to more accurately focus the sound into the listening area and to produce a more coherent sonic wave front.

The precision crossover networks in the Renaissance Series are set with pinpoint computer accuracy using specially selected components which maximize efficiency, eliminate phase shift and frequency response variations, and lower distortion. The input terminals are heavy duty binding posts of brass with gold plating for optimum contact. This keeps distortion at an absolute minimum.

The dramatic result of this leading edge technology is the reproduction of recorded music that is closer to the sound of the original performance than ever before. As you listen to your new Infinity Renaissance speakers, you will undoubtedly spend many hours rediscovering your favorite CD's and records. That's what Infinity is all about—music and our demanding love of it.

As with any quality audio component, your Infinity speakers must be properly installed to permit them to perform to their full potential. We urge you to read this instruction manual carefully before connecting the speakers to your system. A few moments taken now may save considerable time and effort later.

UNPACKING

Carefully remove the speakers from their cartons. Since Infinity Renaissance speakers are quite heavy, it is suggested you have someone assist you with the unpacking. Use extreme caution when handling Renaissance speakers. The spikes located beneath the enclosure are covered with plastic caps to prevent injury, however, these spikes are very sharp and when the protective caps are removed for floor placement of the speaker, the spikes can cause injury. **Keep your hands and feet away from the spikes when the speakers are handled.**

It is advisable not to remove the caps which cover the spikes until the speaker is placed on the floor. To remove the caps, carefully tilt the speaker and remove the plastic caps by pulling on the tabs holding them in place. Keep the caps in a safe place for future use should you wish to relocate or repack the speaker.

After unpacking, check both speakers carefully for signs of damage incurred during transit. If a speaker is damaged, contact your dealer or the trucking firm that handlled the delivery. Do not delay—the longer you wait to inform your dealer or the carrier of a problem, the more difflcult it will be to file a claim. If possible, fold the cartons and store them for future use.

ASSOCIATED COMPONENTS

Your Infinity Renaissance speakers are extraordinary, highly musical systems. Like all loudspeakers, they will reproduce distortion as well as music. For this reason, the choice of associated audio components is critical and should be made with care. If you are replacing existing speakers with an Infinity Renaissance System, there should be an audible improvement in sonic quality, assuming your other components are at least on a par with Renaissance in terms of low distortion, phase linearity, frequency response, and so on.

If no improvement is heard or if the sound deteriorates, it is possible that one (or more) of your existing components is of a lower standard than your new Infinity speakers. When a speaker system is exceptionally revealing, musical colorations and other forms of distortion become more noticeable because these aberrations are no longer masked by the speakers.

Here are some suggestions which will prove useful in obtaining a well-balanced audio system:

- Employ an amplifier with as much power (current capability into an impedance of 4 ohms) as possible. Since quality speakers work best when driven by high current, the choice of an amplifier with a strong, adequate power supply generally results in cleaner, better defined bass response. And, while low distortion, excellent phase characteristics and low noise are all extremely important performance parameters, sufficient power into a low impedance load (4 ohms or lower) on a continuous basis is equally important.
- Another consideration is that a lower power amplifier operating at its maximum power output can damage a speaker more quickly than a high power amplifier playing at loud sound levels. This occurs because many amplifiers "clip" their output very "hard" when overdriven, creating high frequency distortion which can cause the voice coil of a tweeter to heat and eventually fail.Therefore, always opt for an amplifier with high power. Your authorized Infinity dealer can best answer your questions and make recommendations.
- Renaissance speakers are extremely revealing and will quickly identify sonic anomalies within the listening system. Poor quality speaker cables on component interconnects can add harshness, detract from spaciousness and reduce airiness around instruments. At times, it may be advisable to connect your CD player directly to the power amplifier, providing the CD player has a level control.

Eliminating the preamplifier from the loop often results in superior performance since this reduces the number of stages through which the signal has to travel. Connecting cables should be of the highest quality. When the CD player is connected directly to the power amplifier, place it close to the power amplifier to keep the connecting cables as short as possible.

CONNECTION USING A STEREO AMPLIFIER

Always keep the power of your entire system "off" before making connections to your speakers.

Connect each speaker to your amplier's output terminals using the heaviest gauge wire you can obtain. The choice of speaker connecting wire is extremely important, especially when using speakers as sonically revealing as Infinity Renaissance. If inferior wire is used, sonic quality will suffer and the degradation of sound will be readily audible. For best results, do not use wire that is thinner than 16 gauge. **NOTE: The lower the gauge number (16, 14, 12, etc.), the heavier the wire.** Although gauge alone does not reveal the ultimate sonic quality of wire, it represents a good starting point especially if you are not using a name brand speaker connecting cable. Consult your dealer if you are not certain which type of wire will make your Infinity speakers sound best.

When using regular lamp cord, look for ridges or different colored insulation to differentiate polarity. If there is a ridge on the outer insulation, use the ridge for positive (+) and the wire without the ridge for negative (-). If the insulation wrapped around one wire is red, use it for positive. Use white (or whatever the other color may be) for negative. See figure 1.

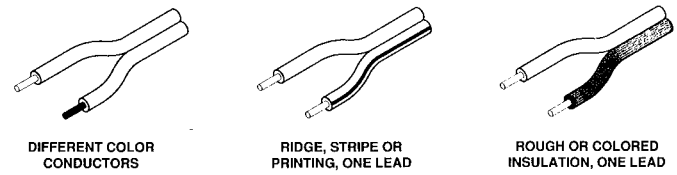

Figure 1: Some Examples Of Polarity Coding On Speaker Cables

It is important to connect your speakers in-phase (which means that all individual drivers are moving in and out in the same direction and at the same time) in order to obtain the best localization of instruments and voice as well as the deepest, most natural bass. If speakers are out of phase, the drivers in one channel will move in while the other channel will move out. This condition invariably results in sonic problems and must be avoided.

The gold-plated speaker terminal locking nuts which clamp the shorting straps and speaker wire must be **absolutely tight.** This will prevent distortion which can be caused by poor contact between the cable and shorting straps at the speaker terminals. See figure 2.

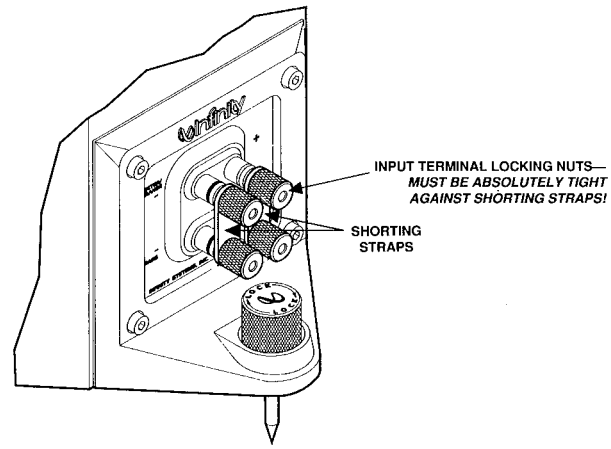

Figure 2: Renaissance Series Speaker Input Terminals

Using one length of speaker wire, connect the right speaker to your amplifier's right channel output terminals. Be careful to observe polarity. Connect the positive speaker terminal to the positive amplifier terminal and the negative speaker terminal to the negative amplifier terminal. Connect the left speaker in the same manner. See figure 3.

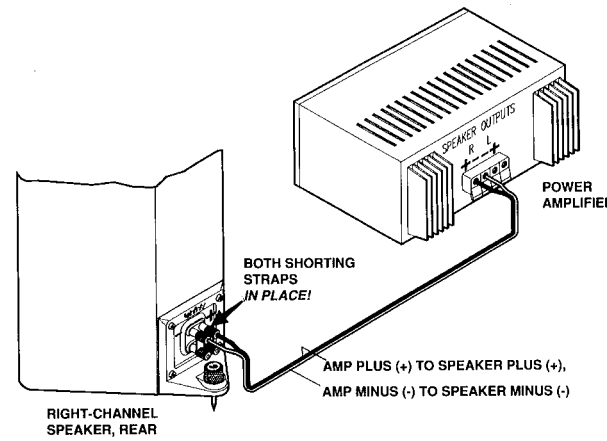

Figure 3: Proper Speaker Connections

Check all connections carefully before turning your system on. Check for frayed or stray strands of wire touching both the positive and negative terminals of your amplifier or speaker. Even one stray strand can cause problems which could result in distortion that would be difficult to trace.

CONNECTION FOR BI-AMP OPERATION

Infinity Renaissance speakers permit the use of two amplifiers in a bi-amp configuration. One amplifier feeds the woofer (the signal passes through the speaker's crossover to feed the woofer) and the other amplifier drives the remainder of the speaker system. This generally will result in the purest, most "open" sound obtainable from the speakers.

To connect your speakers to two amplifiers, merely remove the two gold-plated straps (which are used to tie the bass and treble/midrange sections of the crossover network together for use with one amplifier) and connect one amplifier to the BASS terminals and the other amplifier to the TWEETER/MIDRANGE terminals. Observe polarity, as outlined in the previous section. See figure 4. DO NOT ATTEMPT TO USE TWO SEPARATE AMPLIFIERS WITHOUT FIRST REMOVING THE SHORTING STRAPS ON THE REAR OF THE SPEAKERS. DO NOT REMOVE THE STRAPS WHEN CONNECTING ONLY ONE AMPLIFIER TO THE SPEAKERS (except when Bi-Wiring. See next section).

If the amplifiers are not equal in power, always use the amplifier with the higher power (or greater current capability) to drive the woofer.

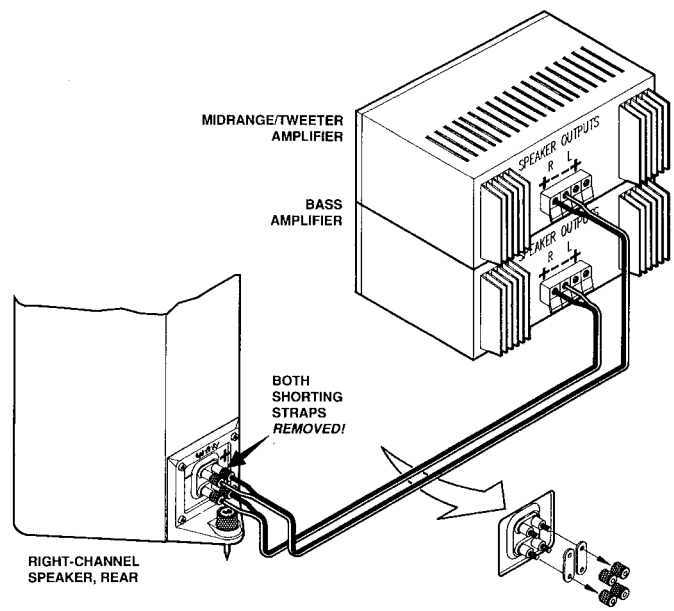

Figure 4: Connecting the Speakers For Bi-Amp Operation

When using two different amplifiers, it is recommended that at least one of the amplifiers employs a level control. This will permit you to set the level of one of the amplifiers to balance the other, resulting in equal output feeding the bass and midrange/tweeter sections.

BI-WIRING

Many audiophiles recommend using two connecting wires instead of one because the two wires share current through a greater conducting area.

When using a single stereo amplifier, remove the shorting straps from the speakers (which separates the bass and midrange/tweeter sections of the crossover). Two speaker wires are tied to each amplifier output (in parallel). The other ends of the wires are connected to the bass and midrange/tweeter connections on the rear of the speaker. Refer to figure 5.

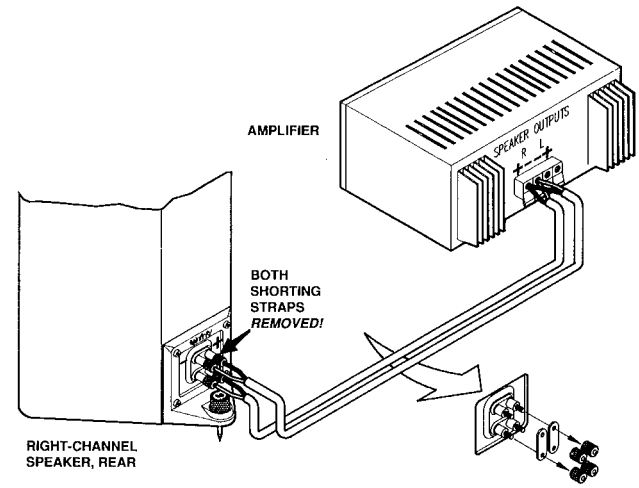

Figure 5: Connecting the Speakers For Bi-Wire Operation

You may wish to try this arrangement to determine if it will yield better results.

SETTING THE AUDIO SYSTEM CONTROLS

Never operate your audio system with the equalizer, tone, and loudness controls set to maximum boost. This will place undue strain on the amplifier and could also result in damage to the speakers.

The position of the volume control setting is of little consequence in judging the amount of power a system is generating. Loudness is a function of audio gain, which in itself is unimportant to the user. The only important consideration is the loudness level at which the system can be played, regardless of where the volume control is set.

Always turn down the volume of your system completely when changing a record or switching inputs from phono to FM, etc. Excessively loud transients, which can result from a dropped stylus on a record or from improperly designed switches, can result in severe damage to your speakers.

Furthermore, whenever changing wires, pulling plugs, etc., **always** turn off all the equipment to prevent transients from entering the speakers. Use caution, and your speakers will repay you with many years of trouble-free service.

POSITIONING YOUR SPEAKERS

Locating your Renaissance speakers in their proper position within your listening room is of primary importance if you wish to obtain the best possible performance from your audio system. Depending on room size and acoustics, moving the speakers as little as an inch (2.5 cm) forward, rearward, or sideways can result in noticeable sonic differences. We urge you therefore to experiment with placement until your speakers deliver their full musical potential.

As a useful starting point for best stereo imaging, place your speakers at least seven feet (2 meters) apart. Try to locate the speakers as far away as possible from walls and corners of the

room to reduce reflections which generally result in sonic anomalies. Our experience has shown that speaker placement of less than 3 feet (about 1 meter) from a wall or corner can create hardness, smearing of the sound, and at times other forms of sonic distortion which reduce clarity and change the harmonic structure of music. Often as not, these sonic anomalies are blamed on the speakers but are really due to poor room placement. We cannot stress too strongly the importance of room placement and the role it plays in achieving excellent musical balance. See figure 6.

When the speakers are moved inward (toward each other) this generally achieves better focus of instruments and vocalists; however, moving the speakers too close together can reduce the front-to-rear stage effect and you may need to experiment with the trade-off between focus and imaging. When the speakers are moved closer together to obtain greater focus, it may be beneficial to tilt them slightly rearward to open up the sound stage. Tipping the speakers rearward will also soften midrange and higher frequencies. This subject is discussed in detail in the section of this manual entitled "Adjustment Of The Rear Spiked Foot."

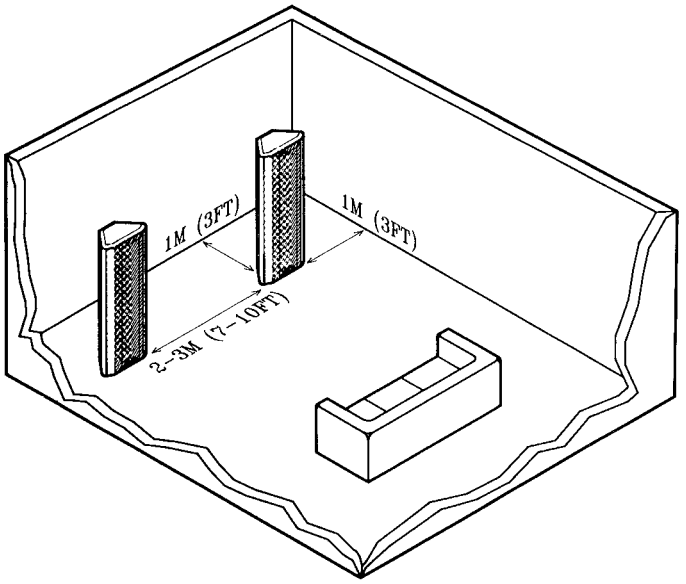

Figure 6: Suggested Starting Placements for Renaissance Speakers

If your listening room is larger than average and your listening position is relatively far from the speakers, wider placement of the speakers may be required (approximately 10 feet or 3 meters apart). Try angling the speakers inward for better projection of midrange and high frequencies; however, do not angle the speakers too sharply because this may reduce stereo imaging as well as front-to-rear depth. The exact angle of toe-in must be determined by careful experimentation. There is no formula to follow because rooms differ in acoustics and the listener's position may vary considerably (see figure 7). The toe-in angle for each speaker must be exactly the same for best sonic results. This can be done effectively by eye or by using a tape measure or straight edge to measure the amount of toe-in from a forward firing position.

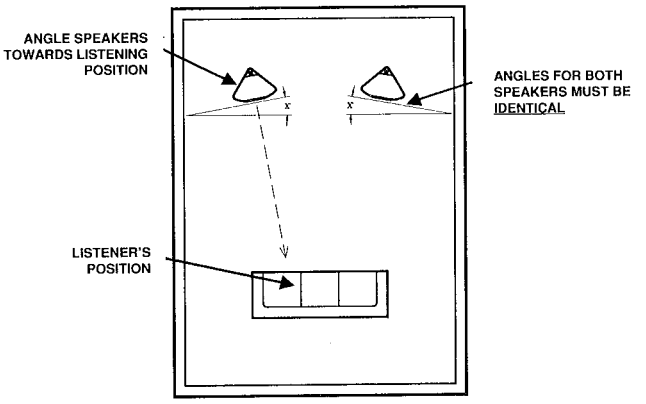

Figure 7: Angling Renaissance Speakers

When installing your speakers, be very careful to keep them on the same plane (exactly the same distance from the front wall). It is advisable to use a tape measure or a string to measure the exact distance the speakers are located from the front wall. Also keep the fronts of the speakers aligned so they face in exactly the same direction. See figure 8.

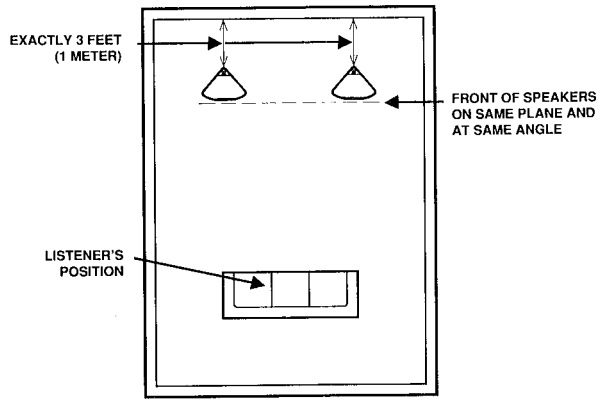

Figure 8: Aligning The Fronts of Renaissance Speakers

Room corners are difficult to cope with and you should try to keep the location of the speakers as far away from corners as possible. Corners add low frequency reenforcement and can create severe problems in the bass range, often making bass too heavy and inarticulate. If a situation arises where the bass response is too light, you may wish to move the speakers closer into the corners for low frequency reenforcement, but as a rule of thumb, always try to keep the speakers as far away from corners as possible.

It is often difficult to balance bass response because it is within this particular frequency spectrum where the room becomes a major influence. The listening room can affect all frequencies from the lowest bass throughout the middle bass range. At times, moving the speakers (or the listening position) forward or rearward by merely a few inches (cm) can make a substantial change in the quantity and quality of bass response. The best procedure is to experiment with speaker placement over the course of several days making changes in location and noting them for future reference. Use various types of program material (music, voice, solo instruments) and evaluate each segment of the audio spectrum (bass, middle bass, midrange and highs) before choosing the final location for your speakers. Changing the response of one portion of the audio spectrum can

often influence how the other portions of the spectrum will sound; therefore, as you make changes, carefully keep a record to indicate if *overall* sonic balance is smooth.

If you require additional advice on room acoustics and placement, refer to the section in this manual on "Room Acoustics, Speaker Positioning And Tonal Balance."

Renaissance speakers have been designed to deliver optimum performance with their grilles in place. Under no circumstances should the grilles be removed prior to listening because this will create sonic anomalies. Should you wish to play your speakers without their grilles, it will be necessary to order front grilles (without grille cloth). Consult your Infinity dealer for pricing and availability

ADJUSTMENT OF THE REAR SPIKED FOOT

Renaissance speakers sound best when the angle of the front of the speakers in relationship to the floor are exactly alike. To ensure that both speakers are positioned exactly the same, view the speakers from the side to make certain both speaker systems are at the same angle. See figure 9.

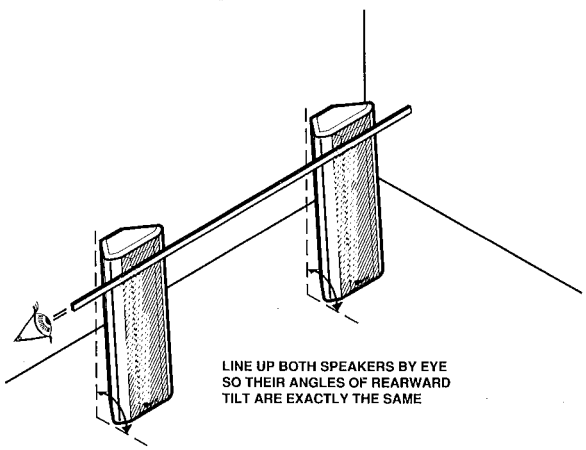

Figure 9: Ensuring Identical Angles For Both Renaissance Speakers

If your preference is for lots of "punch" and a sound stage that is forward, adjust the rear spikes to bring the speakers into a perpendicular position. If your preference is for a less forward sound (a bit laid back and softer), tilt the speakers back by adjusting the rear spikes. Once again, make sure the angle of both speakers is exactly the same.

To adjust the rear spike up or down, first loosen the large black knob to permit turning the spike in its socket. Next, grasping the spike from below the diecast back plate (watch your fingers), turn the spike by hand either clockwise to move it downward, or counterclockwise to move it upward. If the spike is too difficult to turn by hand, remove the black knob and turn the spike with the supplied Allen wrench. See figure 10.

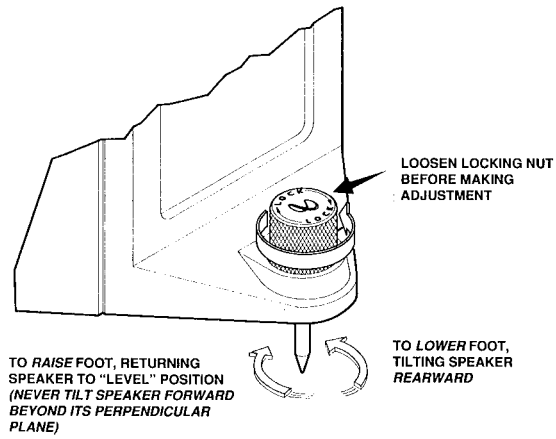

Figure 10: Adjustment Of The Renaissance Speaker's Rear Spiked Foot

Plastic caps have been supplied to cover the tips of the spikes. This can prove useful, especially when installing your speakers on an expensive floor. The silicone adhesive (also supplied) will fasten the plastic caps to the spikes. Apply a small amount of silicone into each plastic tip, then mount the plastic tips onto the three spikes. Allow at least 20 minutes for the silicone to set.

Do not tilt the speakers forward. This is a dangerous practice because they may tip over and cause injury. Be sure the speakers are firmly planted and do not rock. Press down on the top of each speaker so the spikes push through the rug and padding and touch the floor. If the spikes do not touch the floor, the result may be less than articulate bass.

Please exercise caution when relocating the speakers or adjusting the spikes. Again, the three spikes on the base of each speaker are sharp and can cause injury if caution is not exercised.

HIGH ENERGY EMIT™ PROTECTION CIRCUIT

Renaissance models include electronic protection in the crossover network to protect the High Energy EMIT™ from excessive power and high frequency distortion which can be created when an amplifier goes into clipping. If the tweeter turns off while playing music, turn off your entire audio system to allow the tweeter's protection electronics to cool off. The electronic protection circuit will reset itself automatically once it reaches normal operating temperature.

If the tweeter protection circuit continuously turns off, your amplifier may not have adequate power to drive your Renaissance speakers and the amplifier could be going into severe clipping. This form of overload generates high frequency distortion which can be damaging if the energy is allowed to reach the tweeter.

Consult your dealer, or contact Infinity if you are experiencing this type of difficulty.

REMOVING THE FRONT GRILLE

Should you wish to remove the front grille assembly from the speaker, do so with caution. You can remove the grille by first pulling it away from the lower portion of the cabinet (very slowly and gently). When the grille moves away from the area

around the woofer, insert your fingers on the sides in this immediate area and pull out gently. Be especially careful in the woofer area when pulling the grille away from the enclosure.

If you have removed the grille for any reason and wish to reinstall it, locate the mounting holes on the front baffle and slowly press the grille into place. The grille features a self-aligning, semi-sticky vinyl flap which covers the space between the baffle board and planar drives. Locate the vinyl flap and press down on it gently from the front of the grille to make certain the flap is seated properly around each planar driver. It is important that the vinyl flap is flush with each planar driver and covers the gap between the driver and baffle. This will ensure linear frequency response and eliminate sonic aberrations which could be caused by the gap between the baffle board and the planar drivers.

ROOM ACOUSTICS, SPEAKER POSITIONING, AND TONAL BALANCE

If you desire a more detailed description of room acoustics and speaker placement, the following information may prove helpful.

- Large areas of glass, mirrors, and wood paneling will reflect sound waves and often result in brittleness and excessive brightness. You can break the sound waves created by hard surfaces with softer surfaces. Draperies or wall hangings do a good job in absorbing standing waves created by hard surfaces. Placing a soft, absorptive piece of furniture near the hard surface often helps reduce unwanted spurious sound waves. Be careful not to absorb too much sound as this will interfere with sonic balance, causing overall sound to be dull and lifeless.
- A good listening room has just the right amount of reflection and absorption. To test the sonic balance of your room, stand in the location where the speakers will be installed and clap your hands two or three times. If the room is reverberant, you will hear a sharpness or echo. If the room is dull, the sound of the clap will decay rapidly and there will be very little or no echo. In fact, it will seem that the higher frequencies generated by the clap will be missing.
- Furniture, pictures, bookcases, tables, and lamps will help reduce reflections because they are located at random points in the room and this tends to cancel standing waves. Carpeting or throw rugs also help reduce floor reflections, although heavy carpeting can absorb a great deal of the higher frequencies which will make the room seem "bass heavy."
- It is customary to place the speakers facing into the long dimension of the listening room; however, this doesn't always result in the best sound. At times, placing the speakers facing into the short dimension of the room will yield better results due to the acoustic properties of the room and the listener's position. Experiment with room placement. You may be pleasantly surprised at the results.
- Maintaining absolute phase is an essential factor in the proper performance of your speakers. If all amplifiers (as well as the other components in the alldio chain) were non-inverting [if their outputs were always in-phase with their inputs], maintaining absolute phase would simply involve observation of the polarities of the speaker connecting wires. However, since there are amplifiers (as well as preamplifiers and CD players) which invert the output from the input (see figure 11), some changes in speaker hookup may be required in order to restore the system to absolute phase.

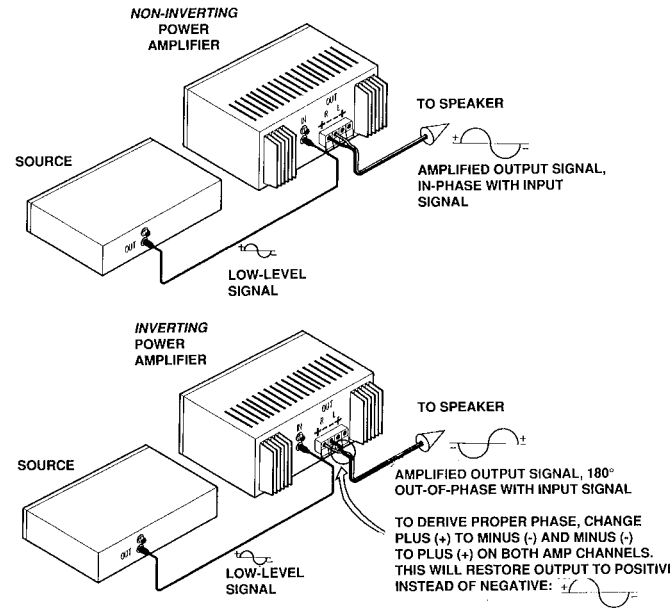

Figure 11: Inverting And Non-Inverting Amplifiers

If your amplifier, preamplifier, and CD instruction manuals do not state if these audio components are inverting, assume they are non-inverting since 98% of all audio components do not invert the audio signal at the output. If you wish to determine whether or not your components are inverting, contact your dealer, or write to the manufacturer. If you are certain that your amplifier is an inverting type, it will be necessary to disconnect your speakers and reverse polarity (on both speakers) so that positive becomes negative and negative becomes positive. See figure 12.

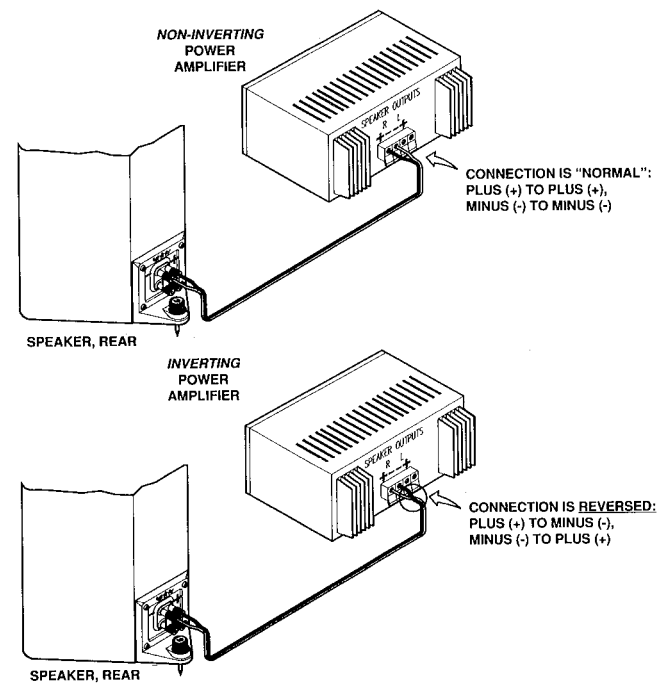

Figure 12: Connecting Inverting And Non-Inverting Amplifiers

If you are using two separate amplifiers in a bi-amp mode (that are inverting types) to drive your new Renaissance system, the aforementioned modification must be made to the wires connecting both amplifiers to the speakers.

If the only inverting component in your system is the preamplifier or CD player, all of the speaker leads (when using a single amplifier or two separate ones) must be reversed at either the amplifier outputs or speaker inputs. **Caution:** Be sure not to reverse the left and right channels. Left and right must always be retained as "left" and "right" to ensure proper stereo integrity.

ACOUSTIC FEEDBACK

If after connecting your system you find the bass response to be boomy (or lacking in tightness and solidity) or if the bass driver cones produce excessive movement, the cause can usually be attributed to acoustic feedback—vibrations from the speakers reaching a turntable and tone arm, creating a resonance. In turn, this vibration is fed back to the electronics and speakers. Since Infinity Renaissance speakers extend to very low frequencies, isolating the turntable from vibrations becomes a critical procedure.

The turntable should be placed on a heavy, solid support located as far from the speakers as possible. At times, using a shock mounted base helps reduce vibration pickup. If after trying various methods to reduce acoustic feedback the phenomenon still exists, contact your dealer for assistance.

CD players are also susceptible to acoustic feedback and should be mounted on solid supports to isolate them acoustically. Another method to isolate the CD player is to mount it on four rubber or plastic legs which have a predetermined amount of elasticity.

CARE OF YOUR SPEAKERS

Use a soft cloth and a fine furniture oil to clean the wood finish. If you use a spray cleaner/polish, be careful not to spray the polish on the grille cloth. The grille may be vacuumed occasionally, but always set the vacuum cleaner on low suction to avoid tearing the cloth.

With Renaissance speakers in the high polish black lacquer finish, it is suggested that the enclosure be polished with Poly-Buf Extra Fine cleaner/polish (or similar). Obviously, a super glossy finish of this kind requires the highest quality polish obtainable so that finger marks, etc. can be removed without scratching the surface.

IN THE EVENT OF TROUBLE

Note that you can use your amplifier's two channels of information for simple trouble-shooting. If the sound quality is distorted, listen to each speaker separately to check if the fault is present in both. If it is, then the trouble is likely to be elsewhere in your system. If the fault is one channel only, reverse the outputs from your amplifier to the speakers (right-to-left and left-to-right). If the distortion moves to the other channel, the fault is not in the speaker. (This technique may also be used to locate a fault between the signal source and preamp/receiver and/or between preamp and power amp(s)).

If you have been unsuccessful in locating the specific source of trouble (or if you have located it, but have been unable to correct it), **make inquiries in the following order:**

a. Consult the Authorized Infinity Dealer from whom you purchased the system. Infinity Dealers are audio specialists and can be of great assistance.

b. Get the name and address of the Authorized Infinity Service Facility nearest you by writing or calling Infinity at (818) 407-0228. **Please ask for Customer Service.** You may be instructed to take or send the problem part to a service facility for service under the terms of the warranty.

If there is no authorized service facility near you, or in the unlikely event that the service facility cannot solve the problem:

c. Write or phone:
Infinity Systems, Inc.
CUSTOMER SERVICE
9409 Owensmouth Avenue
Chatsworth, California 91311
(818) 407-0228
Describe the difficulty as specifically as possible. The Service Department will then advise you as to the action you should take.