

# GoldenEar™



## Invisa® SPS

Invisa Signature Point Source In-Wall/In-Ceiling Loudspeaker

## Owner's Manual



### **Congratulations!**

Congratulations and thank you for purchasing GoldenEar's™ Invisa® Signature Point Source speakers! You are about to hear the spectacular difference these very special In-Wall / In-Ceiling speakers will make in your music and/or home theater system!

Our engineers' many years of experience in developing loudspeakers has led to these extraordinary products. In order to ensure that you experience maximum performance, please take a moment to fully read this owner's manual and familiarize yourself with the unique installation, assembly and set-up procedures for your Invisa® Signature Point Source speakers-based music and home theater system.

Please visit our website at [www.GoldenEar.com](http://www.GoldenEar.com) for more information on the technology behind your new speaker system. If you have additional questions, contact your Authorized GoldenEar™ Dealer or visit the Q&A page in the Tech Support section of our website.

### **Your New GoldenEar Speakers**

GoldenEar Invisa® Signature Point Source in-ceiling speakers are designed to fit beautifully in a wide variety of applications. Their low-profile grille and nearly invisible design allows for perfect integration in a wide variety of locations within your home. To get the best performance possible and for a product that lasts a lifetime, we strongly recommend that you follow the placement and setup guidelines provided in this manual.

### **Cleaning**

Do not use a strong or abrasive cleaner on your new speakers' grilles. Clean them only with a damp cloth, but do not get them wet.

### **Preventing Speaker Damage**



**USE AN APPROPRIATE AMPLIFIER.** At high volumes a very powerful amplifier can overdrive your speakers and damage them. And if the amplifier is not powerful enough, it can produce distortion that can easily damage your speaker. (Consult your dealer for assistance.)



**DON'T BE FOOLED BY YOUR RECEIVER'S VOLUME CONTROL.** It only adjusts how loud, it is not an indication of power output. If your speakers begin to sound harsh or grating or if you hear other forms of distortion, turn down the volume immediately!



**Avoid use of tone controls and loudness controls as they will demand even more power from an amplifier, lowering the volume at which damage could occur.**

GoldenEar Invisa® Signature Point Source speakers are efficient and can be driven to loud listening levels with moderate amplifier power. They are also able to handle the output of very powerful amplifiers. To prevent damage to your speakers, please read all of the following guidelines before hooking them up.

## Amplifier Distortion — #1 Threat to your New Speakers!

Amplifier distortion is the principal cause of speaker damage. When listening at loud levels your amplifier may run out of clean power. It will then begin to produce speaker-damaging distorted power. This will damage any brand of speaker very quickly! More powerful amplifiers are actually safer — For example: A 40 Watt/channel amplifier will have substantial distortion above 40 Watts. If driven to 50 Watts, this amplifier will deliver speaker-damaging distorted power! But a 100 Watt/channel amplifier will have very low distortion below 100 Watts. Therefore, when the speaker requires 50 Watts, this more powerful amplifier will deliver clean power and speaker damage is less likely to occur. (See your GoldenEar dealer for amplifier recommendations.)

## Volume Setting

Do not be fooled by the Volume setting of your receiver/preamplifier. It only adjusts listening level — it is not a “power-output” dial. The amount of amplifier power actually used at a given Volume setting depends solely on the nature of the source material you are listening to (at a given Volume setting a quiet section of music will use less amplifier power than a loud section). With typical material, the rated output power of many receivers/amplifiers is often reached when the Volume is set to around -10dB, or between the “11” and “1 o'clock” settings with an analog control (with bass/ treble and loudness controls not used — otherwise rated power may be reached at even lower Volume settings). Remember, all amplifiers produce distortion when operated beyond their rated output power. The resulting distortion will damage all speakers! If you listen at loud levels, be careful to listen for the point of audible distortion — if the speakers begin to sound distressed, turn the Volume down or your speakers and/or amplifier(s) will be damaged! This type of damage constitutes abuse and is not covered by the warranty. If louder volumes are desired, consider a more powerful amplifier.

## There is Actually a Limit!

Even with these safer, more powerful amplifiers, there is a point at which you could have more power than the speaker can handle. At that point you will overpower the speaker and damage it. At loud levels do not increase bass/treble controls from zero and ensure that all loudness/contour/bass EQ buttons are off (otherwise rated output power will be reached at even lower volume control settings).

## The Right Amount of Power

A power-range rating is given in the specifications as a guide to indicate the approximate minimum and maximum power input of your GoldenEar Invisa® Signature Point Source speakers. Amplifiers that meet or even exceed the speaker's power-range rating are recommended as their greater power reserves provide better sound. But always use the speakers within their power-range rating to prevent damage — that is, keep listening levels below the point of obvious audible distortion.



### Speaker Placement

GoldenEar Invisa® Signature Point Source speakers are designed to allow flexible placement while providing a very large window of sound throughout your listening room. Please remember that although the following recommendations are usually valid, all rooms and listening sets-ups are somewhat unique. Remember, whatever sounds best to you is correct.

### Room Acoustics

GoldenEar Invisa® Signature Point Source speakers are designed to provide exceptional sound in a wide variety of domestic settings. It is important to note however that listening room construction, dimensions and furnishings all play a part in the quality of sound you will ultimately achieve from your new speakers. The listening room will impose its own character on the performance capabilities of the speaker system. Regarding the room, please note that:

- Mid and high frequencies are affected by the amount of soft furnishings in your room — curtains, carpets, sofas, wall coverings, etc. An excess of such items can result in a somewhat dull sound. The same room without any soft furnishings can produce an overall bright sound. The typical quantity of soft furnishings found in most living environments provides the right acoustic characteristics to allow the speakers to sound balanced. To help control for these differences, your new Invisa Signature Point Source speakers have a high frequency EQ switch to increase or decrease the HF level to accommodate different room acoustics and placements;
- Concrete floors and walls tend to aggravate low-frequency standing wave problems;
- Rooms where height, width and length are similar can exhibit significant low-frequency standing wave problems. This may result in reduced clarity. In such rooms avoid corner placement to minimize acoustic problems.

The extra care you take in correctly positioning the speakers will result in greater listening enjoyment. So, keep the following guidelines in mind when deciding on the best speaker placement.

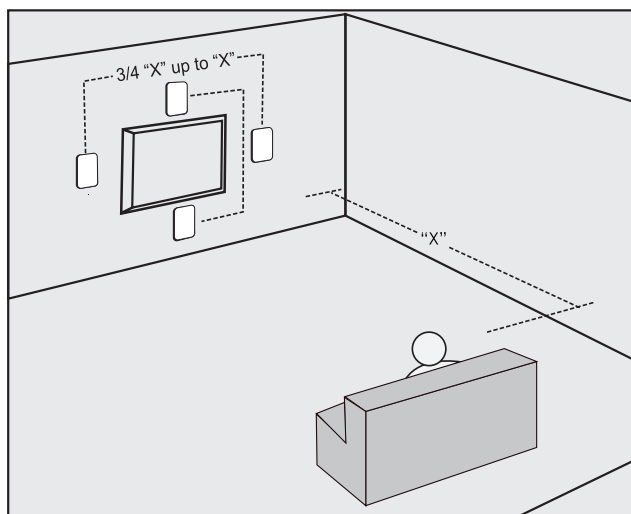
**To ensure the best performance possible, observe the following placement guidelines:**

**LOCATION:** When preparing to install your speakers pick a location that has the required clearance between wall studs or ceiling joists. Make sure to check for wiring, conduit, water pipes, HVAC ducts and other obstructions before cutting the installation hole.

**ACCURATE TIMBRE:** For the most accurate and natural timbre, for in-wall music installations, speakers' high-frequency drivers should be at approximately ear level. Stereo pairs should be placed approximately equal distance apart. Select locations that allow the sound to reach the listening area unobstructed by furnishings.

**BALANCED BASS:** Placing speakers in corners will over-emphasize bass and reduce overall clarity. If possible, position speakers away from either side wall. This will ensure better bass performance and optimal midrange clarity.

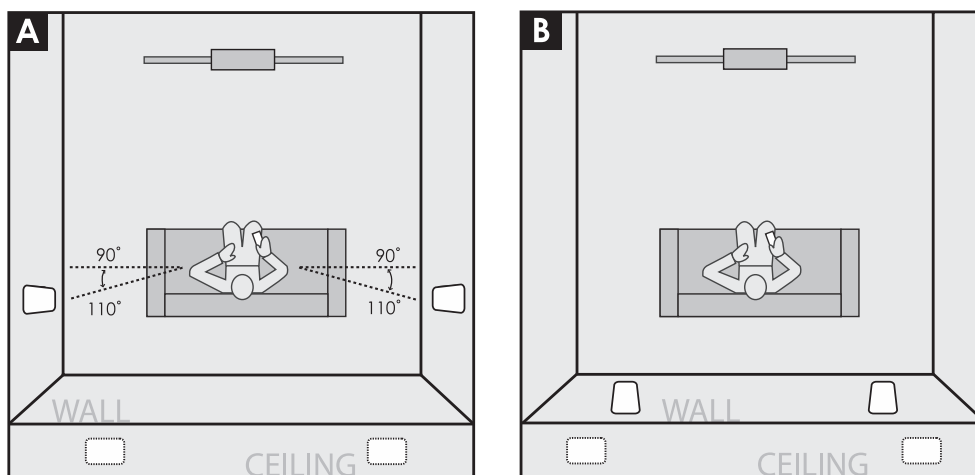
**FOR BEST IMAGING:** For in-wall installations of L/R mains, measure the distance from your main listening area to the left front speaker (we'll call this distance "X"). For optimal imaging and largest soundstage, place speakers "X" distance apart from each other (and no less than  $\frac{3}{4}$  of that distance —  $\frac{3}{4}$  of "X" up to "X"). For Home Theater installations with L/C/R in-walls, place the center speaker above or below your TV, whichever position is closer to ear level, as show in the figure below. For horizontal installations, see "Rotating the Tweeter for Horizontal Applications" section on page 10.



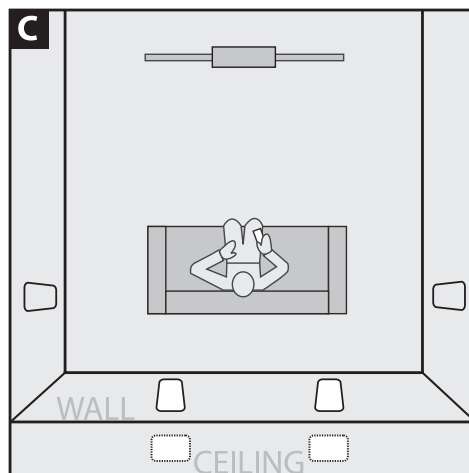
Positioning Invisa® Signature Point Sources as Left/Right/Center Fronts

## Positioning Invisa® as Surrounds/Rears

When used as surround speakers in a 5.1 system, Invisa® speakers may be located on the side, above, or behind the listeners. When used on the sides, take care never to locate the speakers forward of the listeners (A). If the speakers are placed along the rear wall as surrounds, it is suggested that they be positioned fairly wide apart if possible, in-ceilings in the corners is also a good location. For instance, if there is a couch in the center of the rear wall on which the listeners will sit, try to position the speakers wider apart than the couch (B). Rear speakers in a 7.1 system should be placed fairly close together (4-6 feet) as shown (C). Surround and rear speakers should always be positioned as high as possible in the room for non-Atmos systems. For systems with height channels, always position the non-height channels at ear level.



5.1 System Rear Speaker Location Options



7.1 System Rear Speaker Location Options

### Speaker Break-in

Your new Invisa® Signature Point Source loudspeaker system should sound good as soon as you turn them on; however, an extended break-in period of 40-60 hours or more of normal playing time is required to reach full audiophile performance capability. Break-in allows the driver suspensions to work-in and crossover components to “heal,” resulting in fuller and tighter bass, a more open “blossoming” midrange and smoother high frequency reproduction.

### Color-Match Painting (optional)

Your new Invisa® Signature Point Source speakers include a paintable “edgeless” grille that completely covers the installed speaker. The grille comes in a neutral white to blend with most areas, however, for the ultimate in “stealth” installation, they may be painted to match any decor. **PLEASE NOTE: Failure to follow the instructions below may result in a serious degradation of sound quality!**

Please Note:

- Do not paint the grille with a brush or roller — this will clog the grille's acoustic perforations and muffle the sound.
- It is not necessary to remove the backing cloth, or scrim, from the grille before painting.
- Do not heat cure the finish.
- Do not paint the grilles while attached to the speaker.

To paint, follow these steps:

1. Remove the grille from the speaker and place it on a drop cloth
2. Spray paint the grille using:
  - i. A spray paint that closely matches the color and shine desired.
  - ii. A custom-made spray can, color matched to your paint finish.
  - iii. The indoor latex paint used to paint the ceiling or wall, but diluted to the paint manufacturer's/spray gun manufacturer's recommendations
3. In a well ventilated area, apply several light coats of paint, sprayed at about a 60 degree angle from the grille's surface, letting the grille dry completely between coats. Follow the paint manufacturer's directions.
4. To insure the paint is evenly applied, each coat should be applied from multiple directions (at least four).
5. Once the painted grille has dried completely, if necessary you can use a brush or small roller to touch-up the grille's outer edge — just be careful not to get any additional paint on the grille's perforated surface.

## Installation Instructions

Installation of your new Invisa® Signature Point Source speakers requires use of tools such as a drill, screwdriver, saws and possibly other power tools. The installer should have knowledge of all applicable building and/or fire codes. Care must be taken to ensure the area behind the wall or ceiling where you plan to install the speakers is clear of obstructions. When cutting the hole in and running wires through walls and/or ceilings proper care must be taken to avoid electrical, water, gas and/or HVAC pipes and the corresponding risks to your safety and risk of damage to property.

If you are not comfortable with the above and/or performing the following installation procedures we strongly suggest having a professional contractor install your speakers (see your GoldenEar Dealer).

Tools Required:

- Pencil
- Drywall saw, Keyhole saw, utility knife or other material-appropriate cutting tool for wall material
- Phillips Head Screwdriver
- Power drill with appropriate bit (optional, for starting wall cut)

## Installation Into Existing Walls or Ceilings

**For new construction (pre-drywall), use our custom rough-in brackets, sold separately.**

NOTE: You must first install appropriate gauge and type speaker wires. For best sound quality, the use of high quality speaker cable is essential.



**Use only cable that is rated for in-wall use (UL Standard CL2, CL3 and CM, CSA standard FT4).**

1. Make sure the wall material can support the weight of the speakers you plan to install (see specifications page for weights).
2. Make sure the location selected is free of studs, electrical wiring, water or gas pipes, etc. Prior to installing, hold the speaker in your selected location to make sure it is clear of any obstacles. **PLEASE NOTE: Your cutout must be at least 2" (50mm) from adjoining walls/ceiling, internal studs, and any pipes.**
3. Place the included mounting template onto the wall or ceiling in your preferred location. Use the pencil to trace around the template (Figure 1).
4. Carefully cut a hole with the appropriate cutting tool along the pencil trace as follows: Start the hole by drilling a hole inside of the pencil line (place drill bit just inside the line). Use this hole to insert the cutting tool and begin cutting — be careful not to cut outside the template line! (Figure 2).

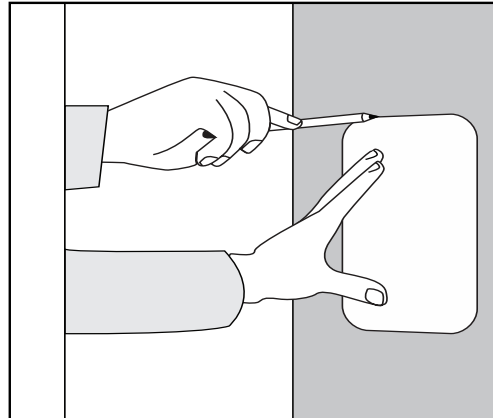


Figure 1

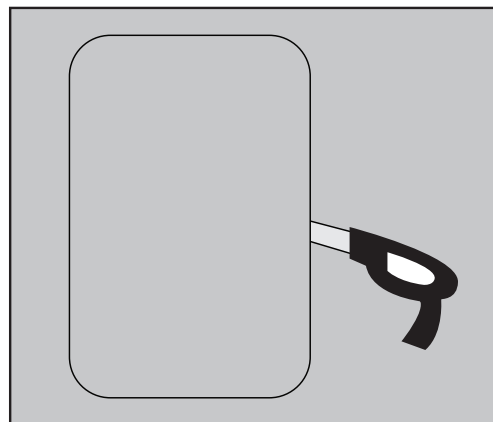


Figure 2



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### 5. For In-Wall Mounting:

- For optimum performance, loosely place two pieces of standard fiberglass insulation in the wall, one just above the hole and one just below. An 8" x 10" piece should work well, R-12 for a 2x4 wall, R-20 for a 2x6 wall.
- Also place a half-thick piece of fiberglass insulation cut to the height of the speaker in the wall right behind the mounting hole.

### 6. For In-Ceiling Mounting:

- For optimum performance, loosely place one piece of standard fiberglass insulation, cut to fit the joist size, above the speaker and extending about 15" or more beyond the speaker;
- For taller joists, also place fiberglass insulation against the joists on either side of the mounting hole.



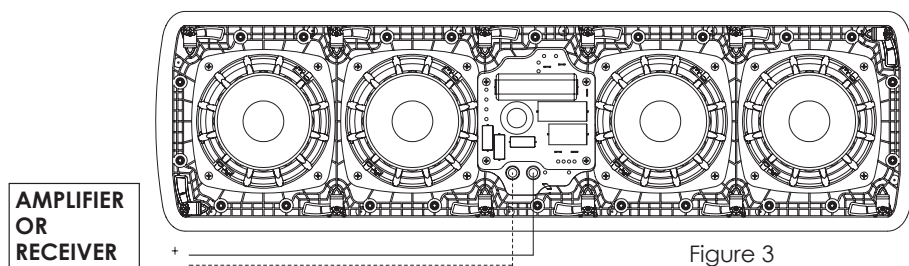
**Turn your amplifier/receiver OFF before performing any connection steps, in order to prevent accidental damage to your amplifier.**



**If you plan to use multiple speakers per amplifier channel. The minimum impedance of ONE Invisa in-wall/in-ceiling speaker is 4 ohms per channel.**

### 7. Pull the speaker wire out of the hole and connect the speaker as follows:

- Your Invisa® Signature Point Source speakers are equipped with a set of high-quality push spring connectors that can be used with bare wire. Make sure all wires are firmly fastened. Always use high quality speaker wire of the correct rating (see above) and sufficient gauge for the distances you are running (see your dealer for assistance).
- Strip 1/2" (12 mm) of insulation from each of the two conductors to expose the metal, twist the strands of each into a single un-frayed strand.
- Hold the speaker up to the cutout and connect the speaker cable. Proper polarity (or phase) is critical for proper stereo imaging and bass performance. Connect the red(+) terminal of your receiver or amplifier to the red(+) terminal of the Invisa loudspeaker and the black(-) terminal of your receiver or amplifier to the black(-) terminal of the Invisa loudspeaker (See Figure 3). Most speaker cables are either color coded or have some indicator (ribbing or writing) on one of the conductors to help maintain this consistent polarity. It is essential that all speakers be connected in the same way (in phase) to its own channel of the amplifier. If you experience a great lack of bass, it is likely that one speaker is out of phase (+ and - reversed) with the other.



- Push down on the top of the speaker's push terminal to reveal the wire hole in the post. Insert the wire into the hole and release your pressure on the terminal.



8. Loosen the six rotating lock arms on the speaker by turning the arm screws on the front of the speaker counterclockwise 1/2 to 1 turn, just enough to allow the lock arm to move freely (Figure 4).

- Make sure the rotating lock arms are positioned inwards (Figure 5) so that your speaker fits into your cutout hole.

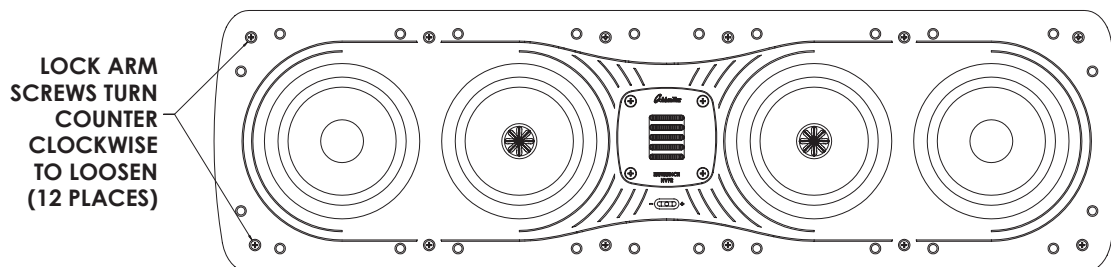


Figure 4

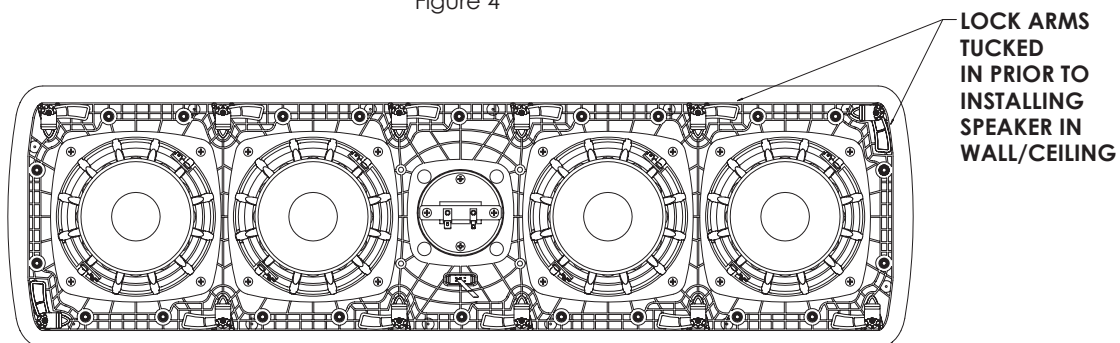


Figure 5

9. Holding the speaker's front lip with your thumbs and index fingers, carefully slip the speaker into the cutout and hold firmly in place. (Figure 6).

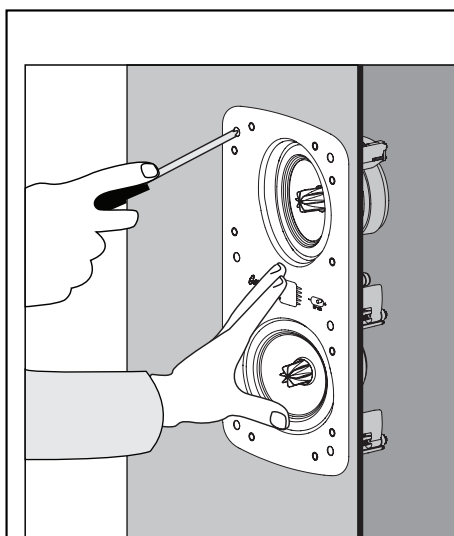


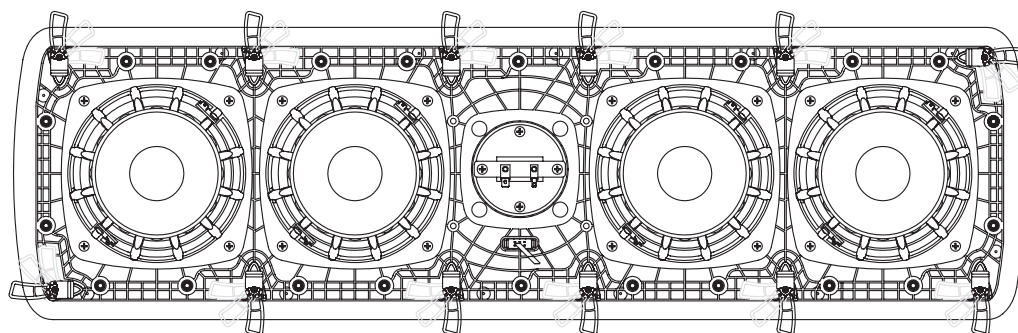
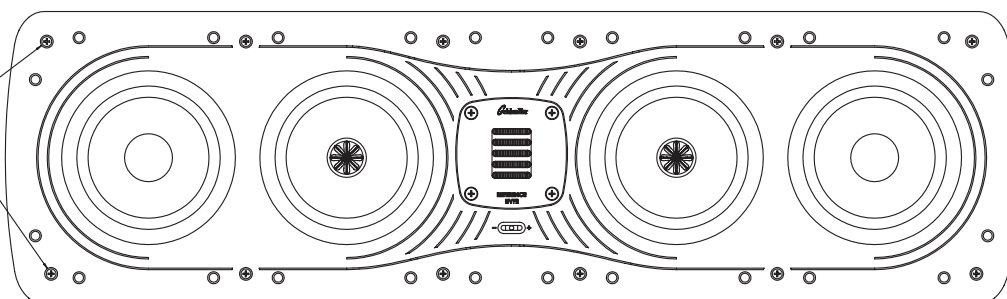
Figure 6



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10. While holding in place, tighten the six lock arm screws with a screwdriver (Figure 7). This will rotate the lock arms and secure the speaker to the wall/ceiling. **DO NOT OVERTIGHTEN** the lock arm screws as this could damage the drywall. If you are using a power screwdriver or drill, set the torque to a value of no more than 7 in.-lb (8dN-m).

**LOCK ARM  
SCREWS TURN  
CLOCKWISE  
TO TIGHTEN  
LOCK ARMS  
AND SECURE  
SPEAKER TO  
MOUNTING  
SURFACE  
(12 PLACES)**



11. Install the grille by placing it over the installed speaker and aligning the powerful miniature magnets.

## Rotating Tweeter for Horizontal Installations

When installing the Invisa Signature Point Source horizontally, as in a typical center channel application, you must rotate the tweeter 90 degrees for proper performance. See Figure 8.

**TWEETER CAN BE ROTATED BY REMOVING SCREW (4 PLACES), PULLING TWEETER ASSEMBLY OUT SLIGHTLY, ROTATING IT 90° AND SECURING IT IN PLACE AGAIN BY REPLACING THE SCREWS.**

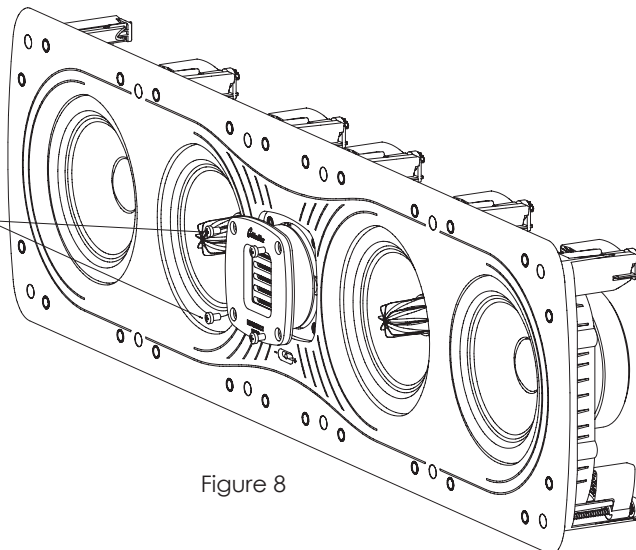


Figure 8

## Setting the Invisa Speaker's High Frequency EQ Control (HF EQ Switch)

We suggest starting with the HF EQ control (Figure 9) in the center position, in typical rooms with a balance of reflecting and absorbing surfaces. If, however, your listening room is overly "bright" due to many reflective, hard surfaces, select the "-" position to effectively compensate for this type of room acoustics issue. If, however, your listening room is filled with heavy furniture and fabrics or you are sitting fairly far from the speakers, making the sound "dull", select the "+" position to compensate for this type of room acoustics issue.

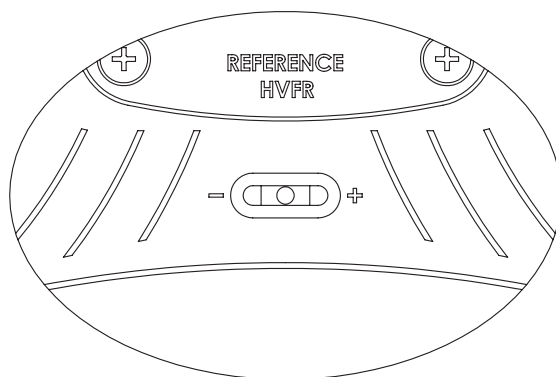


Figure 9

## Setting Bass and Treble Controls on Receiver or Amplifier

Normally we recommend that you set the "Bass" and "Treble" controls on flat (or off, or 0 dB). Same applies for a graphic equalizer; we recommend that you leave it flat (or off). This will give you the most accurate and natural sound. If you want more bass, raise your subwoofer's "Level" control (or raise the subwoofer level on you're a/v receiver), keeping in mind that even a little turn of the knob can make a big difference in the sound. The reason for this recommendation is that we have discovered what is often thought to be improper sounding speakers is, in fact, a problem caused by the use of tone controls. When in doubt, leave them out (flat); this almost always results in the best possible and most natural sounding system performance.



### Complete Home Theater Systems

We strongly suggest that you use matching GoldenEar Invisa® loudspeakers and a ForceField™ subwoofer, for your complete GoldenEar home theater system. Invisa® Signature Point Source speakers are designed to be used as front, rear and/or side surround speakers, with exceptional results for both music and movies. Of particular note, the GoldenEar ForceField Subs have been designed specifically to make a perfect match with the Invisa® Signature Point Source speakers.

### Using the Invisa® Signature Point Source in a Multi-Channel Home Theater Application

When using the Invisa® Signature Point Source as part of a home theater system that includes powered subwoofer(s), it is extremely important that bass is directed to the subwoofer and NOT the Invisa® Signature Point Source speakers. This is done through the use of a high-pass filter, implemented as part of the setup of the bass management system of your home theater receiver/processor (see next page).

### Setting Channel Levels and Bass Management

Multi-channel surround sound systems have bass management systems (systems which direct the bass to the various channels) which vary from unit to unit. This bass management system must be properly adjusted, in particular it is extremely important that bass is directed to the subwoofer and NOT the Invisa® speakers in these setups, through use of bass management settings as described below. Many problems relating to the overall sound of the system can be traced back to improper bass management. Also note that Multi-channel surround sound systems have a critical channel balancing procedure for setting the level for all speakers which must be followed if the system is to perform properly. Many problems relating to the overall sound of the system can be clearly traced back to improper system balance.

**Home Theater System Bass Management Settings:** On your Home Theater receiver or A/V processor's Speaker Setup Menu, set speaker to "Small" for all channels using Invisa® Signature Point Source speakers, and set Subwoofer to "Yes." The standard 80Hz crossover is the recommended setting (or at least starting point) for the crossover setting.

**Setting Channel Levels:** On your receiver or A/V processor's Speaker Level Calibration Menu, set each speaker (channel) in the system to the same volume level. While you can get reasonable results doing this by ear, it is best to use an inexpensive Sound Pressure (SPL) meter to get better channel to channel balance. Some new receivers and processors have Auto Set Up functions that use a supplied microphone to set levels automatically.

## Troubleshooting

If you experience any difficulties with your Invisa® Signature Point Source speakers, try the suggestions described below. If you are still having problems, please consult your GoldenEar Authorized Dealer for assistance.

1. Make sure all your system interconnects, speaker cables and power cords are solidly in place.
2. Check that no foreign objects or liquid has entered the speaker.
3. If no sound comes out or the sound is distorted in some way and you are sure the system is set up properly, please bring the speaker to your GoldenEar Authorized Dealer for assistance. But make sure you call first.

## Service

Service and warranty work on your GoldenEar loudspeakers will normally be performed by your local GoldenEar dealer. If, however, you wish to return the speaker to us, please contact us first, describing the problem and requesting authorization as well as the location of the nearest factory service center. **Please note that the address given in this booklet is the address of our office P.O. Box only. Under no circumstances should products or parts be shipped to our offices or returned without contacting us first and obtaining return authorization.**

The Quest Group dba  
GoldenEar™  
2621 White Road  
Irvine, CA 92614 USA  
Phone: 949-800-1800

## Technical assistance

It is our pleasure to offer assistance if you have any questions regarding your Invisa® Signature Point Source speakers or their set-up. Please contact your GoldenEar dealer or contact us directly at (949) 800-1800.

## Recycling and Reuse Guidelines for Europe



In accordance with the European Union WEEE (Waste Electrical and Electronic Equipment) directive effective August 13, 2005, we would like to notify you that this product may contain regulated materials which, upon disposal, according to the WEEE directive, require special reuse and recycling processing. For this reason GoldenEar (manufacturers of GoldenEar speakers) has arranged with our distributors in European Union member nations to collect and recycle this product at no cost to you. To find your local distributor please contact the dealer from whom you purchased this product or go to our website at [www.goldenear.com](http://www.goldenear.com).

Please note that the product only falls under the WEEE directive. When disposing of packaging and other shipping material we encourage you to recycle through the normal channels.



## Specifications

### Invisa® Signature Point Source

<b>Dimensions:</b>	SPEAKER: 27- <sup>9</sup> / <sub>16</sub> " (70 cm) H x 7- <sup>15</sup> / <sub>16</sub> " (20.2 cm) W x 3- <sup>1</sup> / <sub>4</sub> " (8.25 cm) D Depth with Optional Back Box 3- <sup>3</sup> / <sub>4</sub> " (9.5 cm) GRILLE: 28- <sup>3</sup> / <sub>16</sub> " (71.5 cm) H x 8- <sup>9</sup> / <sub>16</sub> " (21.7 cm) W
<b>Cutout:</b>	26- <sup>9</sup> / <sub>16</sub> " (67.43 cm) x 7- <sup>1</sup> / <sub>8</sub> " (18.25 cm)
<b>Weight/Speaker Only:</b>	13.7 lbs. (6.2 kg)
<b>Weight/Speaker with Back Box:</b>	14.8 lbs. (6.7 kg)
<b>Frequency Response:</b>	25 Hz – 35 kHz
<b>Efficiency:</b>	92 dB
<b>Nominal Impedance:</b>	4Ω (Compatible with 8Ω)
<b>Driver Complement:</b>	Two 5.25" high-definition cast-basket MVPP™ mid/bass drivers Two 5.25" high-definition cast-basket lower mid/bass drivers One High-Gauss HVFR™ High Velocity Folded Ribbon tweeter
<b>Rec. Amplification:</b>	20 – 350 Watt/channel

Specifications are subject to change without notice.





## **Limited Warranty**

### **5-YEARS FOR DRIVERS AND CABINETS, 3-YEARS FOR ELECTRONIC COMPONENTS**

GoldenEar™ warrants to the original retail purchaser only that this GoldenEar Loudspeaker Product (the "Product") will be free from defects in materials and workmanship for a period of five (5) years covering the drivers and cabinets, and three (3) years for the electronic components from the date of the original purchase from a GoldenEar Authorized Dealer. However, this warranty will automatically terminate prior to the expiration of five (5) years for the drivers and cabinets and three (3) years for the electronic components if the original retail purchaser sells or otherwise transfers the Product to any other party. The original retail purchaser shall hereinafter be referred to as "you." Defective Products must be shipped, together with proof of date of purchase, prepaid insured to the Authorized Dealer from whom you purchased the Product, or to the nearest factory service center. Product(s) must be shipped in the original shipping container or its equivalent; in any case the risk of loss or damage in transit is to be borne by you. If, upon examination at the Factory or a GoldenEar Authorized Dealer, it is determined that the unit was defective in materials or workmanship at any time during this Warranty period, GoldenEar or the GoldenEar Authorized Dealer will, at its option, repair or replace this Product at no additional charge, except as set forth below. All replaced parts and Product(s) become the property of GoldenEar. Product(s) replaced or repaired under this Warranty will be returned to you, within a reasonable time, freight collect.

This Warranty does not include service or parts to repair damage caused by accident, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage in excess of the rated maximum of the unit, cosmetic appearance of cabinetry not directly attributable to defects in materials or workmanship, or service, or repair or modification of the Product which has not been authorized by GoldenEar. GoldenEar makes no Warranty with respect to its Products purchased from dealers or outlets other than GoldenEar Authorized Dealers. This Warranty is in lieu of all other expressed Warranties. If this Product is defective in material or workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. In no event will GoldenEar be liable to you for any incidental or consequential damages arising out of the use or inability to use the Product, even if GoldenEar or a GoldenEar Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation may not apply to you.

All implied warranties on the Product are limited to the duration of this expressed Warranty. Some states do not allow limitation on how long an implied Warranty lasts, so the above limitations may not apply to you. This Warranty gives you specific legal rights, and you also may have other rights which vary from state to state.



This product complies with the essential requirements of the EMC directive 89/336/EEC

**Visit us at [www.goldenear.com](http://www.goldenear.com)**

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