

# GoldenEar's™ Invisa® Series

“... superb, both on movies and music ...”

— Thomas J. Norton, *Sound & Vision*



“The Invisa system deftly combines high-performance, affordability, and “invisibility” to deliver sound that you'd swear could only come from full-sized speakers”

—Mark Henninger, *AVS Forum*

Model Shown: Invisa Signature Point Source (3)

Some of GoldenEar's™ Extraordinary Series of Awards:



## Invisa® Series

GoldenEar™ Invisa Series loudspeakers are engineered to deliver superb state-of-the-art sound quality from in-wall/in-ceiling speakers that are designed to blend perfectly with their surroundings and virtually disappear. A tremendous amount of work has gone into the acoustical engineering of the Invisa Series speakers in order to deliver the highest sound quality possible in an architectural format.

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

The Invisa Signature Point Source (SPS) is intended for use as a main front left, right, or center channel loudspeaker, as well as a side or rear surround in high quality multi-channel home theater and music systems, as well as in simpler two channel systems of the highest quality. Each Invisa SPS incorporates four 5-1/4" high-definition cast basket drivers, which are very similar to those found in the award-winning Triton Reference. The Invisa SPS also incorporates an extraordinary, High-Gauss Reference High Velocity Folded Ribbon Tweeter similar to those used in the Triton towers. The complex crossover network utilizes the special fully balanced topology incorporated in our upper range models, with a special polystyrene film capacitor on the high frequency section. The drivers are wired with special wire which has a unique twist that was engineered for highest performance.

The four 5-1/4" drivers are not identical, nor do they cover the same frequency range, in order to achieve a point source radiation pattern, with the dramatic benefits of better dispersion and improved imaging. Other important details include: a switch to allow adjustment of the tweeter level, a magnetically attached low profile grille, non-resonant mineral-filled frame structure, special dogs to allow easy and secure attachment to the wall, and a rotatable tweeter to allow for correct orientation of the tweeter for vertical or horizontal positioning. There is a unique optional backbox available that has been engineered to prevent bleed through of sound into the adjacent room.



Invisa SPS

**“With the Invisa Signature Point Source GoldenEar has once again delivered on its promise of high-end audio at real world pricing.”**

– John Sciacca, *Residential Systems*

#### INVISIA SPS SPECIFICATIONS

**Speaker Dimensions:** 27-9/16" H x 7-15/16" W x 3-1/4" D. **Depth with Optional Back Box:** 3-3/4". **Grille:** 28-3/16" H x 8-9/16" W. **Cut-Out Size:** 26-9/16" x 7-1/8". **Frequency Response:** 25 Hz – 35 kHz. **Efficiency:** 92 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** Two 5-1/4" high-definition cast-basket MVPP™ mid/bass drivers. Two 5-1/4" high-definition cast-basket lower mid/bass drivers. One High-Gauss HVFR™ High Velocity Folded Ribbon tweeter. **Rec. Amp:** 20 – 350 Watt/channel.

### Invisa HTR 7000 In-Ceiling Home Theater Reference Loudspeaker



Invisa 7000

#### INVISIA HTR 7000 SPECIFICATIONS

**Dimensions:** 10-1/16" Diameter x 4-15/16". **Cut-Out Dimensions:** 9" Diameter. **Frequency Response:** 25 Hz – 35 kHz. **Sensitivity:** 90 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** One 7" High-Definition Cast-Basket MVPP™ Bass/Midrange Driver, One High-Velocity Folded Ribbon (HVFR™) tweeter. **Rec. Amp:** 10 – 250 Watt/channel.

The Invisa HTR 7000 is designed for use as a ceiling-mounted main front stage left, right, or center speaker in high-quality home theater or music systems, as well as for use as a side or rear surround speaker. In many installations it is also perfect as a height channel speaker. It has a flat, round, magnetically attached micro-perf grille that covers the mounting flange for an attractive, nearly “invisible” look. The drivers are mounted at precisely calculated angles so that they face the normal listening position for exceptional imaging, superior frequency response, remarkable clarity and precise focus. The driver complement combines the same superb 7" high-definition cast-basket driver used in the acclaimed Aon 3, with one of GoldenEar’s signature High Velocity Folded Ribbon tweeters. A complex crossover network, with a high-frequency equalization switch, assures perfect blending. In order to achieve open, boxless, three-dimensional imaging that appears to come from across the front wall rather than the ceiling, great care has been taken to minimize deleterious diffraction effects as well as to optimize wave-launch into the room. This is achieved by utilizing and combining our FocusField™ Technology with a unique Non-Periodic Waveform (NPW) Diffraction Control and Wave-Launch construction.

**“a front soundstage that creates an absolutely convincing illusion that there are speakers located right in front of you”**

– Mark Henninger, *AVS Forum*

## Invisa MPX MultiPolar In-Wall/In-Ceiling Loudspeaker

The Invisa MPX MultiPolar™ In-Wall/In-Ceiling Loudspeaker combines the advantages of a direct-radiating loudspeaker but with enhanced spaciousness and dispersion. This makes them the perfect choice for the rear or side surround channels of a multi-channel installation, as well as for front main speakers or for distributed audio multi-room installations. It can be easily mounted in walls or ceilings and is very flexible in terms of orientation. Like the other Invisa Series speakers, it has a flat magnetically attached micro-perf grille that covers the flange for an attractive, nearly invisible look. It combines two precisely angled spiderleg cast-basket 4.5" bass/midrange drivers, a High-Velocity Folded Ribbon Tweeter (HVFR™) and a complex precision crossover network with a high-frequency equalization switch. Like the Invisa HTR 7000, it features GoldenEar's unique Non-Periodic Diffraction Control and Wave-Launch technology for enhanced clarity and source-less sound radiation into the room.

### INVISIA MPX MULTIPOLAR™ SPECIFICATIONS

**Dimensions:** 13-7/8" H x 7-1/4" W x 3-3/4" D. **Cut-Out Dimensions:** 12-3/4" H x 6-1/4" W. **Frequency Response:** 25 Hz – 35 kHz. **Sensitivity:** 90 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** Two 4-1/2" High-Definition Cast-Basket MVPP™ Bass/Midrange Drivers, One High-Velocity Folded Ribbon Tweeter (HVFR™). **Rec. Amp:** 10 – 250 Watt/channel.

“... capable of bringing many dedicated theater rooms to their knees ... the Invisa speakers are that good.”

– Todd Anderson, *AV Nirvana*



Invisa MPX MultiPolar

“The Invisas, as a collective unit, sounded totally seamless ... there was that extra bit of synergy (or magic) between all the pieces ... that just put the sound over the top for me.”

– Carlo Lo Raso, *Secrets of Home Theater*

## Invisa 525 and 650 High-Definition Architectural Loudspeakers



Invisa 525

Invisa 650

### INVISIA 525 SPECIFICATIONS

**Dimensions:** 7-3/4" diameter. **Cut-Out Size:** 6-3/16" diameter. **Depth:** 3-7/16". **Frequency Response:** 27 Hz – 35 kHz. **Sensitivity:** 89 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** One 5-1/4" bass/midrange driver, One High-Velocity Folded Ribbon (HVFR™) high-frequency radiator. **Rec. Amp:** 10 – 200 Watt/channel.

### INVISIA 650 SPECIFICATIONS

**Dimensions:** 8-5/8" diameter. **Cut-Out Size:** 7-1/8" diameter. **Depth:** 3-7/16". **Frequency Response:** 25 Hz – 35 kHz. **Sensitivity:** 90 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** One 6-1/2" bass/midrange driver, One High-Velocity Folded Ribbon (HVFR™) high-frequency radiator. **Rec. Amp:** 10 – 250 Watt/channel.

The Invisa 525 and Invisa 650 in-ceiling and in-wall speakers are designed to blend perfectly with their surroundings and virtually disappear by virtue of their magnetically attached grill-covered/ hidden flange construction. They are both very similar in terms of construction and sonic performance. Of course, the larger 6.5" driver based 650 will play somewhat louder with more extended low-frequency response than the 5.25" driver based 525. Both, however, are superb.

The driver motor structures and cone/voice coil assemblies (5.25" in the 525 and 6.5" in the 650) are based on those utilized in GoldenEar's Triton and Aon speakers. Of course, both also incorporate a High Velocity Folded Ribbon (HVFR) high-frequency radiator similar to the unit used in GoldenEar's award-winning Triton Towers. The Invisa 525 and Invisa 650 utilize a one-piece driver/frame/flange construction in order to minimize their footprint. Solidly constructed of a marble-infused polymer, the unitized structure actually has the high-definition wide-dispersion driver constructed as an integral part. Both systems have complex multi-element crossovers to precisely blend the drivers for seamless, exquisitely natural sound quality.

The 650 and 525 are designed for in-ceiling and in-wall use. They come standard with a round, paintable MagneLock™ magnetically fastened micro-perf grill and there are optional square grills available. The grills fully cover the mounting flange for a highly desirable stealth appearance. Special attention has been given to achieving wide sonic dispersion that is so important in distributed audio systems. The tweeters pivot to further optimize performance and a high-frequency equalization switch allows precise matching to any environment.

## Invisa SP 652 Single Point Stereo Speaker

Similar to the Invisa 650, the Invisa SP 652 is a very versatile all-in-one stereo speaker, which, when both channels are paralleled, also makes a great bipolar surround speaker as well as an in-ceiling Atmos height speaker. Solidly constructed of a marble-infused polymer, the unitized construction actually has the high-definition wide-dispersion dual-wound voice-coil 6-1/2" driver constructed as an integral part, with clear performance advantages. Special care has been taken to minimize deleterious diffraction effects that are common in many other stereo speakers that sink the drivers deeply into the structure. The two superb, but costly, HVFR™ tweeters are mounted in a special acoustically optimized high-frequency pod with a precisely calculated angle to maximize stereo coverage and radiation into the room. It is unique to find tweeters of this quality in single point stereo speakers. Two complex crossovers incorporating the highest quality components are utilized to precisely blend the drivers for seamless exquisite sound quality. A specially contoured santoprene anti-resonance/diffraction-control ring is incorporated around the driver and covering the surrounds to further optimize performance. There is also a high-frequency equalization switch to precisely match the SP 652 to any environment.



Invisa 652

### INVISA SP-652 SPECIFICATIONS

**Dimensions:** 8-5/8" diameter. **Depth:** 3-7/16". **Cut-Out Size:** 7-1/8" diameter. **Frequency Response:** 25 Hz – 35 kHz. **Efficiency:** 86 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** One - 6-1/2" Dual-Wound Voice-Coil Mid/Bass Driver. Two - HVFR™ High-Velocity Folded Ribbon Tweeters. **Rec. Amp:** 10 – 125 Watt/channel.

**“The entire GoldenEar Invisa home theater system was absolutely stunning... it created an absolutely stunning audio envelope.”**

– Darryl Wilkinsons, *Sound & Vision*

## Invisa 600 Our Most Affordable High-Performance In-Ceiling Speaker



Invisa 600

### INVISA 600 SPECIFICATIONS

**Dimensions:** 8-5/8" diameter. **Cut-Out Size:** 7-1/8" diameter. **Depth:** 3-7/16". **Frequency Response:** 25 Hz – 35 kHz. **Sensitivity:** 90 dB. **Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** One 6-1/2" high-definition cast-basket MVPP™ mid/bass driver One Pivoting Titanium Dome Tweeter with Silk Surround. **Rec. Amp:** 10 – 250 Watt/channel.

Looking for a high performance affordable alternative to the “Contractor Quality” in-walls your builder might suggest? The Invisa 600 is based on our best-selling Invisa 650, with the same one-piece marble-infused unitized driver/frame/flange construction built around the same 6-1/2" driver. It also offers the same minimal footprint, which delivers the exceptional performance advantages of a 6-1/2" driver based system, in a compact size comparable to the size of most competitors' 5-1/4" systems. Of course, it also features a paintable MagneLock grille with an optional square grille available.

Instead of our signature HVFR tweeter, the 600 incorporates a newly developed 1" pure titanium dome tweeter, which has a special silk surround. It is pivotable, of course. Its performance, while not quite that of our folded ribbon, is excellent and we believe the best of any dome tweeter available in in-wall, in-ceiling architectural products. Of course, a complex crossover is utilized to ensure seamless blending and voicing is signature GoldenEar all the way.

**GoldenEar™**

2621 White Road • Irvine, CA 92614  
[www.goldenear.com](http://www.goldenear.com) 949-800-1800