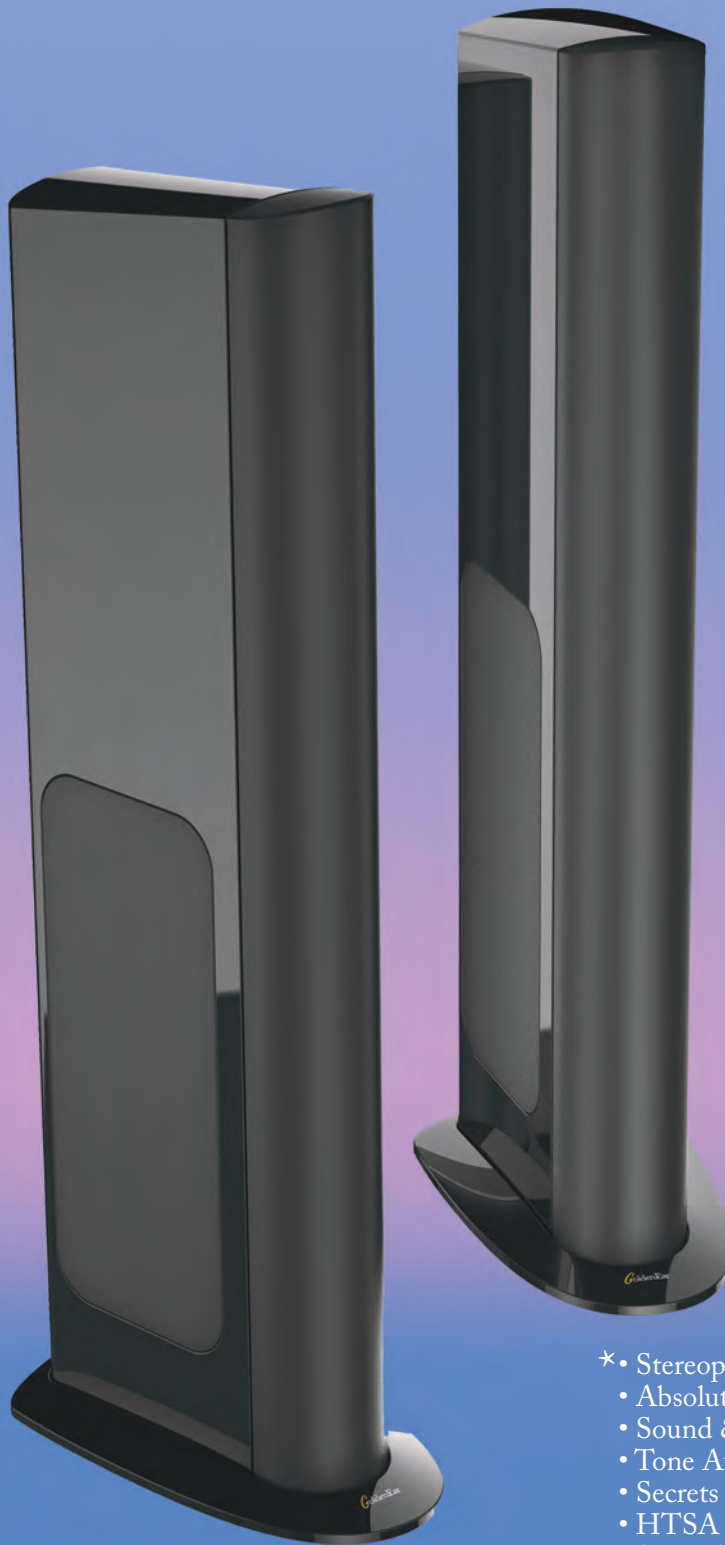


# GoldenEar Technology Proudly Introduces Our Extraordinary New Triton One.R

*“Everything that earned the Triton Reference the audio industry’s highest honors\*  
in a gorgeous, super sounding, more compact and even more affordable package.”*



- \*• Stereophile’s Highest Class A Rating
  - Absolute Sound’s Golden Ear Award
  - Sound & Vision’s Top-Pick-of-the Year
  - Tone Audio’s Product-of-the-Year
  - Secrets of HiFi’s Speaker-of-the-Year
  - HTSA Audio Product-of-the-Year
  - SoundStage Reviewer’s Choice
  - Sound & Image Loudspeaker-of-the-Year
- and the list goes on and on....

## THE CUTTING-EDGE TECHNOLOGY BEHIND THE TRITON ONE.R

Two 5.25" High-Definition Cast-Basket Reference Bass/Midrange Drivers w/ Multi-Vaned Phase Plugs

Optimized Dual-Chamber Upper-Bass/Midrange Enclosure with Angled Rear Walls

High-Gauss Reference High-Velocity Folded Ribbon Tweeter (HVFRT™) w/Zobel Network

Open-Cell Polyurethane Foam Damping Pads and Complex Internal Bracing

Proprietary Mix of Long-Fiber Lamb's Wool and Dacron for Internal Damping

Three 5" x 9" Quadratic Reference Sub-Bass Drivers

Elaborately Braced Accelerometer Optimized Non-Resonant Cabinet

Hybrid Phase-Perfect Electronic/Passive Low Frequency Crossover

Linear-Phase Fully Balanced Crossover Network

Four Inertially-Balanced Quadratic Planar Infrasonic Radiators: Two On Each Side of Cabinet

Hybrid Phase-Perfect Electronic/Passive Low Frequency Crossover

Elegantly Sleek Piano Gloss Black Lacquer Finish Cabinet

1600-Watt 56-Bit DSP-Controlled Class D Digital Amplifier

Accelerometer-Optimized Non-Resonant Cabinet w/ Non-Parallel Walls



*"If I could pull a Spinal Tap and push the Triton One.Rs Value rating past our usual maximum, I'd do it in a heartbeat."*

– Al Griffin, *Sound & Vision*

*"...a pair of Triton One.Rs really kick the width of the soundstage into overdrive, spreading the wall of voices far beyond their physical placement in the room, with undeniably enhanced clarity and articulation."*

– Dennis Burger, *HomeTheaterReview.com*

*"Think of the Triton One.R as a Triton Reference that has been subjected to a Permanent Potion of Diminution"*

– Dennis Burger, *HomeTheaterReview.com*

*"The slam of the kettle drums and cymbals was appropriately thunderous...intense gut-punching slam...window and bone rattling...in my home theater setup I didn't once feel the need for additional subwoofers."*

– Al Griffin, *Sound & Vision*

*"...incredibly transparent rendering of vocals... cymbals and piano had a crisp airy presentation and a vibraphone floated across the stage in a strikingly 3 D manner..."*

– Al Griffin, *Sound & Vision*

*"It was in a home cinema environment where I really appreciated the extra placement flexibility..."*

– Dennis Burger, *HomeTheaterReview.com*

### SOME OF GOLDENEAR'S EXTRAORDINARY SERIES OF AWARDS



## TRITON ONE.R TOWER WITH BUILT-IN 1600-WATT POWERED SUBWOOFER

The **Triton One.R** is an evolutionary speaker that builds upon all the advanced technologies that have made the Tritons famous. Perfect for two-channel music or multi-channel music and home theater, **The One.R** is a sleek 54" tall tower that, like the **Triton Reference**, **Triton Two+** and **Triton Three+**, houses a superb built-in powered subwoofer. **The One.R**'s powered subwoofer section consists of three forward-facing 5" x 9" quadratic sub-bass drivers in a semi-line-source array configuration (for less deleterious room interaction and more effective coupling of the low-frequency energy to the room), driven by a new 56 bit DSP-controlled 1600 watt SuperSub Class D digital amplifier. The GoldenEar designed amp has a Programmable Logic Device based state machine with nearly instantaneous 278 ns update time to perfectly manage a myriad of functions including soft-clipping, DC offset control, output-stage saturation control, discrete multi-band limiting and phase perfect crossover to the midrange. The active sub-bass drivers are coupled to two pairs of horizontally-opposed, inertially-balanced 7" x 10" planar sub-bass radiators, which are located on the sides of the cabinet and down near the floor boundary for optimum bass coupling to the room.

*"The powerful sense of atmosphere that the One.R speakers conveyed conjured up memories of my time with the Triton Reference, which had a similarly vivid and realistic presentation."*

– Al Griffin, *Sound & Vision*

Our newly developed Frequency Dependent Bass Loading Technology, utilizing open-cell polyurethane foam damping pads, as well as special hollow-fiberfill, further optimizes low-frequency performance. GoldenEar founders Sandy Gross and Don Givogue pioneered the concept of built-in powered subwoofers in 1995 and have been refining it ever since. Although the elimination of separate subwoofer boxes from the listening room is certainly a desirable benefit, the real reason for building in the subs is the achievement of far superior integration of the low frequencies with the rest of the loudspeaker system. While clearly important for movies, this is a tremendous benefit and absolutely critical for music. Having the built-in powered subwoofer section also has the significant benefit of giving tremendous flexibility in amplifier choices, since the bass is powered internally and doesn't require external amplifier power. Everything from low powered tube single ended triode amps, to a good receiver, to mega-watt solid state behemoths, will deliver exceptional performance with the **Triton One.Rs**.

The upper-bass/midrange and high frequencies are perfectly handled by a D'Appolito Array of two GoldenEar engineered spider-leg, cast-basket (for improved rear flow through and minimal reflection) 5-1/4" drivers that surround our signature High Velocity Folded Ribbon (HVFR™) tweeter. The bass/mid drivers incorporate our unique Multi-Vaned Phase Plug, which combined with our proprietary cone shape, assures smooth extended response out to 20kHz, well beyond their crossover point. A new focused field magnet structure, developed for

the Triton Reference, has been incorporated for improved control. Our extraordinary High-Gauss Reference HVFR tweeter, which generates high-pressure by squeezing the air, rather than pushing and pulling it like conventional domes or ribbons, achieves an exceptional impedance match to the air for smooth response extending beyond 35kHz, without the break-up modes and zingy sounding distortion common to other tweeter types. Greater control also results in improved dynamic range. A unique new crossover network, incorporating a special balanced topology (which reduces stray capacitance in the magnetic circuit), precision film capacitors and special internal wiring, perfectly blends the drivers for seamless homogeneous sound, also a GoldenEar hallmark.

The cabinet itself builds upon the superb construction of the **Triton Two**, incorporating even thicker cabinet walls and baffles, improved bracing and additional damping; all optimized with advanced accelerometer analysis at our engineering facility. The sleek, narrow cabinet, with its non-parallel walls (which dramatically reduce internal reflections and standing waves), is not only a gorgeous form factor, but results in noticeable performance benefits including very low coloration as well as the superior box-less imaging that all GoldenEar speakers are justifiably famous for. The dual discrete midrange chambers are quite large, allowing for a very low, 100 Hz., crossover point between the sub-bass and upper-bass/midrange, which also yields important sonic benefits. In addition, the precisely angled rear cabinet walls of the midrange chambers dramatically cut down and smooth internal reflections to further eliminate midrange coloration. Of course, our advanced anechoic chamber, which is a duplicate of the famous chamber at the Canadian NRC, was fully utilized in the development process, along with untold hours dedicated to the voicing process.

The result is a superb reference home audio and home theater loudspeaker, already honored with multiple prestigious industry awards, that has performance equal to, and in many cases surpassing, speakers selling for ten times its cost. Remarkably precise 3D imaging with a huge soundstage of exceptional height, depth and breadth is a notable characteristic of the **Triton One.R**. And, of course, a pair's dual powered subwoofers deliver remarkably deep, tight, bass performance, perfect for music as well as dynamic home theater; bass that is superior to separate subwoofers that are alone priced higher than the complete **Triton One.R** loudspeaker.

### SPECIFICATIONS\*

Dimensions: Speaker: 8" (20.3 cm) W x 16-5/8" (42.3 cm) D x 54" (137.2 cm) H (is with base installed, no spikes) Base: 12-3/8" (31.4 cm) W x 19-13/16" (50.3 cm) D  
Frequency Response: 13 Hz – 35 kHz. Efficiency: 92 dB.  
Nominal Impedance: Compatible with 8 ohms. Driver Complement: Three 5"x9" long-throw subwoofers coupled to Four 7"x10" quadratic planar infrasonic radiators, Two 5-1/4" high-definition cast-basket mid/bass drivers, One High-Gauss Neodymium High-Velocity Folded Ribbon (HVFR) Tweeter. Rec. Amp: 20 – 650 Watt/channel.  
Built-In Subwoofer Power Amplifier: 1600-Watt SuperSub Subwoofer digital/DSP amplifier.

*\*Specifications are subject to change without notice.*

## TRITON ONE.R RECOMMENDED SYSTEM COMPONENTS

GoldenEar TritonCinema systems consist of a pair of Triton Towers, a SuperSat or SuperCenter center channel and two or more SuperSats, Aons or Invasas used as surrounds and/or height channels. Invasas are also perfectly matched for use as ceiling mounted height channels in advanced state-of-the-art no-compromise Atmos systems. Some advanced systems use Triton Towers as surrounds. Also, if desired, you can certainly add additional subwoofers, although the Triton One.R's built-in subs are more than superior for most installations. Remember, GoldenEar engineers voice all of our speakers to the same high standards, so you can mix and match and always achieve perfect results.

### CENTER CHANNELS

SuperCenter Reference, SuperCenter XL, SuperCenter X, SuperSat® 60C, SuperSat 50C

### SURROUNDS or HEIGHT CHANNELS

Aon 3, Aon 2, SuperSat 3, SuperSat 50, SuperSat 60, Invisa® SPS, Invisa HTR 7000, Invisa MPX, Invisa 650, Invisa 525

### THE TRITONS HAVE TRIUMPHED!

- Stereophile Class A Full-Range Loudspeaker: *Stereophile*
- Best Home Theater Speaker System: *Secrets of Home Theater*
- Loudspeaker of the Year: *Sound+Image, Australia*
- Editors Choice Award: *The Absolute Sound*
- Top Pick of the Year: *Sound & Vision*
- HomeTheaterReview Best of Award: *HomeTheaterReview.com*
- Loudspeaker of the Year: *Secrets of Home Theater*
- Floorstanding Loudspeaker of the Year - *Soundstage!*
- Best Floorstanding Speaker Award: *Secrets of Home Theater*
- Product of the Year Award: *Audiobolies*
- Loudspeaker of the Year: *Stereophile*
- Editor's Choice Award: *Digital Trends*
- Product of the Year: *The Absolute Sound*
- Product of the Year: *Sound & Vision*
- Affordable Loudspeaker of the Year: *The Absolute Sound*
- Affordable Floorstanding Speaker of the Year: *HomeTheaterReview*
- Speaker of the Year: *What HiFi*
- Editor's Choice Greatest Overachiever: *The Perfect Vision*

### Models Shown in this 5.1.2 Home Theater System:

Triton One.R, SuperCenter Reference, SuperSat 3, Invisa HTR 7000

## STATE-OF-THE-ART GOLDENEAR TECHNOLOGY DRIVERS



### HIGH-GAUSS NEODYMIUM REFERENCE HIGH-VELOCITY FOLDED RIBBON (HVFR) TWEETER

- Tweeter Diaphragm is a High Temperature Film
- 50% Larger High-Power Neodymium Magnet
- Squeezes/Pressurizes Air Instead of Pushing It
- Greater Control, Smoother and More Extended Response
- Vanishingly Low Distortion
- Dramatically Improved Dynamic Range and Detail
- Superb Dispersion Characteristics



### HIGH-DEFINITION 5.25" CAST-BASKET REFERENCE BASS/MIDRANGE DRIVERS WITH FOCUSED FIELD MAGNET STRUCTURES

- GoldenEar Multi-Vaned Phase Plug (MVPP) Design
- Rigid Free-Flow Cast-Basket Chassis
- Proprietary Computer Optimized Cone Topology
- High-Gauss Magnet Assembly
- 1" High-Temperature Film Voice Coil Former
- Extremely Extended Resonant-Free Linear Frequency Response Characteristics



### 5" X 10" LONG-THROW QUADRATIC REFERENCE SUB-BASS DRIVERS

- Ultra-Long Throw
- Glass Fiber and Nomex® Composite Cone
- Huge, High-Gauss Magnet Assembly
- 1.5" High-Temperature Aluminum Voice-Coil
- Quadratic Cone Topology for Maximum Cone Surface Optimization



### 7" X 10" QUADRATIC PLANAR INFRASONIC RADIATORS

- Four Quadratic Planar Radiators
- Pressure-Coupled Loading Extends Usable Bass Performance to the Infrasonic Region
- Performs Like a Well-Tuned Transmission Line but with Superior Transient Performance and Control
- Inertially-Balanced Opposing Design

**GoldenEar Technology®**  
 "We Make High End Affordable"™  
[www.goldenear.com](http://www.goldenear.com)

PO Box 141, Stevenson, MD 21153 (410) 998-9134

