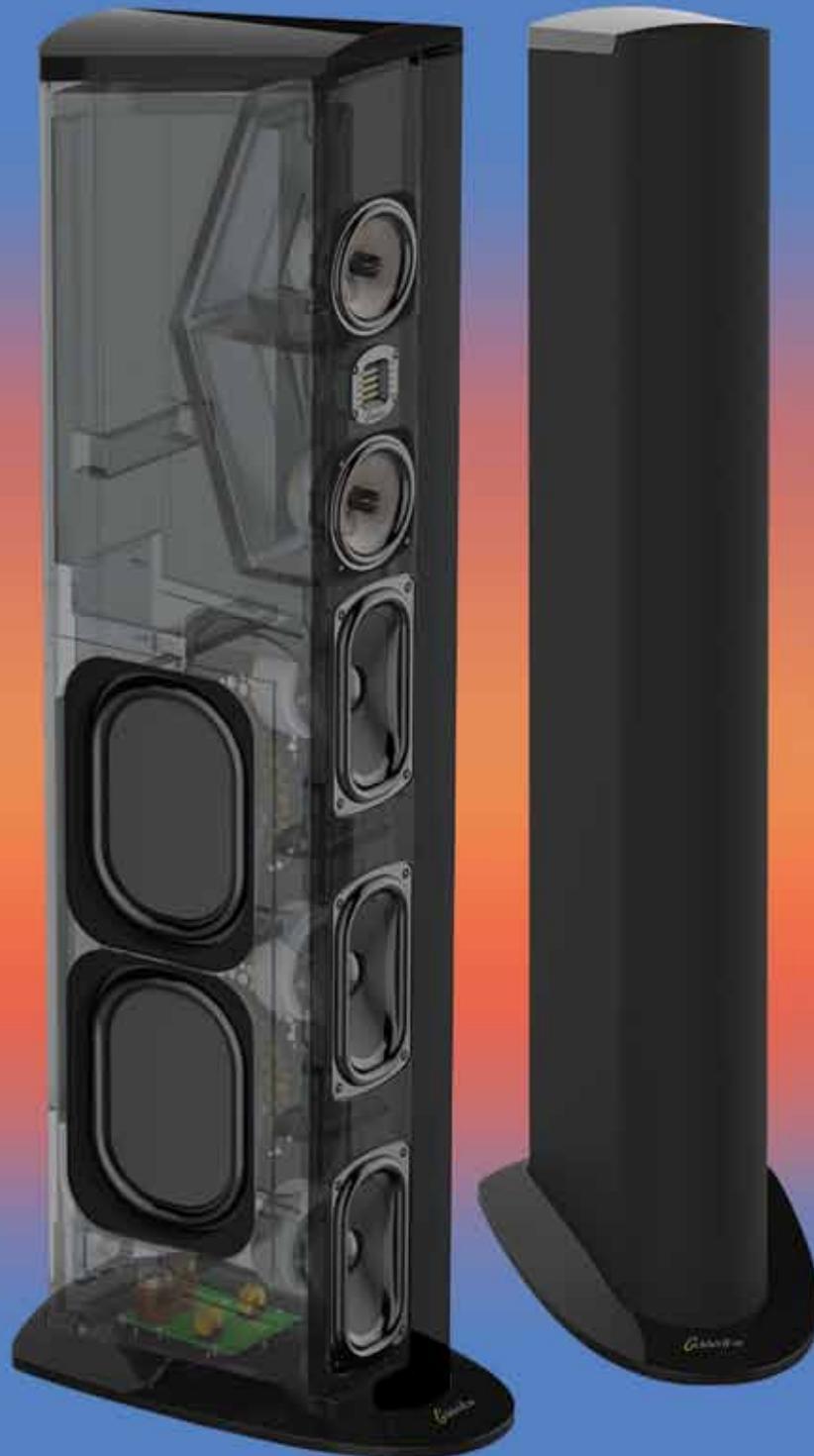


# GoldenEar Technology Proudly Introduces Our Extraordinary New Triton One Flagship

*“Revelatory ... Cosmically Orgasmic ... a Magnificent Magnum Opus ...  
These Speakers Absolutely Embalm the Competition”* – Darryl Wilkinson, *Sound & Vision*



## THE CUTTING-EDGE TECHNOLOGY BEHIND THE TRITON ONE

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

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

High-Velocity Folded Ribbon Tweeter (HVFR) w/ Zobel Network

Open-Cell Polyurethane Foam Damping Pads and Complex Internal Bracing

Three 5" x 9" Quadratic Sub-Bass Drivers in Semi-Line-Source Array

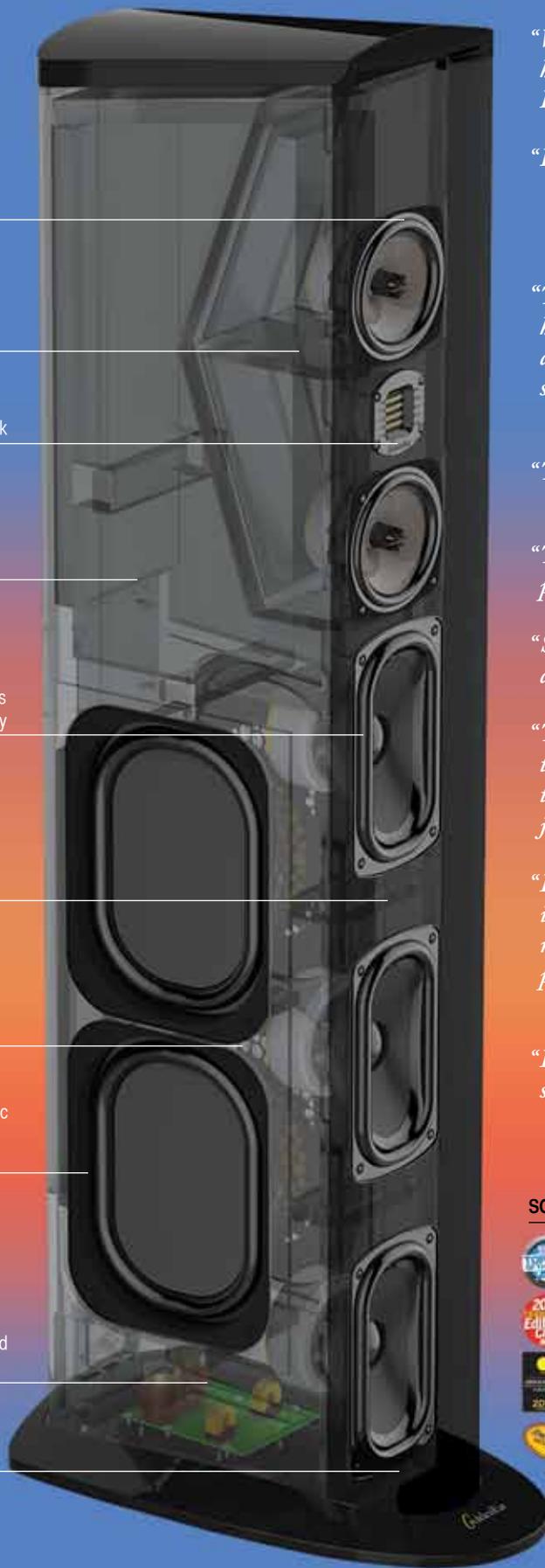
Hybrid Phase-Perfect Electronic/Passive Low Frequency Crossover

Linear-Phase Fully Balanced Crossover Network

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

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

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



*"With Triton Ones, GoldenEar Technology has fully ushered in the Golden Age of the Loudspeaker"*

– Darryl Wilkinson, *Sound & Vision*

*"Best Sound for the Money at CES 2014"*

– Jonathan Valin, *The Absolute Sound*

– Kirk Midskog, *The Absolute Sound*

– Neil Gader, *The Absolute Sound*

*"The Ones create a huge wall of sound ... best high-end value CES 2014 ... Sandy has created a speaker that defies its price point and certainly stands alongside those [\$50,000] super speakers"*

– John Sciacca, *Residential Systems*

*"The new Triton One sounded awesome"*

– Geoff Morrison, *Forbes Magazine*

*"The Triton One creates visceral, tangible waves of pure audio bliss"*

– Dennis Burger, *HD Living*

*"Stunning realism ... the sound was truly grand and majestic"*

– Roger Kanno, *Soundstage! Global*

*"The Triton One sounded better than some speakers that cost ten times more ... the price of entry to the top tier of audiophile speaker performance just dropped dramatically"*

– Mark Henninger, *AVS*

*"Even with your eyes open, it's practically impossible to make yourself realize that you're not listening to living, breathing human beings playing actual instruments in front of you."*

– Darryl Wilkinson, *Sound & Vision*

*"It is an absolute marvel ... Triton One shames some speakers costing ten times as much."*

– Caleb Denison, *Digital Trends*

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



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

The **Triton One** 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** is a sleek 54" tall tower that, like the **Triton Two** and **Triton Three**, houses a superb built-in powered subwoofer. **The One's** powered subwoofer section consists of three forward-facing 5"x9" 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 ForceField 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"x10" 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.

*"It provides extraordinary sound quality and value for the money ... The Triton Ones are one of the best buys in speakers I've had the chance to hear at anything like their price. They have all-or more-of the features and technology that anyone looking for specsmanship could want, but their real merit is that they provide sustained musical pleasure with exceptional realism. Highly recommended"*

— Anthony Cordesman, *The Absolute Sound*

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 Ones**.

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. Our extraordinary 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 by the prestigious 2014 CES Innovations Design and Engineering Award, 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**. 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** loudspeaker.

### SPECIFICATIONS:

**Dimensions:** Speaker: 5-3/4" W (front) x 8" W (rear) x 16-5/8" D x 54" H (w/ base)  
Base: 12-1/4" W x 19-3/4" D. **Frequency Response:** 14 Hz – 35 kHz. **Efficiency:** 92 dB.  
**Nominal Impedance:** Compatible with 8 ohms. **Driver Complement:** Three 5"x9" long-throw quadratic sub-bass drivers coupled to Four 7"x10" planar infrasonic radiators, Two 5-1/4" high-definition cast-basket MVPP mid/bass drivers, One High-Velocity Folded Ribbon (HVFR™) Tweeter. **Rec. Amp:** 20 – 650 Watt/channel.  
**Built-in Subwoofer Power Amplifier:** 1600-Watt ForceField digital/DSP amplifier.

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



## TRITON ONE 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 Invas used as surrounds and/or height channels. Invas 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'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 X, SuperCenter XL, SuperSat® 50C, SuperSat® 60C

### SURROUNDS or HEIGHT CHANNELS

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

### THE TRITONS HAVE TRIUMPHED!

- Audio Product of the Year: *Sound & Vision*
- Affordable Loudspeaker of the Year: *The Absolute Sound*
- Affordable Floorstanding Speaker of the Year: *Home Theater Review*
- Speaker of the Year: *What HiFi*
- Editor's Choice Greatest Overachiever: *The Perfect Vision*
- Top Pick of the Year: *Home Theater Magazine*
- Product of the Year: *Electronic House*
- Editors' Choice: *The Absolute Sound*
- Recommended Component: *Stereophile*
- Best Sound for the Money CES 2014: *The Absolute Sound*
- Best Sound for the Money CES 2013: *The Absolute Sound*

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



### HIGH-VELOCITY FOLDED RIBBON TWEETER (HVFR)

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



### 5.25" HIGH-DEFINITION BASS/MIDRANGE DRIVER

- 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 Kapton Former Voice Coil
- Extremely Extended Resonant-Free Linear Frequency Response Characteristics



### 5" X 9" QUADRATIC SUB-BASS DRIVER

- 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



### QUADRATIC PLANAR INFRASONIC RADIATOR

- 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

**GoldenEar Technology**

[www.goldenear.com](http://www.goldenear.com)

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

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