

World Premier of GoldenEar Triton One.R at CES 2019

(November 29, 2018 – Baltimore, MD) GoldenEar Technology is pleased to announce the introduction of the new Triton One.R. This extraordinary new reference quality loudspeaker is a smaller, less expensive follow up to the Triton Reference, which has had a remarkable response in the marketplace from both music and hifi enthusiasts as well as the press and reviewers from around the world, who have bestowed upon it innumerable Speaker-of-the-Year and Product-of-the-Year awards.

The goal of the Triton One.R project was to bring the advanced technology, luxurious cosmetics and state-of-the-art performance of the flagship Triton Reference into a more compact and less expensive speaker. Its monocoque cabinet is constructed of multi-density medite, engineered with the goal of making it as non-resonant and inert as possible, thus eliminating extraneous vibration that could detract from the pure sound of the drivers. To do this, an elaborate system combining bracing and damping pads, optimized with the use of an accelerometer-generated cumulative spectral decay analysis, is utilized. The baffle is as narrow as possible, minimizing diffraction issues, which is effective in helping to make the cabinet disappear, both sonically and visually. The sides of the speaker are not parallel, in order to minimize internal reflections, which again, purifies the sound. Similarly, the separate, internal enclosure that houses the upper-bass/midrange drivers is designed with no parallel walls, for the same purpose. The chamber is filled with an inert mixture of Dacron and long fiber wool in order to critically dampen it. We have an integral built-in high-powered subwoofer in order to better integrate it with the rest of the loudspeaker. Also, utilizing its 56-bit DSP gives us the ability to dramatically flatten and extend the low frequency response (much deeper than achievable in an enclosure this size with a passive bass section), as well as to enable us to achieve near ideal blending of the bass section with the rest of the system, especially in terms of phase response.



There are three newly designed racetrack shaped active subwoofer drivers on the front of the cabinet, which have special polymer impregnated nomex cones, in order to minimize cone breakup when strongly driven. Huge magnet structures are utilized in order to better control cone movement and improve transient response. There are four quadratic planar infrasonic radiators. They extend the low frequency response and are inertially balanced (two on each side) in order to minimize cabinet movement, resulting in clearer, more detailed sound. The High Velocity Folded Ribbon tweeter, the same as used in the Triton Reference, is a new design that incorporates 50% more neodymium magnet material than previous units, for higher efficiency and greater control. The folded ribbon technology combines improved impedance coupling to the air of horn drivers (for greater efficiency), with the superior transient response and lack of coloration of ribbon drivers, and the dispersion of dome drivers. The two 5.25" upper bass/midrange drivers are also new, incorporating a special formulation of polypropylene, which combines superior internal damping with a high speed of transmission through the cone (Young's Modulus). A new focused field magnet structure, developed for the Triton Reference, has been incorporated for improved control. A unique "balanced" crossover, with a floating configuration, places components on both sides of the drivers, which has an improvement in sound quality that cannot be measured but can be clearly heard. Very high-quality bridging capacitors, as used in the Triton Reference, are also used. New internal speaker wire, which has a unique twist, as in the Triton Reference, is used with an advanced new topology. Careful attention in the development process is paid to critical measurements, conducted in our own large-scale anechoic chamber, as well as long listening and voicing sessions in the listening room, with all kinds of music. Voicing has been painstakingly worked on to mirror that of the Triton Reference.

The gorgeous cabinet is painstakingly finished in hand-rubbed piano black lacquer. It presents itself as an exquisite, sleek, ultra-high-performance lifestyle loudspeaker that delivers extraordinary sound quality comparable with speakers selling for many times the Triton One.R's remarkably affordable \$2999 US/each price. The Triton One.R is shipping now.

Triton One.R Specifications

Speaker Dimensions:

8" (20.3 cm) W x 165/8" (42.3 cm) D x 54" (137.2 cm) H (is with base installed, no spikes)

Base: 123/8" (31.4 cm) W x 1913/16" (50.3 cm) D | Weight: 80 lbs (36.3 kg)

Frequency Response: 13 Hz - 35 kHz | Efficiency: 92 dB | Nominal Impedance: Compatible with 8 ohms

Driver Complement:

Three 5" x 9" long-throw subwoofers coupled to

Four 7" x 10" quadratic planar infrasonic radiators

Two 5-1/4" high-definition cast-basket mid/bass drivers

One High-Gauss Neodymium Reference High-Velocity Folded Ribbon (HVFR) Tweeter

Rec. Amplification:

20 - 650 watt/channel

Built-In Subwoofer Power Amplifier:

1600-Watt SuperSub Subwoofer digital/DSP amplifier

Power Requirements/Consumption:

120 Volt at 50 or 60 Hz / 1600 Watts | 240 Volt at 50 or 60 Hz / 1600 Watts

(Approved for NA (TUV) and the CE market.)

For more information about GoldenEar Technology, visit our website at www.goldenear.com.