

Ultra Evolution Speaker Features & Specifications

Ultra Evolution Nano Specs:

Acoustic

- In-room Frequency Response: 44Hz to 40kHz (+/-3 dB)
- Nominal Impedance: 6 ohms
- Sensitivity: 85dB @ 1 meter full-space, 300Hz – 3kHz
- Recommended amplifier power: 20 – 150 watts

Speaker

- Bookshelf Loudspeaker
- Piano gloss black, piano gloss white, real black oak veneer finish options
- Gold-plated 5-way binding posts
- 1.6" wide-flared rear-firing ports
- Cloth grille with magnetic retention system
- Elastomer stick-on bumper feet
- Cabinet Dimensions: 12.2" (H) x 7.48" (W) x 9.21" (D) / 310mm (H) x 190mm (W) x 233.9mm (D)
- Overall Dimensions: 12.36" (H) x 7.48" (W) x 9.57" (D) / 314mm (H) x 190mm (W) x 243mm (D) (includes grille, feet, and binding posts)
- Shipped Dimensions (Pair): 12.2" (H) x 25.4" (W) x 16.9" (D) / 310mm (H) x 646mm (W) x 429mm (D)
- Weight Packaged Pair: 31.0 pounds / 14.1 kgs
- Weight Unboxed Each: 13.5 pounds / 6.1 kgs

Drivers

1" Diamond Coated Tweeter

- FEA-optimized Organic Cell Lattice Diffuser for airy, unveiled highs and pristine clarity
- Cutting-edge vapor-deposition grows a hyper-rigid diamond carbon coating on an aircraft-grade aluminum dome, pushing high-frequency extension further beyond human hearing, and delivering best-in-class fidelity, linearity, and transient response
- Silver tinsel for optimal signal transfer and power handling

5.25" Mid-Woofer

- Long stroke motor and suspension for high output
- Composite glass-fiber cone with excellent stiffness/mass ratio for high sensitivity and pistonic behavior beyond pass-band
- Precision-cast aluminum alloy baskets ensure precise alignment of critical components and maximize thermal dissipation
- Vented aluminum voice coil former to maximize thermal control while minimizing air compression artifacts at high drive levels

Crossover

- 2-way crossover with premium-grade capacitors, inductors, resistors, and heavy-trace printed circuit board
- Tweeter-to-Woofer crossover: 1.9 kHz

Cabinet

- Time-aligned cabinet geometry introduces microsecond-level time delays between the drivers, ensuring that the effective-acoustic-center of each driver is equidistant from the listener. The result is improved linearity and directionality throughout the crossover frequencies, and a more accurate soundstage.
- Chamfered front baffle and flush-mounted drivers reduce edge diffraction and improve on-axis and off-axis high-frequency response.
- Extra-thick 1" (25mm) driver baffle ensures a rigid, resonance-free mounting for all drivers.
- FEA-optimized ¾" (18mm) cabinet construction, bracing, and acoustic insulation eliminate acoustic and structural resonances, ensuring an inert enclosure and an uncolored response, even at the highest drive levels.

Crossover & Cabinet