

Ultra Evolution Speaker Features & Specifications

Ultra Evolution Center Specs:

Acoustic

- In-room Frequency Response: 40Hz to 40kHz (+/-3 dB)
- Nominal Impedance: 6 ohms
- Sensitivity: 87dB (2.83V @ 1 meter full-space, 300Hz – 3kHz)
- Recommended amplifier power: 20 – 225 watts

Speaker

- Center Channel Loudspeaker
- Piano gloss black, piano gloss white, real black oak veneer finish options
- Dual gold-plated 5-way binding posts
- Dual 1.6" wide-flared rear-firing ports
- Cloth grille with magnetic retention system
- Elastomer stick-on bumper feet
- Cabinet Dimensions: 7.68" (H) x 22.05" (W) x 11.39" (D) / 195mm (H) x 560mm (W) x 289.4mm (D)
- Overall Dimensions: 7.83" (H) x 22.05" (W) x 11.78" (D) / 199mm (H) x 560mm (W) x 299.2mm (D) (includes grille, feet, and binding posts)
- Shipped Dimensions: 12.0" (H) x 25.8" (W) x 16.3" (D) / 306mm (H) x 655mm (W) x 414mm (D)
- Weight Packaged: 30.9 pounds / 13.6 kgs
- Weight Unboxed: 26.8 pounds / 12.2 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

4.5" Glass Fiber Composite Midrange Driver

- 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 Kapton voice coil former is exceptionally lightweight for excellent dynamics and transient response

Dual 6.5" Glass Fiber Composite High-Excursion Woofers

- 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

- 3-way crossover with premium-grade capacitors, inductors, resistors and heavy-trace printed circuit board
- Tweeter-to-Midrange crossover: 2.2 kHz
- Midrange-to-woofer crossover: 450 Hz

Cabinet

- Time-aligned cabinet geometry introduces microsecond-level time delays between the tweeter and midrange, 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.
- Vertically Aligned Tweeter-Midrange array creates perfect on and off-axis frequency response and blending for clear vocals and the largest possible "Sweet Spot" ensuring transparency and clear vocals/dialogue at every listening position.
- Dual 6.5" woofers drive deep, accurate bass for the most demanding center-channel content.
- 4.5" midrange driver in a dedicated acoustic-suspension sub-enclosure ensures pristine midrange output and blending with woofers and tweeter.
- 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, extensive 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