

Project Array™ – 1400 Array

High-performance loudspeaker



The 1400 Array is the top-of-the-line loudspeaker in JBL's Project Array™ lineup. Engineered for superlative sonic performance in the most ambitious home theater and music systems, the 1400 Array's remarkable fidelity and sonic realism is sure to thrill even the most-demanding audiophiles. The 1400 Array utilizes the same 435AL-1 aluminum midrange compression driver found in JBL's ultrahigh-end K2® S5800 Series loudspeaker, paired with an ultrahigh-frequency 045Ti pure-titanium compression driver.

Highlights

- 3" compression driver with aluminum diaphragm
- 1" compression driver with titanium diaphragm
- Classic JBL professional bass drivers
- Unique enclosure
- Seamless system integration
- Top-of-the-line loudspeaker
- Offers sound quality that is truly extraordinary

Key Specifications

- Description: Three-way, 350mm (14") floorstanding speaker
- Frequency response: 32Hz – 40kHz
- Crossover frequencies: 750Hz/8kHz
- Power handling: 300 Watts
- Sensitivity (2.83V@1m): 89dB
- Nominal impedance: 8 Ohms
- Dimensions (H x W x D): 1181mm x 394mm x 483mm (46-1/2" x 15-1/2" x 19")
- Weight: 52kg (115 lb)

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Features

- Three-way floorstanding design featuring:
 - An Aquaplas-treated pulp-cone low-frequency driver with 100mm (4") copper edge-wound voice coil.
 - A 045Ti 25mm (1") pure-titanium ultrahigh-frequency compression driver.
 - A 435AL-1 75mm (3") Aquaplas-treated aluminum-dome high-frequency compression driver.
- The 1400 Array utilizes a 435AL-1 aluminum midrange compression driver with an ultrahigh-frequency 045Ti titanium compression driver. Both drivers are mated to a vertically oriented Bi-Radial® horn. The 435AL-1 uses a 75mm (3") voice coil in a compact neodymium motor assembly that is encapsulated in a Kapton® suspension for unmatched durability. The driver is pneumatically formed from an extremely thin aluminum foil that yields superlative sound quality. The ultrahigh-frequency compression driver features a neodymium magnet and an aluminum edge-wound voice coil directly mounted to a titanium diaphragm to reduce weight and deliver exceptionally detailed, extended high-frequency response with optimal dispersion.
- The loudspeaker employs an LE14 H-1 350mm (14") low-frequency transducer, which is the latest generation of JBL's highly acclaimed LE14 woofer series. This industry-standard transducer employs refinements such as a copper edge-wound voice coil in a 100mm (4") ferrite-magnet motor assembly; a pulp-cone woofer that is treated with a controlled amount of Aquaplas coating to achieve taut, authoritative bass response down to 35Hz; and a specially formulated, high-excursion rubber surround for high-power-handling capability and extended longevity.
- In common with all Project Array loudspeakers (except the 1500 Array), the 1400 Array features a 4th-order crossover network that utilizes low-loss air-core inductors and audiophile-grade polypropylene-dielectric capacitors. A separate crossover network for each transducer minimizes interactions and maintains the purest possible audio quality.
- The 1400 Array brings out the best in the highest-resolution program sources such as DVD-Audio and SACD™, and faithfully reproduces the sonic environment present on the original recording with precise image placement and a realistically scaled, three-dimensional soundstage.

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