

ARCAADIA

The Sound of Nature



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ARCADIA

An Advanced speaker system by B.M.C. Audio



The Arcadia is a balanced bi-polar configuration and is unique in a number of ways. Most conventional speakers have good depth of image in the center of the soundstage, but much less so at the sides. The Arcadia's bi-polar design dramatically improves the soundstage's depth impression at the sides, making the soundstage more complete and realistic. The innovative Megalith cabinet design is elegantly slim with a series of thin raised side panels that emphasize its graceful vertical lines, enabling it to also fit comfortably in normal living environments.

Balanced Megalith Cabinet

The "Megalith" cabinet is made of an exclusive material, a compound of several aluminum-oxide-based ceramics with an acrylic binder. Its stiffness and internal energy loss are far better than is possible with any cabinet made of wood. Resonance-free and rigid, the cabinet is also free from the effects of humidity and thermal elongation. In fact, the fusion of its parts is more like chemical welding, so that it reacts as a single, seamless piece.

The cabinet is sealed, eliminating the bass-reflex resonance that can sound like blowing air into an empty bottle. The power of the drivers and the cabinet's low energy loss more than compensate for any loss of oomph in the sound.



Drivers by B.M.C. Audio

The Arcadia is a balanced speaker, which means the same driver set on the front is also on the rear.

This includes four 6.1-inch honeycomb-Kevlar midrange drivers in a bi-polar configuration. There are also two 11-inch side-firing honeycomb-Kevlar woofers, with each woofer driven by six magnets in a ring configuration for an exceptionally long linear excursion range. The honeycomb-Kevlar cones are light, stiff, and free of resonance and coloration.

Two Air-Motion ribbon tweeters with massive motors and light diaphragms for superb acceleration and high sound pressure capability are also part of the Arcadia bi-polar configuration.

Crossover

The crossover, uniquely, is external, and weighs 37.5 lbs. Being external frees it from internal sound pressures, and makes it easily upgradable with future solutions that improve the sound even further.

Also unconventional, B.M.C. Audio custom crafted all the Arcadia's key elements, including its large air-inductors, inductance-free polypropylene capacitors, unique polystyrene "by-passers", and metal-film resistor arrays, instead of the usual MOX or wire resistors, for superior precision and sound quality.



Specifications:

- 3-way passive bipolar speaker
- Woofer: 2 x 278 mm (11"), Kevlar / Honeycomb cone, 6 magnet drive, 50mm voice coil.
- Midrange: 4 x 155 mm (6.1"), Kevlar / Honeycomb cone
- Tweeter: 2 x Air Motion Transformer, extreme drive motor
- "Megalith" ceramic-composite cabinet
- External Crossover
- Efficiency: 91dB / W / m
- Nominal Impedance: 4 Ohm
- Dimensions bottom (w, h, d): 1200 x 285 x 518 mm (47.2 x 11.2 x 20.4")
- Dimensions top (w, h, d): 1200 x 195 x 518 mm (47.2 x 7.7 x 20.4")
- Weight: 90 kg (198 lbs) each speaker, 17 kg (37.5 lbs) each crossover, 214kg (471 lbs) set weight



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