

## Install Version



The MacPherson AXIA is a compact, high-fidelity loudspeaker designed to reproduce music and speech with a clear, natural sound. A 3-way bi-amp system, the AXIA Install Version is optimized for permanent applications. Its 3-way design can be used as a stand-alone loudspeaker or coupled together to form a powerful broadband vertical line array. This technique of combining cabinets has been proven to provide a nearly seamless wave front. This wave front is void of the negative interaction found in traditionally arrayed systems. The AXIA drivers are aligned within the cabinet to couple precisely with adjacent cabinets. This close coupling has made it possible to use front-loaded components and still project high sound pressure levels at a considerable distance. The result is that fewer AXIA cabinets can be used to provide coverage equaling a much larger and heavier system.

A common trait shared throughout the MacPherson product line is the natural reproduction of the vocal range. The AXIA continues this tradition, using front-loaded, direct-radiating cone drivers to eliminate the harshness and "honk" associated with horn-loaded mid-range devices. The addition of a slot-CD horn flare in the high-frequency section produces a wide sound field with breathtaking fidelity.

### Driver Complement

The AXIA cabinet houses one 1000 watt direct-radiating 15-inch LF driver, two 8-inch twin-coil direct-radiating cone MF drivers, and a 2-inch HF compression driver mounted on a 90 x 55-degree slot-CD horn. The hardwood plywood cabinet is constructed using the finest hardware and construction techniques available. The compact footprint and heavily braced internal construction combine to make the AXIA enclosure extremely rigid. This provides the benefit of reducing back-radiating sound to nearly inaudible levels. A textured black lacquer finish and powder-coated steel grill complete the presentation.

### Overhead Suspension

The design of the AXIA Install Version allows for very effective use in overhead suspension applications. As a core part of the design, a steel-to-steel interconnection scheme is maintained. Whether suspending one cabinet or a large line array, the completed installation will provide a clean, simple, and elegant look.

The Overhead Suspension System allows a single cabinet, or the top cabinet in an array, to be suspended from two rated points. The system includes a low-profile flybar, a rear hang assembly, and associated hardware. Multiple cabinets can be connected together using Cabinet-to-Cabinet Link Systems. Each system includes a rear hinge assembly, two link straps, and hardware. The hinges are used to interconnect the rear planes of the cabinets. Angle adjustments between the AXIA cabinets are made using the link straps. This adjustability allows for complex array shapes that support a wide variety of situations.

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| <p><b>Features</b></p> <ul style="list-style-type: none"><li>• Support for overhead suspension</li><li>• High-fidelity detailed concert sound</li><li>• Smooth, natural mid-range</li><li>• Impressive broadband response</li><li>• Can be used individually, in a multiple line array, or deck stacked</li><li>• Ideal for church, theme park, and theater applications</li></ul> |
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### AXIA Install Version Specifications

#### Standard Configuration

AXIA-IN-BI: Bi-amp

#### Frequency Response

±3dB, 50Hz to 17kHz

#### Coverage (between -6dB points)

Horizontal: 90 degrees

Vertical: 55 degrees

#### Nominal Impedance

LF: 8 ohms

MF/HF: 4 ohms

#### Sensitivity

LF: 96dB

MF: 100dB

HF: 106dB

#### Recommended Amplifier Power

LF: 1000 watts

MF/HF: 400 to 600 watts

RMS into 8 ohms

#### Recommended Crossover Point

LF: 170Hz low-pass, 24dB per octave

MF/HF: 275Hz high-pass, 24dB per octave

#### Connectors

Two, Neutrik NL4

#### Enclosure

Hardwood plywood, textured black lacquer finish, powder-coated perforated steel grill with open-cell foam backing

#### Dimensions

18.6 inches high (47.2cm)

38.0 inches wide (96.5cm)

13.2 inches deep (33.5cm)

#### Weight

130.0 pounds (59.1kg)

#### Accessories

Overhead Suspension System

Cabinet-to-Cabinet Link System

#### Warranty

Three years from date of original purchase

Contents subject to change without notice. Dimensions provided for general reference only.

