



MODEL AR1 - Audiophile Series 10 Inch Two-Way STAND ALONE/book shelf type system.

Dimensions: 635 mm (25 inches) high, 431.8 mm (17 inches) wide, 241.3 mm (9.5 inches) depth, including grille. When two or more of these units are mounted against the wall or used as stand alone systems positioned on stands near the wall, they should provide you with an exceptionally wide, and realistic, stereo sound stage.

Woofer: (244 mm 10") high compliance, super long throw, acoustic suspension type woofer. The cone in this unit uses a specially formulated paper, radial ribbed, to maintain a color-free response in the woofer/midrange area. The radial rib design is used to avoid woofer high-frequency breakup. The ribs provide additional stiffness to the cone to stop top end woofer ringing, and to control midrange and woofer/tweeter phase response. Also a long voice coil winding length is used to provide low distortion and deep base response. To maintain a high standard of quality control, we found it necessary to design and scrutinize carefully our own 10 inch woofer. Incorporating a 50 oz. ceramic magnet, this woofer magnet produces an air-gap flux-density of approximately 10 kilogauss. For increased power handling capability, we employ a long 2-layer, 1.5" (38 mm) diameter voice coil wound with #27 high temperature gauge wire. In order to ensure maximum extended deep bass response with minimal distortion, the woofer was designed with vented pole piece, in order to utilize the volume under the dust cap normally thrown away by most manufacturers. Impedance: 4 ohms \pm .50 ohms from 100 Hz to 20 KHz with controls in fully clockwise position. Efficiency: Average sensitivity is 88 DB at 1 meter with 1 watt input into 4 ohms. In-box resonance: Nominally 32 Hz. Nominal Low-frequency response: 3 DB down-point at 32 Hz. Response: less than +1.5

DB, -2 DB from 45 Hz to 30 KHz, measured outdoors in a 2 (pi) environment. System Q: Nominally .7. Volume of enclosure: Inside dimensions 2.06 cubic feet, including stuffing. Weight: Packed in carton 20.8 Kg (45.9 lb.) (one speaker per box); unpacked 19.4 Kg (42.8 lb.).

MODEL AR2 - Audiophile Series 8 Inch Two-Way STAND ALONE/book shelf type.

Dimensions: 482.6 mm (19 inches) high, 279.4 mm (11 inches) wide, 215.9 mm (8.5 inches) depth, including grille. When two or more of these units are mounted against the wall or used as stand alone systems positioned on stands near the wall, they should provide you with an exceptionally wide, and realistic, stereo sound stage.

Woofer: (203.2 mm 8") high compliance, super long throw, acoustic suspension type woofer. The cone in this unit uses a specially formulated paper, radial ribbed, to maintain a color-free response in the woofer/midrange area. The radial rib design is used to avoid woofer high-frequency breakup. The ribs provide additional stiffness to the cone to stop top end woofer ringing, and to control midrange and woofer/tweeter phase response. Also a long voice coil winding length is used to provide low distortion, and deep base response. Impedance: 4 ohms \pm .50 ohms from 100 Hz to 20 KHz with controls in fully clockwise position. Efficiency: Average sensitivity is 88 DB at 1 meter with 1 watt input into 4 ohms. Nominal Low-frequency response: 3 DB downpoint at 42 Hz. Response: +1.5 DB, -2 DB from 45 Hz to 30 KHz, measured outdoors in a 2 (pi) environment. System Q: Nominally .7. Volume of enclosure: Inside dimensions .80 cubic feet, including stuffing. Weight: Packed in carton 11.79 Kg (26 lb.) one speaker per box; unpacked 9.97 Kg (22lb.)



MODEL AR4 - Audiophile Series 6 Inch Two-Way Satellite/STAND ALONE (European Model C 1.5)

Dimensions: 355.6 mm (14 inches) high, 279.4 mm (11 inches) wide, 215.9 mm (8.5 inches) depth, including grille.

Woofer: 165.1 mm (6.5") high compliance, long throw, acoustic suspension type woofer. Incorporating a .34 Kg (.75 lb.) ceramic magnet, this woofer magnet produces an air-gap flux-density of approximately 10 Kilogauss. For increased power handling capability, we employ a long 4-layer, 1" (25.5 mm) diameter voice coil wound with #28 high temperature gauge wire. In order to ensure maximum extended deep bass response with minimal distortion, the woofer was designed with a vented pole piece, in order to utilize the volume under the dust cap normally thrown away by most manufacturers. This also allows us in



this 6" woofer to extend the free air resonance to a nominal 25 Hz, so that in the completed system more than 80% of the total suspension stiffness is contributed by the air that is sealed inside the enclosure. The cone in this unit uses a specially formulated paper, to maintain a color free response in the woofer midrange area. Also a long voice coil winding length is used to provide low distortion, and deep base response. Impedance: 4 ohms + .50 ohms from 100 Hz to 20 KHz with controls in fully clockwise position. Efficiency: Average sensitivity is 88 DB at 1 meter with 1 watt input into 4 ohms. Nominally Low-frequency response: 3 DB down-point at 52 Hz. Response: +1.5 DB, -2 DB from 58 Hz to 30 KHz, measured outdoors in a 2 (pi) environment. System Q: Nominally .7. Volume of enclosure: Inside dimensions .55 cubic feet, including stuffing. Weight: Packed in carton 11.79 Kg (26 lb.) (one speaker per box); unpacked 9.97 Kg (22 lb.). Weight:

MODEL AR3 - Audiophile Series 6 Inch Two-Way Satellite/ STAND ALONE

Dimensions: 482.6 mm (19 inches) high, 279.4 mm (11 inches) wide, 88.9 mm (3.5 inches) depth, including grille. When two or more of these units are mounted against the wall or used as stand alone systems positioned on stands near the wall, they should provide you with an exceptionally wide, and realistic, stereo sound stage. This speaker was designed to provide the listener with the highest quality of sound and to be also decoratively available to go in most living rooms without any degradation of musical reproduction.

Drive unit: 165.1 mm (6.5") high compliance, long throw, acoustic suspension type woofer. The cone in this unit uses a specially formulated radial ribbed paper, to maintain a color-free response in the woofer/midrange area. Also a long voice coil winding length is used to provide low distortion, and deep base response. Impedance: 4 ohms \pm .50 ohms from 100 Hz to 20 KHz with control in fully clockwise position. Efficiency: Average sensitivity is 88 DB at 1 meter with 1 watt input into 4 ohms. In-box resonance: Nominal Low-frequency response: 3 DB downpoint at 62 Hz. Response: +1.5 DB, -2 DB from 65 Hz to 30 KHz, including stuffing. Weight: Packed in carton 11.79 Kg (26 lb.) (one speaker per box); unpacked 9.97 Kg (22 lb.)

