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3D Immersive Sound



2 way surround cinema speaker for 3D immersive systems

A1010

The A1010 is a surround high-end cinema speaker, designed to reproduce lateral and rear channels within a 3D immersive system.

The A1010 can eventually be assisted with DK Audio bass reinforcement module. Equipped with a low-mid frequencies 10" (26 cm) loudspeaker, and a 1" high frequency driver with a linear directivity horn.

A1010 only requires a single amp channel and performs with or without additional processor.

The A1010 can be assisted with DK Audio extra-thin bass reinforcement modules: R15 (34,5 cm depth) or R212 (17 cm depth) or either R18EXP (34 cm depth).

Musicality, precision and dynamics are merged with an excellent performance and a wide range of allowable power. This allows A1010 to easily reproduce the most sophisticated and constraining sound messages with a studio audio quality.

Its design and ergonomics fits with the immersive 3D audio whitepapers, and thus offers $\pm 55^\circ$ horizontal tilt and $\pm 20^\circ$ vertical tilt.

The top of the enclosure, strictly perpendicular to its front, allows the use of a laser pointer for a best accurate orientation.

Orientation pitch: 1.5° vertical and 2° horizontal.

A1010 is available in 3 versions: A1010C, A1010E et A1010F



TECHNICAL SPECIFICATIONS A1010C

Frequency response (± 3 dB): 60 Hz - 20 kHz

Usable bandwidth (-10dB): 50 Hz - 21 kHz

Efficiency (2,83 Vrms @ 1m): 98 dB

AES power capacity: 300 W

RMS power capacity: 270 W

Advisable amplification: 50 to 700 W

Maximum calculated SPL: 121 dB

Peak calculated SPL: 127 dB

Impedance: 8 Ω

Directivity (-6dB): 90° x 40°

Filtering: 800 Hz passive

TECHNICAL SPECIFICATIONS A1010E

Frequency response (± 3 dB): 65 Hz - 19 kHz

Usable bandwidth (-10dB): 55 Hz - 20 kHz

Efficiency (2,83 Vrms @ 1m): 97 dB

AES power capacity: 220 W

RMS power capacity: 200 W

Advisable amplification: 50 à 500 W

Maximum calculated SPL: 118 dB

Peak calculated SPL: 124 dB

Impedance: 8 Ω

Directivity (-6dB): 90° x 60°

Filtering: 1,2 kHz passive



Auditorium Michel D'Ornano - C.I.D. Deauville

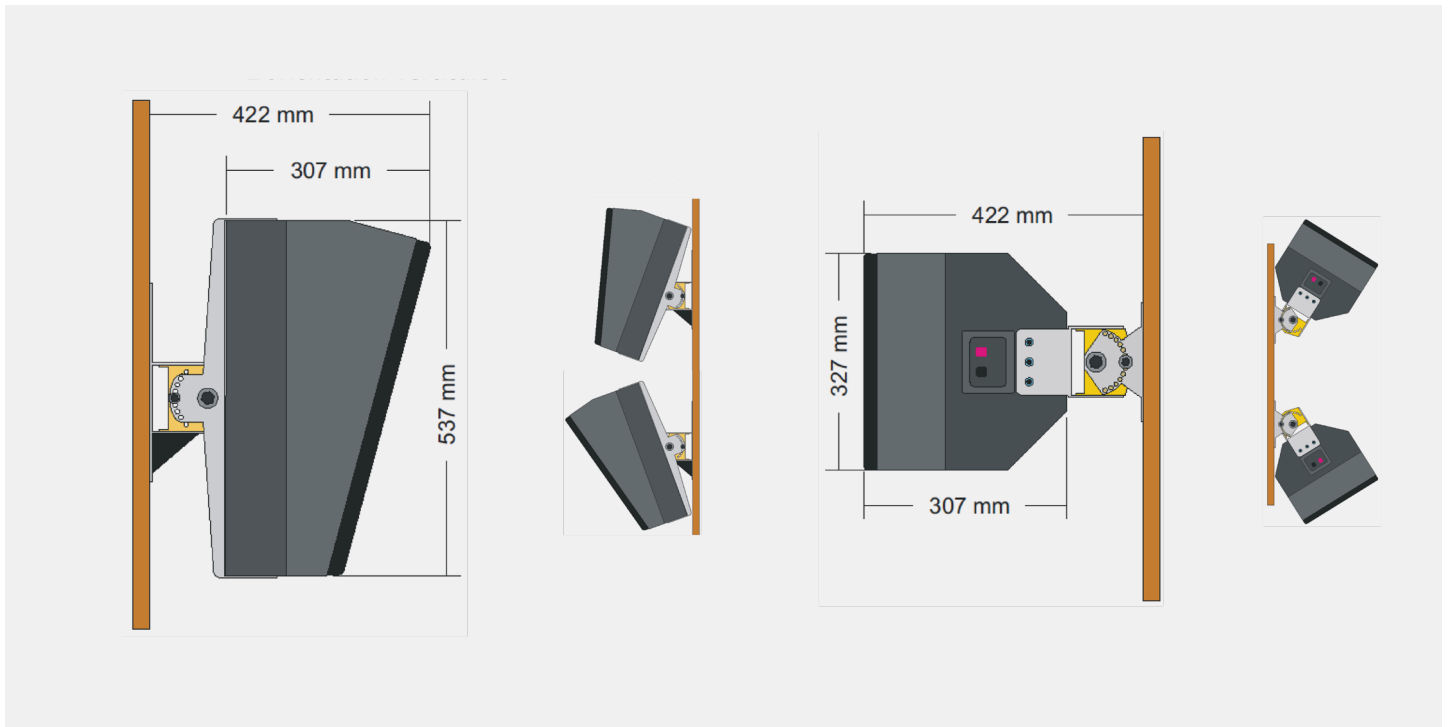
TECHNICAL SPECIFICATIONS A1010F

Frequency response (± 3 dB): 60 Hz - 21 kHz
Usable bandwidth (-10dB): 50 Hz - 22 kHz
Efficiency (2,83 Vrms @1m): 101 dB
AES power capacity: 465 W
RMS power capacity: 420 W
Advisable amplification: 50 à 1000 W
Maximum calculated SPL: 126 dB
Peak calculated SPL: 132 dB
Impedance: 8 Ω
Directivity (-6dB): 90° x 40°
Filtering: 800 Hz passive

PHYSICAL SPECIFICATIONS

Dimensions HxWxD (mm): 537 x 327 x 307
Dimensions with bracket (mm): 543 x 327 x 422
Material: 16mm medium wood
Finishing: Black textured paint
Connectors: Universal terminal block
Hanging/Tilting: 3-parts fully tiltable bracket
 $\pm 58^\circ$ horizontal, $\pm 20^\circ$ vertical
Additional anchors: No
Front mask: Black textile (Jersey) on wooden frame
Tiltable bracket: 30/10 steel, black satin oven-baked paint
A1010C weight: 14.65Kg (excl. bracket)
A1010E weight: 14.05Kg (excl. bracket)
A1010F weight: 19Kg (excl. bracket)

SHAPE DRAWINGS



COMPLEMENTS AND ACCESSORIES

- R15: 15" thin (34.5cm) bass reinforcement
- R212: Twin 12" extra thin (17cm) bass reinforcement
- R18EXP: 18" very thin (34 cm) bass reinforcement
- SUPA1010: Tilttable wall mount (X and Y)



Wall mount



Tilttable wall mount



Bracket



ACOUSTIC EQUIPMENT

- Low/Mid frequency speaker A1010F: 1x10" with a 3" coil: edge-winding copper wire, ferrite magnet.
- Low/Mid frequency speaker A1010C and A1010E: 1x10" with a 2", coil: copper wire, ferrite magnet.
- Mid/High frequency driver: 1x1" with a 1.75" coil: edge-winding flat aluminium wire, polyester membrane, ferrite magnet.
- Horn: 1" with constant directivity.
- Passive filter: Epoxy printed circuit board, plastic-film capacitors, high-quality iron and air chokes, non-inductive wound resistors.