

### Highlights:

- Stereo active speaker system (one active & one passive model)
- 2-way 5 ¼" speaker system
- Recessed mounting bracket
- Remote wall panel input connection (WP2xx series)
- Standby energy saving mode
- Vertical and horizontal mounting
- Stunning designed and elegant looking ABS enclosure

### Product information:

"Sounds versatile"

The ARES5A is a 2-way active speaker system consisting of an active and a passive unit to be linked with each other. It offers an easy and flexible solution for a wide variety of applications. The 2-way loudspeaker is carefully constructed out of high quality components resulting in a 5 ¼" woofer and a ½" high frequency tweeter. This craftsmanship in combination with an integrated DSP is creating an extremely clear and powerful sound experience for a wide range of applications.

The integrated amplifier can deliver a power of 2 x 40 Watt and includes a stereo line input which is implemented balanced and unbalanced, allowing convenient connection to any kind of audio source. Unbalanced audio sources are connected through a 3.5 mm jack connector, while balanced sources can be connected to the terminal block input connection allowing long signal runs without interference. A volume potentiometer allows the user to adjust the level of loudness while the two-band tone control allows equalization of treble and bass. The auto-standby mode reduces power consumption when no input signal is detected. The active speaker includes a stereo amplifier module, also delivering the input signal to the passive unit.

A specially designed bracket system allows close to wall installation of the speakers, while the recessed bracket structure guarantees an optimal cosmetic outlook of the system. The ARES5A can be mounted both horizontally as vertically with an inclination up to 45° on both sides, enabling to position the loudspeaker in the right direction. Due to the fact that the bracket itself consists of 2 45° corners, installation in corners or even ceiling can easily be achieved. The optional MBK455 angled mounting bracket set allows for an extra inclination of 90° when needed.

To ensure optimum safety during and after installation, the ARES is equipped with M6 drop safety.

A remote input connection implemented through an RJ45 connector allows wall panel connections, allowing expansion of the system through remote input modules. A variety of optional remote input units with different input possibilities is available.



### Certification:



### Properties:



## Applications:

- Education
- Retail
- Bars & Restaurants
- Corporate

## Usage:



## System specifications:

RMS/AES power handling			2 x 20 W
Dynamic power			2 x 40 W
Sensitivity (1W/1m)			89 dB
Sound Pressure (Max. W/1m)			105 dB
Frequency	Response ( $\pm 3$ dB)		80 Hz - 20 kHz
Auto Standby mode (ENERGY STAR® compliant)	Standby time		20 minutes
Power	Consumption	Nominal (1/8 MUP)	11.3 W
		Standby	< 0.35 W
Inputs	Balanced Stereo	Connector	2 x 3-pin Euro Terminal Block (Pitch - 3.81 mm)
	Unbalanced Stereo	Connector	3.5 mm Jack (2x)
	Remote	Connector	RJ45
Power	Supply		100 ~ 240 V AC / 50 ~ 60 Hz
	Connector		IEC C7/C8 power inlet
Connectors	Remote control		RJ45
Outputs	Passive loudspeaker		2-pin Euro Terminal Block (Pitch - 5.08 mm)
Drivers	HF		13 mm (PEI tweeter)
	LF		5 1/4" (Polypropylene)
Dispersion	Horizontal		210° (Average -6 dB / 100 Hz - 10 kHz)
	Vertical		205° (Average -6 dB / 100 Hz - 10 kHz)

## Product Features:

Dimensions		150 x 240 x 146 mm (W x H x D) (excl bracket) & 150 x 240 x 194 mm (incl bracket)
Weight		3.5 kg (pair)
Colours		Black (RAL9003)
		White (RAL9005)
Construction		ABS
Front finish		Powder coated steel grill with lining
Bracket		Powder Coated steel
Construction		Impact & UV resistant ABS
Colours		Black (RAL9005) (ARES5A/B)
		White (RAL9003) (ARES5A/W)
Accessories	Included	Mounting bracket
		Power cable
		3.5 m connection cable speaker
		Wall screws and plugs
	Optional	WP205 - ARES5A wall panel

## Standards & regulations:

CE	LVD	Compliant to EN 62368
	EMC	Compliant to EN 55032, EN55024, EN 61000-3-2/3
CB		Compliant to IEC 62368
FCC		Part 15C
cTUVus		Compliant to IEC 62368+UL62368
ENERGY STAR®		Compliant
RoHS		Compliant
Reach compliant		Compliant
ENERGY STAR®		Compliant

## Variants:

- ARES5A/B - Black version
- ARES5A/W - White version

## Architects' and Engineers' Specifications:

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The stereo loudspeakers shall be a 2-way active system composed of one active and one passive speaker, both composed of a 5 ¼" low-frequency woofer with polypropylene cone and an ½" PEI high-frequency tweeter.

The enclosure shall be elegantly designed and constructed out of ABS materials. The front finish shall be made through a finely perforated steel grill. The cabinets shall come with included mounting brackets allowing installations on both horizontal and vertical way and allow tilting in two directions for optimal directional placement. The bracket shall be partially integrated in the cabinets construction for optimal aesthetics and the structure shall allow close integration in 90° room corners.

The speakers shall have a power handling of 2 x 40 W and the frequency response ( $\pm 3$  dB) shall range from 80 Hz to 20 kHz. The sensitivity shall reach 88 dB with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level achieves up to 104 dB.

The signal input is implemented both balanced and unbalanced. The unbalanced line input shall be implemented through 3.5 mm mini-jack connections while the balanced input is implemented through two 3-pin terminal block connectors. The passive speaker is connected to the active speaker through 2-pin terminal block connections.

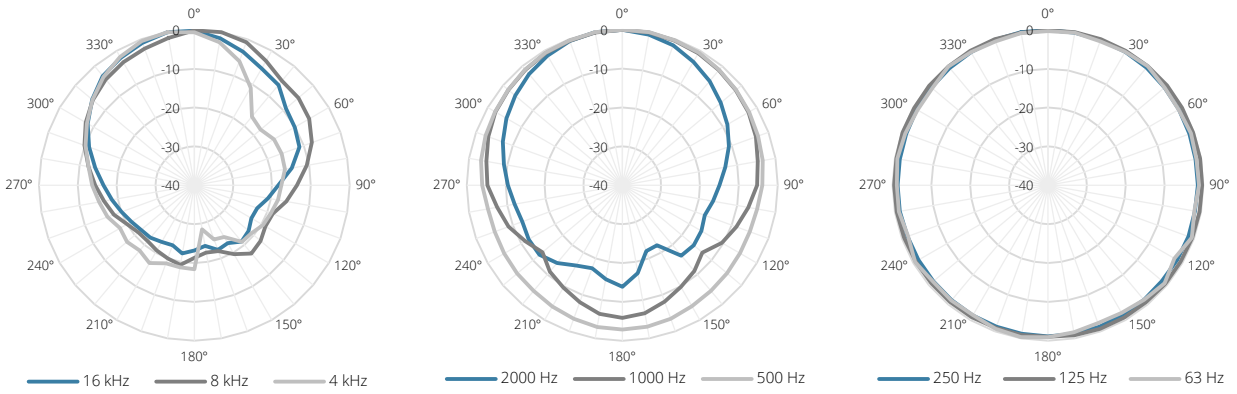
Additionally, a remote input connection through RJ45 connector shall be implemented, allowing the connection of remote input modules such as wall panels with transmission distances up to 100 meters. The overall volume and two band (bass and treble) tone equalization shall be adjustable using controls on the rear side of the active unit.

The amplifier shall be a highly efficient class-D amplifier with integrated DSP processor, guaranteeing the best possible acoustic performance. The power supply shall be a switching mode type with operation over a wide voltage range from 100 ~ 240 V AC 50/60 Hz which makes it globally deployable. An auto-standby mode shall guarantee compliance with Energy-Star efficiency standards.

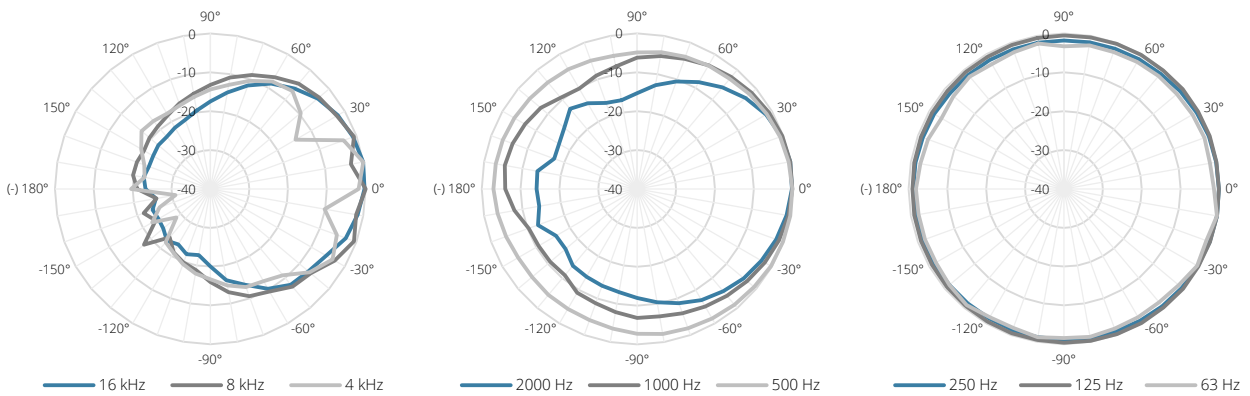
The mains network connection shall be equipped with a removable power cord having a standard Europlug (CEE 7/16) AC plug. The connector on the active speaker shall be a IEC C8 type. The speakers' enclosure shall be 240 mm high, 150 mm wide and 194 mm deep (including the mounting bracket) and the weight (of one pair) shall not exceed 3.5 Kg.

# Acoustical data graphs:

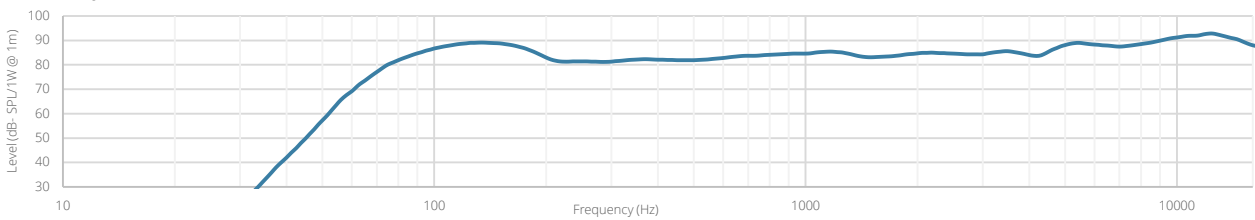
## Horizontal Polars:



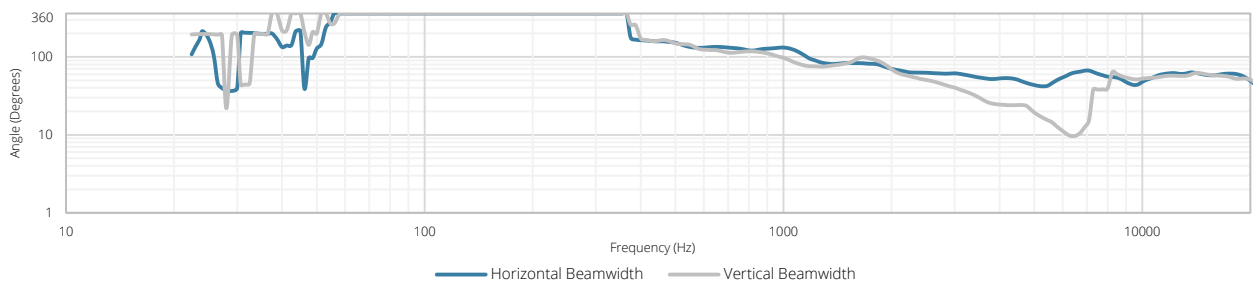
## Vertical Polars:



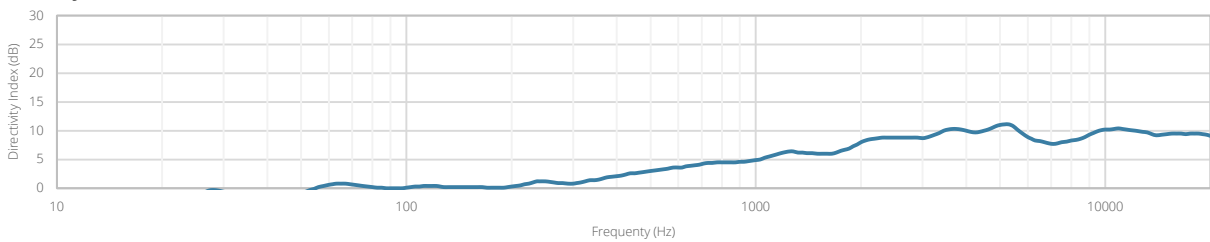
## Sensitivity:

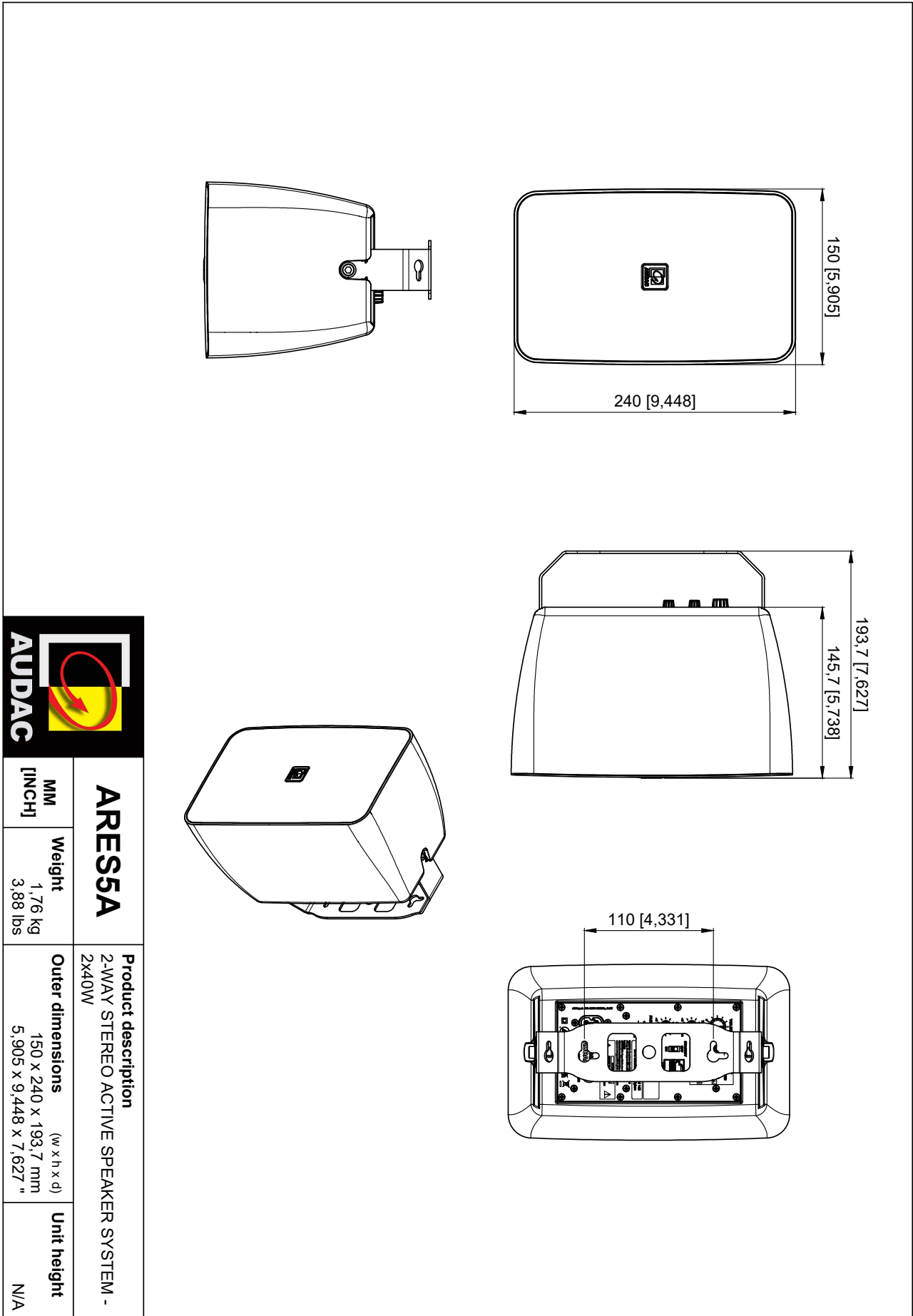


## Beamwidth (-3dB):



## Directivity index:





<b>ARESSA</b>		<b>Product description</b>	<b>Unit height</b>
<b>MM [INCH]</b>	<b>Weight</b>	<b>2-WAY STEREO ACTIVE SPEAKER SYSTEM - 2x40W</b>	<b>N/A</b>
	1,76 kg 3,88 lbs	<b>Outer dimensions</b> (w x h x d)	
		150 x 240 x 193,7 mm 5,905 x 9,448 x 7,627 "	