TOA

ZJ-430W-AS
Bi-Directional Speaker

One Speaker. Two Directions. Smarter Coverage.

One speaker projects sound to both front and rear simultaneously, providing even coverage throughout long corridors.

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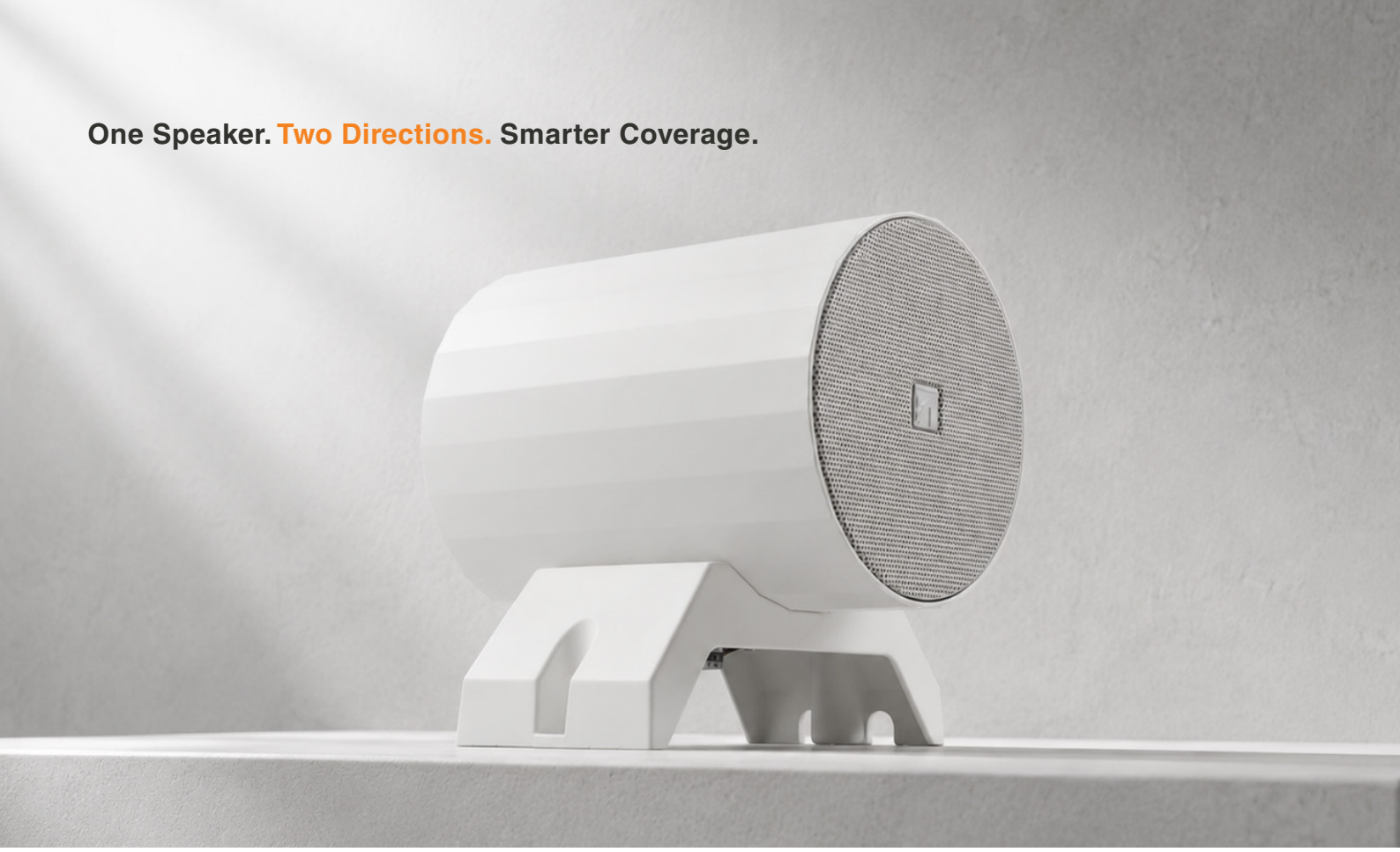

The ZJ-430W-AS is a Bi-Directional projection speaker designed for a surface - mount installation on walls or ceilings.
It features two speakers unit and a construction ideal for use in a voice alarm system.
The input power can be selected according to the markings on the terminal. The screw terminals (ceramic) make input cable connections easy and allow for bridge wiring.

- **Sound Covers Two Directions**
  Delivers clear audio in two opposite directions, making it ideal for long corridors and linear spaces.
- **Easy Installation**
  Flexible mounting options enable quick and efficient installation on ceilings or walls.
- **Consistent Sound Coverage**
  Provides even sound distribution to ensure announcements remain clear throughout the coverage area.
- **Optimized for Emergency Announcement**
  Engineered for high speech intelligibility, ensuring emergency messages are delivered clearly when every second matters.

Applications

Ideal for Long Corridors & Linear Spaces
Designed for locations that require clear voice announcements and consistent sound coverage in two opposite directions using fewer speakers.

Hospitals
Reliable voice announcements for patients, visitors, and emergency evacuation.

Hotels
Clear announcements throughout guest corridors, basement while minimizing speaker installation points.

Airports
Ideal for passenger information, boarding announcements, and emergency notifications along terminal walkways.

Train & MRT Stations
Delivers consistent announcements across platforms, pedestrian corridors, and connecting passages.

Office Buildings
Perfect for corridors, basement access, lift lobbies, and evacuation routes.

Parking & Basement Areas
Provides clear public address and emergency announcements in long parking aisles and pedestrian walkways.

Schools & University
Suitable for hallways and connecting buildings requiring everyday announcements and emergency paging.

Warehouses & Industrial Facilities
Covers long operational aisles with clear voice communication while reducing the number of installed speakers.

Specifications

ZJ-430W-AS

Specification	ZJ-430W-AS
Rated Input	30W (100V line)
Rated Impedance	100V line : 330Ω (30W), 670kΩ (15W), 1kΩ (10W)
Max. SPL	103dB (30W,1m) (500Hz - 5kHz, pink noise, 2 speakers)
Frequency Response	97Hz - 20kHz (Peak -20dB)
Coverage Angle (-6dB)	2x Hor./Ver. : 131° (500Hz), 162° (1kHz), 71° (2kHz), 59° (4kHz)
Environmental Type	IP44 (indoor and outdoor installation)
Speaker Component	2 x 10cm (4") double cone-type
Operating Temperature	-25°C to +70°C (13°F to 158°F)
Applicable Cable Size	Outer diameter : Ø6.5 - Ø12.5mm (0.26" - 0.49") Conductor : Solid wire or Stranded wire (7- core wire) No bridge connection : 0.8 - 6mm^2 (AWG18 - AWG10) for solid wire 0.8 - 4mm^2 (AWG18 - AWG12) for stranded wire Bridge Connection : 0.8 - 2.1mm^2 (AWG18 - AWG14) for solid wire 0.8 - 1.8mm^2 (AWG18 - AWG15) for stranded wire
Cable Connection	2-pins + 3-pins screw terminal (ceramic), can be bridge connection
Finish	Cabinet, Mounting bracket : Aluminum, white (RAL 9016 equivalent), paint Grille: Steel perforate, white (RAL 9016 equivalent), paint Terminal cover : ABS resin, white (RAL 9016 equivalent), paint
Dimensions	189(H) x 178(W) x 191(D)mm (7.44" x 7.01" x 7.52")
Weight	3.5kg (7.72lb)
Accessory	Terminal cover with cable gland PGB 13.5 - 12 grey...1 *1 Speaker mounting screw.....2

*1 One cable gland is factory-installed, for bridge connection one cable gland can be added

Scan for more info

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Smiles for the Public

Specifications are subject to change without notice.

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