



## **dB technologies IS25T Professional Passive 2 Way Speaker User Manual**

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Make sure that the loudspeaker is securely installed in a stable position to avoid any injuries or damages to persons or properties. For safety reasons do not place one loudspeaker on top of another without proper fastening systems. Before hanging the loudspeaker check all the components for damages, deformations, missing or damaged parts that may compromise safety during installation. If you use the loudspeakers outdoor avoid spots exposed to bad weather conditions. The external wiring connected to speaker output terminals requires installation by qualified personnel only. Once the equipment is installed, prevent access to the connectors to unqualified personnel. Only use the accessories and configurations described in this manual, and proceed in accordance with the instructions given in the manuals for the accessories. dBTechnologies will not accept any responsibility for damages caused by inappropriate accessories or additional devices.

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## GENERAL INFORMATION

### WELCOME!

Thanks for purchasing a product that was designed and developed in Italy by dBTechnologies! This series of professional passive speakers embodies years of experience and innovation in the field of sound reproduction, with the use of cutting edge solutions in the fields of acoustics, electronics and materials research.

### INTRODUCTORY OVERVIEW

IS is a series of passive speakers designed for permanent installation. In particular, the IS25T model is designed for high-quality music reproduction in installations and also for live applications with diverse configurations thanks to the wide range of accessories available; offers a 2-way point source system with twin 5" woofers (VC 1") and 1" compression driver (VC 1.4"). The attractive design and colour choice of black or white gives the speakers and elegant, unobtrusive look, making them ideal for any commercial or institutional setting. The Euroblock (Phoenix) connectors ensure quick and easy connection. Its main features are:

- high quality sound
- compact and versatile design
- wide acoustic coverage
- reduced dimensions and weight
- possibility to rotate the horn for horizontal or vertical use
- can be mounted on a wall, pole or truss adapter using the optional accessories (not included in supply)

## USER INFORMATION

**To use your IS diffuser in the best way, we recommend that you:**

- read the Quick Start manual included in the package and all of this complete User Manual, and keep them throughout the entire life of the product.
- register the product at <http://www.dbtechnologies.com> in the section "SUPPORT".

- retain your proof of purchase and WARRANTY (User Manual “section 2”)

## PACKAGE CONTENTS

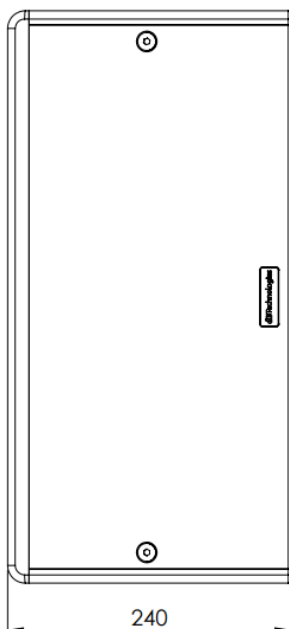
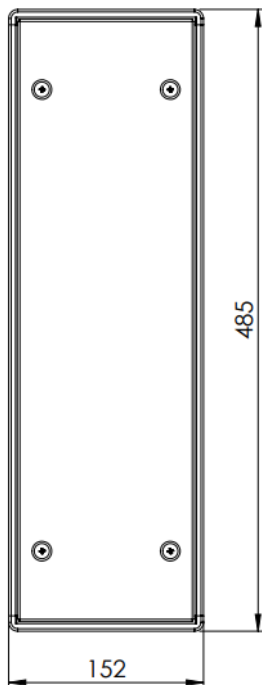
**Check that the contents of the package are complete. The package contains:**

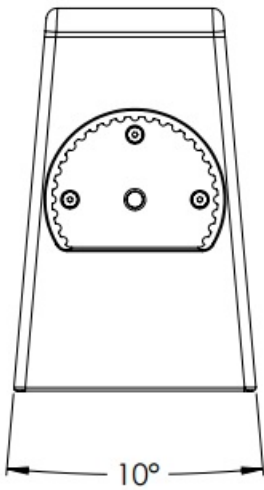
- IS25T speaker
- quick start manual and warranty documentation
- n.2 Euroblock (Phoenix) flying female 2 pole 5.08mm pitch connectors

## MECHANICAL AND ACOUSTIC FEATURES

### DIMENSIONS AND WEIGHT

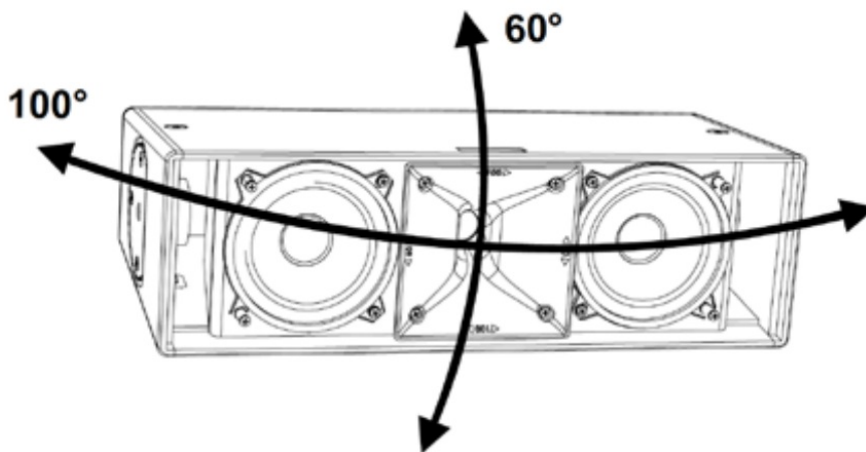
The IS25T has been designed with particular attention to optimising the overall dimensions and ease of handling. The unit weighs only 7 kg. The main dimensions are: 152 x 485 x 240mm [W x H x D].





## ACOUSTIC COVERAGE

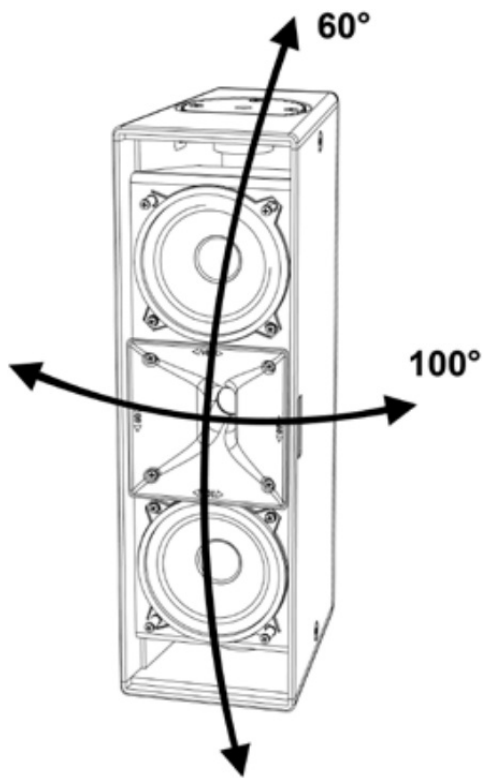
The horn is designed to give a coverage of 100° horizontally and 60° vertically.



**The coverage pattern of the speaker can be inverted to suit different applications by rotating the horn using this simple procedure:**

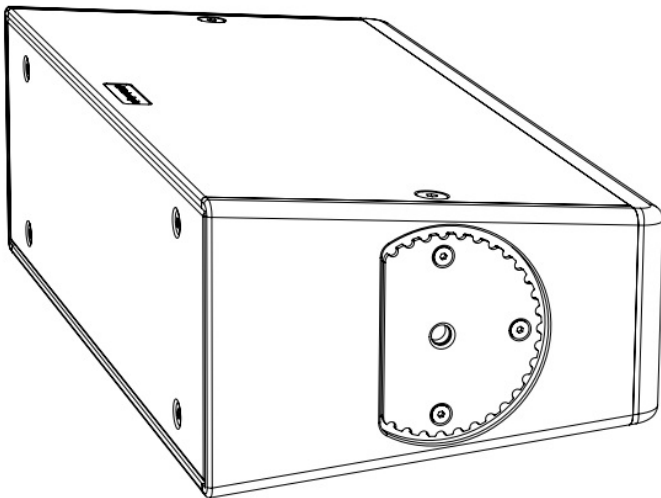
- unscrew the screws securing the grille and remove the grille
- unscrew the four screws securing the horn to the cabinet
- rotate the horn through 90° either in a clockwise or anti-clockwise direction; the screws holes serve as reference points
- fix the horn in the new position by screwing the four screws back into their holes
- fit the grille and tighten the screws to secure it to the cabinet

## ACOUSTIC COVERAGE OF SPEAKER WITH HORN ROTATED



## MECHANICAL FEATURES

The top and bottom of the speaker are equipped with attachment fittings for the mounting brackets (optional). These attachment fittings allow adjustment of the tilt angle with the speaker in the horizontal position, and rapid fixing in the vertical position. See the ACCESSORIES section.



## PROTECTION AGAINST SOLID OBJECTS AND LIQUIDS (IP RATING)

The speaker is protected against the ingress of solid objects and liquids with a rating of IP32 as defined by EN 60529. To guarantee this specification is met, the speaker must be installed horizontally or vertically facing downwards with a tilt angle of at least 15° to the vertical. The cable connecting the speaker to the amplifier must have a diameter of at least 8mm (0.31 inch).

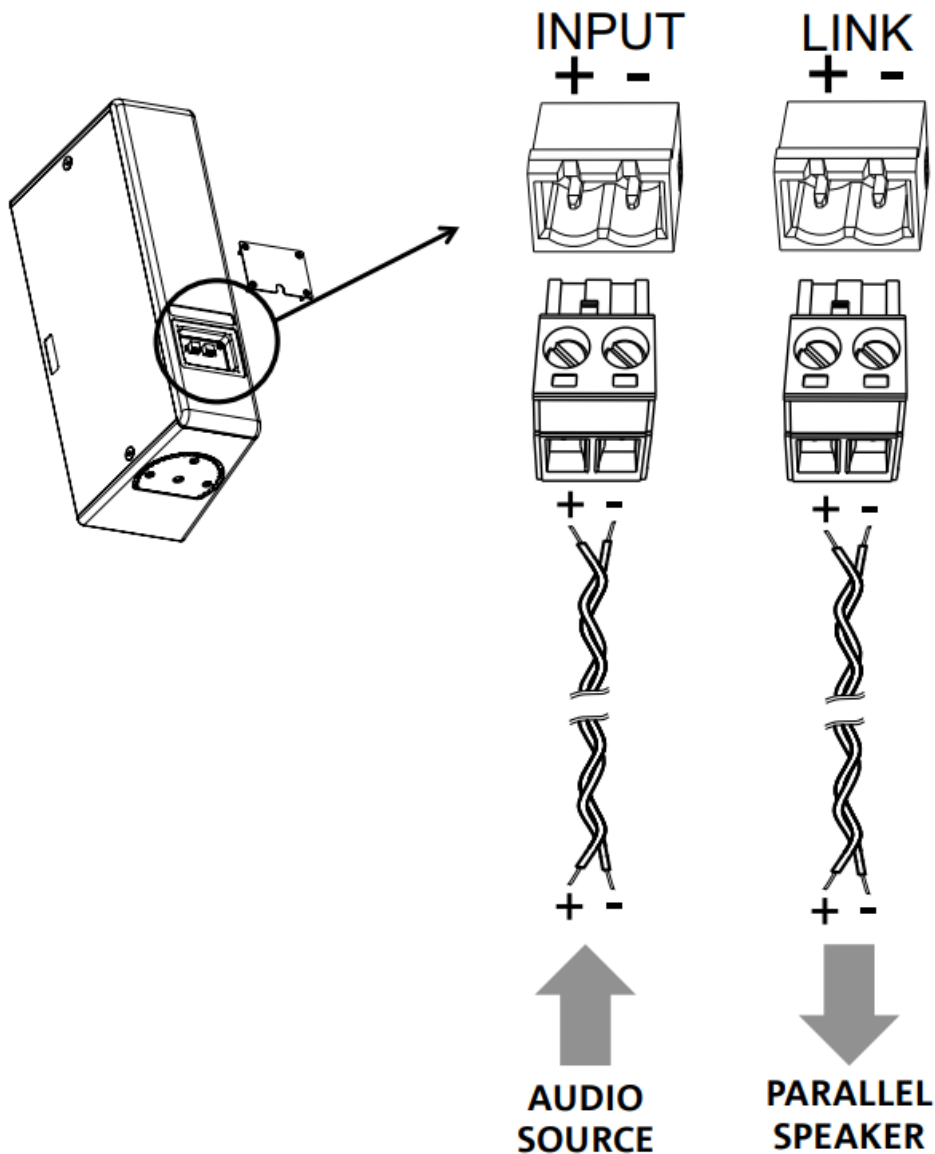


**Failure to comply with these installation prescriptions could adversely affect the declared protection ratings.**

## CONNECTIONS

## CONNECTING AND LINKING THE AUDIO SIGNAL

The audio input and link to another speaker are connected via Euroblock (Phoenix) connectors; the connectors are protected under a metal panel that is easily removed by unscrewing the four screws securing it to the cabinet. Connect the audio source (e.g., from an amplifier or another speaker) to the INPUT terminal using the provided female connectors, respecting the polarity markings next to the connectors (positive to positive, negative to negative). The audio signal can be linked to another speaker in a similar way: connect the LINK output of the speaker to the INPUT terminal of the next speaker respecting the polarity (positive to positive, negative to negative).

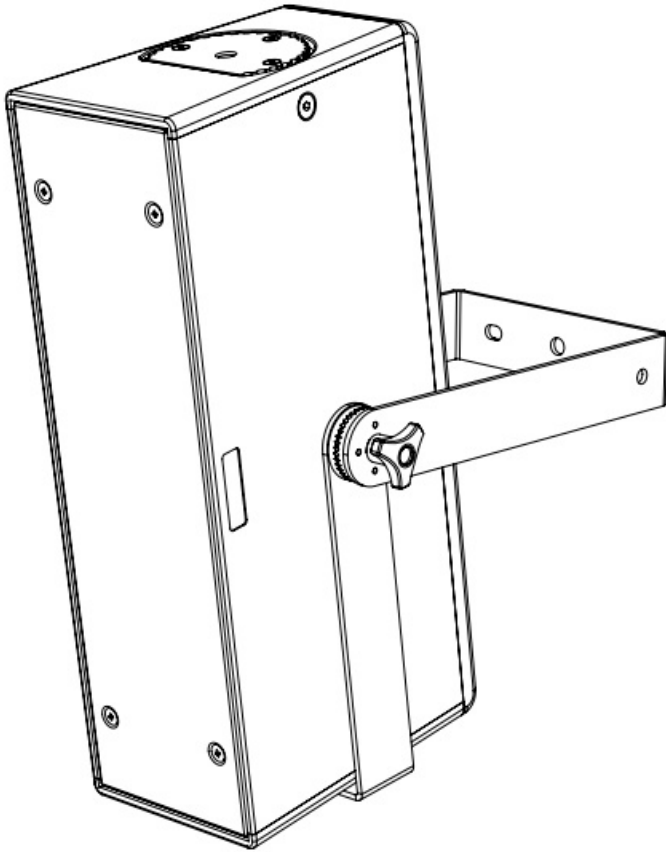


## MAIN ACCESSORIES AND EXAMPLES OF USE

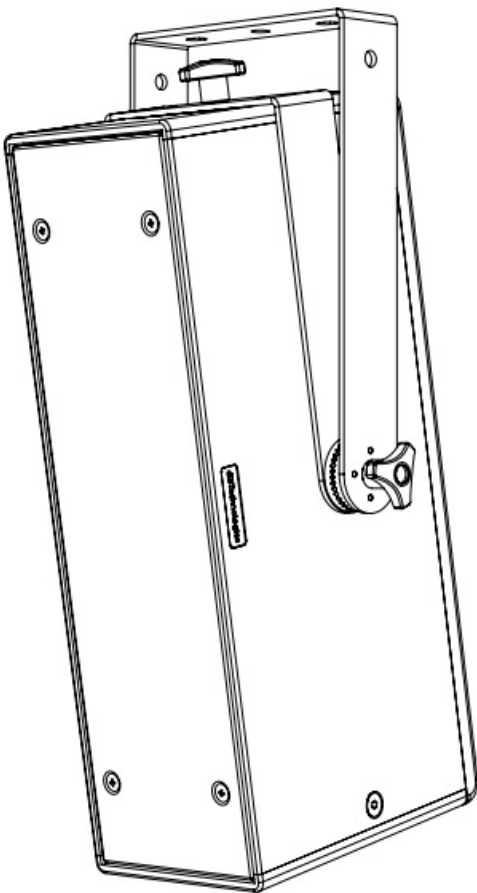
### CAUTION!

- Installation types other than those illustrated here are not allowed.
- Installation must be carried out by qualified personnel.
- If the speaker is to be wall mounted, the fixings used by the installer must be suitable for the type of wall to ensure stability and safety.
- Always check that placement is stable and the installation is not a hazard to people, animals or things.
- In the case of pole mounting, make sure that the stand is placed on a flat, level surface, otherwise additional safety fixings will be required.

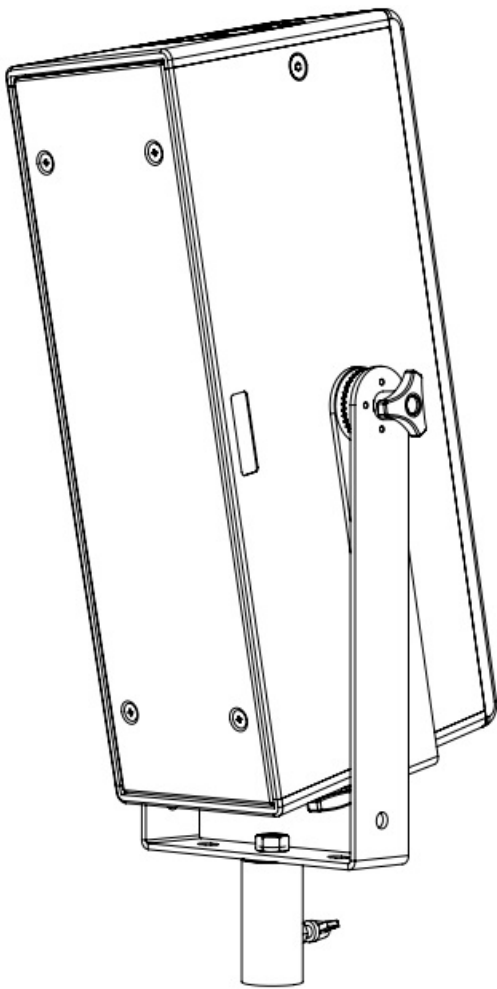
For vertical installation, the bracket WB-VIOX205V allows precise adjustment of the tilt angle when the speaker is wall mounted, suspended from a truss (e.g., using an eyebolt or TV-SPIGOT, not included) or mounted on a stand (using a 35 mm adapter for pole mounting). Refer to the relevant instructions for further details.



**WALL MOUNTING**

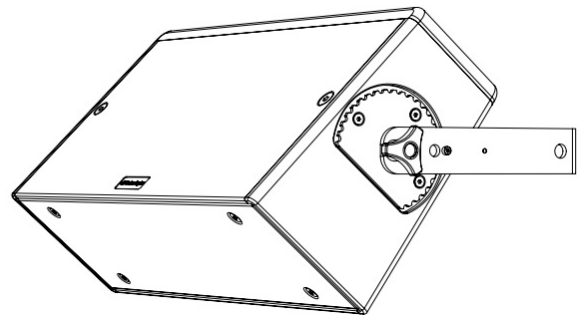
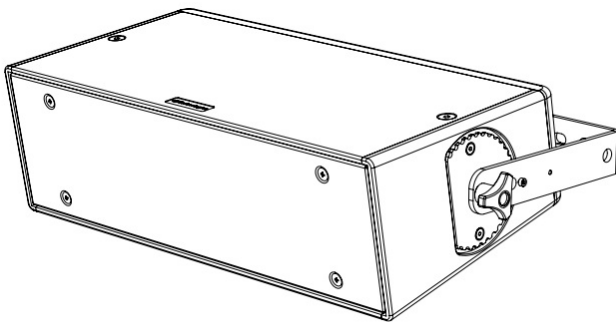


**TRUSS MOUNTING**



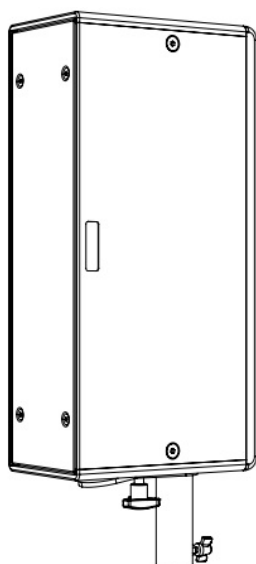
## POLE MOUNTING

For horizontal installation, the bracket WB-VIOX205H allows precise adjustment of the tilt angle when the speaker is wall mounted. Refer to the specific instructions for this accessory for further details.

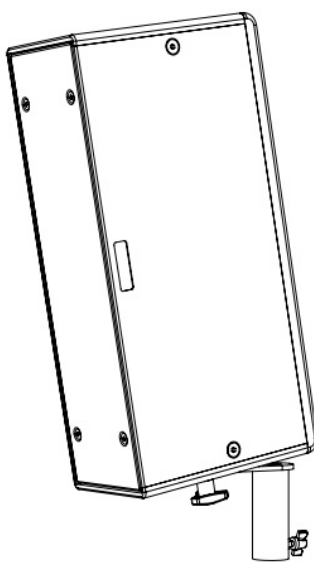


Finally, accessory SA-VIOX205 allows the speaker to be mounted directly on pole (tilt angle 0/10°). All the information on these and other accessories can be found on the **website** : <http://www.dbtechnologies.com>





**0°**



**-10°**

## TROUBLESHOOTING

The speaker does not produce any sound

1. Check that the audio signal input is connected correctly
2. Check that the connection cables are not damaged
3. Check that the audio source is powered on and clearly shows an output signal

## TECHNICAL SPECIFICATIONS

### GENERAL

<b>Tipologia:</b>	Diffusore passivo 2 vie
<b>Protezione contro corpi solidi e liquidi:</b>	IP32 (angolo minimo 15°)

### DATI ACUSTICI

<b>Risposta in frequenza [-6 dB]:</b>	85 Hz – 20 kHz
<b>Sensibilità:</b>	94.5 dB
<b>Max SPL (@ 1m):</b>	121.5 dB
<b>LF:</b>	2 x 5"
<b>LF Voice Coil:</b>	1"
<b>HF:</b>	1"
<b>HF Voice Coil:</b>	1.4"
<b>Frequenza di crossover:</b>	1.5 kHz
<b>Copertura (HxV):</b>	100° x 60° (tromba ruotabile)

## DATI ELETTRICI

<b>Impedenza nominale:</b>	8 $\Omega$
<b>Potenza RMS:</b>	120 W
<b>Potenza di picco:</b>	480 W

## CONNESSIONI

<b>Ingresso:</b>	Euroblock (Phoenix) 2 poli
<b>Link:</b>	Euroblock (Phoenix) 2 poli

## DIMENSIONI

<b>Materiale:</b>	Cabinet in legno, verniciatura nera/bianca
<b>Griglia:</b>	Interamente in metallo – lavorazione CNC
<b>Montaggio su palo:</b>	Sì, 36 mm
<b>Predisposizioni per staffe:</b>	Sì
<b>Larghezza:</b>	152 mm (6 inch.)
<b>Altezza:</b>	485 mm (19 inch.)
<b>Profondità:</b>	240 mm (9.4 inch.)
<b>Peso:</b>	7 kg (15.4 lbs.)

Caratteristiche, specifiche e aspetto dei prodotti sono soggetti a possibili cambiamenti senza previa comunicazione. dBTechnologies si riserva il diritto di apportare cambiamenti o miglioramenti nel design o nelle lavorazioni senza assumersi l'obbligo di cambiare o migliorare anche i prodotti precedentemente realizzati.

### USER MANUAL – *Section 1*

The warnings in this manual must be observed in conjunction with the “USER MANUAL – Section 2”.



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# dBTechnologies

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## Documents / Resources

 <p>IS25T Professional Passive 2 Way Speaker</p> <p>dB Technologies</p> <p>CE</p>	<p><a href="#">dB technologies IS25T Professional Passive 2 Way Speaker</a> [pdf] User Manual</p> <p>IS25T Professional Passive 2 Way Speaker, IS25T, Professional Passive 2 Way Speaker, Passive 2 Way Speaker, Speaker</p>
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## References

- [AEB Software for Global Trade and Logistics](#)
- [dBTechnologies - Professional Audio Equipment](#)
- [User Manual](#)

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