



dBTechnologies IS25T Professional Passive 2 Way Speaker Instruction Manual

[Home](#) » [dBTechnologies](#) » dBTechnologies IS25T Professional Passive 2 Way Speaker Instruction Manual 

Contents

- [1 dBTechnologies IS25T Professional Passive 2-Way Speaker](#)
- [2 Product Information](#)
- [3 Product Usage](#)
- [4 DIMENSIONS AND WEIGHT](#)
- [5 MECHANICAL FEATURES](#)
- [6 MAIN ACCESSORIES AND EXAMPLES OF USE](#)
- [7 TROUBLESHOOTING](#)
- [8 TECHNICAL SPECIFICATIONS](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)
- [10 Related Posts](#)

dBTechnologies

dBTechnologies IS25T Professional Passive 2-Way Speaker



Product Information

Specifications

- **Model:** IS25T
- **Code:** 420120376 REV. 1.2

General Information

Welcome! Thank you for choosing the Professional Passive 2-Way Speaker (IS25T). To ensure optimal usage of your speaker, please read and follow the instructions provided in this manual.

User References

We recommend keeping this manual complete and accessible throughout the lifespan of the product.

Package Contents

Before proceeding, please ensure that all the items listed below are present in the package:

- Professional Passive 2-Way Speaker (IS25T)
- Instruction Manual – Section 1
- Instruction Manual – Section 2

Mechanical and Acoustic Features

Dimensions and Weight

- **Height:** 485 mm
- **Width:** 152 mm
- **Depth:** 240 mm

Acoustic Coverage

The speaker provides a wide coverage angle for optimal sound dispersion.

Mechanical Features

The upper and lower sides of the speaker are designed with brackets for mounting options. These brackets allow for horizontal tilt adjustment and quick vertical fixation. Please refer to the “Accessories” section for more details.

Protection Against Solids and Liquids (IP Rating)

Failure to follow the installation instructions may affect the declared protection performance.

Product Usage

Connections

To connect and relay the audio signal, follow the diagram below: IN+ PU-T L+ IN-K AUDIO SOURCE PARALLEL SPEAKER

Main Accessories and Usage Examples

Important: Ensure proper installation to avoid any potential risks to people, animals, or objects.

Vertical Installation

- The WB-VIOX205V bracket allows precise angle adjustment when mounting the speaker on a wall or truss (using a screw eye or TV-SPIGOT, not included). It can also be used with a stand (using the 35 mm pole adapter). Refer to the accessory instructions for further details.

Horizontal Installation

- The WB-VIOX205H bracket allows precise angle adjustment when mounting the speaker on a wall. Refer to the accessory instructions for further details.

Troubleshooting

If the speaker does not produce any sound, please perform the following checks:

1. Ensure that the audio signal input connection is properly made.
2. Check that the cables being used are not damaged.

3. Verify that the upstream audio source is powered on and showing signal output.

Frequently Asked Questions (FAQ)

Q: Can I mount the speaker on a truss?

- **A:** Yes, you can mount the speaker on a truss using the WB-VIOX205V bracket and a screw eye or TV-SPIGOT (not included).

Q: Can I mount the speaker on a stand?

- **A:** Yes, you can mount the speaker on a stand using the WB-VIOX205V bracket and a 35 mm pole adapter.

Q: How do I troubleshoot if the speaker is not producing any sound?

- **A:** Please ensure that the audio signal input connection is properly made, check for any cable damage, and verify that the upstream audio source is powered on and showing signal output.

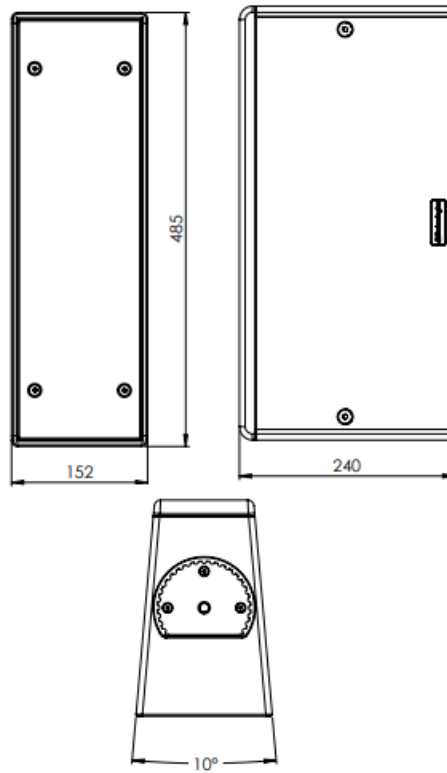
WARNING

- 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, and missing or damaged parts that may compromise safety during installation. If you use the loudspeakers outdoors 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 under the instructions given in the manuals for the accessories. dBTechnologies will not accept any responsibility for damages caused by inappropriate accessories or additional devices.

MECHANICAL AND ACOUSTIC FEATURES

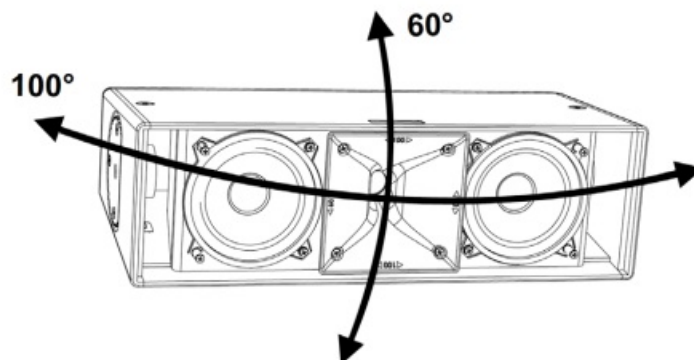
DIMENSIONS AND WEIGHT

- The IS25T has been designed with particular attention to optimizing 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].



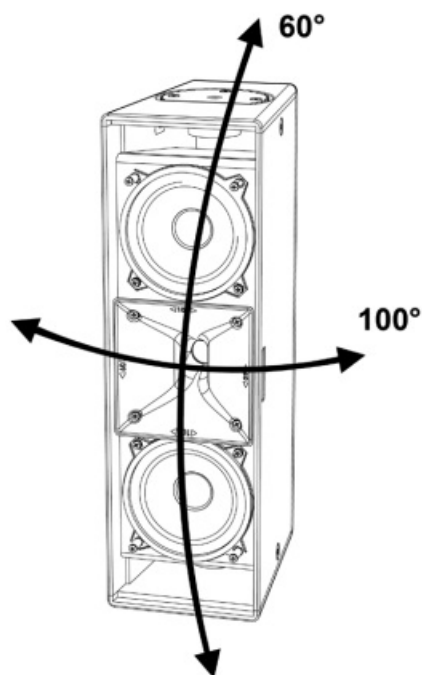
ACOUSTIC COVERAGE

- 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.

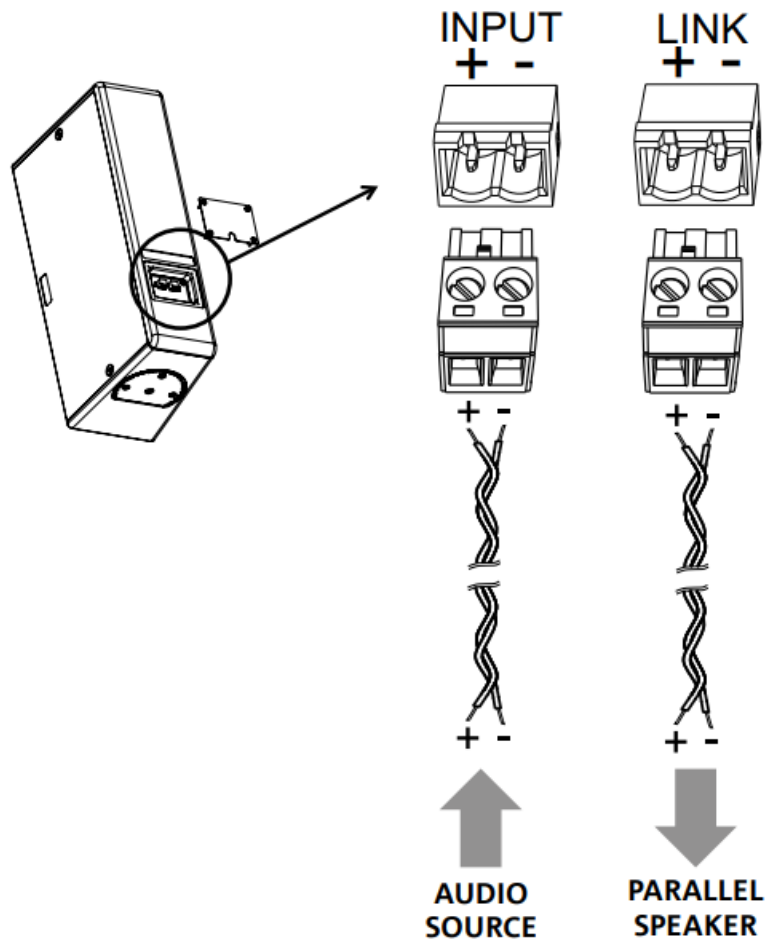
PROTECTION AGAINST SOLID OBJECTS AND LIQUIDS (IP RATING)

- 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

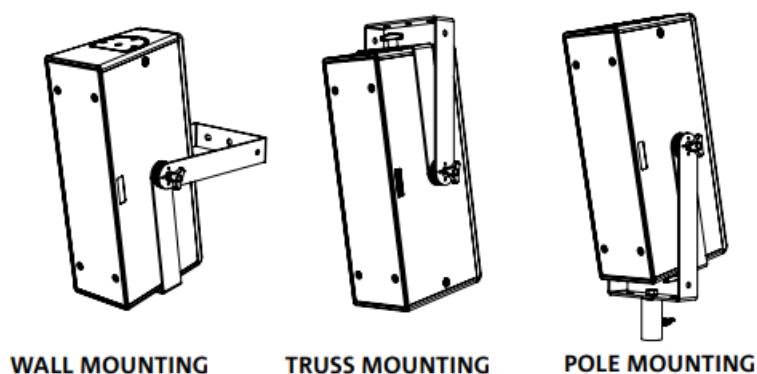
- The audio input and link to another speaker are connected via Euroblock (Phoenix) connectors; the connectors are protected under a metal panel that is easily removed by unscrewing the four screws securing it to the cabinet.
- Connect the audio source (e.g., from an amplifier or another speaker) to 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

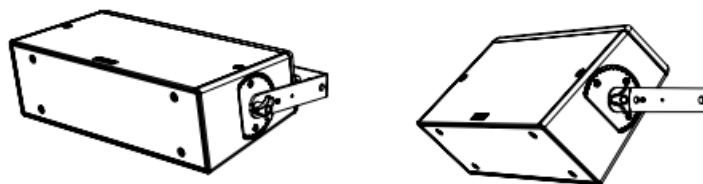
CAUTION!

- 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 that 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.



- 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 the pole (tilt angle 0/10°). All the information on these and other accessories can be found on the website

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

Type:	2-way passive speaker
Protection against solid objects and liquids (IP):	32 (minimum tilt angle 15°)

ACOUSTIC DATA

Frequency response [-6 dB]:	85 Hz – 20 kHz
Sensitivity:	94.5 dB
Max SPL (@ 1m):	121.5 dB
LF:	2 x 5"
LF voice coil:	1"
HF:	1"
HF voice coil:	1.4"
Crossover frequency:	1.5 kHz
Coverage (HxV):	100° x 60° (rotatable horn)

ELECTRICAL DATA

Rated impedance:	8 Ω
RMS power:	120 W
Peak power:	480 W


CONNECTIONS

Input:	Euroblock (Phoenix) 2 pole
Link:	Euroblock (Phoenix) 2 pole



DIMENSIONS

Material:	Wood cabinet, black/white paint finish
Grille:	All metal – CNC machined
Pole mounting:	Yes, 36 mm
Bracket attachment fittings:	Yes
Width:	152 mm (6 inch.)
Height:	485 mm (19 inch.)
Depth:	240 mm (9.4 inch.)
Weight:	7 kg (15.4 lbs.)

- Product features, specifications, and appearance are subject to change without prior notice.
- dBTechnologies reserves the right to make changes or improvements in design or manufacturing without any obligation to change or improve previously manufactured products.
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	<p>dBTechnologies IS25T Professional Passive 2 Way Speaker [pdf] Instruction Manual</p> <p>IS25T Professional Passive 2 Way Speaker, IS25T, Professional Passive 2 Way Speaker, Passive 2 Way Speaker, 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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