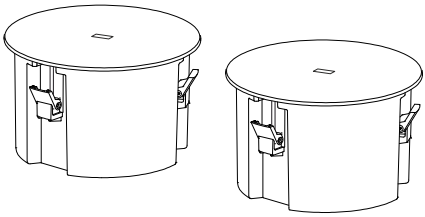
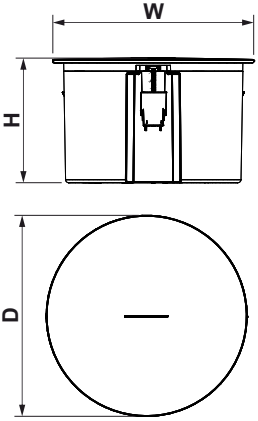
IS6C-TRF



DIMENSIONS



MAIN FEATURES

- Discreet and elegant
- Quick installation
- Suitable for ceiling installation

PACKAGE CONTENTS

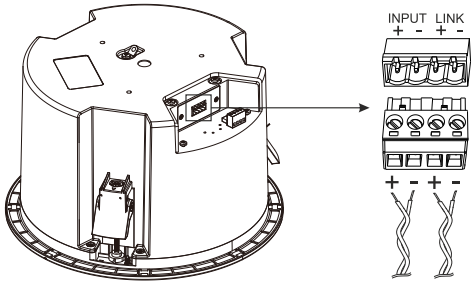
The box contains:

- n.2 IS6C-TRF speaker
- n.2 safety rope
- n.2 mounting kit (C-ring, cutout template, support bridge, protect cover, protect connector, screws, Phoenix connector)
- This quick start and warranty documentation

DESCRIPTION

IS6C-TRF is the new dB Technologies versatile passive speaker for professional use. It includes a coaxial 6.5" woofer with a 0.75" tweeter and it's specifically designed for quick and user-friendly ceiling installation, meeting the needs of those looking for a compact low impedance (8 Ohm) or constant voltage (70-100 V) system.

CONNECTIONS

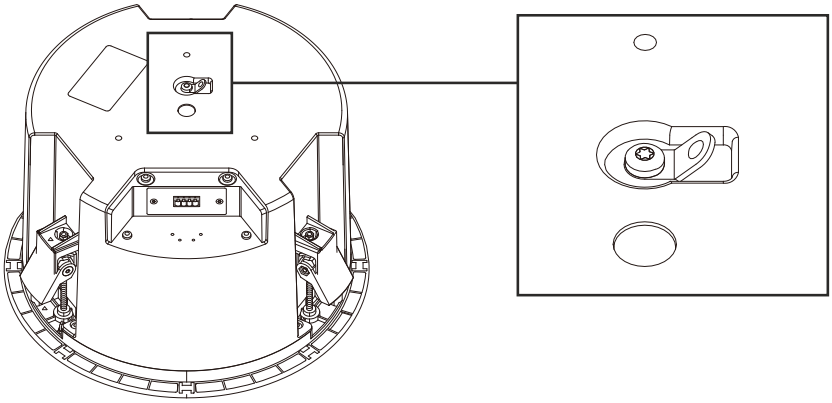


SPECIFICATIONS

Speaker Type	coaxial passive speaker
RMS Power	60 W
Peak Power	240 W
Transformer values @70V	3.75 W 7.5 W 15 W 30 W
Transformer values @100V	7.5 W 15 W 30 W 60 W
Nominal impedance	8 Ohm
Coverage (HxV)	90° x 90°
HF	1" exit (0.75" V.C.)
LF	6.5" (1" V.C.)
Signal Input/ Output	Euroblock (Phoenix) 4 pole
Housing	ABS with iron grille
Speaker Dimensions (WxHxD)	323 x 202 x 323 mm (12.7 x 7.9 x 12.7 in)
Speaker Weight	4.25 Kg (9.37 lbs.)
Ceiling cut-out diameter	296 mm
False ceiling thickness	35 mm
CE standard compliance	Yes

USING A SAFETY CABLE

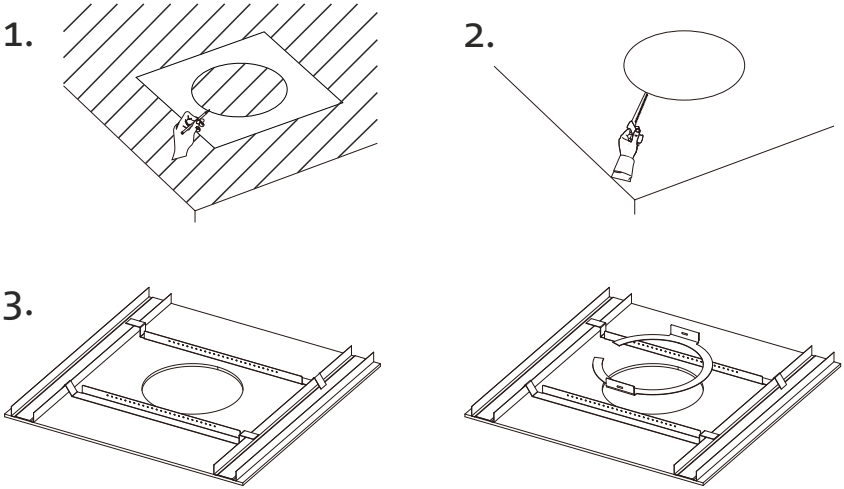
Some regional construction codes require the use of a secondary method of securing loudspeakers to support structures for additional safety. Fasten the hook to the speaker with dedicated screw and attach the safety rope to the hook.



INSTALLATION

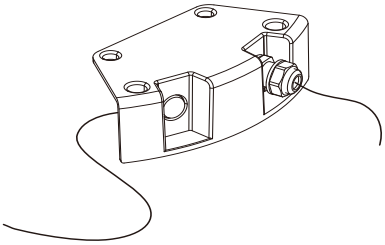
IS6C-TRF can be mounted only on the ceiling, follow the instructions below for a correct installation.

1. Determine the installation location and use the included template to mark the speaker mounting hole (296 mm diameter) on the ceiling
2. Cut out the mounting hole according to the marked positions
3. Install the support bridge above the ceiling

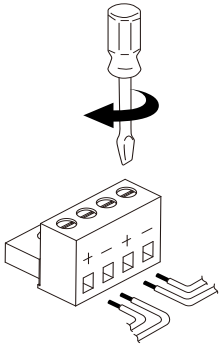


4. Install the protect connector onto the cover, then thread the speaker wire through the protect connector
5. Connect the speaker wire to the Phoenix connector correctly
6. Connect the Phoenix connector to the speaker, then secure the protect cover with screws and use the protect connector to fasten the cables

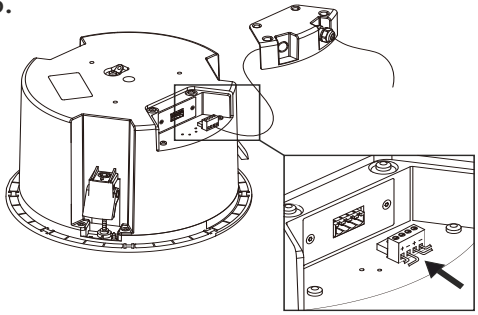
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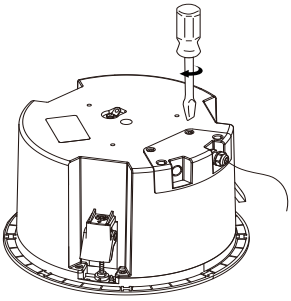


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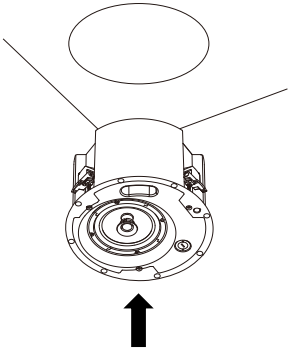
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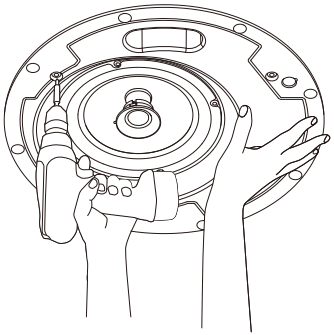




7. Clip the speaker onto the ceiling, then use an electric screwdriver to adjust the bracket height until it clamps the ceiling securely

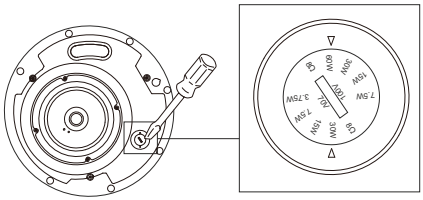
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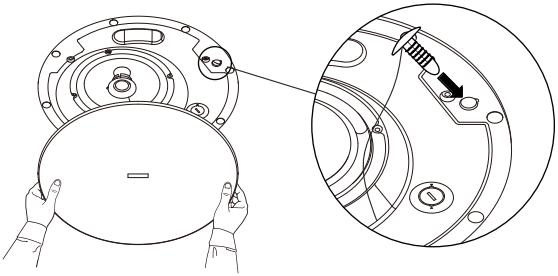


8. Adjust the transformer to the desired setting
9. Install the safety rope for the grille
10. Install the grille securely

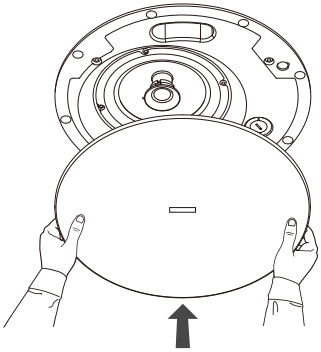
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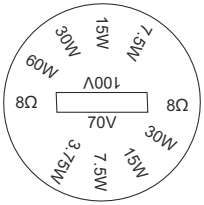
10.



POWER SELECTOR

The power selector on the back of the speakers allows operation in either low-impedance mode (8 Ω) or constant voltage mode (70 V / 100 V).

Use a flat-blade screwdriver to select the desired tap setting.

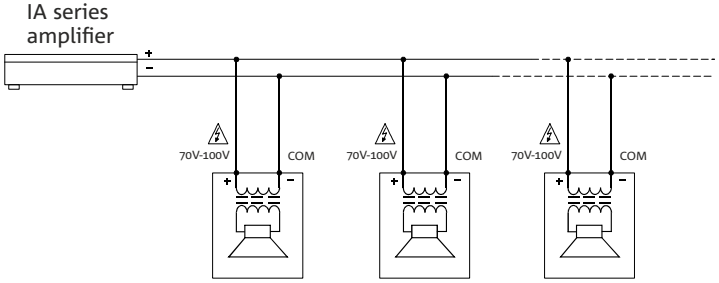


CONFIGURATIONS

CONSTANT VOLTAGE SYSTEMS

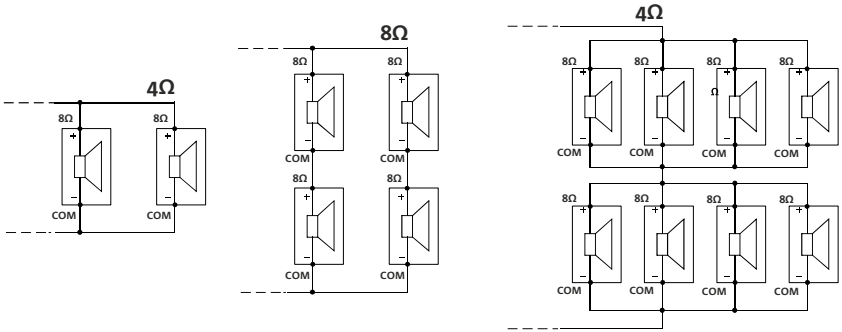
The input voltage of the speaker must match the voltage selected on the amplifier, and the sum of the power of all the speakers connected to the audio line must not exceed the nominal power of the amplifier. Make the connections taking into consideration the following indications:

- Use cables with ad adequate conductor cross-section. A greater distance between the amplifier and the speakers requires larger section cables. This avoids signal losses due to line length.
- To prevent inductive phenomena from causing hum and interference, and compromising the proper functioning of the system, the connection cables must not be placed in the same cable duct or close to devices producing strong magnetic fields (e.g. power transformers), conductors of electricity and lines that power speakers. Furthermore, to minimize the inductive effects due to coupling with electric fields, use cables with twisted conductors.
- To ensure correct sound reproduction it is necessary to connect the speakers “in phase”. I. e. the positive and negative polarities of the amplifier must correspond to the positive (70-100 V) and negative (COM) polarity of the speaker input.
- To simplify the connection, it is possible to use bipolar cables with a marking (e.g. different colors) which distinguishes the polarity.
- The sum of the selected transformer power taps of all connected speakers must not exceed the amplifier’s rated output power.



CONSTANT IMPEDANCE SYSTEMS

The total load impedance of all the speakers must be higher than nominal impedance of the amplifier and the length of the connection cables must be reduced to the minimum.



WARNING

Make sure that the loudspeaker is securely installed in a stable position to avoid injury or damage to persons or property. 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 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 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.

Installation and use of this equipment and its accessories must be performed only by "Expert personnel" according to safety standard. To prevent hazards to people, animals and/or objects, make sure that the installation is stable and secure. Comply with the safety regulations and laws in force in the country in which you use the product. For safe use, periodically check that all parts are in good working condition before use. Only authorised personnel may carry out design, calculations, installation, testing and maintenance of professional flown or stacked audio systems.

Check periodically the integrity and the functionality of the accessories and the technical equipment for a safe installation. Users should never apply a load that exceeds the working load limits of any rigging components or equipment here presented. Design, calculation, installation, testing and maintenance of suspension and stack systems for audio equipment must be performed only by qualified and authorized personnel. AEB Industriale s.r.l. denies any and all responsibility for improper installations, in the absence of safety requirements.

Features, specification and appearance of products are subject to change without notice.
dBTechnologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.

The warnings in this manual must be observed together with the "USER MANUAL - Section 2".

NOTES

Scan with your QR Reader App to download the complete User Manual.

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