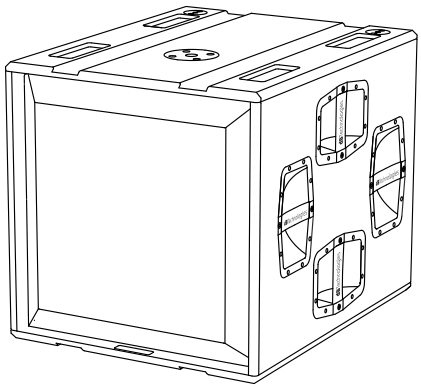
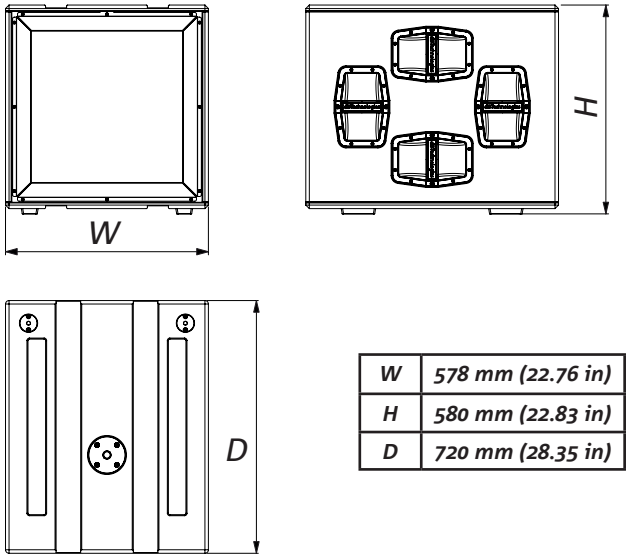


DIMENSIONS



W	***578 mm (22.76 in)***
H	***580 mm (22.83 in)***
D	***720 mm (28.35 in)***

MAIN FEATURES

- Impressive sound pressure
- Powerful amplifier
- Quick installation
- AURORA Net control
- Multiple configurations with IGS2 subwoofer

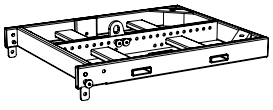
PACKAGE CONTENTS

The box contains:
N°1 IGS1 subwoofer
N°1 mains cable
This quick start and warranty documentation

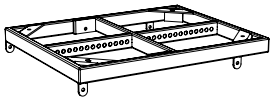
DESCRIPTION

IGS1 is an active bass reflex subwoofer, designed for professional use, equipped with a 18" neodymium woofer (voice coil: 4"). The powerful DSP controlled amplifier section can handle up to 1600 W (RMS power). The RDnet connections allow in-depth remote control, thanks also to free available software AURORA NET. The versatile design ensure easy set-up to create different configurations also with IGS2 subwoofer, completing live installations with DVA line-array series.

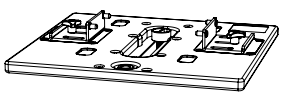
ACCESSORIES



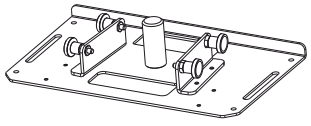
DRK-20
flybar



DRK-10
flybar



GSA-IG5TR
mouting adapter



GSA-IG
mouting adapter

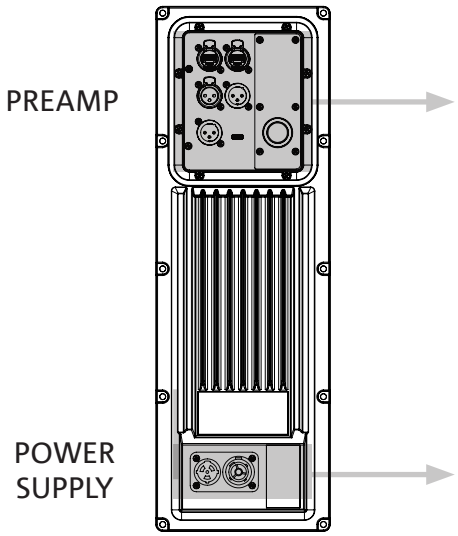
TECHNICAL SPECIFICATIONS

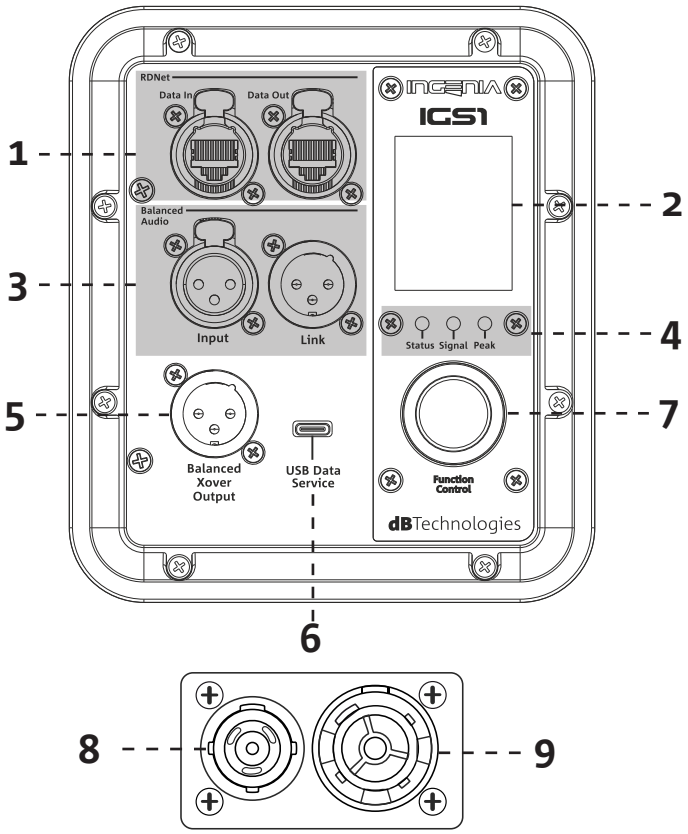
Speaker Type	Active bass-reflex subwoofer
Frequency Response [-6dB]	39 Hz - Xover
Usable Bandwith [-10dB]	36 Hz - Xover
Max SPL (1 m)	136 dB
LF	1x 18", 4" v.c.
LPF	60-65-70-75-80-90-100-110-120-400(FR) Hz
Amplifier	1600 W RMS Class-D
Power Supply	Full-range SMPS
Cooling	Passive (convection)
Operating Range	100-240V~ (50-60Hz)
Limiter	Peak, RMS, Thermal
Operation limit temperature	-20°C / +55°C (-4°F / 131°F)
Controller	32 bit DSP
AD/DA Converter	24 bit/96 kHz
Controls	Function Control (rotary)
Signal Input	1 x XLR balanced, 1 x RJ45 (RDNet), 1x USB (Data Service)
Signal Output	1x XLR balanced Link, 1x XLR HPF Xover out, 1 x RJ45 Link (RDNet)
Housing	Plywood box - black finished
Mechanical fixing points	1x M20 Thread (pole mount) 2x pick points (flybar stack use) 4x back wheels ready
Dimensions (WxHxD)	578x580x720 mm (22.76x22.83x28.35 in)
Weight	45.6 Kg (100.53 lbs.)

I/O AND CONTROL PANEL

The amplifier of IGS1 subwoofer is controlled by a powerful DSP. All the connections and controls are in the rear amplifier control panel.

1- RDNet Data In / Data Out
2- OLED display
3- Balanced audio input and output link
4- Status LEDs (Signal, Status, Peak)
5- Xover balanced output
6- C-type USB port for firmware update
7- Push rotary encoder
8- Full-range Mains input
9- Mains Link output





POWER SUPPLY SPECIFICATIONS (POWER ABSORPTION)

Draw at 1/8 of full power in average use conditions (*): 1.1 A (220-240V~) - 2.1 (100-120V~)

Draw at 1/3 of full power in maximum use conditions (**): 2.6 A (220-240V~) - 5.3 A (100-120V~)

Power absorption with speaker turned on without signal (idle): 15.8 W (220-240V~) - 14.5 W (100-120V~)

*INSTALLER NOTES: The values refer to 1/8 of full power, in average operating conditions (music program with infrequent or no clipping). It is recommended to consider them the minimum sizing values, for any type of configuration.
**INSTALLER NOTES: The values refer to 1/3 of full power, in heavy operating conditions (music program with frequent clipping or activation of the limiter. We recommend sizing according to these values in case of professional installations and tours

MECHANICS

HANDLES

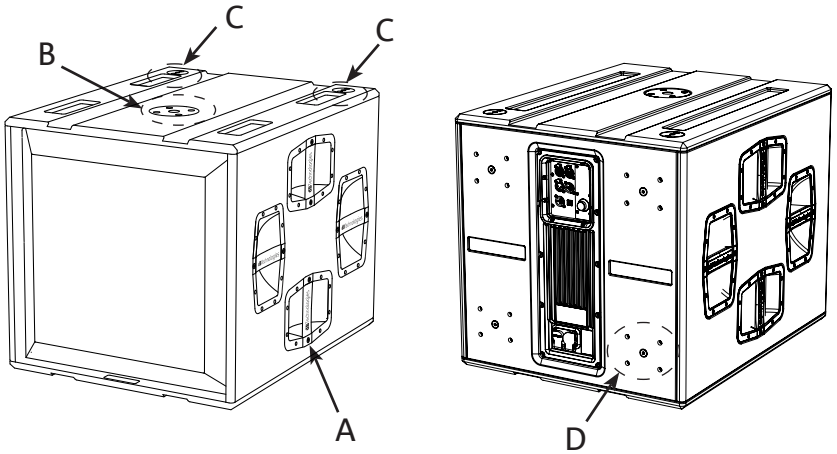
On each side of the subwoofer the user can find handles for easy handling (**A**).

MECHANICAL FIXING POINT

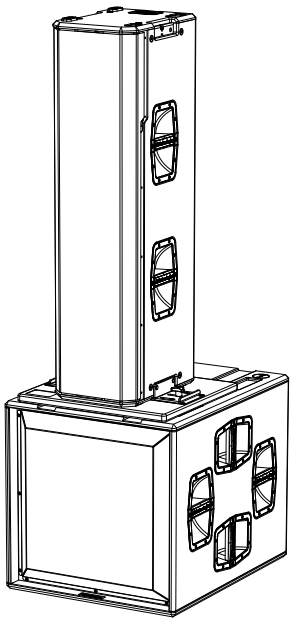
The mechanical fixing point (**B**) allows M20 pole mount (pole not included). The mechanical fixing points (**C**) allows DRK-10/DRK-20 flybar pin to pin mount for stack configurations with DVA speakers. For more details, please read the *CONFIGURATIONS* chapter.

WHEELS

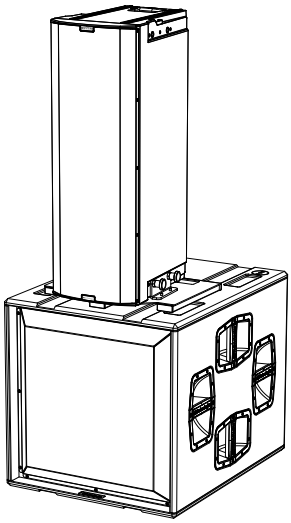
On the back the user can find mechanical fixing points (**D**) for wheels (not included).



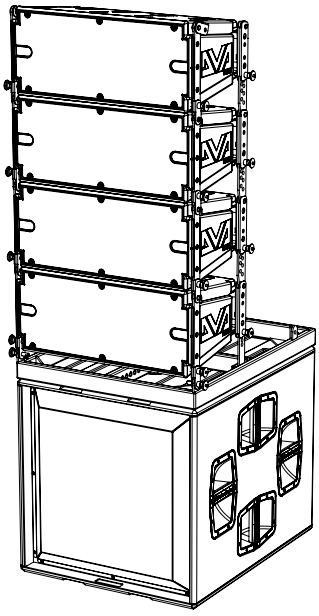
CONFIGURATIONS



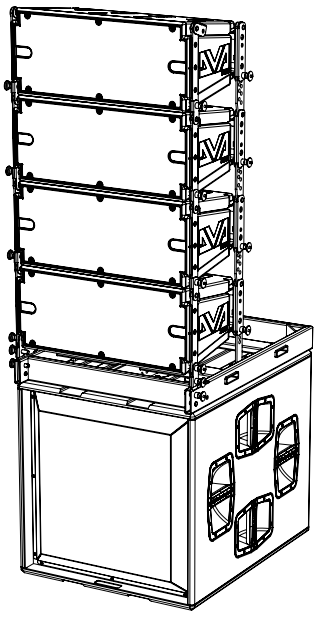
1.



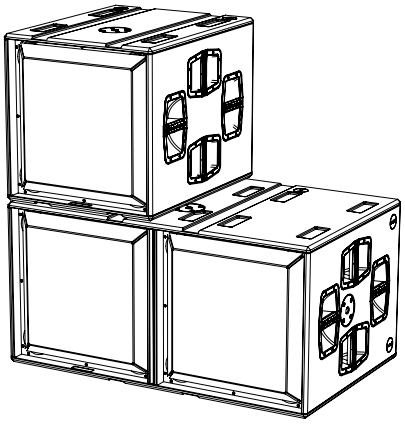
2.



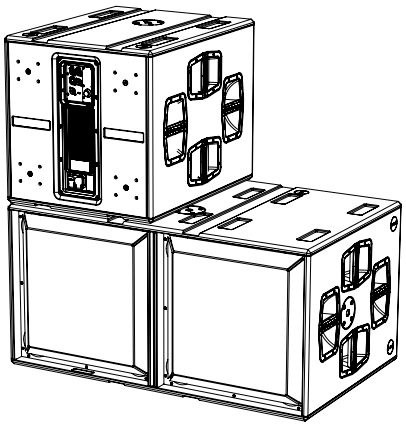
3.



4.



5.



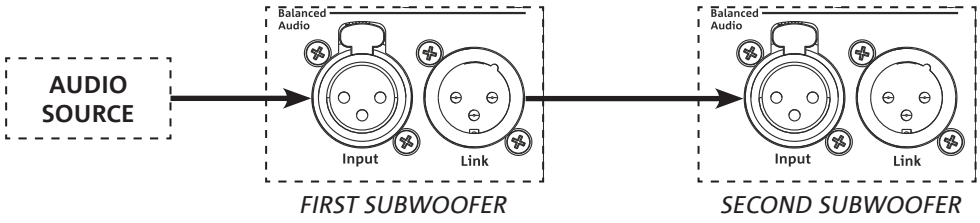
6.

1. **Stacked configuration IGS1, IG5TR with GSA-IG5TR mounting adapter**
2. **Stacked configuration IGS1, IG3TR with GSA-IG mounting adapter**
3. **Stacked configuration IGS1, DVA K5 line array with DRK-10 flybar**
4. **Stacked configuration IGS1, DVA K5 line array with DRK-20 flybar**
5. **Mix stacked configuration IGS1, IGS2**
6. **Mix cardioid configuration: IGS1 (cardioid), IGS2**

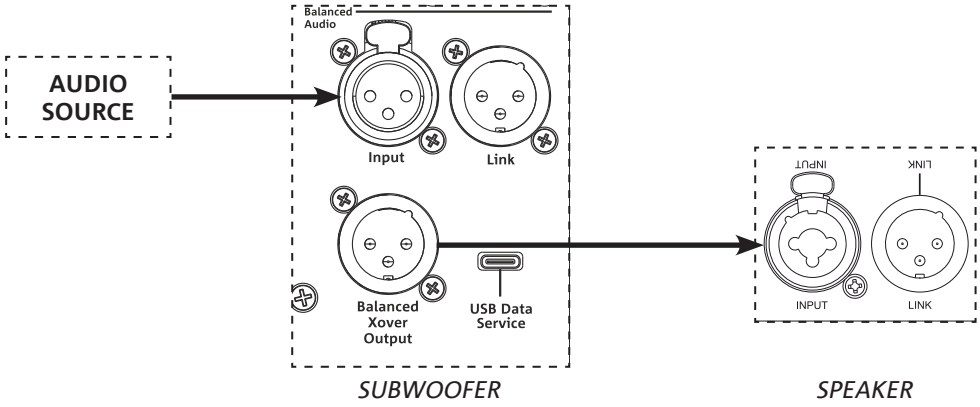
For more information about the allowed configurations, please refer to the accessories user manual.

TURN ON AND I/O SETTINGS

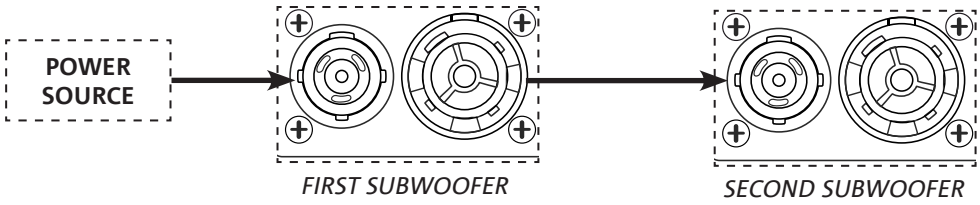
Connect first the audio source to the input socket (6); to link the audio signal to another subwoofer, please use a cable with XLR connectors (not supplied). Connect the Output Link (5) of the first, to the balanced Input of the second one, and so on.



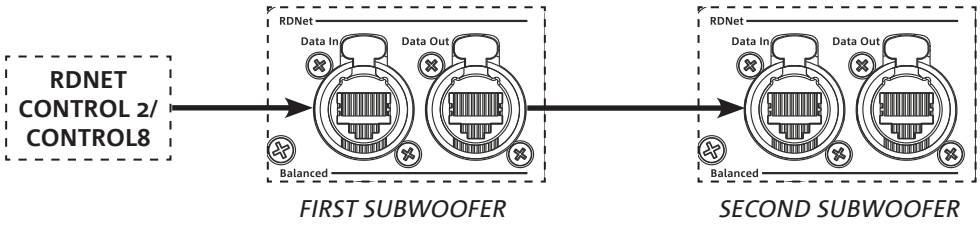
An audio signal filtered at the Xover frequency can be used when sending the subwoofer audio output directly to a speaker. Connect the subwoofer Balanced Xover Output to the Input of the speaker. The Xover frequency can be selected in the dedicated menu on the display.



Plug properly the mains POWERCON TRUE1 cable (supplied) in the related input (8) to turn on the system. To supply power to another speaker connect the Mains Link output (9) of the first speaker to the Mains Input of the second one and so on. To find out how many modules can be connected in a linked system, refer to the “TECHNICAL SPECIFICATIONS” or “CONNECTIONS” sections in the INGENIA IGS1 user manual.

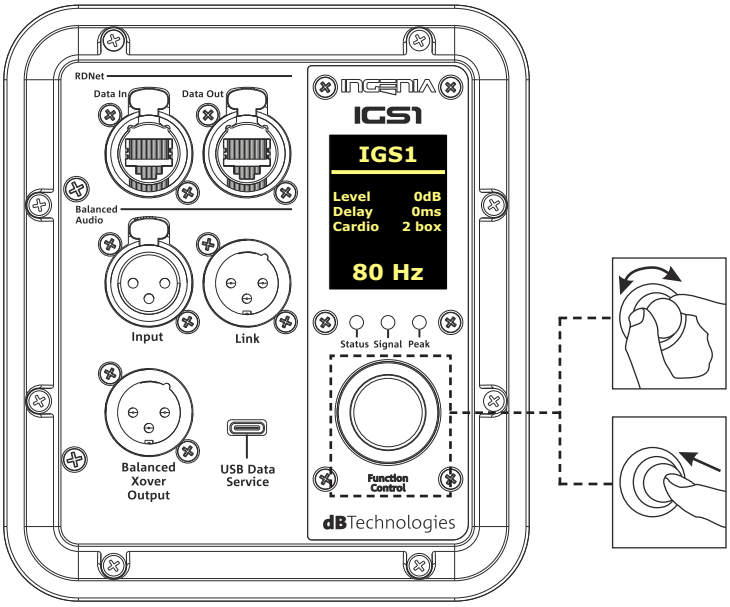


In case of remote control, connect the Data Input of the subwoofer to the hardware remote controller (RDNet Control 2 or RDNet Control 8) with cables equipped with etherCON connectors. Connect the Data Output of the first subwoofer, to the Data Input of the second one, and so on. Please refer to RDNet Control 2 or RDNet Control 8 user manuals for further information.



SETUP

The internal DSP provides an easy installation and allows to configure quickly the IGS1. Even the subwoofer is turned off, the settings will be saved for the next session. All the system parameters shown on the display can be edited by rotating and pressing the encoder.





In the Preset page, the user can save and load up to 5 custom presets.



The DSP page allows to set the acoustical data of the subwoofer (including Gain, Delay, High Pass Filter), choose the crossover modes and activate the cardioid configuration (with 2 or 3 subwoofers).



In the Settings page, the user can activate the display standby mode and adjust the brightness of the display.



The Info page shows the Amp and DSP temperature (Status), the sub Model, the firmware and the bootloader version actually installed on the subwoofer.



The Reset page allow to delete all the user presets and to restore the factory default.

IMPORTANT NOTES AND WARNINGS

EMI CLASSIFICATION
According to the standards EN 55032 and 55035 this is a class B equipment, designed and suitable to operate in residential environments.
FCC CLASS B STATEMENT ACCORDING TO TITLE 47, PART 15, SUBPART B, §15.105
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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, missing or damaged parts that may compromise safety during installation. If you use the loudspeakers outdoor avoid spots exposed to bad weather conditions.
Contact AEB Industriale s.r.l. for accessories to be used with speakers. AEB Industriale s.r.l. will not accept any responsibility for damages caused by inappropriate accessories or additional devices.

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.

IMPORTANT SAFETY INSTRUCIONS
1.Read these instructions
2.Keep these instructions.
3.Heed all warnings.
4.Follow all instructions.
5.Do not use this apparatus near water.
6.Clean only with dry cloth.
7.Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8.Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9.Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10.Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11.Only use attachments/accessories specified by the manufacturer.

12.Use only with the cart, stand tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution, when moving the cart/apparatus combination to avoid injury from tip-over.
13.Unplug this apparatus during lightning storms or when unused for long periods of time.
14.Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INSTRUCTIONS
- No naked flame sources, such as lighted candles, should be placed on the apparatus
- Do not use the apparatus in tropical climates


WARNINGS!
Only expert personnel may use the product and its accessories! 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. AEB Industriale shall not be liable for improper installation carried out without adequate safety measures.
Never suspend the speakers from the handles! Only use the accessories and configurations described in this manual, and proceed in accordance with the instructions given in the manuals for the accessories.
Do not obstruct the amplifier cooling fins at the back. In the event of overheating, the audio volume is gradually reduced until the module is thermally stable. The level is automatically restored on reaching the correct operating temperature.
Do not attempt to open the amplifier.
In the event of malfunction, immediately turn off the power, disconnect the unit from the mains and contact an authorised service centre.
Only use the power cable provided.
The USB SERVICE DATA connection is to be used exclusively for updating the product's firmware; do not connect any other USB device to the unit to avoid the risk of damage and malfunction.
Do not use the monitor for a prolonged period with the limiter LED steadily lit or flashing as this indicates operation under stress with excessive distortion.
Check periodically the integrity and the functionality of the accessories and the technical equipments for a safe installation. user should never apply a load that exceeds the working load limits of any rigging components or equipment here presented. design, calculation, installation, testing and maintanance 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.

NOTES

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

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