

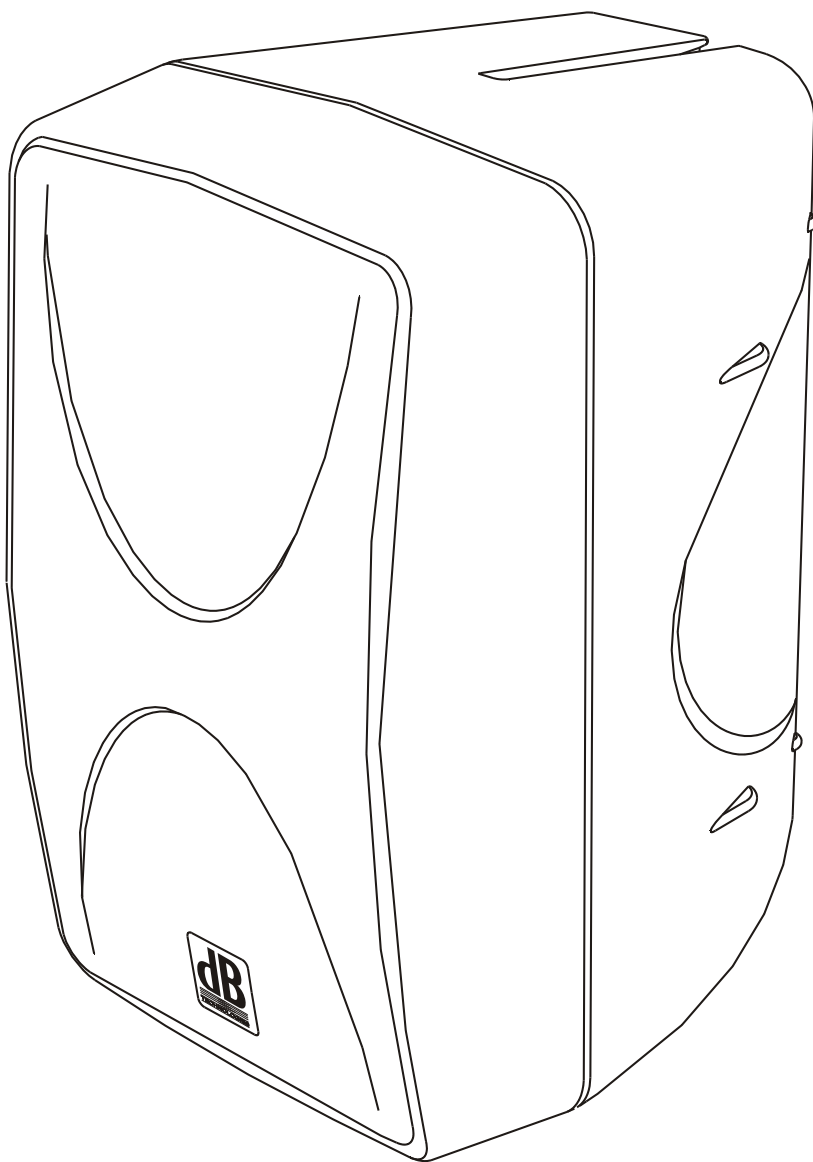
PROFESSIONAL
ACTIVE SPEAKER



K82

K162

SERIES



USER MANUAL



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE; REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.



This symbol wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Read the manual.

IMPORTANT NOTES

This manual is to be considered an integral part of the product, and must always accompany the equipment when it changes ownership, as a reference for correct installation and operation as well as for the safety regulations. The Manufacturing company will not assume any responsibility for incorrect installation of the amplifier.

Read these instructions

All the safety and operation instructions should be read before the appliance is operated.

Heed all Warnings

All warnings on the appliance and in the operating instructions should be adhered to

Long period non use of equipment

If long term non use of appliance is expected, it would be better to unplug this apparatus from power supply, put it into proper packaging and cover to avoid dust exposure.

Damage and repair

If apparatus has been damaged it is forbidden to repair it or to remove cover. Disconnect the unit from the mains power and contact technical assistance for repair.

INSTALLATION AND OPERATING PRECAUTIONS

GENERAL

Keep these instructions

For a correct use of the appliance, the safety and operating instructions should be retained for future reference.

Apparatus positioning

Make sure that the apparatus is positioned in a stable and secure way in order to avoid any dangerous conditions for persons or objects.

Grounding protection

The apparatus is made in protection CLASS I to prevent the risk of electrical shock the appliance must be connected to a mains socket outlet with a protective earthing connection. Before making the electrical connection of the appliance, ensure that the electrical distribution network conforms to the regulations regarding electrical equipment.

Power Source

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance (see "Specifications"). In order not to jeopardize the safety of the amplifier, it must only be connected to the mains using the power cable provided.

Disconnection from the mains

The power mains connector (VDE o POWER CON®) is the device to disconnect from the mains. This device must be easily accessible after installation.

Power Cord Protection

To ensure a safe use of appliance, use only the power cord supplied with the equipment, taking care to place it and protect it to avoid damage during use. If power cord becomes damaged contact technical assistance and request replacement. Do not use cables other than supplied cables.

Water and Moisture

Do not install this apparatus near water (e.g. near washbasins, sinks, showers, bathtubs, swimming pool, wet floors or anything in the presence of water and liquids in general).

Object and Liquid Entry

The apparatus must be placed in inappropriate position. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through cooling grid with consequent electrical danger.

Ventilation

The appliance should be situated so that its location or position does not interfere with its proper ventilation. Do not block or cover any openings of the grid ventilation or heatsink. Install the apparatus at a distance that ensures a good ventilation between devices.

Heat

Do not install the appliance near any source of heat.

Accessories and installation

It is obligatory to use only supports, brackets and accessories made by dB Technologies.

For a safe installation, do not make any holes in the external chassis for the application of additional brackets. In case of particular installations not described in this manual, contact technical service for accessories specified by the manufacturer.

Follow the instructions

All operations and instructions in this user manual should be followed for a correct operation and function of appliance. Pay attention in particular to:

- Never force the control elements (switches, controls, etc.).
- Do not force the amplifier to work in overload for extended periods of time.

Cleaning

Clean only with a dry cloth. Do not use solvents, alcohol, benzene or volatile substances for cleaning the exterior parts.

CONNECTION**CAUTION**

- For connecting the appliance, use only qualified and experienced personnel having sufficient technical knowledge or specific instructions for making the connections correctly and thus preventing electrical dangers.
- To prevent the risk of electrical shock, the appliance must only be supplied from the mains after all connections have been completed.
- Before powering up the appliance, it is advisable to re-check all the connections.
- The entire sound system must be designed and installed in compliance with the current standards and regulations regarding electrical systems.

SUGGESTIONS**CAUTION**

To prevent inductive phenomena from giving rise to hum or disturbance which would jeopardize efficient appliance operation, the cables that transmit microphone signals or line level signals (e.g. 0 dB/V) must be screened and should not be run in the vicinity of:

- 1) Equipment that produces strong magnetic fields (e.g. large power supply transformers)
- 2) Electrical energy conductors
- 3) Lines that supply speakers.

This device complies with European Directives 2006/95/EC and 2004/108/EC and is provided with CE marking.

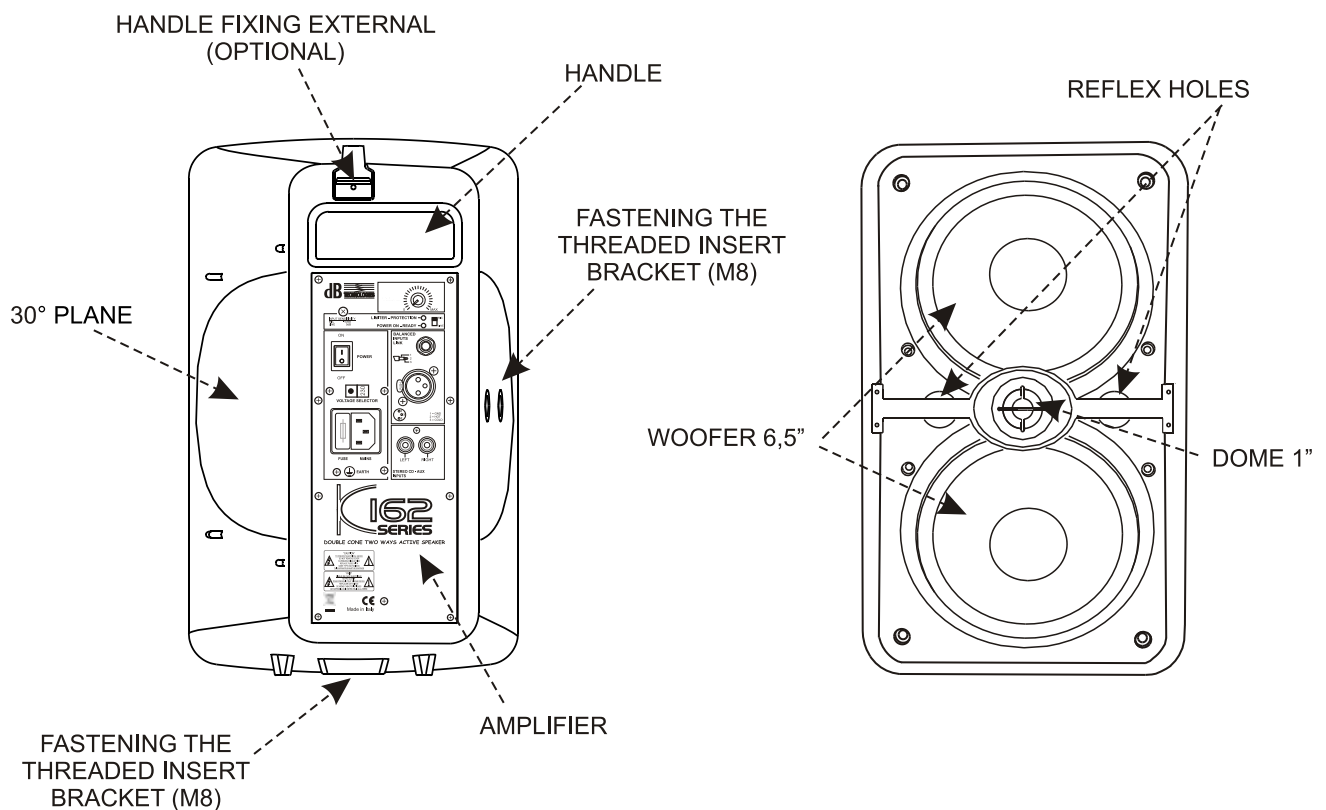
The respective declaration of conformity is available in AEB Industriale s.r.l.

EMI CLASSIFICATION

According to the standards EN 55103 this equipment is designed and suitable to operate in E3 (or lower E2, E1) Electromagnetic environments.

COMMANDS AND FUNCTIONS (FIG. 1 p.21)

- 1) **“VOLUME” CONTROL**
The knob regulates the diffuser's volume.
This control does not affect the output “LINK” levels.
- 2) **“LIMITER-PROTECTION” INDICATOR LIGHT**
The “LIMITER-PROTECTION” indicator light comes on red during start (for a few seconds) and when the internal audio limiter engages. This avoids the amplifier's distortion and protects the loudspeakers against overloads.
- 3) **SENSITIVITY SWITCH**
Position the switch in LINE to use a line level source (0 dB) or MIC to use a microphone.
- 4) **“POWER ON - READY” INDICATOR LIGHT**
The “POWER ON - READY” indicator light comes on green to indicate that the amplifier is switched on and it is working properly.
- 5) **“BALANCED INPUTS LINK” CONNECTORS**
These balanced inputs can be used to connect balanced or unbalanced microphones or audio sources at line level (0dB) (eg. preamplifier, mixer, recorder, CD player, musical instrument, ...).
The balanced connector is connected in parallel and can be used to send the audio signal to other amplified speakers, recorders or supplementary amplifiers.
- 6) **“STEREO CD-AUX” INPUT CONNECTORS**
Through the RCA phono connectors, this input permits easy connection of CD, DAT, cassette players, etc....
- 7) **POWER SWITCH “POWER”**
This switch can be used to switch the diffuser on and off.
- 8) **VOLTAGE CHANGE “VOLTAGE SELECTOR”**
For changing the power voltage of the speaker (240/120V).
This switch is preset and protected by the manufacturer.
- 9) **FUSE CARRIER “FUSE”**
Mains fuse housing.
- 10) **POWER CABLE SOCKET “MAINS”**
Used for connecting the power cable supplied.
For changing the power voltage of the speaker (240/120V).
This switch is preset and protected by the manufacturer.



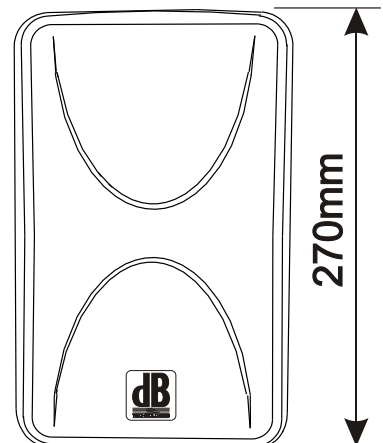
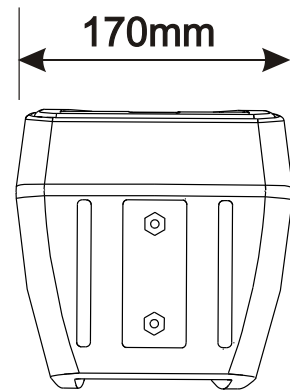
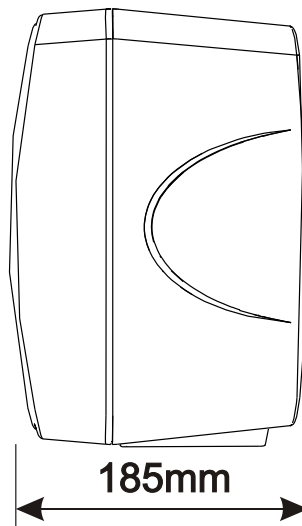
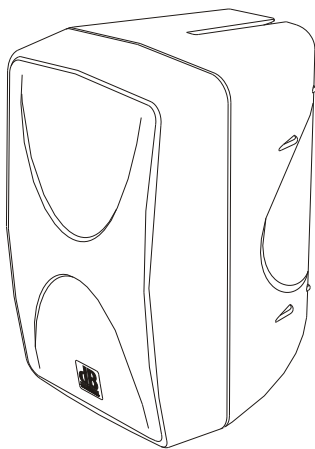
TECHNICAL SPECIFICATION

TECHNICAL FEATURES	K82	K162
System	Active	Active
Amplifier type	class AB	class AB
RMS power	40W	65W
Musical power	80W	160W
Frequency response	90 -18000Hz	85 -18000Hz
Crossover	4000 Hz 6dB/oct.	4000 Hz 6dB/oct.
Sound pressure (SPL)	103 dB max	110 dB max
Components	2x6,5" woofer 20mm coil 1 driver 1"	2x6,5" woofer 25mm coil 1 driver 1"
Input sensitivity LINE/MIC	-40dBu / 0dBu (switch)	-40dBu / 0dBu (switch)
Impedance LINE/MIC Balanced Unbalanced	LINE/MIC 30K Ω /1K2 Ω 15K Ω /600 Ω	LINE/MIC 30K Ω /1K2 Ω 15K Ω /600 Ω
Input sensitivity RCA	-10dBu	-10dBu
Impedance RCA	22K Ω	22K Ω
Power supply	see label box	see label box
Dimension (LxHxP)	210x350x270mm	210x350x270mm
Weight	4,4Kg	5,6Kg

PROTECTION SYSTEM

The speaker is equipped of a exclusive system, which protects the loudspeakers against overheating, ensuring the maximum reliability in all professional applications. In addition, a sophisticated system incorporated in the amplifier handles the limiter circuits and the protection against overheating and short circuits.

DIMENSIONS





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