

EXPECT THE BEST



V310/V310S LINE ARRAY LOUDSPEAKER



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**USER
GUIDE**

IMPORTANT SAFETY SYMBOLS



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

• Ventilation

Do not block areas of ventilation opening. Failure to do could result in fire. All channels install accordance with the manufacturer's instructions.

• Object and Liquid Entry

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

• Power Cord and Plug

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 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 is provided for your safety. If the provided plug does not fit into your outlet, refer to electrician for replacement.

• Power Supply

The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.



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.

IMPORTANT SAFETY INSTRUCTIONS

• Read these instructions.

• Keep these instructions.

• Heed all warning.

• Follow all instructions.

• Water & Moisture

The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

• Heat

The apparatus should be located a channel from the heat source such as radiators, stoves or other appliances that produce heat.

• Fuse

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

• Electrical Connection

Improper electrical wiring may invalidate the product warranty.

• Cleaning

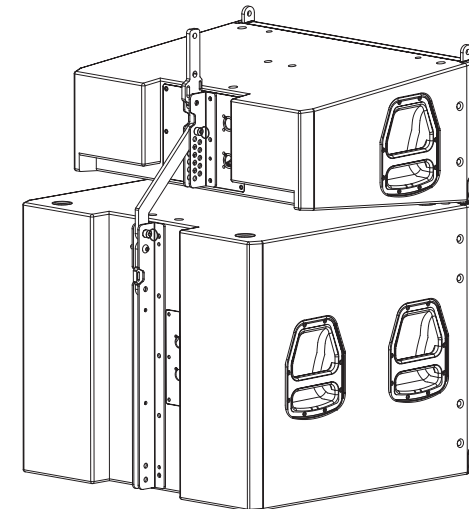
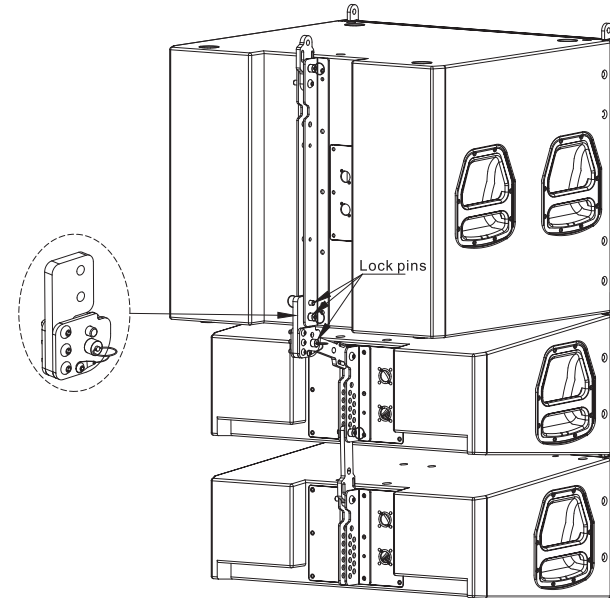
Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

• Servicing

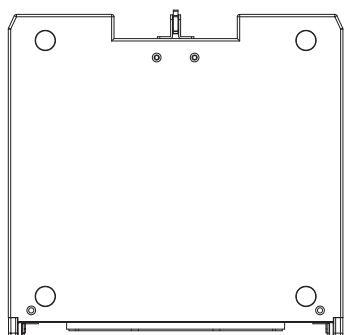
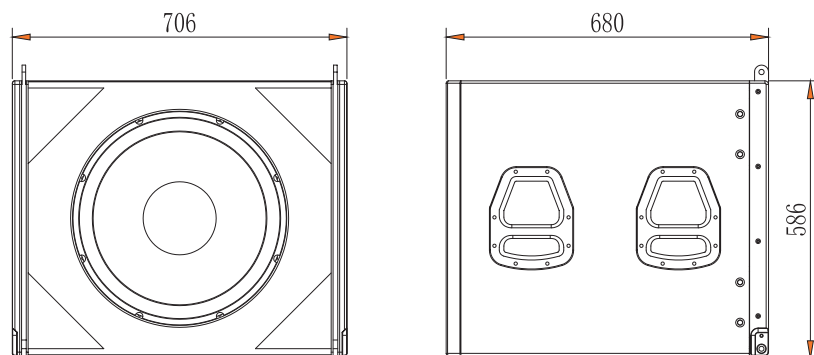
Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

• Only use accessories/attachments or parts recommended by the manufacturer.

Flyware and floor stacking installation diagram:



Model	V310S
Type	Line array subwoofer
Frequency response	35Hz~180Hz (-10dB) 40Hz~150Hz (±3dB)
Bass unit	1×18" / 4" voice coil
Sensitivity (1W@1m)	99dB
Rated impedance	8Ω
Power (RMS)	1000W
Mas SPL	135dB (peak)
Dimension (WxHxD)	706×580×680(mm)
Weight	52kg



Product introduction:

V310 line array element is a large 2-way drive full-range system. Provide a frequency range of 50Hz to 20KHz. Two 76mm (voice coil) neodymium magnetic tweeter compression driver customized by Italian B&C, one 8-inch neodymium magnetic mid-range driver and two 10 inch neodymium magnetic chassis form a group with great headroom, which greatly reduces the weight of the cabinet and provides an extremely high sound pressure/volume ratio.

The MF/LF part of V310 uses a pair of high-power 10 inch paper cone neodymium magnetic chassis. The MF part is composed of a high-sensitivity 8-inch neodymium magnetic MF driver, which is installed behind the tweeter to form a coaxial structure. The horn is loaded in front of the MF, improving the directivity and increasing the sensitivity of the MF high-end, while greatly reducing the distortion of the driver, creating a low curvature wavefront. In the HF part, two 76mm (voice coil) neodymium magnetic tweeter compression driver customized by Italian B&C are used, and a plane wave converter is used to convert the HF audio waveform from spherical wave to equal phase plane wave, which greatly reduces the HF interference effect and greatly improves the sound clarity at a long distance. At the same time, a constant directional horn with a 90 degree exponential curve is combined to produce a consistent wavefront.

The cabinet of V310 is trapezoidal. The gap between cabinet and cabinet has been reduced to the minimum. The adjustable angle of each cabinet is 0-10 degree and 1 degree. The V310 cabinet is equipped with a precision flying system. The connection angle between the cabinet and the cabinet can be adjusted at will between 0 ° and 10 ° of the connecting rod on the back of the cabinet to meet the needs of different occasions. The cabinet is installed on the surface of the loudspeaker with flush embedded handles. The handles are completely ergonomic, aesthetic and easy to handle. The surface of the cabinet is made of wear-resistant black gold sand paint.

Application:

- Large and medium-sized portable performances
- Large and medium-sized sports venues
- Theater and auditorium, etc

Model	V310
Type	Three - way passive line array
Frequency response	50Hz~20KHz (-10dB) 60Hz~18KHz (±3dB)
Coverage	90°(H) x 10°(V)
Bass unit	2×10" / 3" voice coil /neodymium magnet
Mid frequency unit	1×8" / 2" voice coil /neodymium magnet
HF unit	2×3" compression drive/neodymium magnet B&C customized
Sensitivity (1W@1m)	LF : 99dB MHF : 110dB
Rated impedance	LF : 16Ω MHF : 16Ω
Rated power	LF : 900W MHF : 400W
Mas SPL	LF : 135dB(peak) MHF : 142dB(peak)
LF and MHF recommended crossover	250Hz
Dimension (WxHxD)	706×304×526(mm)
Weight	34kg
Angle	0、1、2、3、4、5、6、7、8、9、10° adjustable

Product introduction:

V310S is a single 18 inch phase-inverted subwoofer, which can be matched with V310 loudspeaker to expand the system's LF response.

The V310S subwoofer uses a high-power subwoofer driver, which is completely free from the airflow noise when the ordinary subwoofer is in great dynamic state. It is a high-performance 18 "driver and uses a 100 mm voice coil paper cone. With a frequency response range as low as 40Hz (± 3dB), the V310S brings efficient and wide-range dynamic output. V310S can be used perfectly with V310 through flying and stacking on the ground.

V310S is made of reinforced birch composite plywood. Multiple strengthening structures are used inside the cabinet to fully reduce the energy loss caused by cabinet resonance, making LF stronger and more impactful under high-power and high sound pressure conditions. The double handles on both sides of the loudspeaker are convenient for handling, and the surface of the cabinet is sprayed with scratch resistant high hardness black gold sand paint.

Application:

- Large and medium-sized mobile performances
- Small and medium-sized sports venues
- Theater and auditorium, etc

