

EXPECT THE BEST



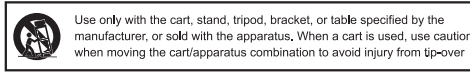
V10/V10S/V218S
Dual 10" Line Array System



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USER MANUAL

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.

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 bath-tub, kitchen sink or a swimming pool, etc.

• Heat

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

• Ventilation

Do not block areas of ventilation opening. Failure to do could result in fire. Always 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.

• 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

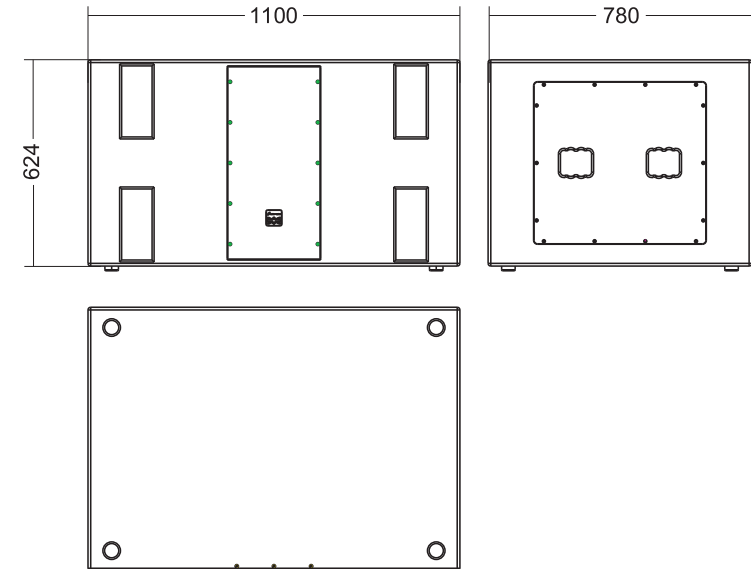
Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

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

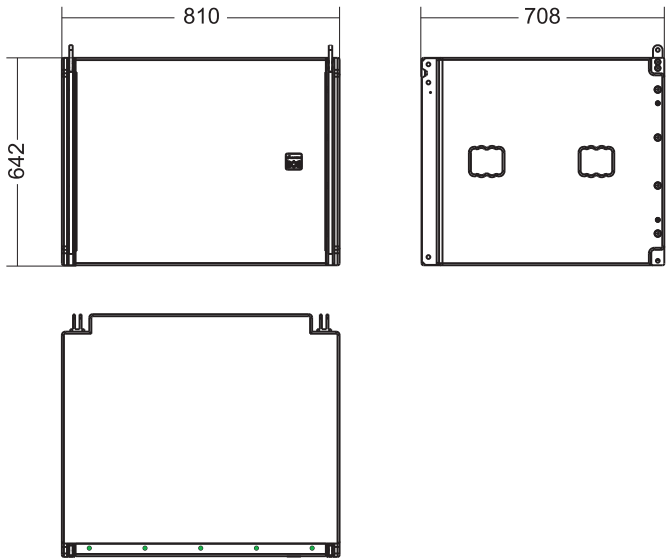
• Warning

Please remember the high sound pressure do not only temporarily damage your sense of hearing, but can also cause permanent damage. Be careful to select a suitable volume.

Directivity	N/A
Sensitivity(1w/1m)	LF: 103dB
Rated Power	2400W
Continuous Power	4800W
Peak Power	9600W
Nominal Impedance	4 Ohm
Max SPL	135dB(continuous) 141dB(peak)
Speaker Unit	2 x 18" woofer/100mm voice coil/1200W/NdFeB
Crossover	Active 25 ~ 80Hz recommended
Physical Data	
Dimension(HxWxD)	1100W×780H×624D
Weight	65kg
Connector	2 x Neutrik Speakon
Connection	1+1-..., LF, 2+2-...HF



Peak Power	4800W
Nominal Impedance	4 Ohm
Max SPL	133dB(continuous) 139dB(peak)
Speaker Unit	2 x 15" woofer/100mm voice coil/600W/NdFeB
Crossover	Active 60 ~ 120Hz recommended
Physical Data	
Dimension(HxWxD)	810W×708H×642D
Weight	45kg
Connector	2 x Neutrik Speakon
Connection	1+1-..., LF, 2+2-...HF



■ V218S

Type	Subwoofer
Frequency Response	40Hz ~ 250Hz(+3dB) 25Hz ~ 300Hz(-10dB)

1.APPLICATION

V10 system is a type pf high performance 2-way line array system, mainly used for small/medium size mobile amplifying venues, commercial performance, stadium, hall, theater, club, church, and as well as for the fill system of large size performance places.

2.INTRODUCTION

As a type of brand new compact high precision line array speaker system, Studiomaster V10 system aims to satisfy the purpose of high quality sound playback, flexible combo use and easy operation; according to brand new design philosophy and objective, this system focuses on high quality sound effect and facilitates transportation, installation and flexible combo use after a good number of researches and simulated experiments testifying the feasibility; because of the compact structure, multi-purpose application, impressive performance and powerful expanding possibility, it is perfectly suitable for the amplifying purpose at church, theater and other mobile amplifying venues that require high quality sound.

V10 combines 2pcs foreign customized 10" LF units and 2pcs foreign customized 44mm NdFeB HF units into an ultra high dynamic system featuring super light weight, compact structure and ultra high SPL; V10S is a type of woofer system specially designed to work with V10 for the expansion of frequency range to 35Hz, but still keeping ultra low power compression; optimized opening design can reduce air noise further;

3.FEATURES

- *Low system costs, super compact structure, high SPL, high clarity, low distortion, flexible combo use;
- *2-way linear dispersion provides distinct, full and magnificent sound;
- *Super low distortion 10" low/medium frequency transducer brings ultra low power compression under large dynamic;
- *Customized high quality 44mm Ti and NdFeB treble compressor;
- *Special design phase plug for less distortion and higher SPL;
- *High efficiency wave converter couples the point sources of high/medium frequency into a linear source;
- *Flat phase response provides super HIFI effect;
- *Russian birch plywood, CNC processing, complementary slotted structure, integrative rigid structure;

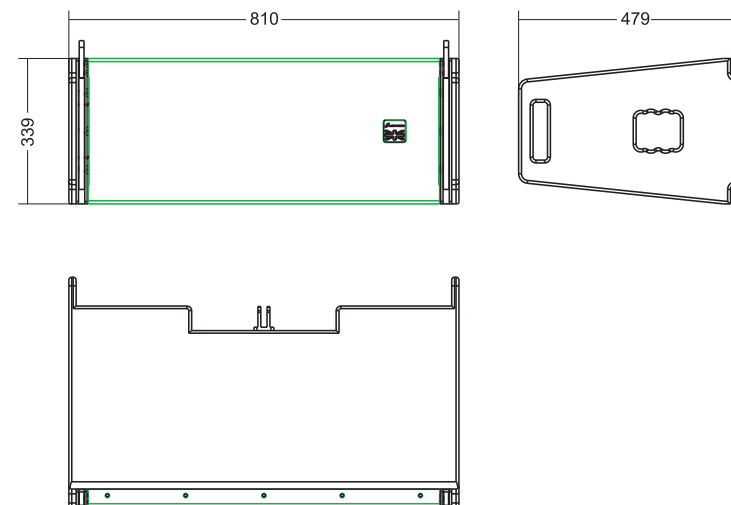
*Multilayer water-based polyurea surface treatment, favorable wearing and waterproof performance;
 *Convenient suspension system saves the user a lot of time;
 *Horizontal coverage reaches 120°, and vertical coverage varies with line array length;
 *Super high SPL output brings distinct and complete sound;
 *Minimum frequency response of the system reaches 30Hz when used with special subwoofer;
 *This system can be combined with other PA system into a perfect integrative solution to realize the function of digital signal processing, power amplifying, I/O routing and network monitoring;
 *Mobile solutions include additional wheel cart, suspension accessories, waterproof cover and rack.

4.SPECIFICATIONS

■ V10

Type	2-way line array system
Frequency Response	70Hz ~ 18KHz(+3dB) 55Hz ~ 20KHz(-10dB)
Directivity	120°(H)
Sensitivity(1w/1m)	HF: 110dB LF: 101dB
Rated Power	HF/LF: 100/500W
Continuous Power	HF/LF: 200/1000W
Peak Power	HF/LF: 400/2000W
Nominal Impedance	HF/LF: 4/4 Ohm
Max SPL	129dB/135dB LF:121/127dB
Speaker Unit	2 x 10" woofer/65mm voice coil/250W/ferrite 2 x 44mm/NdFeB/MYLAR/50W
Crossover	1.8KHz

Physical Data	
Dimension(HxWxD)	810W×479H×339D
Weight	35kg
Connector	2 x Neutrik Speakon
Connection	1+1-..., LF, 2+2-...HF
Suspension	0°, 1°, 2°, 3°, 4°, 5°, 6°,7°,8°,9°, 10° adjustable



■ V10S

Type	Subwoofer
Frequency Response	40Hz ~ 250Hz(+ 3dB) 35Hz ~ 300Hz(-10dB)
Directivity	N/A
Sensitivity(1w/1m)	LF: 102dB
Rated Power	1200W
Continuous Power	2400W