

EXPECT THE BEST

Studiomaster

LINE ARRAY V12W



Studiomaster

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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.

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 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.

7. Caution

1. The suspension load capacity must be four times of the product weight.
2. Do not destroy the finish on the grille.
3. Lock the signal connector well to prevent from water.

6. Specification

Model	V12W
Type	Three way line array
Frequency response	50Hz~20KHz (-10dB) 60Hz~18KHz (±3dB)
Coverage(H)(-6dB)	90°
Coverage(V)(-6dB)	8°
LF unit	2×12" (304 mm) / 4" voice coil
MF unit	4×6.5" (165 mm) / 2" voice coil/Nd magnet
HF unit	2×3" (74.46 mm) compression driver/Nd magnet
Sensitivity(1W@1m)	LF unit: 99dB MF unit: 103 dB HF unit: 110 dB
Rated impedance	LF unit: 8Ωx2 MF unit: 16Ω HF unit: 16Ω
Power	LF unit: 500W x 2 (continuous) , 2000W x 2 (peak)
	MF unit: 400 W (continuous) , 1600W(peak)
	HF unit: 180W (continuous) , 720W (peak)
Max SPL	LF unit:135dB
	MF unit: 135dB
	HF unit:139dB
Crossover	250Hz, 2kHz
Dimension(WxHxD)	1075×390×515 (mm)
Weight	77kg
Vertical dispersion	0° ~8° each step 2°



1. Introduction

V12W line array is a three way system with external crossover. The system features two 12 inch cone LF units, four 6.5 inch MF units of high sensitivity. MF phase plug improves directivity and sensitivity, and reduces the unit distortion. Two 44mm HF compound compression unit uses a plane wave converter to change the HF dome wave into the plane wave, thus to reduce HF interference, and improves the sound clearness. With the 90 degree constant directivity horn together, the system generates a sound wave plane.

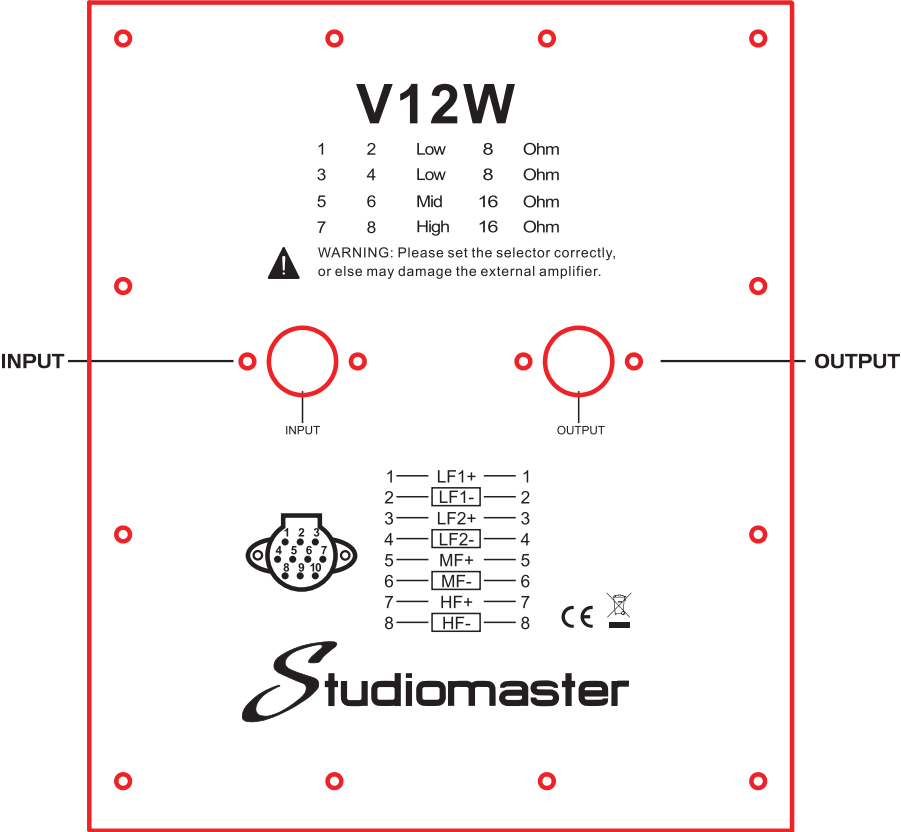
2. Features

- 1. High power/SPL
- 2. 90° (-6dB) horizontal MFHF coverage
- 3. Accurate Al alloy suspension parts, adjustable angle 0°—8°
- 4. 1mm polyurea finish for all weather applications;
- 5. The finish on the grille prevents from water/erosion/ultra-violet, and improves the air penetration.

3. Application

Large touring show, large/medium stadium/theatre/auditorium, etc

4. Rear panel



5. Accessories

V12W requisite accessory

V12W		
Pin	6pcs/unit speaker cabinet	

V12W requisite accessory /line array

No	Item	Qty	V12W
1	Truss	1pcs/line array	
2	Connection block(front) Connection block(back)	Each 2PCS/line array	
3	Truss suspension part	4PCS/line array	
4	Suspension part screw	4 sets/line array	
5	Ring	4PCS/line array	
6	Pin	8pcs/truss	