

EXPECT THE BEST

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Studiomaster
Since 1976

USER MANUAL
V12
Professional speaker

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. 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.



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 away 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.

V12 line array is three way system which provides 52Hz-20KHz frequency. The HF compression unit with two 76mm voice coil, and 10 inch MF unit and two 12 inch LF units offer sufficient headroom and high SPL, and make the system compact and light weighted.

The MF/LF part of V12 adopts a pair of 400W 12 inch cone LF units. The LF part consists of a 10 inch MF unit and is assembled behind the HF unit. Both of MF and LF units form a coaxial structure. The horn is designed before the MF unit to improve the directivity & sensitivity, and decreases the distortion. The HF part adopts 76mm compound diaphragm compression unit to convert the dome wave into plane wave via the converter, and to decrease the HF interference but increase the clearness. The whole system is also equipped with a 90 degree constant directivity horn to generate even wave.

The trapezoidal shape decreases the gap between cabinets. The adjustable angle of each cabinet is 0-7.5 degree, each step 1degree to meet the requirement of different applications. Metal grille protects the components inside. The ergonomic handle is convenient for transportation. Black paint finish is suitable for different weather.

Application

- touring show
- medium/large stadium
- theater

model	V12
type	three way line array
frequency response	52Hz~20KHz (-10dB) 62Hz~18KHz (± 3 dB)
coverage (H)(-6dB)	90°
coverage (V)(-6dB)	7.5° adjustable
LF unit	2×12" (304 mm) / 3" voice coil
MF unit	1×10" (165 mm) / 2.5" voice coil/Nd magnet
HF unit	2 × 3" (76 mm) compression driver/Nd magnet
sensitivity(1W@1m)	LF unit: 100dB MF unit: 105 dB HF unit: 113 dB
rated impedance	LF unit: 8 Ω MF unit: 8 Ω HF unit: 16 Ω
Power handling	LF unit:800W (Continuous) / 3200W (Peak)
	MF unit: 300 W (Continuous) / 1200W (Peak)
	HF unit: 160W(Continuous) / 640W (Peak)
max SPL	LF unit: 135dB
	MF unit: 136dB
	HF unit: 141dB
crossover	300Hz, 1.3KHz
dimension(WxHxD)	1043 × 364 × 535 (mm)
weight	62kg