

LA1428A

600W Active Line Array Loudspeaker



Description

This product is an actively powered line array speaker engineered for high-power output and high SPL capability. The enclosure is constructed from marine-grade plywood, ensuring exceptional reliability and durability in demanding environments, while all metal hardware is fabricated from high-quality aluminum alloy for enhanced corrosion resistance and structural integrity. The system is driven by a high-peak-capacity switching power supply coupled with an independent Class-D power amplifier module for efficient and robust power delivery.

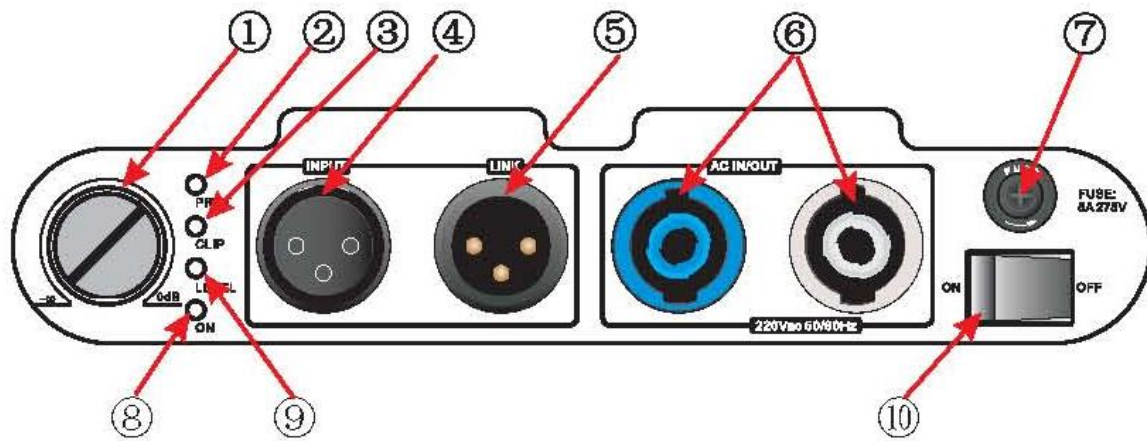
Features

- This system is a compact line array system engineered for high-power output and high SPL capability.
- Enclosure constructed from marine-grade plywood for superior reliability and durability, complemented by high-quality aluminum alloy hardware for all metal fittings.
- Powered by a high-peak-capacity switching power supply coupled with an independent Class-D power amplifier module.
- Exceptionally well suited for mobile and portable applications.

Specifications

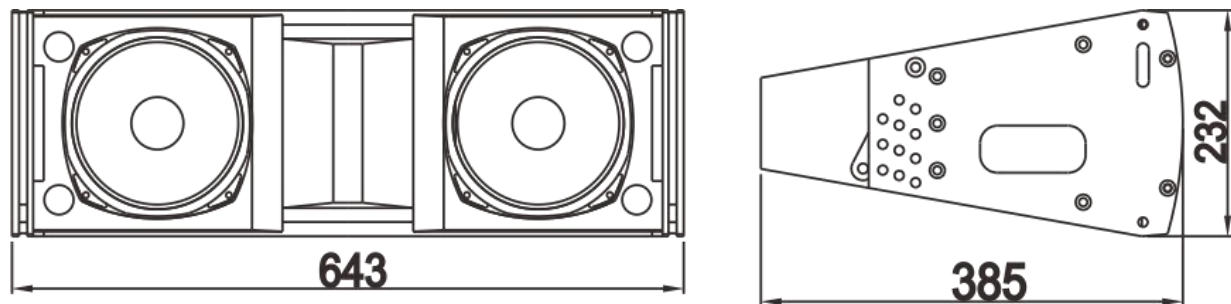
Model	LA1428A
Unit Structure	8" woofer×2, 1.75" tweeter×2
Frequency Response	70Hz-18kHz
Speaker Sensitivity (converted to 1m, 1W)	98±2dB
MAX. SPL.	124±2dB
Active Signal Input Impedance	20 kΩ
Amplifier Output Power	600W
Amplifier Input Sensitivity	0.775V
Directivity (H×V)	120°×5°-20° (Depend on the number of arrays)
Amplifier Distortion	<0.05%
Working Voltage	AC190V-240V~50Hz
Dimensions	643mm×385mm×232mm
Weight	17kg

Amplifier Panel



- ① Volume Knob: Rotate the knob to control the volume.
- ② Protection Indicator: If this indicator light is on, the amplifier is in a protection state.
- ③ Limit Indicator: If this indicator light is on, the amplifier is clipping, and the input level needs to be reduced appropriately.
- ④ Input Interface: XLR signal input (1: GND, 2: +, 3: -).
- ⑤ Output Interface: XLR input signal straight-through port. (1: GND, 2: +, 3: -)
- ⑥ Power Input: AC 220V 50Hz/60Hz.
- ⑦ Safety Device: 5A.
- ⑧ Power Indicator: If this indicator light is on, the power supply is connected.
- ⑨ Level Indicator: If this indicator light is on, the signal has been input.
- ⑩ Power Switch.

Basic Dimensions



Installation Method

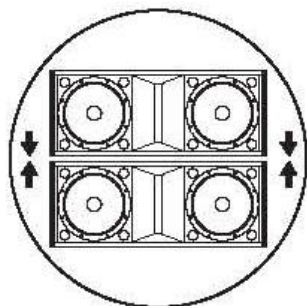


Figure A

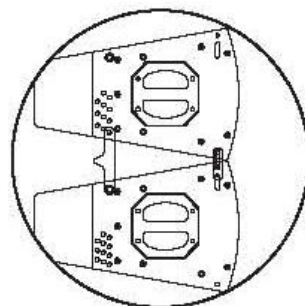


Figure B

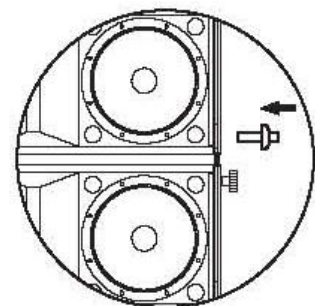


Figure C

1. Arrange the array speakers in parallel (Figure A).
2. Pull out the connectors and bolts (Figure B).
3. Align the connectors with the mounting holes as needed and insert the bolts (Figure C)