

LA1422A

500W Active Line Array Full Range Loudspeaker



Description

The LA1422A is a compact mini line array loudspeaker system engineered for professional sound reinforcement applications. It features a 10-inch low-frequency driver and dual 1.75-inch high-frequency drivers, delivering robust output with an extended frequency response and high SPL capability. Constructed with durable marine-grade plywood and complemented by high-quality aluminum alloy hardware, the system ensures reliable performance across diverse environmental conditions. Equipped with an integrated Class-D amplifier and high-efficiency power supply module, the LA1422A is ideally suited for mobile applications and small- to medium-scale live events.

Features

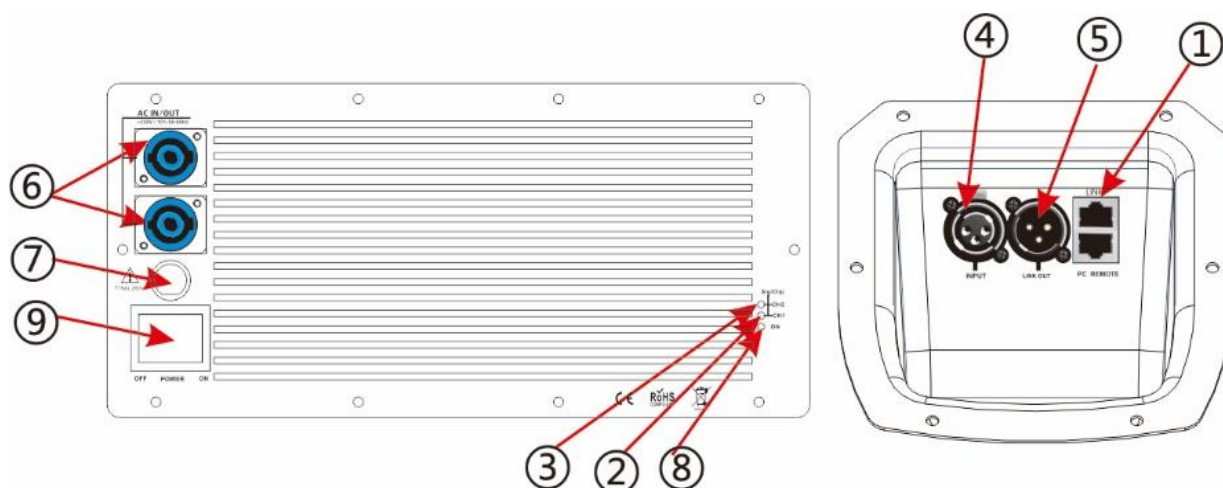
- System configuration comprises one 10-inch LF driver and two 1.75-inch HF drivers, delivering clear and balanced sonic reproduction.
- Frequency response ranges from 62Hz to 18kHz, with a rated sensitivity of 96dB.
- Maximum SPL reaches 121dB, providing ample headroom for demanding applications.
- Continuous power handling is rated at 350W (AES), driven by a built-in 500W power amplifier module.
- Class-D amplifier topology achieves low distortion performance of less than 0.05%.
- Enclosure constructed from marine-grade plywood, complemented by high-quality aluminum alloy hardware.
- Coverage angle is configurable at 120° horizontal with vertical adjustment from 5° to 20° depending on array configuration.
- RS485 control interface is provided, with support for dedicated converter connectivity.
- Equipped with XLR input and parallel output for convenient system integration and daisy-chaining.
- Compact form factor with a lightweight design of 18kg, making it well suited for mobile and portable applications.

Specifications

Model	LA1422A
Drive Unit	10" LF ×1, 1.75" HF ×2

Frequency Response	62Hz-18kHz
Sensitivity	96±2dB
Max. SPL	121±2dB
Speaker Continuous Power	350W (AES)
Directivity (H×V)	120°×5°~20° (Depending on the Number of Arrays)
Built-in Amplifier Input Impedance	20kΩ
Built-in Amplifier Output Power	500W
Amplifier Input Sensitivity	0.775V
Amplifier Distortion	<0.05%
Working Voltage	AC190V~240V/50Hz
Color	Black
Dimensions (H×W×D)	274mm×500mm×350mm
Net Weight	18kg

Front / Rear Panel



- ① Control Interface: Connected to the computer via RS485 (requires a dedicated RS232-to-USB converter).
- ② CH2 Signal Indicator: Flashing green for signal indication; red flashing indicates signal overload.
- ③ CH1 Signal Indicator: Flashing green for signal indication; red flashing indicates signal overload.
- ④ Signal Input: XLR signal input (1: Ground, 2: +, 3: -).
- ⑤ Signal Output: XLR parallel output (1: Ground, 2: +, 3: -).
- ⑥ Power Input Interface.
- ⑦ Fuse.
- ⑧ Power Indicator: Green indicates normal operation; red indicates protection mode.
- ⑨ Power Switch: ON = Power on, OFF = Power off.

Product Dimensions

