

LAM1430 & LAM1430SA

Compact Mobile Line Array Loudspeaker System



Description

The LAM1430 is a compact two-way passive loudspeaker system engineered for high-efficiency sound reinforcement. The system comprises two 1.75-inch tweeters and a single 10-inch woofer, forming a driver configuration with substantial headroom that delivers an exceptionally high SPL-to-weight ratio. A specially designed midrange phase plug is positioned in front of the woofer to mitigate comb-filtering interference in the midband and optimize off-axis directivity. The tweeter section is coupled with a plane-wave transducer to ensure coherent wavefront propagation and consistent coverage.

The LAM1430SA is an actively powered planar-waveguide loudspeaker system purpose-built to extend the low-frequency response of the LAM1430. This subwoofer features an 18-inch long-excursion driver with a 100mm voice coil for robust low-end output. The LAM1430SA employs an all-steel rigging system, allowing for both ground-stacked and flown configurations in combination with the LAM1430. The enclosure is constructed from 13-ply birch plywood and finished with a durable textured coating for enhanced resistance to wear and handling. An integrated digital power amplifier module is built into the LAM1430SA, capable of simultaneously driving one LAM1430SA and two LAM1430 units. The system incorporates a DSP-based audio processing module for precise tonal calibration and system optimization. Remote parameter adjustment and real-time control are enabled via an RJ45 network interface connecting to a PC.

The LAM1430 system is ideally suited for a wide array of applications, including small-scale mobile performances, sports arenas, theaters, nightclubs, banquet halls, and similar venues.

Features

- A compact line array loudspeaker system featuring an integrated digital signal processing (DSP) engine.
- Characterized by its diminutive footprint and sleek aesthetic, supplied with a dedicated flight case for enhanced portability and rapid deployment.
- Integrated design streamlines installation and ensures straightforward operation.

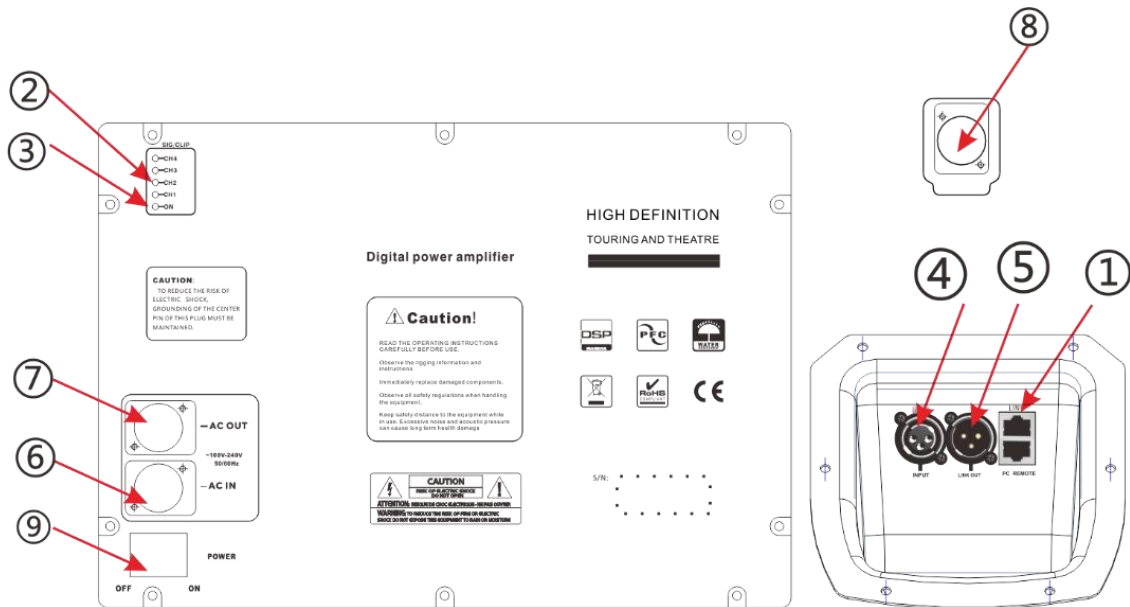
- Enclosure incorporates wear-resistant surface treatment, complemented by all-aluminum suspension hardware for durable and reliable rigging.

Specifications

Model	LAM1430
Unit Structure	10"MF×1, 1.75"HF×2
Frequency Response	65Hz-18kHz
Sensitivity	MF: 96±2dB / HF: 104±2dB
MAX. SPL.	MF: 120±2dB / HF: 126±2dB
Continuous Power (AES)	MF: 350W / HF:120W
Rated Impedance	MF: 16Ω / HF: 16Ω
Single Speaker Directivity (H×V)	100°×10°
Color	Black
Dimensions (W×H×D)	500mm×296mm×342mm
Weight	21kg

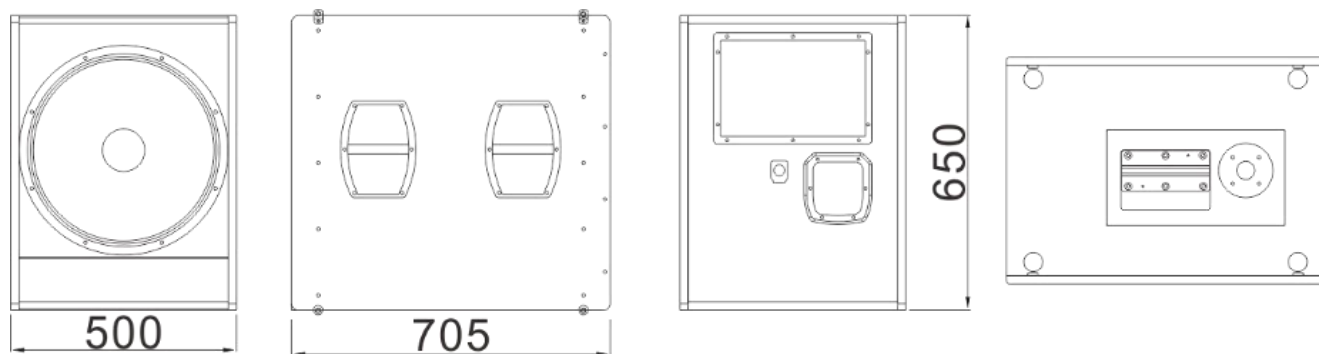
Model	LAM1430SA
Unit Structure	18" woofer ×1
Frequency Response	40Hz-220Hz
Speaker Sensitivity (converted to 1m, 1W)	99±2dB
MAX. SPL.	127±2dB
Active Signal Input Impedance	20 kΩ
Amplifier Power	4x900W
Continuous Power	800W (AES)
Amplifier Input Sensitivity	0.775V
Amplifier Distortion	<0.05%
Working Voltage	AC100~240V ~50/60Hz
Color	Black
Dimensions (W×H×D)	500mm×650mm×705mm
Weight	49kg

LAM1430SA Amplifier Panel

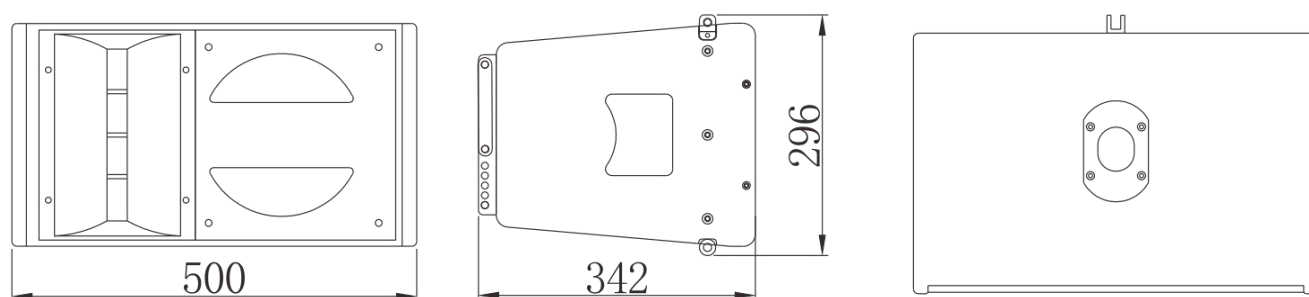


- ① Control Interface: Connected to the computer through RJ45, and also connect with computer via WIFI.
- ② Signal Indicator: Flashing blue for signal indication, while flashing red for signal overload indication.
- ③ Power Indicator: Blue for normal operation, while red for protection state.
- ④ Signal Input: XLR signal input (1: GND, 2: +, 3: -).
- ⑤ Signal Output: XLR input signal straight-through port. (1: GND, 2: +, 3: -)
- ⑥ Power Input: AC 100-240V 50Hz/60Hz.
- ⑦ Power Output: AC 100-240V 50Hz/60Hz.
- ⑧ CH3 & CH4 Power Output: Connect LAM1430 with special four-pin cable(MF: +1/-1, HF: +2/-2), only two LAM1430 can be connected in parallel at most.
- ⑨ Power Switch, ON for open, OFF for close.

LAM1430&LAM1430SA Basic Dimensions



LAM1430SA



LAM1430