

LAM1432 & LAM1432SA

Mobile Line Array Combination



Description

LAM1432 is a small two-way passive speaker system. The system consists of two tweeters with a voice coil diameter of 36mm and a 10" woofer, which forms a combination with a large headroom, providing an extremely high sound pressure/volume ratio. The front of the woofer is equipped with a specially designed intermediate frequency phase plug to prevent interference in the intermediate frequency band due to comb filtering and optimize the directivity of the intermediate frequency. The tweeter is combined with a plane wave transducer to generate a consistent wave front.

LAM1432SA is a planar waveguide active speaker system specially designed to complement LAM1432 low frequency. The system consists of an 18" 100mm voice coil long-stroke unit. LAM1432SA adopts all-steel suspension system, which can be stacked or suspended with LAM1432. The speaker box body is made of 13 layers of plywood, and the surface is treated with wear-resistant yarn points. It has a built-in three-channel digital power amplifier module to drive one LAM1432SA and two LAM1432 at the same time. It adopts a DSP digital audio processing module with one input and three outputs for timbre correction and can connect a computer via RS485 to adjust system parameters.

It is worth noting that in this combined system, the LAM1432 uses all-neodymium Celestion units from the UK, delivering clear, detailed, and natural sound. The LAM1432SA features an 18-inch Celestion low-frequency driver with a 100 mm voice coil and 220 mm magnetic circuit, producing powerful, stable bass. Its built-in German-engineered amplifier and original German DSP processor ensure precise signal processing, system stability, and wide dynamic range. Together, they form an upgraded system that delivers high-quality, detailed, and layered sound.

Features

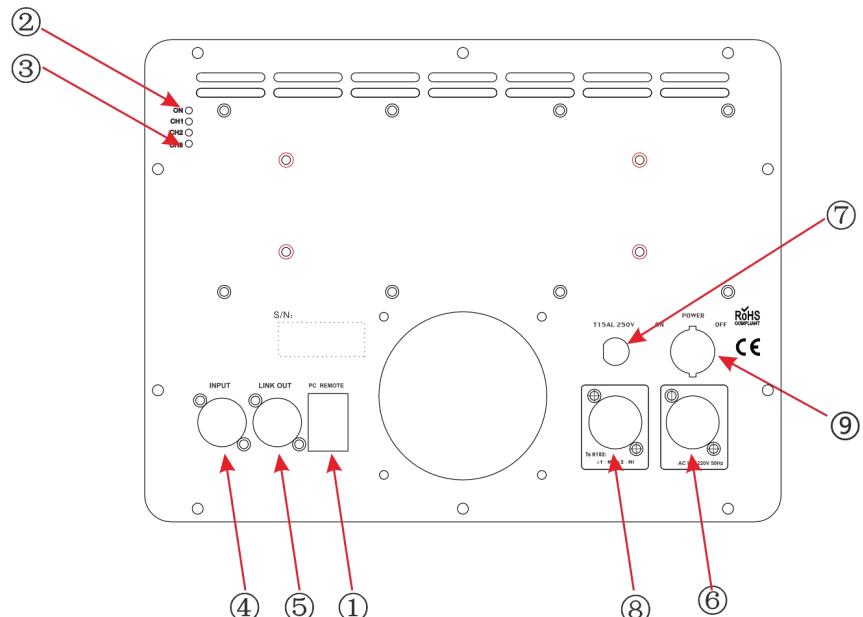
- A small line array speaker system with built-in processor (DSP).
- Small in size, beautiful in shape, equipped with special flight case, with strong mobility.
- With integrated design and installation, easy to use.
- Adopt wear-resistant surface treatment, with all-aluminum hanging parts.
- The system is suitable for small mobile performances, stadiums, theaters, bars, banquet halls and other places.

Specifications

Model	LAM1432
Unit Structure	10"MF×1, 1.4"HF×2
Frequency Response	65 Hz – 18 kHz
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: 4Ω / HF: 16Ω
Single Speaker Directivity (H×V)	100°×10°
Color	Black
Dimensions (W×H×D)	500mm×296mm×342mm
Weight	20kg

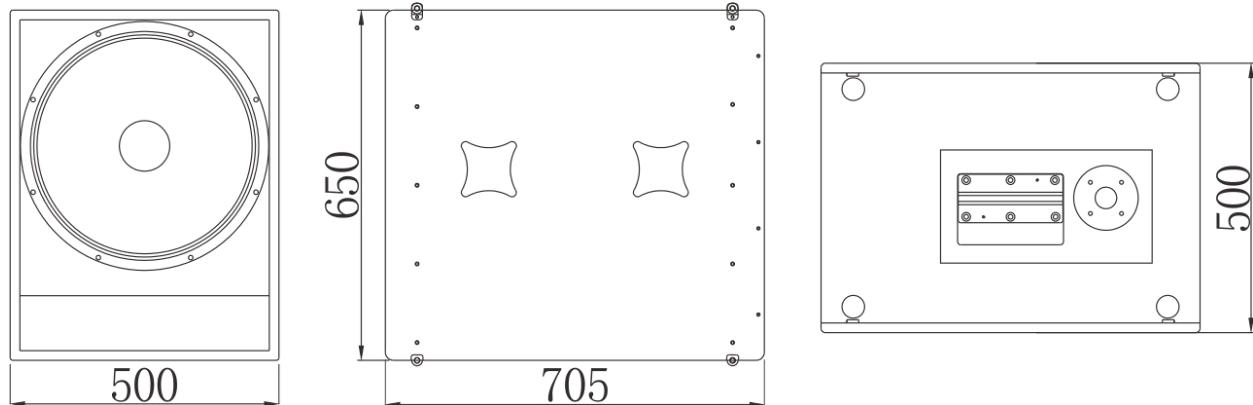
Model	LAM1432SA
Unit Structure	18" woofer ×1
Frequency Response	38 Hz – 220 Hz
Speaker Sensitivity (converted to 1m, 1W)	99±2dB
MAX. SPL.	127±2dB
Active Signal Input Impedance	20 kΩ
Amplifier Power	1500W+900W+900W@4Ω
Continuous Power	800W (AES)
Amplifier Input Sensitivity	0.775V
Amplifier Distortion	<0.05%
Working Voltage	AC220V~50/60Hz
Color	Black
Dimensions (W×H×D)	500mm×650mm×705mm
Weight	48kg

LAM1432SA Amplifier Panel

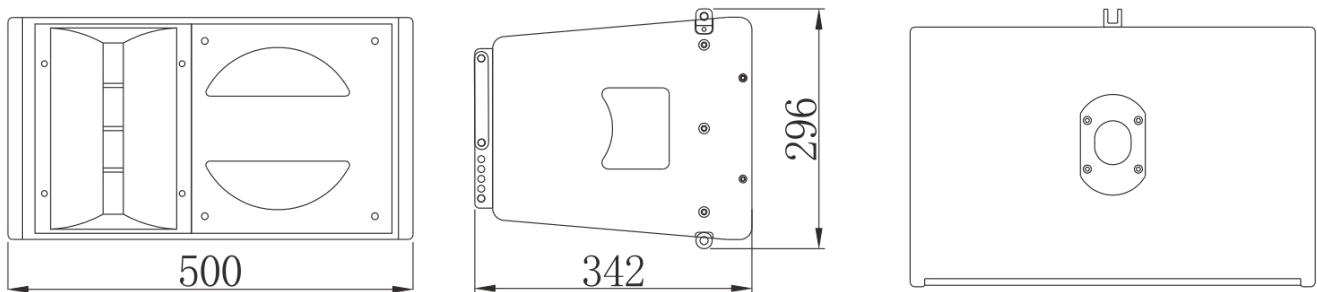


- ① Control Interface: Connected to the computer through RS485, and a RS232-USB interface is required for conversion.
- ② Signal Indicator: Flashing blue for signal indication, while flashing red for signal overload indication.
- ③ Power Indicator: Blue for normal operation, while red for protection 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 220V 50Hz/60Hz.
- ⑦ Safety Device: 15A.
- ⑧ CH2 & CH3 Power Output: Connect LAM1432 with special four-pin cable, only two LAM1432 can be connected in parallel at most.
- ⑨ Power Switch, ON for open, OFF for close.

LAM1430&LAM1430SA Basic Dimensions



LAM1432SA



LAM1432