

LA-4240 LA-15SUB

Professional Versatile Column Array Loudspeaker System



Description

The LA-4240 is a compact line-array element featuring a 4.5-inch full-range driver, engineered to deliver balanced reproduction for both speech and music. The LA-15SUB is an actively powered subwoofer equipped with onboard digital signal processing and a precision-tuned 15-inch woofer, optimized for high-output performance and superior sonic accuracy. When deployed as a dedicated cluster comprising two LA-4240 units and one LA-15SUB, the system offers articulate high-frequency clarity, robust low-end extension, straightforward and time-efficient rigging, and a maximum SPL that substantially exceeds that of comparable solutions in its class. Its exceptional throw capability makes it well suited for demanding acoustic environments, including houses of worship, museum installations, live sound reinforcement, transit hubs, sports venues, government chambers, corporate boardrooms, lecture halls, retail spaces, and audiovisual demonstration facilities.

Features

- All-weather outdoor-rated waterproof construction with full aluminum alloy enclosure for enhanced durability and environmental protection.
- Delivers articulate and transparent sound reproduction, with well-defined mid-high frequency response and tightly controlled, impactful low-frequency output.
- Enables rapid, tool-efficient installation with flexible rigging options, while offering exceptional long-throw projection capability for large-span venues and outdoor applications.

- Integrates onboard DSP-based audio processing engine paired with a high-efficiency active power amplifier module for optimized system performance.
- When deployed as a subwoofer-satellite configuration with two full-range columns, forms a high-output sound reinforcement solution featuring multiple selectable preset tunings to accommodate varied program material.
- Suitable for a wide range of applications, including houses of worship, museum installations, live sound reinforcement, transit hubs, airport terminals, sports facilities, government chambers, corporate boardrooms, lecture halls, retail environments, and audiovisual demonstration spaces.

Specifications

Model	LA-4240
Frequency Response ($\pm 3\text{dB}$)	110Hz~17kHz
Frequency Range (-10dB)	80Hz~20kHz
Nominal Directionality (-6dB)	Horizontal 120°×Vertical 160°
Speaker Unit	4×4.5" Full Range Unit (Per)
Rated Impedance	8 Ω
Sensitivity (1m/1W)	99dB
Rated Power (AES/Peak)	240W / 960W
Max. SPL.	122dB (continuous) / 128dB (Peak)
Product Dimensions (H×W×D)	496mm×125mm×138mm
Net Weight	6.8kg

Model		LA-15SUB
Frequency Response (±3dB)		40Hz~250Hz
Frequency Range (-10dB)		35Hz~300Hz
Speaker Unit		1×15”Bass (220magenetic/4”(100mm)voice coil)
Rated Power (AES/Peak)		600W / 2400W
Rated Impedance		8Ω
Max. SPL.		126dB (continuous) / 132dB (Peak)
Amplifier Module	Input Working Voltage	AC90V~260V PFC, 50Hz/60Hz
	Power Input Interface	Power CON
	Output Power	4Ω/600W + 8Ω/1200W
	Frequency Response (0/-0.5dB)	20Hz~20kHz
	SNR	≥101dB (20Hz~20kHz, A-weighting)
	THD	≤0.05
	Damping Factor	≥600@100Hz
	Amplifier Output Interface	One four-core professional speaker socket, output +1, -1
	DSP Module Sampling Frequency	96k / 24bit
	Input Sensitivity@80	1.2V/4dBu
	Input Output Interface	XLR-F/M
	DSP Channels	1 In 2 Out DSP
	Preset Program	8 PCS

Product Dimension
(H×W×D)

600mm×460mm×540mm

Product Weight

28.6kg

Connection and Installation

