

LA-4240B LA-150SUB

Professional Line Array Speaker System



Description

The LA-4240B is a compact linear array speaker featuring four 4" full-range drivers, designed for both voice and music applications. The LA-150SUB, an active subwoofer with advanced digital signal processing, is equipped with a powerful 15" woofer and a high-power amplifier module, ensuring exceptional output and reliable audio performance.

For added convenience, the full-range speakers can be detached and stored inside the bass reflex port of the subwoofer, making the system even more portable and compact.

When paired together, two LA-4240B speakers and one LA-150SUB subwoofer deliver a clear, vibrant sound with deep bass, offering easy installation and a high sound pressure level that surpasses similar products. The system's impressive outdoor projection range makes it ideal for various venues, including churches, museums, live sound events, train stations, airports, sports facilities, legislative buildings, conference rooms,

lecture halls, shopping malls, and A/V demo halls.

Features

- 4 × 4" full-range speaker units for high clarity and balanced sound reproduction across a wide frequency range.
- 15" woofer unit in the subwoofer for powerful low-frequency output, enhancing bass performance.
- Telescoping support pole with cable for easy adjustment and flexibility during setup, ensuring ideal sound projection.
- Full-Range Speaker with Aluminum Alloy Enclosure and waterproof sound mesh for durability.
- Detachable full-range speakers that can be conveniently stored inside the bass reflex port of the subwoofer for compact storage and transport.
- Equipped with four 4-inch silent wheels with brakes, ensuring easy mobility and stability during setup and use.
- The system is suitable for both mobile and fixed installations, such as banquet halls, conference rooms, and outdoor venues.

Specifications

Model	LA-4240B
Speaker Unit	4 × 4" Full-range Drivers
Rated Power	280W @ 8Ω / 800W (peak)
Frequency Range	100Hz-20kHz
Sensitivity(1W/1m)	98dB
SPL	120dB (Continuous), 130dB (Peak)
Nominal Impedance	8Ω
Nominal Coverage Angle (H × V)	120° × 80°
Crossover Frequency	120Hz
Connectors	Two Neutrik NL4 Sockets (1-/1+)
Enclosure Material	Aluminum Alloy
Product Dimension(W × H × D)	125 × 500 × 138mm
Product Weight	7.2kg

Model		LA-150SUB
Speaker Unit		1 × 15" Woofer, 220mm magnet / 100mm voice coil
Rated Power		700W (Continuous), 1600W (Peak)
Frequency Response		32Hz - 300Hz
Sensitivity(1W/1m)		97.5dB
SPL		130dB (Continuous), 136dB (Peak)
Nominal Impedance		8Ω
Crossover Frequency		120Hz
Connectors		One Neutrik NL4 Socket
Product Dimension(W×H×D)		500 × 486 × 550mm
Product Weight		35kg
Amplifier Module	Power Configuration	1200W + 800W @ 8 Ω
	Frequency Response	20Hz - 20kHz (-0.5dB at 1/8 Output Power)
	SNR	≥101dB (A-Weighted)

Damping Factor	500
Input Sensitivity/Impedance	1.2V / 22k Ω
THD	$\leq 0.05\%$
Input Voltage	$\sim 190V-240V$ 50/60Hz
Output Circuit Type	Class D
Protection Features	Overload Protection, Overvoltage Protection, Undervoltage Protection, Overheat Protection, Short Circuit Protection, DC Protection, etc.
DSP Decoder Chip	96kHz Sampling Rate

Amplifier Module Function Description



Five Mode Explanations

- Mode 1: Outdoor Mode – Channel A signal input, controlling both the full-range speaker and subwoofer.
- Mode 2: Indoor Mode – Channel A signal input, controlling both the full-range speaker and subwoofer.
- Mode 3: Outdoor Mode – Channel A and B signal inputs simultaneously, with A controlling the subwoofer and B controlling the full-range speaker.
- Mode 4: Indoor Mode – Channel A and B signal inputs simultaneously, with A controlling the subwoofer and B controlling the full-range speaker.
- Mode 5: Conference Mode – Channel A signal input, controlling both the full-range speaker and subwoofer.

Precautions

- The signal overload indicator light should not remain constantly on!
- It is recommended to use a power cable of at least 3*2.5mm².
- Handle the column speaker with care!
- It is recommended to turn the volume knob to the maximum setting.