

LA-4240B LA-150SUB**Professional Line Array Loudspeaker System****Description**

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

For enhanced portability, the full-range speakers can be detached and conveniently stored inside the subwoofer's bass reflex port, significantly reducing the system's footprint during transport.

When deployed as a complete system—two LA-4240B units paired with one LA-150SUB—it produces clear, vibrant sound with deep bass extension. The system offers easy installation and achieves a high sound pressure level that outperforms comparable products. With impressive outdoor projection capabilities, it is

ideally suited for a wide range of venues, including churches, museums, live sound events, train stations, airports, sports facilities, legislative buildings, conference rooms, lecture halls, shopping malls, and A/V demonstration rooms.

Features

- Full-range drivers: 4 × 4" units deliver high clarity and balanced sound across a wide frequency range.
- Subwoofer: 15" woofer provides powerful low-frequency output for enhanced bass.
- Telescoping support pole: Integrated cable allows easy height adjustment and flexible positioning for optimal projection.
- Durable construction: Aluminum alloy enclosure with waterproof sound mesh ensures long-lasting reliability.
- Compact storage: Full-range speakers detach and store inside the subwoofer's bass reflex port for easy transport.
- Mobility: 4 × 4" silent wheels with brakes provide smooth movement and secure setup.
- Versatile applications: Suitable for both mobile and fixed installations—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 / 22kΩ
THD	≤0.05%
Input Voltage	~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.