

## LA-4530 LA-4530S

### Line Array Loudspeaker System



#### Description

The LA-4530 full-range loudspeaker is equipped with four 4.5-inch ferrite full-range drivers, each featuring a 35mm voice coil, alongside a 25mm dome tweeter, and integrates a built-in passive crossover network. The 4.5-inch transducers utilize thermally formed polymer foam surrounds, which provide excellent suspension compliance and contribute to a well-extended, smooth frequency response. The enclosure is fabricated from 2.5 to 6mm extruded aluminum alloy, finished with sandblasting and electrophoretic coating to ensure robust waterproofing and UV resistance; this construction yields structural strength 4.5 times that of conventional wooden cabinets, along with exceptional corrosion resistance. Internal bracing is reinforced with aluminum alloy ribs, and dovetail-style universal slots on both side panels allow for versatile system coupling and flexible configuration. Each cabinet is provided with two sets of rear-panel power input connectors to support parallel wiring, and multiple pre-drilled mounting points are incorporated for convenient wall-bracket attachment. Critical high-stress areas — particularly around the driver mounting zone and rear support — feature a 2.5-times thickening of the aluminum extrusion to guarantee long-term mechanical reliability. The top and bottom ends are sealed with injection-molded nylon caps made from polyamide fiber, a material widely adopted in loudspeaker construction for its high mechanical strength, toughness, and impact resistance. An 8mm threaded insert on the top cap enables horizontal line-array deployment, while a conduit outlet is reserved at the base for neat cable routing. This loudspeaker delivers pristine, full-range audio performance without requiring an additional subwoofer, making it highly suitable for classrooms, conference rooms, lecture halls, shopping malls, high-speed rail stations, airports, cafés, home theaters, Hi-Fi listening environments, and numerous other applications.

The accompanying LA-4530S active subwoofer houses an integral amplifier module rated at 300W + 1100W, ensuring generous headroom for demanding program material. It incorporates a 15-inch PA driver within a

band-pass enclosure design, allowing seamless integration with the LA-4530 column speaker to form a complete, self-powered sound reinforcement system. This subwoofer is ideally suited for high-end, large-scale conference sound reinforcement, major indoor and outdoor events, as well as personal outdoor performances and party venues.

## Features

### LA-4530 Passive Column Speaker

- Equipped with 4×4.5" full-range drivers and 1×1" tweeter, delivering detailed and well-balanced audio across the entire frequency spectrum.
- High-performance full-range driver configuration with a built-in passive crossover ensures seamless frequency transition and optimized sound reproduction.
- Durable aluminum alloy enclosure provides strong protection against wear and environmental factors, ensuring long-lasting reliability.
- Stable structure with flexible installation options and support for parallel connection, allowing easy system expansion and integration.
- Lightweight design makes it suitable for a wide range of settings, delivering excellent sound quality even without the need for a subwoofer in many applications.
- Outstanding acoustic performance ensures clear, natural sound reproduction, making it ideal for use in a variety of environments.

### LA-4530S Active Subwoofer

- Built-in 1400W high-power amplifier paired with a 1×15" bass driver delivers powerful, deep bass performance with substantial impact.
- Frequency response of 35-150Hz and a maximum sound pressure level of 129dB ensure excellent sound quality with extended low-frequency output.
- Plywood enclosure offers sturdy, durable construction while remaining easy to transport for mobile applications.
- Ideally suited for high-end conferences, indoor and outdoor performances, and outdoor parties, providing reliable audio reinforcement in diverse settings.

## Specifications

| Model                        | LA-4530              |
|------------------------------|----------------------|
| Speaker Driver               | LF: 4×4.5", HF: 1×1" |
| Rated Power                  | 350W                 |
| Impedance                    | 8Ω                   |
| Dispersion Angle             | 100°×100°            |
| Sensitivity                  | 92dB                 |
| MAX. SPL.                    | 118dB                |
| Frequency Response           | 40-19.5kHz           |
| Suspension Bracket           | Provided             |
| Enclosure Material           | Aluminum alloy       |
| Enclosure Dimensions (W×D×H) | 140×191×716mm        |
| Package Dimensions (W×D×H)   | 220×290×815mm        |
| Package Volume (m³)          | 0.05m³               |
| Net Weight                   | 10kg                 |
| Gross Weight                 | 12.5kg               |

| Model                            | LA-4530S           |
|----------------------------------|--------------------|
| Speaker Driver                   | LF: 1×15"          |
| Module Power                     | 300W+1100W         |
| Rated Power                      | 400W               |
| Impedance                        | 20kΩ               |
| Sensitivity                      | 100dB              |
| MAX. SPL.                        | 129dB              |
| Frequency Response               | 35-150Hz           |
| Suspension Bracket               | Not provided       |
| Enclosure Material               | 18mm plywood       |
| Enclosure Dimensions (W×D×H)     | 430×567×700mm      |
| Package Volume (m <sup>3</sup> ) | 0.17m <sup>3</sup> |
| Net Weight                       | 34kg               |
| Gross Weight                     | 39kg               |