

LA-8300 LA-212SUB

Active Line Array Speaker System



Description

LA-8300 adopts eight 3" high-efficiency neodymium magnetic midrange speakers and eight 1" direct radiating neodymium magnetic tweeters; all units are selected from Lavoco speakers, an Italian brand, with high-efficiency midrange frequency, sufficient energy, transparent sound, and clear and bright high frequency.

With compact structure, the high-strength speaker box is wear-resistant, using precise CNC machining combined with complex wedging process for good pressure resistance, sprayed with water-based environmental protection paint, beautiful and elegant. The speaker system consists of two 12" neodymium magnetic woofers, with full and powerful low-frequency sound and deep dive. It adopts high-power single-channel "Class-D" amplifier module with DSP filtering and control system, which is convenient for setting and retrieving parameters of different scenes, ensuring sound reproduction and stability, and adapting to the needs of different scenes. The amplifier module is provided with a cooling device, which facilitates cooling and ensures the stability of the amplifier. Equipped with professional hanging parts, it is easy to adjust the hanging angle of the speaker according to the actual needs for optimal results. It works with the LA-8300 small line array speaker.

Features

- Using imported neodymium magnetic units.
- With a built-in DSP audio processing module for precise debugging.
- Using a high-power single-channel class-D active amplifier module.
- Small in size, light in weight, high in efficiency.
- Portable and easy to install.
- Product applications: Churches, Conference Rooms, Theaters, Theme Parks, Museums, and Hotels.

Specifications

Model	LA-8300
Unit Component	MF 8×3" neodymium magnetic unit, HF 8×1" neodymium magnetic unit, with cooling module
Horn Coverage (-6dB)	120°(H)×16°(V)
MAX. SPL. (PEAK)	124dB (continuous)\130dB (peak)
Frequency Range (±0.25dB)	20Hz~20KHz
Signal Processing	48kHz, 24-bit DSP processor, delay: input 120ms/output 20ms, filter, EQ, compressor, limiter
Amplifier Power	Class-D, 8Ω/2×300W
S/N Ratio	>100dB
Damping Factor	>300 (under the condition of 8Ω load, 400kHz)
Distortion	<0.05% (under the condition of 20Hz~20KHz, 8Ω load, 3dB)
Gain	34dB
Signal Input/Output	XLR 3-pin female line-level input
Power Input/Output	Neutrik PowerCon (Max: 15A)
Power Supply	AC100~240V, 50/60Hz
Control	On/Off switch
Protection	Input current limiter, short circuit protection, on/off mute, DC fault protection, power limiter
Case Material/Painting	15mm selected multi-layer wood panel, black polyurea paint
Product Dimensions (H×W×D)	360mm×260mm×288mm
Net Weight	13Kg

Model	LA-212SUB
Unit Component	LF 2×12" (300mm) neodymium magnetic woofer
MAX. SPL. (PEAK)	134dB
Frequency Response (±3dB)	50Hz~300Hz
Digital Amplifier Module	DSP processor, class-D amplifier
Amplifier Channel/Power	Single channel, 1500W/8Ω
THD	<0.1%
Input/Output	XLR (balanced)
Power Supply	AC110V~250V, 50Hz/60Hz
Product Dimensions (H×W×D)	706mm×400mm×580mm
Net Weight	38.5Kg

Connection and Installation

