

EA Series System Description

System Features:

EA series is built-in passive filter professional loudspeaker systems that made by NEWORLL engineers on independent research and development. The use of advanced speaker design computer software (**LEAP**) to establish a simulation model based on electro-acoustic parameters of the speaker unit, through the speaker of the structure and electro-acoustic parameters for scientific analysis, and then completed the preliminary design of the loudspeaker system; After producing prototype, using electro-acoustic analysis and testing software (**LMS**) to scientific validation analysis for the system in anechoic chamber of the manufactory, after repeated testing obtains the best design scheme. Under the careful scientific guidance, the achievement the features of series speaker with clear and soft timbre, strong sense of hierarchy, and wide frequency response. It is coupled with the atmospheric and prudent appearance design, scientific collocation between high-quality electronic components and speaker unit to improve its stability and reliability. It is the first choice for theaters, bars, and night club.

System application and configuration:

EA-15 is composed of **one** HF driver with VC Φ **75mm**, **one 15 "** LF unit with VC Φ **75mm**; The speaker impedance is **8 ohms**, rated power is **600W**. **EA-12** is composed of **one** HF driver with VC Φ **44mm**, **one 12 "** LF unit with VC Φ **75mm**; The speaker impedance is **8 ohms**, rated power is **400W**. **EA-10** is composed of one HF driver with VC Φ **44mm**, one **10 "** LF unit with VC Φ **65mm**; Super bass **EA-18SUB** is supporting the use of **EA-15 & EA-12**, **EA-18SUB** is composed of **one 18inch** woofer with VC Φ **100mm** and high-performance magnet as well; this speaker impedance is **8 ohms**, rated power is **600W**, it is a **single chamber SUB**. In the application, according to the actual demand of use place, selecting appropriate speakers (**EA-15\EA-12**) combination to achieve the desired effect. In addition, **EA-15 & EA-12** is supporting the use of **EA-18SUB** or other super bass, with one set processor constitute active control unit Bi-amp two-way system. In practice, provides professional space for tuner. So pay attention to the system matching between the amplifier and speaker impedance; avoid system matching error, **during the process of using system forbid signal distortion and overload, otherwise it will cause serious damage to the system.**

Enclosure structure:

EA series speaker of enclosure is built with high quality multi-layer in **18mm** plywood. Using environmentally-friendly (**ROHS**) chemical materials and **water-based paint** for enclosure surface treatment, solid and durable surface. The main color for speaker is black; it can also be customized according to customer requirements. (**EA Series** normal standard for black color. you must confirm with sales person for special instructions when you needed.)

Installation method:

EA series full-range speaker is with fly accessory and lifting points of claw ring on the top and both sides; both vertical lifting and horizontal lifting.

Applications:

Widely used in Theater, Multi-function room, high class Conference room and other places. This product is also suitable for high-end Bar, Nightclub, Chamber and other entertainment places.

Model:EA-10

Power-Watts	300W(RMS)/750W(PGM)
Sensitivity(dBSPL 1W/1M)	97dB(1W/1M)
Impedance (ohms)	8Ω
Frequency Response	50Hz~19kHz
Average Dispersion	90° ×40° or 60° ×40°
Loudspeaker and loading	LF :1×10” High pass vented box HF: 1×1” Eixt horn loaded
Weigh(Kg)	22Kg
Dimensions (W×D×H)	310×355×515mm
Packing (W×D×H)	370×420×580mm

Model:EA-12

Power-Watts	400W(RMS)/1000W(PGM)
Sensitivity(dBSPL 1W/1M)	98dB(1W/1M)
Impedance (ohms)	8Ω
Frequency Response	45Hz~20kHz
Average Dispersion	90° ×40° or 60° ×40°
Loudspeaker and loading	LF :1×12” High pass vented box HF: 1×1” Eixt horn loaded
Weigh(Kg)	26Kg
Dimensions (W×D×H)	360×410×655mm
Packing (W×D×H)	440×490×740mm

Model:EA-15

Power-Watts	600W(RMS)/1500W(PGM)
Sensitivity(dBSPL 1W/1M)	99dB(1W/1M)
Impedance (ohms)	8Ω

Frequency Response	35Hz~20kHz
Average Dispersion	90° ×40° or 60° ×40°
Loudspeaker and loading	LF :1×15” High pass vented box HF: 1×2” Eixt horn loaded
Weigh(Kg)	40Kg
Dimensions (W×D×H)	445×495×736mm
Packing (W×D×H)	525×575×820mm

Model:EA-18SUB

Power-Watts	600W(RMS)/1500W(PGM)
Sensitivity(dBSPL 1W/1M)	98dB(1W/1M)
Impedance (ohms)	8Ω
Frequency Response	30Hz~160kHz
Average Dispersion	Quasi-omnidirectionals
Loudspeaker and loading	LF :1×18” High pass vented box
Weigh(Kg)	50.7Kg
Dimensions (W×D×H)	600×785×747mm
Packing (W×D×H)	700×885×847mm