

## EA系列系统描述

### 系统特点：

EA系列是尼沃工程师自主研发的内置二分频专业扬声器系统；利用先进的计算机音箱设计软件（LEAP）根据喇叭单元的电声参数建立音箱的仿真模型，通过对音箱的结构和电声参数进行科学的分析，进而完成对扬声器系统的初步设计；生产出初样后再用电声分析测试软件（LMS）在工厂的无响室里对系统进行科学的验证分析，经过反复调试得出最佳的设计方案。在缜密的科学指引下成就了该系列音箱音质清晰、层次感强、音色圆润、音域宽广的特点。再加上大气而稳重的外观设计，优质电子元件与喇叭单元的科学搭配，提高了它的系统稳定性和可靠性。是剧院、剧场、酒吧、夜总会的首选之品。

### 系统应用及配置：

EA-15是由1只75芯高音，1只15寸75芯低音单元构成；该箱阻抗为8欧姆、额定功率为600W。EA-12是由1只44芯高音，1只12寸75芯低音单元构成；该箱阻抗为8欧姆、额定功率为400W。EA-10是由1只44芯高音，1只10寸65芯低音单元构成；EA-18SUB是与EA-15&EA-12配套使用的超重低音，该箱是由1只18寸100芯高性能铁氧体低音单元构成；该箱阻抗为8欧姆、额定功率为600W是一款单腔体迷宮式超重低音。在应用中根据使用场所的实际需求，优选合适的音箱（EA15\EA12）组合，达到所需的效果。另外，EA-15&EA-12也可以与EA-18SUB或其他超低音箱配套使用，植入一台处理器构成外置两分频系统。在实际应用中为调音师提供了一个专业发挥的空间。在系统搭配上注意功放与音箱阻抗之间的匹配；避免系统匹配出现错误，在系统使用过程中严禁信号失真或过载，否则将会对系统造成严重损毁。

### 箱体结构：

EA系列产品采用优质的18mm多层实木夹板，箱体表面处理采用环保(ROHS)的水性油漆，外表坚固耐用。箱体颜色以黑色为主，也可以根据客户要求定做。(EA系列正常标配为黑色，需要特殊颜色时须与业务人员特别说明。)

### 吊装方式：

EA系列全频音箱顶部和两侧面都有飞机条和羊眼圈吊点；既可以垂直吊装，也可以水平吊装。

### 应用范围：

广泛的应用于剧院、剧场、多功能厅、高档会议室、等场所。该产品也适用于高档酒吧、夜总会、会所等场所。



### 系统配置



扬声器型号及数量	EA-15 PWH-18	2只 2只
功率放大器	2x900W/8 Ω 2x1000W/8 Ω	1台 1台
音箱处理器	DP 446	1台
手持无线话筒	SLX24/BETA58	2套
调音台	GL2400 24路调音台	1台
线材	4m*2芯专业音响工程电缆线	

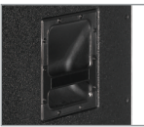
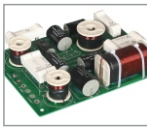


### 技术说明

此套音响系统适用于高定位的酒吧、慢摇吧、音乐厅、报告厅以及室内外小型流动演出活动.根据具体使用面积选配音响数量。



EA-18SUB



EA-10



EA-12



EA-15

### TECHNICAL INFORMATION

Model	EA-10	EA-12	EA-15	EA-18SUB
Power-Watts	300W (RMS)/750W(PGM)	400W (RMS)/1000W(PGM)	600W (RMS)/1500W(PGM)	600W (RMS)/1500W(PGM)
Sensitivity(dBSPL 1W/1M)	97dB (1W/1M)	98dB (1W/1M)	99dB (1W/1M)	98dB (1W/1M)
Impedance (ohms)	8 Ω	8 Ω	8 Ω	8 Ω
Frequency Response	50Hz~19kHz	45Hz~20kHz	35Hz~20kHz	30Hz~160Hz
Average Dispersion	90° X 40° or 60° X 40°	90° X 40° or 60° X 40°	90° X 40° or 60° X 40°	Quasi-omnidirectional
Loudspeaker and Loading				
LF	1 X 10 " High pass vented box	1 X 12 " High pass vented box	1 X 15 " High pass vented box	1 X 18 " High pass vented box
HF	1 X 1 " Exit horn loaded	1 X 1 " Exit horn loaded	1 X 2 " Exit horn loaded	
Weight(Kg)	22Kg	26Kg	40Kg	50.7Kg
Dimensions (WxDxH)	310×355×515mm	360x410x655mm	445x495x736mm	600x785x747mm
Packing (WxDxH)	370×420×580mm	440x490x740mm	525x575x820mm	700x885x847mm

# EA SERIES

## 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 Φ75mm, one 15 " LF unit with VC Φ75mm; The speaker impedance is 8 ohms, rated power is 600W. EA-12 is composed of one HF driver with VC Φ44mm, one 12 " LF unit with VC Φ75mm; The speaker impedance is 8 ohms, rated power is 400W. EA-10 is composed of one HF driver with VC Φ44mm, one 10 " LF unit with VC Φ65mm; Super bass EA-18SUB is supporting the use of EA-15 & EA-12. EA-18SUB is composed of one 18inch woofer with VC Φ100mm 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.