

STK800. PRO900. URE600. UA系列. UK系列. 系统描述:

系统特点:

UA系列、STK800、PRO900、URE600、UK系列是NEWORLL品牌旗下针对中高端娱乐市场研发出来的精品系列；它是内置两分频扬声器系统。以上系列都有共同的特点：**话筒饱满、通透；话筒与音乐间的融合度好；产品非常可靠耐用。**它们以其流线型的外观设计、精湛的工艺、高品质的用料、柔美的音色、澎湃的动力呈现在世人面前。众所周知，现在的夜总会、KTV、酒吧等娱乐场所，应市场需求，装潢都非常豪华大气，对音箱来说无论是外观，还是音色，要求都越来越高。对消费者而言需要提供一个豪华、舒适、温馨的视听体验场所，为舒缓工作压力、增进亲朋好友间的友谊、商务洽谈提供了一个理想的公众场所。随着社会的进步，法制的完善，社会公共场所对公共安全、公共环境要求也越来越高，无论是投资者还是经营者，整个供应链的参与者都必须严格遵守国家的法律、法规来办事。**NEWORLL**尼沃音响作为负责的音响制作商是其中供应链上的一环，也必须按照国家相关规定来设计制造产品。往往在策划这种公共场所时，首先将安全放在首位，比如装饰材料必须选用无毒不燃或者阻燃的材料，同时又要保证装潢的美观大方，所以现在对于这类场所装修大多会采用不锈钢、透光石、玻璃、大理石、铁艺、铜艺、钛合金等防火等级高、不燃的、环保的材料。对这类材料的选用主要偏重于安全及美观的需要，但对于**建声环境**来说会带来另外一个问题，那就会造成较为严重的**声干涉和声反射**的现象，对音箱在该环境的音色、音质、声场均匀度等造成较为严重的影响。作为专业的音箱制造商来说就必须要根据这种环境有针对性的设计和制造产品，**NEWORLL**尼沃音响的研发工程师团队通过近十年来的不懈努力和大胆创新有针对性的研发出了**PRO900、STK800、URE600、UA、UK**等不同系列、不同价位的产品，以满足不同场所的需求。往往这种公共场所的投资在装潢这块占去了绝大部分的份额，而这种场所经营的好坏，音响设备往往起着决定性的作用。据此我们公司采用精湛的**电声校正技术**，选用特殊的**电声配件**、高品质的**电声材料**、专业的**结构设计**来实现产品解决方案。比如：以高音号角为例，我们首先要考虑构成号角的不同材料之间的搭配比例对高频的影响；号角的覆盖范围在不同房间的**声反射**、**声干涉**对声音的影响，反复实验选取一个合理的值。在结构方面：我们采用特殊的**抗震、减震技术**和工艺来减少**共振、音染及音阻**。上述系列最直观的体现在钢网的结构和工艺上。首先，钢网的材料我们是采用的是优质的低碳钢；其次，要有足够的材料的厚度，采用

留实边、半孔直线、多角度折边的成型加工工艺，来保证钢网的美观和足够的强度，减少共振的产生；再有，经过严格的验算得出最合适的**钢网孔**的大小和**钢网孔筋**的大小来保证**最大的透声率**、极大的减少音阻。还有，我们的**STK、PRO、URE**系列采用的是**高透声率**的音箱布，起到了**防尘、高透声和美观**的作用。诸如此类，我们的研发团队本着科学严谨的态度，对每款音箱的每一个部位都是反反复复的论证、实验而来。**PRO900、STK800、URE600、UA、UK**等系列产品适合夜总会、量贩式KTV、酒吧、高端酒店及私人会所等场合。

UA系列系统应用及配置:

UA-10是由1只**44芯**高音，1只**10寸65芯**低音单元构成；该箱阻抗为**8欧姆**、额定功率为**250W**。**UA-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**。**UA-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**500W**。在应用中根据使用场所的实际需求，优选合适的音箱（**UA-10&UA-12&UA-15**）组合，达到所需的效果。另外，**UA-10&UA-12&UA-15**也可以与其它超重低音配套使用，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:

UA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。箱体颜色以古铜色为主，也可以根据客户要求定做。**(UA系列正常标配为古铜色，需要特殊颜色时须与业务人员特别说明。)**

吊装方式:

UA系列全频音箱顶部和两侧面都有羊眼圈吊点；既可以垂直吊装，也可以水平吊装。

应用范围:

广泛的应用于高档酒吧、夜总会、会所等场所。



系统配置

扬声器型号及数量	UA12	4只
功率放大器	2x600W/8Ω	2台
音箱前级效果器	Hi-Fi2600	1台
手持无线话筒	Q50	1套
线材	2.5M ² x2芯专业音响工程电缆线	

技术说明:

此套音响系统专用于高定位的夜总会，休闲会所，方案适合25-40平方米的房间使用。



UA SERIES

UA Series Description

System Features:

STK800, PRO900, URE600, UA, UK series are developed for medium and high-end entertainment market on **NEWORLL** brand's series; It is built-in passive filter loudspeaker system. the above series have a common characteristic: **the sound of microphone is full and transparent; the degree of fusion is good between microphone and music; products are very durable and reliable.** They are with streamlined appearance design, superb technics, high-quality materials, soft timbre, and strong power show in front of the world. As we all know, nowadays nightclub, KTV, bars and other entertainment locations, decorating very luxurious and classy for market demand; the speaker requirements for both appearance and timbre are getting higher and higher. Provide luxurious, comfortable and warm audio-visual experience places, for ease stress for consumers; also provide an ideal public places for enhancing friendship between friends and business meetings. With the progress of society, improving the rule of law, public places requirements are increasing higher and higher to public safety and public environment, whether you are investors or operators, the entire supply chain participants must strictly abide by state laws and regulations to act. **NEWORLL** audio as responsible pro audio producers is one part of the supply chain; we must also be in accordance with relevant state regulations to products design. We first consider the safety when in planning this type of public places, such as decorative materials must be non-toxic and non-flammable or flame resistance, while also ensuring the nice classy decor, so now most decoration for such place would be made of stainless steel, translucent stone, glass, marble, iron art, copper art, titanium alloy, which are very fire resistance, non-combustible, and environmental materials. Such Selection of materials main emphasis on security and beauty, however for the **architectural acoustics environment**, it will bring another problem that caused serious **acoustic interference** phenomenon and **acoustic reflexion** phenomenon and seriously impact on speaker timbre and uniform sound field in such environment. As for professional speaker manufacturers, we must be based on this kind of environment to design and manufacture products accordingly, through **NEWORLL** Audio research and development engineering team tireless efforts and bold innovation in past decade, we especially developed **PRO900, STK800, URE600, UA, UK** and other different series products at different price points to meet the needs of different places. Tend to invest in such public place decoration took up most of the money; and audio equipment often plays a key role for doing business in such place. Therefore, we adopt superb **acoustic correction technology**, the choice of special **electroacoustic accessories**, high-quality **electroacoustic materials**, and professional **structure design** to achieve product solutions. Take the tweeter horn as an example, we must first consider the effect on high frequency base on the matching proportion of different materials, the influence of sound base on horn coverage in **acoustic interference** and **acoustic reflexion** in different rooms, we repeated experiment selected reasonable value. In structural terms: We use special **seismic resistance** and **shock absorption** and technics to reduce **resonance, sound staining and sound barrier**. The above series of the most intuitive reflected in the grill structure and technics. **First of all**, grill material is used in high-quality low-carbon steel; secondly, there must be **sufficient grill thickness, the molding process with thickened edge**, a half straight holes and multi-angle folding edge, which to ensure beautiful appearance and sufficient strength for grill, meanwhile reducing resonance; **finally**, through strict checking obtain the most appropriate **grill mesh size** and **grill mesh edge size** to ensure **maximum sound transmission rate** and greatly reducing the sound barrier. **Besides**, our STK, PRO, URE series is used in acoustic cloth of **high sound transmission rate** so that Play a role of **dust resistant, high sound transmission and beautiful appearance**. Our research and development team in line with rigorous scientific attitude repeated demonstration and experiment for each part of each speaker. PRO900, STK800, URE600, UA, UK series are suitable for Nightclub, Discount-type KTV, Bar, high-end Hotel and private chamber and other entertainment locations.

System application and configuration:

UA-10 is composed of one HF driver with VC Φ44mm, one 10" LF unit with VC Φ65mm; The speaker impedance is **8 ohms**, rated power is **250W**. **UA-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**. **UA-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 **500W**. In the application, according to the actual demand of use place, selecting appropriate speakers (UA-10&UA-12&UA-15) combination to achieve the desired effect. In addition, **UA-10&UA-12&UA-15** is supporting the use of other super bass as well, with one set processor constitute an 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:

UA 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 speaker color is bronze, can also be customized according to customer requirements. (UA Series normal standard for bronze color. you must confirm with sales person for special instructions when you needed.)

Installation method:

UA Series full-range speaker is with lifting points of claw ring on the top and both sides; both vertical lifting and horizontal lifting.

Applications:

Widely used in high class Bar, Nightclub, Chamber, etc.

TECHNICAL INFORMATION

Model	UA-10	UA-12	UA-15
Power-Watts	250W (RMS)/625W(PGM)	400W (RMS)/1000W(PGM)	450W (RMS)/1125W(PGM)
Sensitivity(dBSPL 1W/1M)	97dB (1W/1M)	98dB (1W/1M)	99dB (1W/1M)
Impedance (ohms)	8Ω	8Ω	8Ω
Frequency Response	50Hz~19kHz	45Hz~20kHz	35Hz~20kHz
Average Dispersion	100° X 50°	100° X 50°	100° X 50°
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
HF	1 X 1" Exit horn loaded	1 X 1" Exit horn loaded	1 X 1.5" Exit horn loaded
Weight(Kg)	22Kg	28Kg	40Kg
Dimensions (WxDxH)	310×355×520mm	375x415x590mm	460x460x710mm
Packing (WxDxH)	350×395×560mm	415x455x640mm	500x500x750mm