

# UK SERIES

## UK 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.

### UK series system application and configuration:

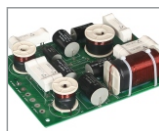
**UK-10** is **10"** built-in passive filter two-way loudspeaker system, it is composed of **one** HF driver with VC  $\Phi 44\text{mm}$ , **one** **10"** LF unit with VC  $\Phi 65\text{mm}$  and **170** magnet. **UK-12** is **12"** built-in passive filter two-way loudspeaker system, it is composed of one HF driver with VC  $\Phi 44\text{mm}$ , **one** **12"** LF unit with VC  $\Phi 75\text{mm}$  and **190** magnet. In the application, according to the actual demand of the use place, selecting appropriate speakers (UK-10&UK-12) combination to achieve the desired effect. It is also supporting the use of other super bass, with one set processor constitute active control unit Bi-amp two-way system. In the practical application provides professional play 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.**



UK-10



UK-12



### Enclosure structure:

**UK** series speaker of enclosure is built with high quality imported high density MDF in **18mm**. Using international environmentally-friendly (**ROHS**) non-toxic water-based paint for enclosure surface treatment, solid and wear-resistant surface. Main speaker color is black, can also be customized base on customer requirements. (You must confirm with sales person for special instructions when you need other color.)

### Installation method:

**UK** series speaker is with lifting points on the top and both sides, and both vertical lifting and horizontal lifting.

### Applications:

**UK** series is suitable for high-class Nightclub, Discount style KTV rooms, Bar, high-end Hotels and private Chamber and other entertainment location.

## TECHNICAL INFORMATION

| Model                    | UK10                          | UK12                          |
|--------------------------|-------------------------------|-------------------------------|
| Power-Watts              | 300W (RMS)/750W(PGM)          | 400W (RMS)/1000W(PGM)         |
| Sensitivity(dBSPL 1W/1M) | 97dB (1W/1M)                  | 99dB (1W/1M)                  |
| Impedance (ohms)         | 8Ω                            | 8Ω                            |
| Frequency Response       | 50Hz~20kHz                    | 45Hz~20kHz                    |
| Average Dispersion       | 90° X 60°                     | 90° X 60°                     |
| Loudspeaker and Loading  |                               |                               |
| LF                       | 1 X 10 " High pass vented box | 1 X 12 " High pass vented box |
| HF                       | 1 X 1 " Exit horn loaded      | 1 X 1 " Exit horn loaded      |
| Weight(Kg)               | 17.5Kg                        | 22Kg                          |
| Dimensions (WxDxH)       | 305×322×515mm                 | 382x402x595mm                 |
| Packing (WxDxH)          | 390×405×615mm                 | 480x495x685mm                 |