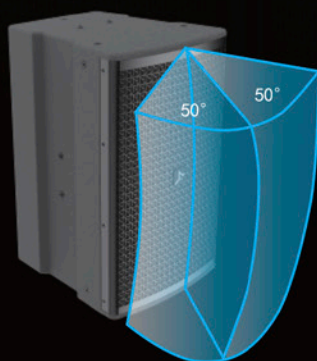


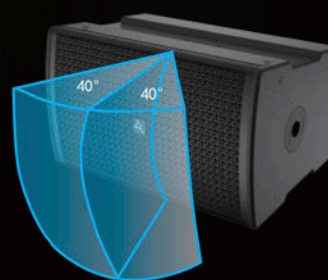
UK SERIES



HORIZONTAL
COVERAGE



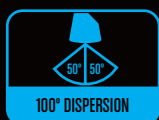
VERTICAL
COVERAGE



OVERLOAD PROTECTION



POINT SOURCE



100° DISPERSION



POST INVERSION



PD / FANE DRIVERS



ACOUSTIC HORN DESIGN

FEATURES

- + 1.75-inch (44mm) voice-coil Precision Devices neodymium magnet compression driver.
- + 12-inch bass woofer featuring 76.2mm voice coil.
- + A coverage angle of 100°×80°, achieving uniform axial and off-axis response.
- + Phase response deviation within 180°.
- + 15 mm multi-layer birch plywood enclosure surface treated with a wear-resistant water-based paint.
- + Sonic Guard protection technology.
- + Built-in 35 mm pole mount.
- + Preset universal lifting points for installation.
- + Rotatable logo.

APPLICATIONS

- + Sound reinforcement of KTVs, bars, nightclubs, auditoriums.
- + Side fill / delay fill / diffusion.
- + Bars, restaurants schools, offices, meeting rooms.
- + Houses of worship.
- + Leisure and entertainment venues, retail outlets.
- + Theatre auxiliary sound.



UK-812

12-INCH, TWO-WAY, PASSIVE LOUDSPEAKER SYSTEM

The UK-812 stands as a compact, innovative, and versatile high-end rear-ported speaker tailored for enhancing audio experiences in KTVs, bars, nightclubs, and entertainment venues. With a frequency response of 45 Hz to 20 kHz (-10 dB) and a remarkably smooth phase curve, it delivers outstanding sound quality.

The UK-812 enclosure adopts a trapezoidal design, accentuated by the prominent FANE logo, reflecting the brand's identity. It boasts a 12-inch bass driver featuring a (76.2 mm) voice coil, alongside a 1.75-inch neodymium magnetic compression driver situated on a 100°x80° constant-directivity horn. For ease of installation, the enclosure incorporates M8 internal mounting points on the top and sides, facilitating effortless hanging. Furthermore, the inclusion of a 35mm pole mount enhances its adaptability across various applications. With an average sensitivity of 98 dB and an AES power handling capability of 500W, the UK-812 is well-equipped to meet demanding audio requirements.

The UK-812's speaker system employs a box design that cleverly combines a small volume with rear vented porting. This configuration effectively reduces group delay in the low-frequency range, enhancing speed and minimizing non-linear distortion. The result is a rich, lively bass reproduction that resonates seamlessly across different environments. Crafted from 15mm birch plywood and coated with a durable black water-based paint, the enclosure exudes both resilience and aesthetics. Connectivity is facilitated by two Neutrik NL-4 sockets (1+1-input, 2+2-link) situated on the rear connector plate.

A feature of the UK-812 is its rotatable logo on the front grille, allowing it to be adjusted to suit various angles for optimal visibility. The grille itself is reinforced with acoustically transparent cotton, effectively safeguarding internal components while maintaining exceptional sound quality.



Power Handling Program Peak	500 W (AES) 1000 W 2000 W
Nominal Impedance	8 Ω
Average Sensitivity	98 dB @ 1W/1m
Calculated Maximum SPL / 1m	125 dB (continuous) 128 dB (program) 131 dB (peak)
Frequency Response	65 Hz - 19 kHz (±3 dB) 45 Hz - 20 kHz (-10 dB)
Manufacturing Consistency	55 Hz - 19 kHz (±3 dB)
Nominal Directivity (-6dB)	100° (H) x 80° (V)
Recommended Amplifier	≥ 600 W @ 8Ω (no clip) in specified frequency response
Recommended Low Cut Full Range: with Sub:	40 Hz, 18 dB/ oct Butterworth 70 to 140 Hz, 24 dB/ oct Linkwitz-Riley
Crossover	Passive @ 1.9 kHz
Low Frequency Driver	Fane transducer, 8Ω impedance, 12" (304.8 mm) diameter, high temperature voice coil on glass fibre former
High Frequency Driver	Precision Devices 1.75" (44 mm) voice coil, neodymium magnet, 8Ω impedance compression driver

Flying Hardware	x14 M8 Internal mounting brackets x6 M10 Internal mounting brackets
Pole Mount	35mm
Connectors	2 Neutrik Speakon NL4MP
Cabinet	CNC made with tongue and groove assembly, 15 mm void-free, exterior grade, birch plywood
Finish	Black water-based paint
Cabinet Size (HxWxD)	630 x 385 x 430 mm
Shipping Carton Size (HxWxD)	710 x 483 x 501 mm
Weight	26 kg net 29 kg gross

