

CK-15

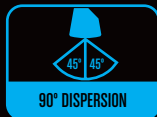
CK SERIES



OVERLOAD PROTECTION



POINT SOURCE



90° DISPERSION



FRONT PORTED



PD / FANE DRIVERS



ACOUSTIC HORN DESIGN

FEATURES

- + Precision Devices 1.75 inch (44mm) voice coil non-metallic diaphragm tweeter.
- + High-efficiency and high-rigidity cone-shaped paper cone 15-inch woofer.
- + 90° × 60° coverage angle achieves uniform response on-axis and off-axis.
- + The enclosure is made of 15mm birch multi-layer plywood, and the surface is treated with wear-resistant paint.
- + Sonic Guard protection technology effectively protects the tweeter from overloading.
- + Built-in 35mm Pole Mount.
- + Preset universal mounting points.
- + Rotatable Logo.

APPLICATIONS

- + Party-style KTV sound reinforcement, night clubs.
- + Can be used as fill, system delay and diffusion for the main PA system.
- + Bars, restaurants, schools, offices, meeting rooms.
- + Leisure and entertainment venues, DJ back listening.
- + Theatre, Theatre Auxiliary Fill.



CK-15

15-INCH, TWO-WAY, PASSIVE LOUDSPEAKER SYSTEM

CK-15 is a high-performance, compact front-ported speaker designed for use in venues such as party-style KTVs, KTV sound reinforcement, bars, nightclubs, and similar locations. It offers an exceptionally smooth frequency response range from 55Hz to 20kHz (-10dB) with an impressively flat phase curve. The CK-15 enclosure features a trapezoidal design, housing a 15-inch woofer on the front and a 1.75-inch Precision Devices ferrite high-frequency driver. The high-frequency driver is accompanied by a 90° (H) x 60° (V) constant directivity horn.

Both the top and sides of the speaker are equipped with M10 mounting holes for suspension installation, while the bottom support frame base serves a variety of purposes. The CK-15 speaker achieves a sensitivity of 98dB and an AES power rating of 600W. It employs a compact enclosure design with front-ported ports. This design effectively reduces the group delay in the low-frequency range, enhancing the perception of speed in the low frequencies and mitigating nonlinear distortion. As a result, it achieves a harmonious balance between speed, power, and richness in the low frequencies, resulting in a dynamic and elastic low-frequency effect that excels in any environment.

The enclosure is meticulously constructed using 15mm multi-layer plywood and finished with a durable black water-based paint. The rear panel features two NL-4 four-core sockets for connections (1+1- input, 2+2- link). The rotatable logo enhances suitability for various speaker angles. The black perforated iron grille is lined with acoustic fabric to effectively combat moisture and dust, all while safeguarding the transducer components.



Power Handling Program Peak	600 W (AES) 1200 W 2400 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	75 Hz - 20 kHz (±3 dB) 55 Hz - 20 kHz (-10 dB)
Manufacturing Consistency	200 Hz to 10 kHz (±3 dB)
Nominal Directivity (-6dB)	90° (H) x 60° (V)
Recommended Amplifier	≥ 1200 W @ 8Ω (no clip) in specified frequency response
Recommended Low Cut Full Range: with Sub:	50 Hz, 18 dB/oct Butterworth 60 to 140 Hz, 24 dB/oct Linkwitz-Riley
Low Frequency Driver	Fane ferrite transducer, 8Ω, 15" (380 mm) diameter, 3" high temperature voice coil on glass fibre former
High Frequency Driver	Precision Devices neodymium compression driver, 25 mm throat size, 1.75" (44 mm) voice coil, 8Ω impedance

Flying Hardware	21x M8 Internal mounting brackets 6x M10 Internal mounting brackets
Pole Mount	35mm
Connectors	2 Neutrik Speakon NL4
Cabinet	CNC made with tongue and groove assembly, 15 mm void-free, exterior grade, birch plywood
Finish	Black, water-based paint
Cabinet Size (HxWxD)	680 x 430 x 450 mm
Shipping Carton Size (HxWxD)	780 x 550 x 570 mm
Weight	26.5 kg net 29.5 kg gross

