

CK-12

CK SERIES



HORIZONTAL
COVERAGE

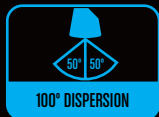
VERTICAL
COVERAGE



OVERLOAD PROTECTION



POINT SOURCE



100° DISPERSION



REAR 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 12-inch woofer.
- + 100° × 70° 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-12

12-INCH, TWO-WAY, PASSIVE LOUDSPEAKER SYSTEM

CK-12 is a high-performance, compact rear-ported speaker designed for use in venues such as party-style KTVs, KTV sound reinforcement, bars, nightclubs, and similar locations. It offers a remarkably smooth frequency response range from 50Hz to 20kHz (-10dB) with an exceptionally flat phase curve. The CK-12 enclosure boasts a trapezoidal design, housing a 12-inch woofer with a 76.2-core voice coil and a 1.75-inch ferrite tweeter (provided by Precision Devices) mounted on the front. The tweeter is equipped with a 100° (H) × 70° (V) constant directivity horn.

Both the top and sides of the speaker are thoughtfully designed with M10 mounting holes for suspension installation, while the bottom support frame base serves versatile purposes. The CK-12 speaker achieves a sensitivity of 97dB and an AES power rating of 450W. It employs a compact enclosure design featuring rear-ported ports. This design notably reduces the group delay within the low-frequency range, thus enhancing the perception of speed in the low frequencies and mitigating nonlinear distortion. Consequently, it attains a harmonious equilibrium between speed, power, and richness in the low frequencies, imparting a robust and elastic low-frequency effect that guarantees exceptional performance in any environment.

The enclosure is meticulously crafted using 15mm birch plywood and finished with a resilient black water-based paint. The rear panel houses 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 speaker units.



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| Power Handling Program Peak | 450 W (AES) 900 W 1800 W |
| Nominal Impedance | 8 Ω |
| Average Sensitivity | 97 dB @ 1W/1m |
| Calculated Maximum SPL / 1m | 123 dB (continuous) 126 dB (program) 129 dB (peak) |
| Frequency Response | 65 Hz - 19 kHz (±3 dB) 55 Hz - 20 kHz (-10 dB) |
| Manufacturing Consistency | 200 Hz to 10 kHz (±3 dB) |
| Nominal Directivity (-6dB) | 100° (H) x 70° (V) |
| Recommended Amplifier | ≥ 800 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, 12" (300 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 |

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| Flying Hardware | 13x 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) | 600 x 380 x 430 mm |
| Shipping Carton Size (HxWxD) | 690 x 465 x 515 mm |
| Weight | 21 kg net 24 kg gross |

