

# CPD 15M



CPD 15M – Versatile Active 2-Way Loudspeaker & Stage Monitor

The CPD 15M enhances the KS CPD series with a powerful, flexible loudspeaker solution designed for high-performance sound reinforcement in demanding environments. Whether used as a floor wedge, stand-mounted system, or flown mid-high unit, the CPD 15M delivers consistent audio quality, precise dispersion, and robust output.

At the core of the system is a 15" neodymium low/mid woofer with a 4" voice coil, paired with a 1.5" neodymium compression driver featuring a 3" aluminum alloy diaphragm. The driver's lightweight and rigid construction significantly reduces harmonic distortion compared to titanium-based designs.

A rotatable 60° x 40° CD horn enables the dispersion to be tailored to the application — whether on stage, in a flown array, or in distributed systems. The result is even coverage with high intelligibility and minimal feedback risk.

The integrated bi-amplified power module delivers 1000 W RMS to the LF and 100 W RMS to the HF, with a peak system output exceeding 2000 W. A universal SMPS with power factor correction (PFC) allows reliable operation from 110–240 V AC without manual switching. The amplifier design is fanless, ensuring silent performance even in quiet environments.

A powerful DSP controller with FIR filters ensures full phase and amplitude linearity, precise crossover alignment, and comprehensive protection via limiters and peak management.

A self-illuminating LED display shows all current settings and can be locked or disabled for permanent installations.

The enclosure is built from robust birch multiplex, finished in durable anthracite-colored PU coating. Custom RAL finishes are available on request. A steel grille, with or without acoustic foam, protects the components and enhances appearance.

Stand-mounted, flown via integrated rigging points, or used horizontally as a wedge monitor.



15"/3" Stage monitor ✓

Dispersion 60°/40° Rotatable ✓

Linear phase and frequency response ✓

Optimized impuls-response ✓

FIRTEC™ 2-channel bi-amp DSP ✓

2200W of undistorted power ✓

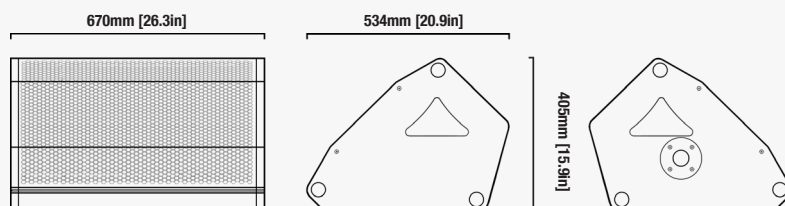
139dB peak SPL ✓

**Typical Applications:**

Live stage monitoring, theater sound reinforcement, portable PA, delay and fill systems, distributed audio in large venues and tents, or as a mid-high unit in combination with KS AUDIO CPD subwoofers.

**SPECIFICATIONS**

Frequency response	58 - 19.000Hz $\pm$ 3dB
Low cut modes	OFF / 70Hz / 120Hz
Max. SPL - 1m. free field	139dB
Dispersion	60°/40° Rotatable
Transducers	LF: one 15" ND cone - 4" voice-coil HF: one 3" aluminium diaphragm 1.4" throat compression driver
Acoustic Principle	LF: bass-reflex HF: precision waveguide
Power handling AES RMS / peak	LF: 1000W / 2000W HF: 100W / 200W
Amplifier type	1x PWM low-mid / 1x MOSFET mid-high
Power supply	SMPS (Switched Mode Power Supply) with power factor correction (PFC)
DSP	2-channel, 32-bit, floating point, 192kHz sampling frequency
Filter technology	IIR and FIR filters, delay adjustments, contour filter
Power input - output	powerCON 110-240V 50-60Hz
Signal input - output	XLR3-F and XLR3-M Analog/AES-EBU autoswitch RJ45 Ethernet 1G T Base for Dante™ and KS AUDIO REMOTE Control

**DIMENSIONS AND WEIGHTS**
**35kg | 77lb**