

# CPD 04 powered



The **CPD 04** is a bi-amped 2-way loudspeaker of extremely compact design, consisting of a woofer driver with neodymium magnets and a coaxially arranged, wide-radiating dome tweeter. The speaker is equipped with a 4.5" woofer driver in a closed cabinet.

A special feature is the slotted waveguide for the mid-bass speaker, which not only optimizes the dispersion and the acoustic connection to the dome tweeter, but it also creates an acoustic crossover for the low-mid driver. Another great advantage of this slotted waveguide is that it lifts the **CPD 04** to its impressive 120dB SPLmax sound pressure level without sacrificing sound quality, unmatched in this class.

Another unique feature of the CPD 04 is that it can be used in a very wide range of applications, where lack of space or the desire to have an "invisible" loudspeaker play a major role.

That is also the reason why we find the **CPD 04** mainly in; theatres, houses of worship, restaurants, galleries, exhibit audio for museums and as ultracompact portable corporate AV boardroom sound reinforcement solution, as well as multifunctional background music system or even clubs with a subwoofer extension such as the KS AUDIO CPD B2.

The powerful 4,5 inch low-mid transducer equipped with torsionally stiff yet light carbonfibre cone plus coaxially mounted 1 inch neodymium soft dome represents the perfect near-field pointsource as known from studio monitor technology.

The 2-way DSP controller amplifier built into the rear operates with very high efficiency and requires no cooling fan. The FIR crossover and EQ filter shapes are precisely matched to the loudspeakers, and limiters ensure safe operation.

The power supply unit is capable of handling all AC voltages between 110 and 240V. Connection is provided via Power-Con F+M connectors which allow daisy-chaining, e.g. to the next CPD 04.

The electronically symmetrical input has XLR female and male connectors. A multi-color LED indicates the operating status.

The **CPD 04** enclosure is constructed from birch multiplex and coated with Polyurethane. It is available in all RAL-colors and is also equipped with additional perforated steel front grille plus foam for heavy-duty protection of built-in transducers. All aluminum parts are anodized.



Coaxial precision loudspeaker ✓

120° axisymmetric coverage ✓

Optimized impuls-response ✓

Linear phase and frequency response ✓

FIRTEC™ 2-channel bi-amp DSP ✓

200W of undistorted power ✓

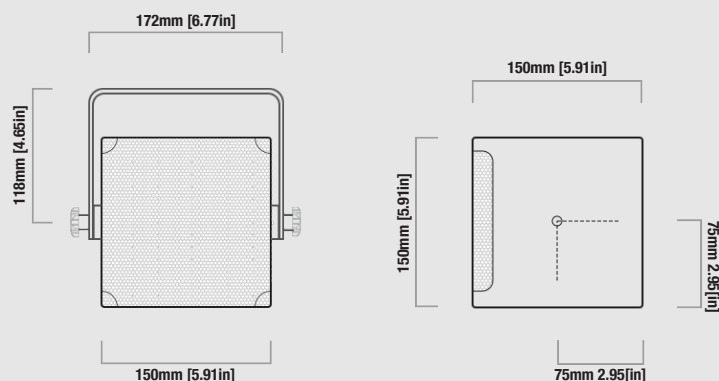
120dB peak SPL ✓

Further features of this outstanding product are one 3/8 inch thread on bottom for tripod use and two metrical M6 inserts aside for mounting an optional U-bracket.

## SPECIFICATIONS

Frequency response	100 - 19.000Hz $\pm$ 3dB
Max. SPL - 1m. free field	120dB
Nominal dispersion H x V	120° x 120° axisymmetric
Transducers	LF: one 4.5" ND cone HF: one 1" dome tweeter
Acoustic Principle	LF: sealed box / slotted waveguide HF: axisymmetric
Power handling AES RMS / peak	90W / 200W
Amplifier type	2 power stages, PWM
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

## DIMENSIONS AND WEIGHTS



**1.5kg | 3.3lb**