

CPD B2 POWERED

With the current **CPD B2**, KS AUDIO offers the most demanding professional users a universally applicable active mono subwoofer of high quality and performance.

Building on the experiences with its predecessor; the CUBE, which has been successful for many years, great emphasis was placed on high transmission quality and simple handling. With the **CPD B2**, KS AUDIO particularly addresses customers who do not exploit the full capacity reserves of usual 18" subwoofers, but require a smaller, yet equally profound solution for their applications instead.

And there is practically no field of application where the **CPD B2** cannot be applied successfully: center bass for multi-media surround sound, the small live stage, the hotel bar or the dance floor in a bistro, and not least as a powerful low-frequency extension in installation areas where the extremely small dimensions meet all the constructional requirements of the location.

The system consists of two 10"-long excursion woofers with a capacity of 400W program power and an exceptionally large linear stroke of 30mm.

Due to the special design featuring a double magnet and push-pull configuration, the small cabinet can generate incredible low-bass sound pressures.

As a system subwoofer, the **CPD B2** can be perfectly combined with the KS AUDIO CPD 08, but also with the particularly compact CPD 04 to create a loudspeaker system with a mature sound of distinctly good quality.

The rear-mounted DSP amplifier (PWM mode) works very efficiently and does not require a - often annoying - cooling fan. Electronically balanced inputs and outputs are available as XLR F+M for two channels.

A level control allows adjustment of the summed mono woofer content in the +/-9dB range. Thus, a powerful bass foundation is always guaranteed under the most diverse acoustic conditions in the room.

The DSP controller offers a special feature with its integrated delay: adjusting to the installation location or forming a bass array for directional radiation does not require separate audio channels, but only the press of a button on the **CPD B2**.

As with all KS AUDIO systems, the cabinet construction is made of birch plywood and PU-coated. Recessed handles, high stand flange with M20 thread, stacking feet, protective grille and optional acoustic front foam are further features of this high-quality product.



Band-pass Push-pull technology



two 10" cone woofer 3" voice-coil



High efficiency integrated amplifier



2-channel DSP with mono summation



1600W power handling



134dB max SPL



SPECIFICATIONS

Frequency response	48 - 110Hz ± 3 dB 38 - 120Hz ± 6 dB
Available hi-cut modes	70Hz 120Hz
Max. SPL (1m, free field)	134dB
Directivity	Omni directional
Transducers	Two long excursion 10" cone 3" voice-coil
Power handling AES RMS/peak	800W / 1600W
Acoustic principle	Push-pull
Integrated electronics	
Amplifier type	2x PWM bridge mode - 800Wrms
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 filters, delay adjustments, contour filter
Power input	powerCON 110-240V 50-60Hz
Signal input - output	Two channels XLR3-F and XLR3-M analog

DIMENSIONS AND WEIGHTS

