



SPIRIT POWERED

2 x CPD 08 powered top
1 x CPD B powered subwoofer

SPIRIT PLUS POWERED

2 x CPD 08 powered top
2 x CPD B powered subwoofer



TOP BOX CPD 08 POWERED



The small unpowered CL 208 made a name for itself among professional operators worldwide. In its self-powered format, the CPD 08 complements the KS AUDIO CPD-Series of DSP controlled active self-powered systems with built-in amplifiers and a FIR CONTROL® DSP. An integrated PWM amplifier – 200W for the 8" long throw woofer and an analog FET-amplifier – 50W for the 1" tweeter - with a peak performance of 400W. The FIR crossover and filter are specially designed for the speaker and increase the audio quality over the passive system. With the CPD 08, KS AUDIO has responded to the demanding needs of the professional operator with a universal self-powered loudspeaker with the highest audio quality in a compact size.

There are many applications in which the CPD 08 can be used: surround sound speakers in a Theatre, for small live events, in a media-room, for use at a conference or convention, in large rooms or tents as a front fill, under balcony or as a delay system for far way areas, or as a compact middle-high tone system in one of the many KS subwoofers, we recommend the CPD B Subwoofer.

The rear mounted 2-way DSP-controller amplifier of the CPD 08 operates very efficiently without the need of a cooling fan. The FIR crossover and filter are specially matched to the drivers, with corresponding compressors and limiters to ensure safe operation. The electronically balanced input is in the form of XLR F+M connectors. In addition to the power switch, the control panel also has a selectable digital volume / delay control to individually adjust just for each venue and offers a digital delay reaching up to 40 m (120 ft) for decentralized PA systems. The starting current is electronically limited. A PowerCON connector is fitted.

The CPD 08 can be mounted vertically or horizontally.

Technical Specifications

frequency response
output SPL (pink noise at 6dB crest factor)
dispersion angle (horizontal x vertical in degrees)
integrated amplifier / system controller type
transducers
power rms/peak in Watts (AES standard)
amplification / x-over
input connectors
output connectors
cabinet
grill
finish
dimensions (height x width x depth)
weight (without options)
features
options

CPD 08 powered

68 - 19,000Hz +/- 3dB
120dB / 123dB peak
90 x 60
PWM bridged/ FIR CONTROL®, 2-way DSP
8" cone + 1" driver + waveguide
200 + 50 / 400
active / bi-amp 2,000Hz
XLR3 / powerCON inlet
XLR3 thru
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
40 x 24 x 28 cm 15.7" x 9.4" x 11"
14 kg 31 lbs
integrated digital delay with display, 35mm pole mount, 4 x M6
mounting points, powerCON connector
mounting frame, black HD cover, finish available in 200 RAL
colors

MONO SUBWOOFER CPD B POWERED



Active Stereo / Mono Subwoofer

The CW 210 and CPD B have much to offer to both the demanding amateur as well as the professional operator as a high quality universally applicable mono-subwoofer. The new cube form is more powerful and more compact than previous versions. Following years of experience with the successful CPA SUB-series KS AUDIO has improved upon the design, audio quality and ease of handling.

With the CW 210 and CPD B models KS AUDIO focused on those customers that wanted a smaller but economical subwoofer solution. There are many applications in which the CW 210 or CPD B can be used: Center-Bass for multi-media surround sound, a small live stage, the bar in a hotel, and last but not least as a powerful lower range extension that is nearly invisible.

The CW 210 / CPD B is made up of two 400Wrms 10" long throw drivers with an exceptionally long linear excursion of 26mm. Through its unique construction with double-magnets and a push/pull arrangement this small box can, for its size, generate unbelievably deep bass sound pressure.

The speaker cabinet construction is, like all KS AUDIO systems, built from birch plywood with an extremely robust charcoal colored polyurethane coating. At your request the finish available can be changed to any desired color from the RAL color charts. Handholds, an M20 pole mount, and protective grill, with or without acoustic foam, are further features of this high-quality product.

The rear mounted 2-way FIR CONTROL® DSP, 800Wrms PWM amplifier of the CPD B operates very efficiently without the need of a – sometimes distractingly loud - cooling fan. The FIR crossover and filter are specially matched to the drivers, with corresponding compressors and limiters to ensure safe operation. The electronically balanced input is in the form of XLR F+M connectors. In addition to the power switch, the control panel also has a selectable digital volume / delay control to individually adjust for each venue and offers a digital delay reaching up to 40 m for decentralized PA systems.

The CPD B creates out of the bass frequencies of the left and right channel, a summed, loss-free and a highly efficient mono signal. With 2-Channel redundancy, the volume control allows for adjustment with a range of +/-9dB. Another special feature is the DSP Controller with its integrated delay. Which allows on-site adjustment, or the creation of a focused directivity bass-array without any additional equipment. The limiter prevents overloading, provides for frequency response correction, and has a subsonic-filter.

Technical Specifications

frequency response
output SPL (pink noise at 6dB crest factor)
dispersion angle (horizontal x vertical in degrees)
integrated amplifier / system controller type
transducers
power rms/peak in Watts (AES standard)
amplification / x-over
input connectors
output connectors
cabinet
grill
finish
dimensions (height x width x depth)
weight (without options)
features
options

CPD B powered

48 - 110Hz +/-3dB
126dB / 130dB peak
omni directional
bridged PWM / FIR CONTROL®
2 x 10" 26mm extreme excursion cone
800 / 1,600
bridge mode / hi-cut 120Hz
L+R XLR3 / powerCON inlet
L+R XLR3
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
46 x 47 x 44 cm 18" x 18.4" x 17.3"
30 kg 66 lbs
integrated digital delay with display, M20 pole mount
black HD cover, finish available in 200 RAL colors