



CPD SUB POWERED



The C SUB and CPD SUB produces the frequencies that your ears expect in large spaces: Not only at 80Hz with a 4m wavelength, but also one octave deeper while retaining constant and efficient upper low frequencies.

As with all KS AUDIO loudspeakers, the C SUB and CPD SUB has a high audio-quality that is not compromised by its power. This is achieved by the use of four highly resilient 10" long-throw low frequency driver each with a 30 mm voice-coil. The relatively small moving mass of the coated membranes in connection with push-pull technology produces a precise in-and out transient response.

The drivers are paired in two separate, specially engineered enclosures with exact acoustically tuned properties. This minimizes any possible distortion. The speaker cabinet itself has very little vibration due to its strategically reinforced plywood construction.

The CPD SUB creates out of the bass frequencies of the left and right channel, a summed, loss-free and high efficient mono signal.

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 FIR CONTROL® DSP / PWM amplifier of the CPD SUB 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 are 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 40m (120 ft) for decentralized PA systems.

As a mono signal system 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. The integrated PMW amplifier and DSP controller can be remotely controlled with an Ethernet connection and KS AUDIO Remote 3 software.

C SUB UNPOWERED

Same as CPD SUB but unpowered.



Technical Specifications

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

C SUB unpowered

38 - 120Hz +/-3dB
128dB / 134dBpeak
omni directional
KS TA 2D or TA 4D / D MOD® or FIRMOD2®
4 x 10" - xtreme long excursion
800 / 1,600
sub bass mode / high cut 70 or 120Hz (switchable)
Speakon NL4
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
72 x 58 x 72 cm 28.2" x 22.7" x 28.2"
65 kg 143 lbs
M20 pole mount,
black HD cover, frontcover with wheels,
finish available in 200 RAL colors

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 signal
input connectors
output connectors
cabinet
grill
finish
dimensions (height x width x depth)
weight (without options)
features

CPD SUB powered

38 - 120Hz +/-3dB controlled
128dB / 134dB peak
omni directional
2 x PWM / FIR CONTROL® DSP
4 x 10" x-treme long excursion
800 / 1,600
bridge mode / high cut 70 or 120Hz switchable)
automatic detection analog or digital AES/EBU XLR3
XLR3, powerCON inlet (117/230VAC)
XLR3 - thru / powerCON outlet
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
72 x 58 x 72 cm 28.2" x 22.7" x 28.2"
70 kg 154 lbs
ethernet in/out, remote controlled, integrated digital
delay with display, M20 pole mount, wheels,
self regulating power supply
black HD cover, frontcover with wheels,
finish available in 200 RAL colors

options