



CPD W1 POWERED

In spite of its small stature, the C W1 and CPD W1 delivers a very deep, powerful yet clean, and dry sound. The speaker cabinet is a classic-reflex design - 1x15" and has performance of the highest quality. The CPD W1 is driven by a 700Wrms PWM amplifier.

What makes the C W1 / CPD W1 unique is the highly durable long throw driver with a 100 mm voice coil and reinforced cone, plus a directivity for frequencies in the range of 40Hz: the 2 bass reflex openings have a large exponential cross-sectional contour that has particularly high efficiency and minimal distortion through minor losses at the tunnel openings. The small sizes of the C W1 and CPD W1 make them especially useful for venues where little space on the stage is available, or where it must be integrated into a stage-portal. With an M20 threaded pole mount, the C W1 / CPD W1 become an ideal stand base for many of the KS AUDIO CPD mid/hi cabinets, we recommend 2 of the CW 1 / CPD W1 to bring the tops boxes CPD 10 / CPD 12 to the ideal height for the audience.

The CPD W1 creates out of the bass frequencies of the left and right channel, a summed, loss-free and highly 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 W1 operates very efficiently without the need of a – sometimes distractingly loud - cooling fan. The FIR crossover and filter is specially matched to the driver, 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 (120ft) for decentralized PA systems.

With a 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 and provides for frequency response correction. All functions of the DSP controllers can be adjusted and controlled over the Ethernet network. The most important parameters are presented on an LED display and can be adjusted directly on the unit.



C W1 UNPOWERED

Same as CPD W1 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 W1 unpowered

38 - 120Hz +/-3dB
126dB / 132dB peak
omni directional
KS CA 4D, TA 2D or TA 4D / D MOD® or FIRM02®
15" 100mm long excursion cone . 4" voice coil
700 / 1,400Wpeak
woofer mode / 120Hz
Speakon NL4
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
58 x 44 x 58 cm 22.8" x 17.3" x 22.8"
28 kg 62 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
options

CPD W1 powered

38 - 120Hz +/-3dB
126dB / 132dB peak
omni directional
bridging mode PWM / FIR CONTROL®
15" 100mm long excursion cone
700 / 1,400
woofer mode / lo-cut 120Hz
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
58 x 44 x 58 cm 22.8" x 17.3" x 22.8"
31 kg 68 lbs
ethernet in/out, remote controlled, integrated digital
delay with display, M20 pole mount,
self regulating power supply
black HD cover, frontcover with wheels,
finish available in 200 RAL colors



"Semper"Opera
Dresden, Germany