

CPD W15 POWERED



In spite of its small stature, the CPD W15 delivers a very deep, powerful yet clean, and dry sound. The speaker cabinet is a classic-reflex design - 2 x 15" – driven by a 1,200Wrms PWM amplifier and has performance of the highest quality. What makes the CPD W15 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 two 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. Following years of experience with the successful CPA SUB the biggest focus was on high transmission-quality, ease of use and handling together with a functional design.

The CPD W15's small size makes it 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 CPD W15 becomes an ideal stand base for many of the KS AUDIO CPD mid/hi cabinets. When used as a low frequency extension in combination with the CPD 15 it brings the CPD 15 to the ideal height.

Once more KS AUDIO presents an improvement of – Audio Over Ethernet – direct from your console or PC and into the active loudspeaker! For years audio-engineers have looked for a better solution of how to send real-time audio over a network. In a large fixed-installation system it is normal to use an audio network. However, correct set up of the system takes experience, and in the often very short set-up times of touring a mistake free set-up is nearly impossible, especially in theaters, opera houses and live sound stages, where constant modification and adjustment, grounding issues, lighting dimmers, and questionable cables make a standard setup impossible. However, it does not need to be so complicated: You can install a network with quality off the shelf components. On your menu your active loudspeakers will be given a channel number, and you assign your PC or digital mixer to transmit the output signals on these channels. You can set-up your loudspeaker anywhere in your network and always have it immediately on the same output.

No need for searching, new patches, or diagrams for the next build-up, and no disturbances in the network audio signal. Installation of audio over a data network can not be easier, it truly becomes plug and play..., with 16 audio channels on one cable, it saves setup time and significantly reduces system costs as Ethernet cables and connectors are much less expensive than standard analog multi core cables and connectors. If you want to continue to work with your current console, and it has no direct network access, KS AUDIO offers A 19"/single rack space module that converts any ADAT signal into a compatible network audio signal. Furthermore, every loudspeaker can be assigned an adjustable IP address, and over the same network all functions of the system can be monitored and controlled with the PC REMOTE 3 software.

Every component in the system also has the latest technology: neodymium magnets, a wide-range switch mode power supply with PFC, PWM, and FET amplifiers, as well as digital signal processing with FIR filters. The electronically balanced analog and AES/EBU inputs are in the form of XLR F+M connectors, with an active output. The unit is operated through a menu, using a digital rotary knob, and an LCD graphic display. All adjusted levels, filters, and delay-settings are permanently saved. The rear mounted, separately housed, PWM Controller /amplifier operates without the need of a cooling fan thus avoiding the typical fan noise found in most self powered systems. The speaker box construction is, like all KS AUDIO systems, built from birch plywood with a polyurethane coating.

T4 W UNPOWERED

Same as CPD W15 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
transducers
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

T4 W unpowered

38 - 140Hz +/-3dB
130dB / 136dBpeak
omni directional
TA 2D or TA 4D / D MOD® or FIRMOD2®
2 x 15" 100mm long excursion, 4" voice coil
1,400 / 2,800
woofer mode / hi-cut 70 or 140Hz (switchable)
Speakon NL4
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
82 x 44 x 66 cm 32.2" x 17.3" x 25.9"
55 kg 121 lbs
M20 pole mount / wheels
black HD cover, 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

CPD W15 powered

38 - 140Hz +/- 3dB
130dB / 136dB peak
omni directional
bridging mode class D / 32-bit FIRTEC® DSP
2 x 15" 110mm long excursion + 4" voice coil
1,200 / 2,400
woofer mode / hi-cut 70 or 140 Hz (switchable)
automatic detection analog or digital AES/EBU XLR3
XLR3 / XLR3 AES-EBU / powerCON inlet (117-230VAC)
XLR3 - thru / XLR3 AES-EBU / powerCON outlet
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
82 x 44 x 66 cm 32.2" x 17.3" x 25.9"
66 kg 145 lbs
ethernet in/out, remote controlled and digital audio input (ADAT 24bit, 48kHz), M20 pole mount , wheels, self regulating power supply
black HD cover, finish available in 200 RAL colors



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

options