



CPD 15 POWERED

KS AUDIO presents an improvement of – Audio Over Ethernet – direct from your console or PC and into the powered 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 transmits 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 cabinet can be assigned an adjustable IP address, and over the same network all functions of the system can be monitored and controlled with the KS AUDIO 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. With the CPD 15, 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 15 can be used: Theatre, Live-stage Music, in large rooms or tents, as a delay system for far away areas, and last but not least as a compact middle-high tone system in combination with the CPD W15, the CPD SUB or CPD WL powered subwoofers.

The CPD 15 is equipped with a 700 W RMS 12" ND low-middle frequency long excursion driver, a 2" neodymium driver with a 4" membrane made of a special light-metal alloy, and a CD-Horn with exceedingly precise directivity. 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, 2-way PWM + MOSFET 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. At your request the finish available can be changed to any desired color from the RAL color charts. and premium solid wood sides are also available. Incorporated hand-holds, a pole mount, M10 threaded rigging points, and AeroQuip rails that double as carrying handles, as well as a protective steel grill, with or without acoustic foam, are all further features of this high-quality product.



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 15 powered

55 - 20,000Hz +/- 3dB
134dB / 140dBpeak
60 x 40 or 90 x 40 or 60 x 60
PFC-SMPS, PWM + Mosfet / 32-bit FIRTEC® DSP
FIRTEC®
1 x 12" ND cone + 1 x 2" compression driver
on a CD horn
700 + 120 / 1,400 + 240
bi-amp / 1,000Hz
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 (in or outside)
charcoal polyurethane
60 x 38 x 48 cm 23.5" x 14.9" x 18.8"
30 kg 66 lbs
ethernet in/out, remote controlled and digital
audio input (ADAT 24bit 48Khz), 35mm pole mount,
4 x M10 mounting points, AeroQuip flyware,
self regulating power supply
mounting frame, black HD cover,
finish available in 200 RAL colors