



## CPD 1214 POWERED COAXIAL



The CPD 1214 completes the KD AUDIO CPD-Series active self-powered System with an excellent horn loaded-system. Due to its horn loaded coaxial arrangement of the low-mid chassis and mid-high driver the directivity is well balanced for long throw applications.

The DSP Controller works with KS AUDIO FIRTEC® DSP technology for true impulse-correct reproduction of audio and increased resistance to feedback resulting in a beyond expected sound pressure level that guarantees a natural audibility. Two integrated amplifiers supply 500W for the 12" woofer and 100W for the 1.4" tweeter - with a peak performance of 1,200W !

The electronics are comprised of a switch mode power supply with Power-factor-Correction, a "cold" PWM amplifier for bass/midrange performance, and an analog FET-amplifier with the best audio characteristics for the mid-high compression driver. Both the 12" woofer and the 1.4" compression driver have strong but light neodymium magnets. The 3" membrane of the compression driver consist of a special aluminum alloy that has a clearly reduced distortion factor in comparison to a titanium membrane.

With the CPD 1214, 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 1214 can be used: Theatre, Live-stage Music, in large rooms or tents, as a delay system for far away areas, or as a compact middle-high tone system in combination with one of the many KS AUDIO subwoofers, we recommend the CPD WL subwoofer.

The CPD 1214 is equally suited for standard stacking, as well as flying-assemblies with the integrated RIG C flying-system. 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. Four sturdy wheels, handles, and a protective steel grill, with or without acoustic foam, are further features of this high-quality product.

The rear mounted 2-way FIRTEC® DSP amplifier 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. The control panel also has a digital volume control to individually adjust for each venue and a digital delay up to 140ms or 40m (120ft), for time alignment and decentralized PA systems.

Furthermore, adjustments can also be made over Ethernet via the KS AUDIO REMOTE 3 software. All adjustments will be displayed on a brightly lit display in an easy to read format.

The CPD 1214 operates on all AC 110-240V electrical supply. The starting current is electronically limited. There are two PowerCON F+M connectors that allows you to link additional KS AUDIO line of CPD products, such as a CPD SUB or the CPD WL subwoofer.

## C 1214 UNPOWERED COAXIAL

Same as CPD 1214 but unpowered.

### Technical Specifications

frequency response  
output SPL (pink noise at 6dB crest factor)  
dispersion angle (horiz. x vertical in degrees)  
recom. 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

### C 1214 unpowered

75 / 120 - 19,000Hz +/- 3dB  
131dB / 136dB peak  
60 x 40  
KS CA 4D or TA 4D / D MOD® or FIRMOD2®  
12" ND cone + 1.4" ND compression driver  
500 + 100 / 1,000 + 200  
bi-amp or full-range mode (switchable)/1,200Hz  
Speakon NL4  
birch plywood  
perforated RVS + acoustic foam (inside)  
charcoal polyurethane  
52 x 30 x 33 cm 20.4" x 11.7" x 12.9"  
15 kg 33 lbs  
35mm pole mount, multipurpose rigging fittings  
mounting frame, multipurpose flyware,  
black HD cover, finish available in 200 RAL colors

### Technical Specifications

frequency response  
output SPL (pink noise at 6dB crest factor)  
dispersion angle (horiz. 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 1214 powered

75 / 120 - 19,000Hz +/- 3dB  
131dB / 136dB peak  
60 x 40  
PWM fully bridged, FET-amp, FIRTEC®, DSP  
12" ND cone + 1.4" ND compression driver  
500 + 100 / 1,000 + 200  
2-way bi-amp / 1,200Hz phase linear FIR  
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 58 x 66 cm 22.6" x 22.6" x 25.9"  
45 kg 99 lbs  
ethernet in/out, remote controlled,  
integrated digital delay with display,  
integrated C-RIG flyware, self regulating power  
supply  
C-RIG flyware, multipurpose flyware,  
black HD cover, finish available in 200 RAL  
colors