



CPD 12M

CRYSTAL CLEAR

The CPD 12M complements the KS CPD-Series of DSP controlled active self-powered systems with a very compact wedge-shape and coaxial design making it an excellent stage monitor. Due to its coaxial arrangement of the LF driver and HF driver the directivity is well balanced in near field applications and helps to prevent feedback.

The DSP-Controller works with KS Audio FIR-Filter technology for true impulse-correct reproduction of audio and largest signal gain before feedback. Two integrated amplifiers supply 500W for the 12" woofer and 100W for the 1.4" driver - with a peak performance of 1200W!



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The electronics are comprised of a switch mode power supply with Power-factor-Correction, a "cold" PWM amplifier for LF performance, and an analog FET-amplifier with the best audio characteristics for the HF compression Driver. Both the 12" Long stroke woofer and the 1.4" compression driver have strong but light Neodymium-Magnets. The 3" membrane of the compression driver consist of a special material that has a clearly reduced distortion factor in comparison to a titanium membrane. With the CPD 12M, KS has responded to the demanding needs of the professional user with a modular, self-powered loudspeaker with the highest audio quality in a compact size. There are many applications in which the CPD 12M can be used: Theatre, Live-stage Music, in large rooms or tents, as a delay system for farfield, or as a compact top in combination with any KS subwoofer. We recommend the CPD W Sub.

The CPD 12M is equipped with a 12" Neodymium LF chassis with a 4" voice coil, and a coaxially 1.4" Neodymium driver.

The speaker cabinet construction is, like all KS systems, built from birch plywood with an extremely durable PU-coating.

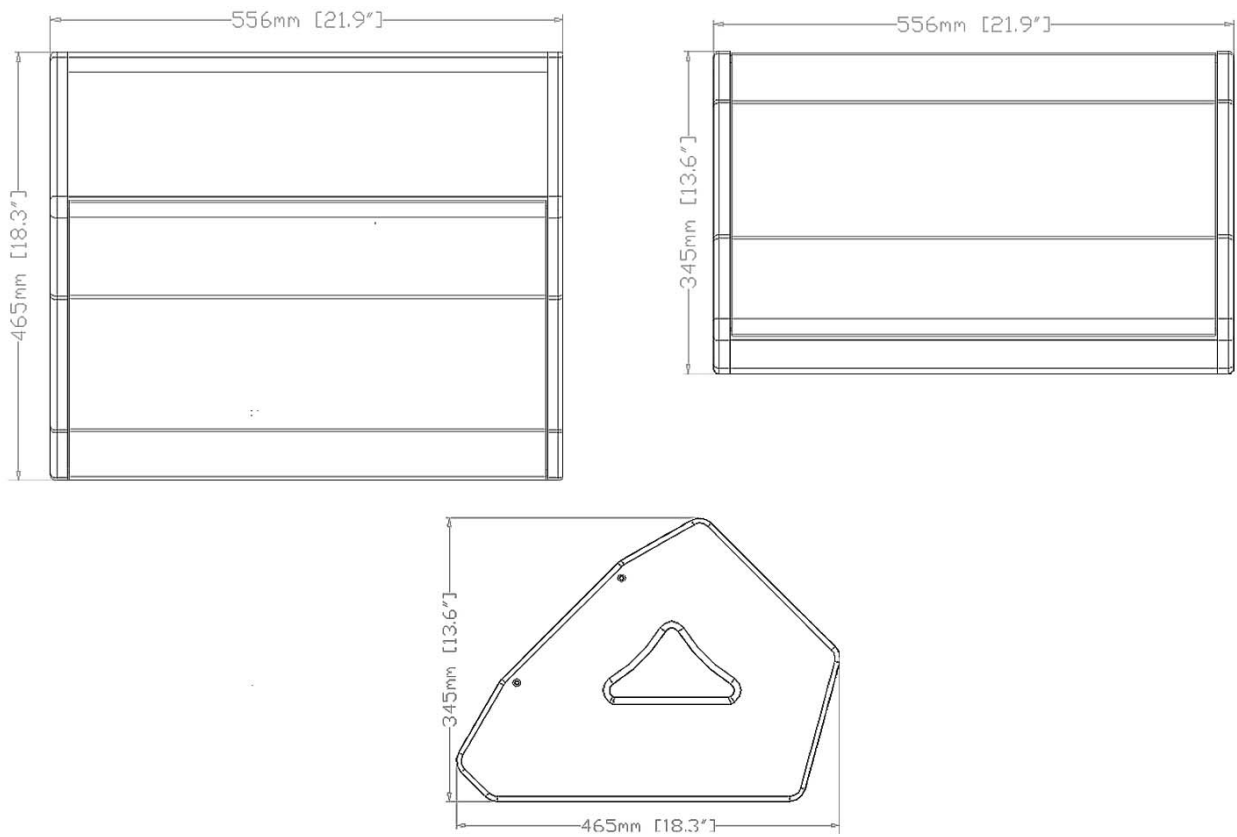
All RAL colors available. Another special feature is the multipurpose fitting on the back of the speaker, allowing the installation of different fly-ware and connectors, which are safely interlocked by of quick release pins. The rear mounted 2-way DSP-controller / amplifier operates very efficiently 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 inputs are 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, for time alignment and decentralized PA. There is a Lo Cut switch for speech reproduction or for adding a subwoofer to the system. Operation and set-up with a PC using the KS REMOTE3 Software is also possible over an Ethernet connection.

The power supply on the CPD 12 M operates on AC 110-240V with soft-start using PowerCon in/out.



dimensions



specifications

Specifications	CPD 12M
frequency response + / -3dB	60-19000 Hz
output SPL	134db peak
dispersion angle (horizontal x vertical in degrees)	60°/ 60°
integrated amplifier / system controller type	PWM, Class-D fullbridge, 2-way DSP processing, FIR
drivers	12" cone ND, 1,4" driver ND
power in Wrms (AES standard)	500W + 100W
crossover frequency	1200Hz, phase linear Bessel
input connectors	XLR3, powercon input (117 / 230VAC)
output connectors	XLR3 - thru
cabinet	birch plywood
grill	stainless steel honeycomb 6 sided + acoustic foam
finish	charcoal black / polyurethane
dimensions (height x width x depth)	350 x 576 x 412 mm 13.8" x 22.8" x 16.2"
weight without options)	25 kg 55.1 lbs
features	integrated digital delay with display
options	heavy duty padded black cover 35mm pole mount, Multipurpose fitting

options

