

CPD 1M



The **CPD 1M** complements the KS CPA series of active self-powered systems with its extremely compact wedge format and low weight. The sound pressure is exceptionally high and even right down to the low frequencies. The DSP Controller uses FIR filter technology for accurate impulse response of the loudspeakers and it also minimises feedback. Two integrated amplifiers provide 400W of power to the 10" chassis and 40W to the 1" driver - the peak power is 800W!

The sound path in the mid-/high-range horn is designed for the usual operation as a floor monitor. Due to the square installation dimension, however, it is also possible to mount the speaker rotated by 90°. In this case, the **CPD 1M** can also be used on stands as a universal full-range loudspeaker.

The power electronics include a "cold" PWM output stage for the low-midrange chassis and an analogue bipolar output stage with best audio properties for the high frequency driver.

The 10" long excursion chassis has a very powerful light-weight neodymium magnet. The 1" driver uses a 1.75" ring diaphragm made of Mylar which produces significantly less distortion than comparable titanium diaphragms.

With the **CPD 1M**, KS offers the demanding professional user an active stage monitor and full-range loudspeaker that can be used universally of particularly high quality and that is also very compact.

As with all KS systems, the enclosure construction is made of birch multiplex and has an extremely robust anthracite-coloured PU coating. On request, the surface can be painted in any RAL colour. Other features of this high-quality product include a high stand flange and a steel protective grille with or without acoustic foam.

The 2-way DSP controller amplifier built into the rear operates with very high efficiency and requires no cooling fan. The FIR frequencies and filter stages are precisely tuned to the speakers, and limiters ensure safe operation.

The electronically balanced input is designed as XLR F+M sockets. In addition to the power switch, there are further operating elements: A digital level control for individual adjustment to the location and an internal delay with a delay time of 0 to 40m



Compact bi-amped stage monitor ✓

90° x 50° coverage rotatable ✓

One 10" neodymium cone woofers ✓

1.75" ring diaphragm compression driver ✓

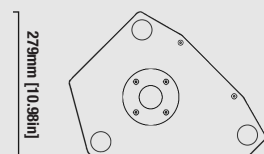
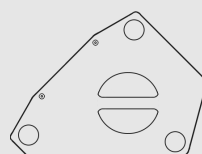
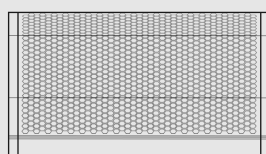
800W power handling ✓

134dB max SPL ✓

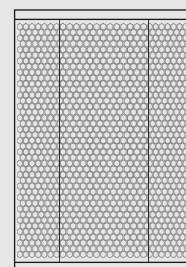
The power supply unit of the **CPD 1M** works with internal changeover on AC mains of 117 or 230 V. The inrush current is electronically limited. The connection is made via a PowerCon connector.

SPECIFICATIONS

Frequency response	68 - 19.000Hz
LOW CUT mode 1	70 - 19.000Hz
LOW CUT mode 2	100 - 19.000Hz
LOW CUT mode 3	120 - 19.000Hz
Max. SPL (1m, free field) with TA 4D	134dB
Nominal horizontal dispersion	90° rotatable
Nominal vertical dispersion	50° rotatable
Transducers	LF: 10" neodymium cone HF: 1.75" mylar ring diaphragm compression driver
Power handling AES RMS/peak	LF: 400W / 800W HF: 40W / 80W
Acoustic principle	LF: bass-reflex HF: precision waveguide-horn
Integrated electronics	
Amplifier type	2 power stages, PWM + Linear power stage
Power supply	SMPS (switched mode power supply) with powerfactor correction (PFC)
DSP	2-channel, 32-bit, floating point, 192 kHz Sampling frequency
Filter Technology	IIR and FIR filters, delay adjustments, contour filters
Power input	powerCON input 110-240V 50-60Hz
Signal input - output	XLR3-F and XLR3-M



375mm [14.76in]



498mm [19.6in]

15.0kg | 33.7lb