

KMT218

Multi-task powered 2 x 18" subwoofer with DSP and power output



FEATURES

- Self powered
- Integrated DSP with multiple analog and digital inputs
- Onboard touch screen with matrix control
- Direct radiating, long excursion 2 x 18" cone drivers
- RS485 and USB connectivity for remote control
- Fitted with integral handles

COLORS AVAILABLE

Black



Specific RAL code for a customized painted model



DESCRIPTION

The K-array KMT218 is much more than a standard 2 x 18" powered subwoofer. The amplifier mounted on board is class D, delivering 2 x 2000 W at 4Ω. One of the two amplifying channels is dedicated to an output Speakon to connect to many kinds of speaker configurations, including single mid-high modules (KY102, KP52, KP102), multiple line arrays, or the passive version of an additional bass module (KMT218P, KMT18P or KMT21P). The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling. An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, In/Out routing, speakon output delay, subwoofer delay, overall system delay (up to 330 ms).

All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again conveniently on a standard XLR. To optimize performance, the onboard DSP includes presets to drive K-array speakers. The chassis features large ports designed to be fully symmetrical to the speakers, which means the back loading on the drivers is consistent and even with no port air turbulence. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles and an M20 thread mount position for attaching mid-high speakers makes the KMT218 convenient to use and ideal for medium throw applications in theaters, concert halls, and Audio/Video installations.

All KMT218 components are designed by the K-array R&D department and custom-made under the K-array quality control system.

ACCESSORIES

K-DANTE, K-FOOT2, K-POLE1, K-USB, K-WIRE15, KWIRE2, K-AMPCOVER

APPLICATIONS

Broadcast/ TV Studio

Club/ DJ Set

Corporate/AV

Hospitality

House of Worship

Large Congregations

Live Concerts

Store

Theatre

Theme Park

TECHNICAL SPECIFICATIONS

	ACOUSTICS		AMPLIFIER
Power handling	1600 W	Type	1 module class D - DSP controlled
Max Power	2800 W ⁽¹⁾	Subwoofer Power Output	2000 W @ 4 Ω 1% THD + NOISE
Impedance	4 Ω	Speakon Power output	2000 W @ 4 Ω 1% THD + NOISE
Frequency range (-10 dB)	30 Hz – 150 Hz	Protections	Over Temp.(Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
SPL 1W/1mt	101 dB	Frequency response	20 Hz – 20 kHz (+0 -1 dB) for 1 W @ 4 Ω
Maximum SPL	134 dB (cont.) – 140 dB (peak)	Damping factor @ 100 Hz	>10000
	COVERAGE	THD+N 1kHz,1 W	0.2%
Horizontal	omni	Thermal dissipation	1/4 of max output power @ 4 Ω @230V = 1123 BTU/h (283 KCal/h) @115V = BTU/h (190 KCal/h)
Vertical	omni	Nominal power requirements	100 - 240 Vac ± 10% 50-60 Hz
	CROSSOVER	Operating Range	85 – 265 Vac
Type	Internal DSP controlled	Power factor (cos φ)	>0.90 @ 4Ω full power
Frequency	Low pass @ 150 Hz (maximum - preset dependent)	1/8 rated power (pink noise)@ 4Ω	600 W
	TRANSDUCERS	CERTIFICATION	20 (53 with K-AMPCOVER accessory)
Type	2 X 18" Neodymium magnet woofer with 3" voice coil	PHYSICAL	
	AUDIO IN/OUT	Dimensions	94.9 cm x 48.0 cm x 60.0 cm (37.4" x 18.9" x 23.6")
Analog connectors	2 male + 2 female 3-pin balanced XLR	Weight	49.0 kg (108.03 lbs)
Digital connectors	1 male + 1 female 3-pin balanced XLR		
	REMOTE CONTROL INPUT		
Connectors	1 male + 1 female XLR parallel 1 USB B Jack serial converter		

Notes for data
 1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

