Ver. 1.5

KMT18 Mark I

High-tech, multi-task powered 18" subwoofer with DSP and power output





FEATURES

- Unique performance-to-size ratio
- Fitted with integral handles and castors
- Direct radiating, long excursion 18" driver
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

COLORS AVAILABLE

Black



Specific RAL code for a customized painted model



ACCESSORIES

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

DESCRIPTION

The K-array KMT18 I is a powered 18" subwoofers, with a programmable on-board DSP and multiple analog and digital inputs and outputs for creating a wide array of speaker configurations. The amplifier mounted on board is class D, delivering 2 x 1000 W at 8 Ω . The KMT18 I features an integrated touch screen, providing intuitive control over the main DSP functions: input/output levels, signal routing, offset delays for subwoofer and speakon output (up to 12 ms) and overall system delay (up to 330 ms).

All DSP functions, including EQ, can also be remote controlled via software over USB or RS485 (3-pin XLR).

The KMT series provides two balanced analog line level inputs and a two-channel AES/EBU digital input. An integrated class D amplifier delivers 2 x 1000 W at 8Ω , with a max THD of 1% (EIAJ test @ 1kHz). The KMT18 I features multiple analog and digital outputs, including a Speakon output to connect a wide array of passive speakers including midhigh models (KK52, KK102) or additional passive subwoofers (KMT18P). To optimize performance, the on-board DSP includes up to 40 programmable presets. The unique four-corner port configuration provides symmetrical back loading to the speakers, for extended bass response with very low distortion. The port configuration also provides 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 subwoofer convenient to use and ideal for medium throw applications in theaters, concert halls, and Audio/Video installations.

APPLICATIONS



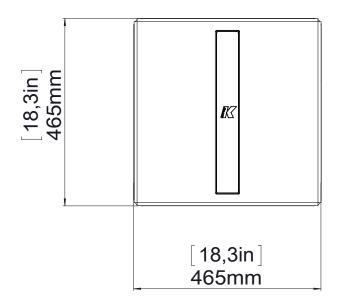
Broadcast/ TV Studio	
Club/ DJ Set	
Corporate/AV	
Hospitality	
House of Worship	
Large Congregations	
Live Concerts	
Store	
Theatre	
Theme Park	

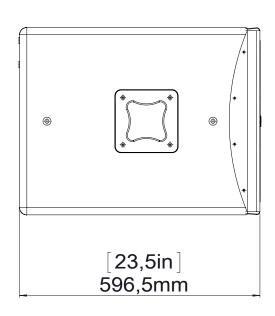
TECHNICAL SPECIFICATIONS

	ACOUSTICS	REMOTE CONTROL INPUT		
Speaker Power handling	800 W ^(AES)	Connectors	1 male + 1 female XLR parallel / 1 USB B Jack serial converter	
Max power	1400 W		POWER INPUT	
Impedance	8 Ω	Connectors	2 x PowerCon IN/OUT	
Frequency range	30 Hz - 150 Hz ± 3dB (preset relating)		AMPLIFIERS	
SPL 1W / 1mt	99 dB	Туре	1 modules class D - DSP controlled	
Maximum SPL	130 dB continuous - 136 dB peak	Subwoofer power	1000 Watt 1 @ 8Ω	
	COVERAGE	Speaker power output	1000 Watt 1 @ 8Ω	
	Omni	Speaker power output	Dynamic limiter, over current, over temp, short circuits	
	CROSSOVER		AC POWER	
Туре	DSP controlled	Nominal power	100 - 240 Vac ± 10% 50-60 Hz	
Frequency	150 Hz (preset dependent)	requirements	100 - 240 Vac ± 10% 30-60 HZ	
	TRANDUCERS	Operating range	85 - 265 Vac (auto-range)	
Full range	1 x 18" Neodymium speakers with 3" voice coil		CONSUMPTION	
	AUDIO INPUT	1/8 rated power	300 W	
Analog Connectors	2 male + 2 female 3-pin balanced XLR	(pink noise) $@$ 8Ω	330 **	
Digital Connectors	1 male + 1 female 3-pin XLR		PHYSICAL	
5	AUDIO POWERED OUTPUT	Dimensions	46.5 cm x 46.5 cm x 59.2 cm (18.3" x 18.3" x 23.3")	
Connector	Female Speakon	Weight	27.6 kg (60.8 lbs)	

Wiring Pin1+= CH1+ Pin1= CH1- Pin2+= N.C. Pin2= N.C.

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.





www.k-array.com Ver. 1.5