

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 8Ω. 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 mid-high 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



Touch Screen

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	Type	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
Type	DSP controlled	Nominal power requirements	100 - 240 Vac ± 10% 50-60 Hz
Frequency	150 Hz (preset dependent)	Operating range	85 - 265 Vac (auto-range)
	TRANSDUCERS		CONSUMPTION
Full range	1 x 18" Neodymium speakers with 3" voice coil	1/8 rated power (pink noise) @ 8Ω	300 W
	AUDIO INPUT		PHYSICAL
Analog Connectors	2 male + 2 female 3-pin balanced XLR	Dimensions	46.5 cm x 46.5 cm x 59.2 cm (18.3" x 18.3" x 23.3")
Digital Connectors	1 male + 1 female 3-pin XLR	Weight	27.6 kg (60.8 lbs)
	AUDIO POWERED OUTPUT		
Connector	Female Speakon		
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.

