

Thunder-KMT21 I

High-tech, multi-task powered 21" subwoofer with DSP and power output



DATASHEET

Portable Series Thunder-KMT21 I



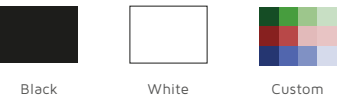
DESCRIPTION

The K-array KMT21 I is a powered 21" subwoofer, 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 2000 W at 4Ω. The KMT21 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 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 2000 W at 4Ω, with a max THD of 1% (EIAJ test @ 1kHz). The KMT21 I features multiple analog and digital outputs, including a Speakon output to connect a wide array of passive speakers including mid-high models (KP52, KP102) or additional passive subwoofers (KMT21P). 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. All KMT components are designed by K-array and custommade under K-array's quality control system.

COLORS & PREMIUM FINISHES AVAILABLE



SUGGESTED ACCESSORIES

K-DANTE	K-AMPCOVER
K-POLE1	K-WHEEL
K-USB	K-WHEELB

FEATURES



FREQUENT APPLICATIONS

LARGE CONGREGATIONS
THEATERS & CONCERT HALLS
NIGHTCLUBS
EVENT PRODUCTIONS
BROADCAST & STUDIOS
THEME PARKS
TOURING, FESTIVALS, CONCERTS & LIVE
CINEMAS

TECHNICAL SPECIFICATIONS

ACOUSTICS		REMOTE CONTROL INPUT	
Power handling	1600W ^(AES)	Connectors	1 male + 1 female XLR parallel / 1 USB B Jack serial converter
Max Power	2800 W	POWER INPUT	
Impedance	4 Ohm	Connectors	2 x PowerCon IN/OUT
Frequency range	30 Hz - 150 Hz ± 3dB (preset relating)	AMPLIFIERS	
SPL 1W/1mt	98 db	Type	1 modules class D - DSP controlled
Maximum SPL3	130dB (cont) - 136dB (peak)	Subwoofer power	2400 Watt ¹ @ 4Ω
COVERAGE		Speaker power output	2400 Watt ¹ @ 4Ω
Type	Omni	Protections	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 21" Neodymium speakers with 3" voice coil	1/8 rated power (pink noise) @ 8Ω	300 W
POWER AUDIO INPUT		PHYSICAL	
Analog Connectors	2 male + 2 female 3-pin balanced XLR	Dimensions	55.5 x 55.5 x 76.3 cm (21.85" x 21.85" x 30.03") ⁽²⁾
Digital Connectors	1 male + 1 female 3-pin XLR	Weight	49.0 Kg (108.2 lb)
AUDIO POWERED OUTPUT			
Connector	Female Speakon		
Wiring	Pin1+= CH1+ Pin1= CH1- Pin2+= N.C. Pin2= N.C.		
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. 2. (W x H x D)		New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from w those presented in this catalogue.	

