

KMT21 Mark I

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



FEATURES

- Unique performance-to-size ratio
- Fitted with integral handles and castors
- Direct radiating, long excursion 21" 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 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.

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 | 1600 W ^(AES) | Connectors | 1 male + 1 female XLR parallel / 1 USB B Jack serial converter |
| Max power | 2800 W | | POWER INPUT |
| Impedance | 4 Ω | 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 SPL | 130 dB continuous - 136 dB peak | Subwoofer power | 2400 Watt ¹ @ 4Ω |
| | COVERAGE | Speaker power output | 2400 Watt ¹ @ 4Ω |
| | 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 | | CONSUPTION |
| Full range | 1 x 21" 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 | 55.5 cm x 55.5 cm x 76.3 cm (21.9" x 21.9" x 30.0") |
| Digital Connectors | 1 male + 1 female 3-pin XLR | Weight | 49 kg (108 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.

