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



ACCESSORIES

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

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 onboardDSP 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 KTM218 components are designed by the K-array R&D department and custom-made under the K-array quality control system.

APPLICATIONS

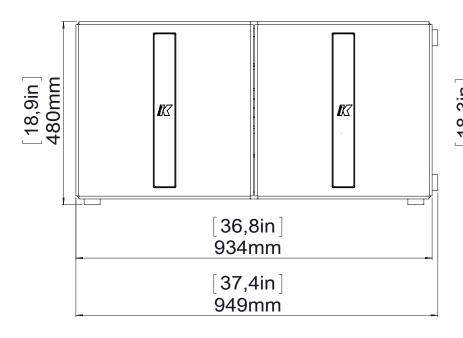
| Broadcast/ TV Studio | | |
|----------------------|--|--|
| Club/ DJ Set | | |
| Corporate/AV | | |
| Hospitality | | |
| House of Worship | | |
| Large Congregations | | |
| Live Concerts | | |
| Store | | |
| Theatre | | |
| Theme Park | | |

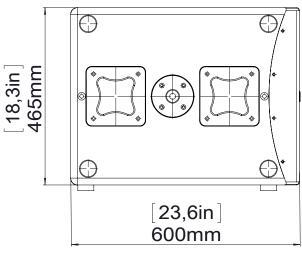
| | ACOUSTICS | | AMPLIFIER |
|--------------------------|---|--|--|
| Power handling | 1600 W | Туре | 1 module class D - DSP controlled |
| Max Power | 2800 W ⁽¹⁾ | Subwoofer Power Output | 2000 W @ 4 Ω 1% THD + NOISE |
| Impedance | 4 Ω | Speakon Power output | 2000 W @ 4 Ω 1% THD + NOISE |
| Frequency 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 | | |
| Maximum SPL | 134 dB (cont.) – 140 dB (peak) | Frequency response | 20 Hz – 20 kHz (+0 -1 dB) for 1 W @ 4 Ω |
| | COVERAGE | Damping factor @ 100 Hz | >10000 |
| Horizontal | omni | THD+N 1kHz,1 W | 0.2% |
| Vertical | omni | | 1/4 of max output power @ 4 Ω @230V = 1123 BTU/h (283 KCal/h) @115V = BTU/h (190 KCal/h) |
| | CROSSOVER | Thermal dissipation | |
| Туре | Internal DSP controlled | | AC POWER |
| Frequency | Low pass @ 150 Hz (maximum - preset dependent) | Nominal power requirements | 100 - 240 Vac ± 10% 50-60 Hz |
| | TRANSDUCERS | Operating Range | 85 – 265 Vac |
| Туре | 2 X 18" Neodymium magnet woofer with 3" voice coil | | CONSUMPTION |
| | AUDIO IN/OUT | Power factor ($\cos \phi$) | >0.90 $	ext{ @ }4\Omega$ full power |
| Analog connectors | 2 male + 2 female 3-pin balanced XLR | 1/8 rated power (pink noise)@ 4 Ω | 600 W |
| Digital connectors | 1 male + 1 female 3-pin balanced XLR | | CERTIFICATION |
| | REMOTE CONTROL INPUT | IP | 20 (53 with K-AMPCOVER accessory) |
| Connectors | 1 male + 1 female XLR parallel 1 USB B Jack serial converter | | PHYSICAL |
| | | Dimensions | 94.9 cm x 48.0 cm x 60.0 cm (37.4" x 18.9" x 23.6") |

Weight

49.0 kg (108.03 lbs)

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. 1.4