



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
- Ultra fast set-up and dismantling system
- Fitted with integral handles

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed AV systems
- Houses of worship
- Optimized for KY102

ACCESSORIES

K-USB

COLORS AVAILABLE

BLACK 



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 2400 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 on-board DSP 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 KMT218 components are designed by the K-array R&D department and custom-made under the K-array quality control system.



	ACOUSTICS		AMPLIFIER
Power handling	1600 W	Type	1 module class D - DSP controlled
Max power	2800 W ⁽¹⁾	Subwoofer Power Output	2400 W @ 4 Ω 1% THD + NOISE ⁽⁵⁾
Impedance	4 Ω	Speakon Power output	2400 W @ 4 Ω 1% THD + NOISE ⁽⁵⁾
Frequency range (-10 dB)	30 Hz – 150 Hz ⁽²⁾	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 ⁽³⁾	Frequency response	20 Hz – 20 kHz (+0 -1 dB) for 1 W @ 4 Ω
Maximum SPL	133 dB (cont.) – 139 dB (peak) ⁽⁴⁾	Damping factor @ 100 Hz	>10000
	COVERAGE	THD+N 1kHz,1 W	0.2%
Horizontal	omni		
Vertical	omni		
	CROSSOVER	Nominal power requirements	100 - 240 Vac ± 10% 50-60 Hz
Type	Internal DSP controlled	Operating Range	85 – 265 Vac
Frequency	Low pass @ 150 Hz (maximum - preset dependent)	Power factor (cos φ)	>0.90 @ 4Ω full power
	TRANSDUCERS	1/8 rated power (pink noise)@ 4Ω	600 W
Type	2 X 18" Neodymium magnet woofer with 3" voice coil		
	AUDIO IN/OUT		
Analog connectors	2 male + 2 female 3-pin balanced XLR	IP	20 (53 with K-AMPCOVER accessory)
Digital connectors	1 male + 1 female 3-pin balanced XLR		
	REMOTE CONTROL INPUT	Dimensions	94.9 cm x 48.0 cm x 60.0 cm (37.4" x 18.9" x 23.6")
Connectors	1 male + 1 female XLR parallel 1 USB B Jack serial converter	Weight	45.0 kg (99.2 lbs)

Notes for data

1. Maximum RMS applicable power for a musical signal. The reference signal is the one proposed by EIAJ standard
2. With dedicated preset;
3. Measured @4 mt then scaled @1 mt;
4. Measured with musical signal
5. EIAJ Test Standard, 1KHz, 1%THD

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.

