



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, K-XM45, K-XF45

COLORS AVAILABLE

BLACK



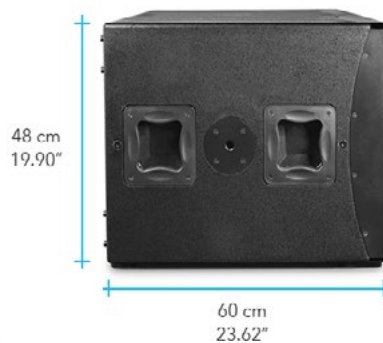
DESCRIPTION

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 2500 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, internally generated test signal, In/Out routing, speakon output delay (up to 12 ms.), subwoofer delay (up to 12 ms.), 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. There are many different DSP presets, specifically made by K-array to optimize the system performance of the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the KMT218 module.

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.



TECHNICAL SPECIFICATIONS

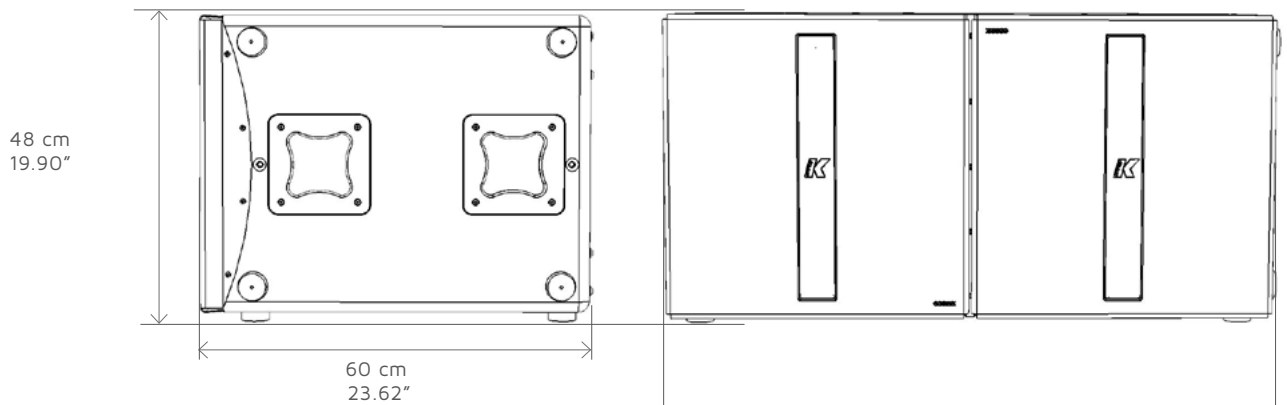
portable systems KMT218 DATASHEET

	ACOUSTICS		AMPLIFIER
Power handling	1600 W	Type	1 module class D - DSP controlled
Max power	2800 W ⁽¹⁾	Subwoofer Power Output	2500 W @ 4 Ω 1% THD + NOISE ⁽⁵⁾
Impedance	4 Ω	Speaker Power output	2500 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 @ 8 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	Thermal dissipation	1/4 of max output power @ 4 Ω • @230V = 1123 BTU/h (283 KCal/h) • @115V = BTU/h (190 KCal/h)
Vertical	omni	Nominal power requirements	100 - 240 Vac ± 10% 50/60 Hz
	CROSSOVER	Operating Range	85 - 265 Vac
Type	Internal DSP controlled	Consumption	>0.90 @ 4Ω full power
Frequency	Low pass @ 150 HZ (maximum - preset dependent)	Power factor (cos φ)	600 W
	TRANSDUCERS	1/8 rated power (pink noise)@ 4Ω	
Type	2 X 18" Neodymium magnet woofer with 3" voice coil		
	AUDIO IN/OUT		
Analog connectors	2 male + 2 female 3-pin balanced XLR		
Digital connectors	1 male + 1 female 3-pin balanced XLR		
	REMOTE CONTROL INPUT		
Connectors	1 male + 1 female XLR parallel 1 USB B Jack serial converter		
		Dimensions	95.3 cm x 48 cm x 60 cm (37.52" x 19.9" x 23.62")
		Weight	49 Kg (108.03 lb)

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.



ARCHITECT SPECIFICATIONS



95.3 cm
37.52"