Thunder-KMT218

Multi-task powered 2 x 18" subwoofer
with DSP and power output

DATASHEET

Portable Series Thunder-KMT218

DESCRIPTION

The K-array Thunder-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.

COLORS & PREMIUM FINISHES AVAILABLE

Black White Custom

SUGGESTED ACCESSORIES

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

FEATURES

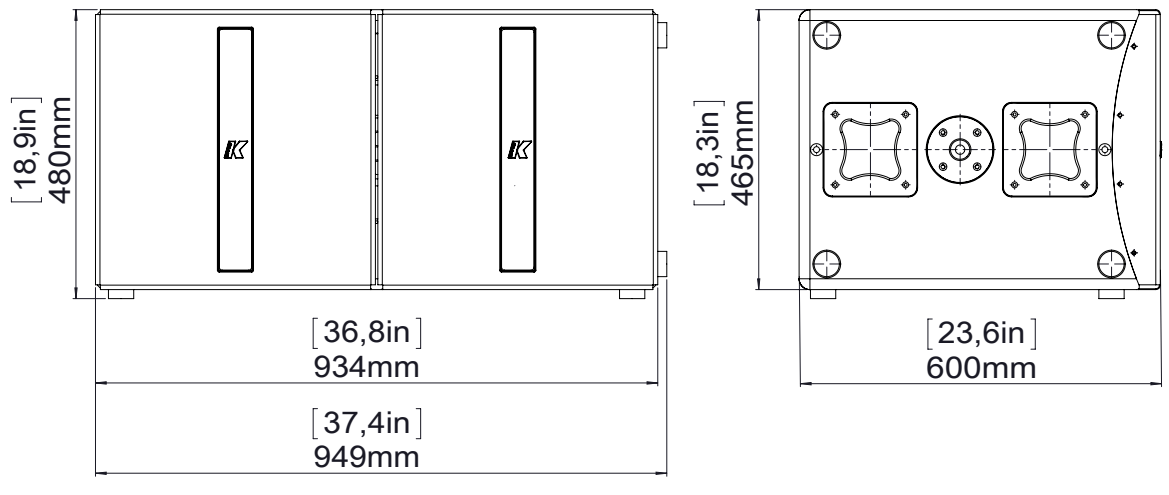
Weather Resistent · Lightweight · On-Board Touch Screen · Dante Compatible

FREQUENT APPLICATIONS

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

TECHNICAL SPECIFICATIONS

ACOUSTICS		Type	1 module class D - DSP controlled
Power handling	1600W (AES)	Subwoofer Power Output	2000 W @ 4 Ω 1% THD + NOISE
Max Power	2800 W	Speakon Power output	2000 W @ 4 Ω 1% THD + NOISE
Impedance	4 Ohm	Protections	Over Temp.(Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/ Permanent Signal Limiter, High Frequency Protection
Frequency range	30 Hz - 150 Hz ± 3dB (preset relating)		
SPL 1W/1mt	101 db	Frequency response	20 Hz – 20 kHz (+0 -1 dB) for 1 W @ 4 Ω
Maximum SPL3	134dB (cont) - 140dB (peak)	Damping factor @ 100 Hz	>10000
COVERAGE		THD+N 1kHz,1 W	0.2%
Type	Omni	Thermal dissipation	1/4 of max output power @ 4 Ω @230V = 1123 BTU/h (283 KCal/h) @115V = BTU/h (190 KCal/h)
CROSSOVER		Nominal power requirements	100 - 240 Vac ± 10% 50-60 Hz
Type	DSP controlled	**AC POWER**	85 – 265 Vac (auto-range)
Frequency	Low pass @ 150 Hz (maximum - preset dependent)	Nominal power requirements	100 - 240 Vac ± 10% 50-60 Hz
TRANSDUCERS		Operating Range	85 – 265 Vac
Type	2 X 18" Neodymium magnet woofer with 3" voice coil	**CONSUMPTION**	
AUDIO IN/OUT		Power factor (cos)	>0.90 @ 4Ω full power
Analog Connectors	2 male + 2 female 3-pin balanced XLR	1/8 rated power (pink noise)@ 4Ω	
Digital Connectors	1 male + 1 female 3-pin XLR	**CERTIFICATION**	
REMOTE CONTROL INPUT		IP	20 (53 with K-AMPCOVER accessory)
Connector	1 male + 1 female XLR parallel	**PHYSICAL**	
Connector	1 USB B Jack serial converter	Dimensions	94.9 x 48.0 x 60.0 cm (37.36" x 18.89" x 23.62") (2)
AMPLIFIER		Weight	49.0 Kg (108.2 lb)

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.