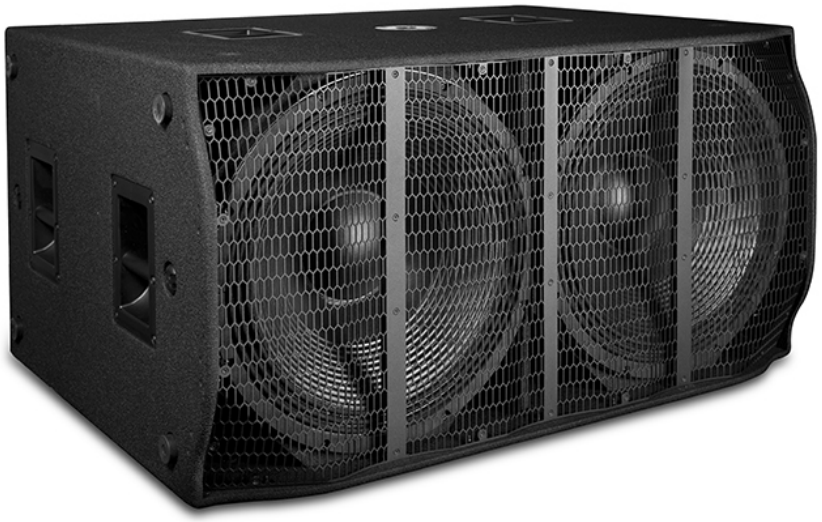
Mugello-KS5

Large format, self-powered subwoofer element

DATASHEET

Concert Series Mugello-KS5



DESCRIPTION

The K-array KS5 is a self-powered subwoofer. It is best suited for high-power extended bass response applications in arenas, theatres, stadiums, concert halls, houses of worship and outdoor events. The 21" loudspeakers feature neodymium magnets with 6" voice coils driven by powerful Class D amplifiers. The large ports are 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. The triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance. The rear panel provides inputs for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol. 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 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 KS5 module.
All KS5 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-POLE1
- K-DANTE
- K-USB
- K-WHEEL
- K-WHEELB
- K-COVERS5

FEATURES

Weather Resistent

On-Board Touch Screen

Dante Compatible

FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE
- LARGE CONGREGATIONS
- NIGHTCLUBS
- STADIUMS & SPORT VENUES
- THEATERS & CONCERT HALLS
- EVENT PRODUCTIONS
- THEME PARKS
- CINEMAS

TECHNICAL SPECIFICATIONS

ACOUSTICS		Connectors	1 male + 1 female XLR parallel /
Power handling	2 x 2500 W	**AMPLIFIER**	
Max Power	8000 W [1]	Type	1 module class D - DSP controlled
Impedance	2 x 2 Ω	Nominal Power Output	2 X 3500 W @ 2 Ω 1% THD + NOISE [5]
Frequency range (-10 dB)	25 Hz – 120 kHz [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	99.5 dB [3]	Frequency response	20 Hz – 20 kHz (+0 -1 dB) for 1 W @ 8 Ω
Maximum SPL	138 dB (cont.) – 141 dB (peak) [4]	Damping factor @ 100 Hz	>10000
COVERAGE		THD+N 1kHz,1 W	0.2%
Horizontal	omni - cardio (array)	**AC POWER**	
Vertical	omni - cardio (array)	Nominal power requirements	100-240 ± 10%, 50-60 Hz with PFC
CROSSOVER		Operating Range	90 – 264 Vac (auto range)
Type	Internal DSP controlled	**CONSUMPTION**	
Frequency	low pass @ 150 Hz (maximum)	Power factor (cos)	>0.90 @ 4Ω full power
TRANSDUCERS		1/8 rated power (pink noise)@ 4Ω	600 W
Type	2 X 21" Neodymium magnet woofer with 5.5" voice coil	**CERTIFICATION**	
AUDIO IN/OUT		IP	20 (53 with K-AMPCOVER accessory)
Analog Connectors	2 male + 2 female 3-pin balanced XLR	**PHYSICAL OVERVIEW**	
Digital Connectors	1 male + 1 female 3-pin XLR	Dimensions	116.2 cm x 59.0 cm x 85.0 cm (45.74" x 23.22" x 33.46") [6]
REMOTE CONTROL INPUT		Weight	104.4 kg (230.16 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
6. (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 those presented in this catalogue.