



KS5

Large format, Self-powered, subwoofer element

FEATURES

- Self powered
- Integrated DSP with multiple analog and digital inputs
- Onboard touch screen with matrix control
- RS485 and USB connectivity for remote control

APPLICATIONS

- Large and medium scale events
- Touring sound reinforcement
- Theatres, Stadiums, Concert halls, Arenas
- Houses of worship

ACCESSORIES

K-OCOVER2, K-USB, K-XM45, K-XF45

COLORS AVAILABLE

BLACK 



DESCRIPTION

The K-array KS5 is a self-powered, subwoofer system. 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 D-class 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, 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 40 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.



TECHNICAL SPECIFICATIONS

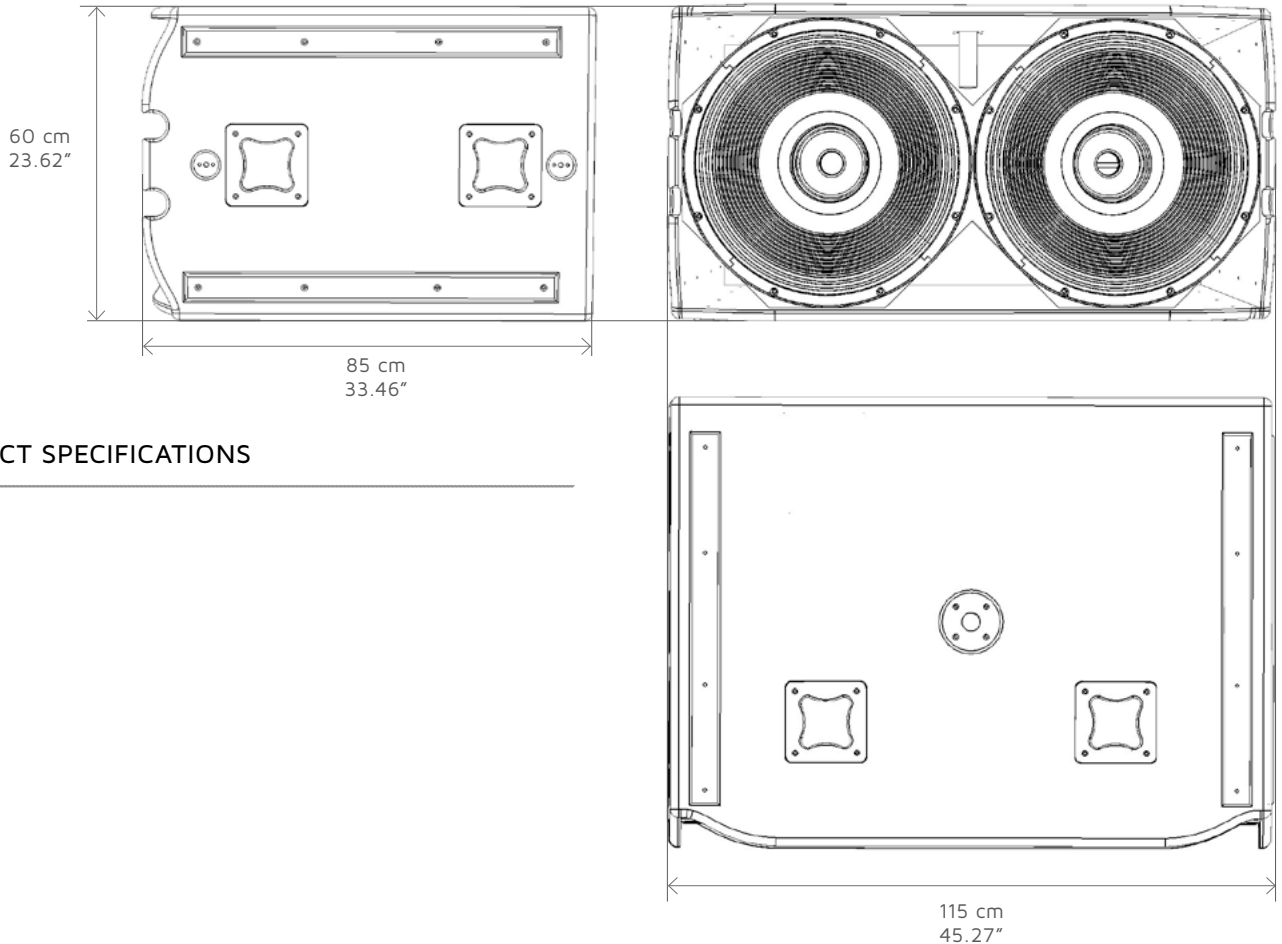
concert series KS5

	ACOUSTICS		AMPLIFIER
Power handling	2 x 2500 W	Type	1 module class D - DSP controlled
Max power	8000 W ⁽¹⁾	Nominal Power Output	2 X 3500 W @ 2 Ω 1% THD + NOISE ⁽⁵⁾
Impedance	2 x 2 Ω	Protections	Over Temp.(Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
Frequency range (-10 dB)	25 Hz – 120 Hz ⁽²⁾	Frequency response	20 Hz – 20 kHz (+0 -1 dB) for 1 W @ 8 Ω
SPL 1W/1mt	99.5 dB ⁽³⁾	Damping factor @ 100 Hz	>10000
Maximum SPL	138 dB (cont.) – 142 dB (peak) ⁽⁴⁾	THD+N 1kHz,1 W	0.2%
	COVERAGE	Thermal dissipation	1/4 of max output power @ 4 Ω • @230V = 1123 BTU/h (283 KCal/h) • @115V = BTU/h (190 KCal/h)
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 φ)	>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
Analog connectors	2 male + 2 female 3-pin balanced XLR	PHYSICAL	
Digital connectors	1 male + 1 female 3-pin balanced XLR	Dimensions	115 cm x 60 cm x 85 cm (45.27" x 23.62" x 33.46 ")
	REMOTE CONTROL INPUT	Weight	90 Kg (198.41 lb)
Connectors	1 male + 1 female XLR parallel 1 USB B Jack serial converter		

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