



KH3

Medium format, digital acoustic steering, powered line array element

FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP with multiple analog and digital inputs
- Onboard touch screen with matrix control
- Digital acoustic steering system
- Wide horizontal coverage
- RS485 and USB connectivity for remote control

APPLICATIONS

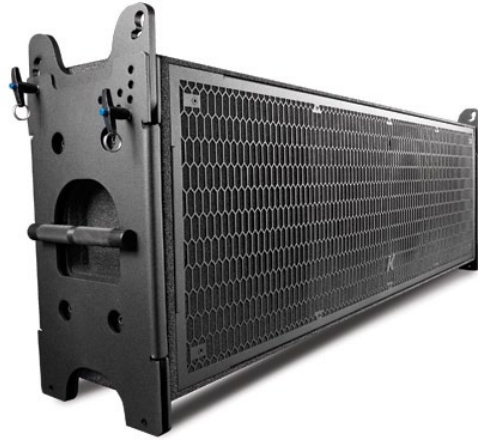
- Medium scale events
- Touring sound reinforcement
- Theatres, Stadiums, Concert halls, Arenas
- Houses of worship
- Portable and installed AV systems

ACCESSORIES

K-HCFLY, K-HCBASE, K-HCLINK2/35, K-USB

COLORS AVAILABLE

BLACK 



DESCRIPTION

Research conducted over 10 years which was used to develop the next generation of touring systems, the Firenze Series, has also been applied to the new line of K-array speakers, the Concert Series.

This groundwork led to significant advancements including the ability to digitally steer the sound, the use of an onboard touch screen and an intelligent integration of capabilities such as various stacking and hanging positions, weather resistance and integrated DSP multiple analog and digital inputs. The company's signature compact design, Slim Array Technology, is also implemented.

The KH3 in the K-array Concert Series was designed with larger scale events in stadiums, arenas, concert halls and theatres in mind. The unique performance-to-size ratio measures up two large 12" Neodymium magnet woofers with a 2.5" voice coil each and two 1.4" compression drivers with a 2.5" voice coil each. The medium to large format speaker has the ability to drive sound farther.

All KH3 components are designed by K-array and custom-made under K-array's quality control system.



S.A.T.



SlimArrayTechnology



TECHNICAL SPECIFICATIONS

	ACOUSTICS		AMPLIFIER
Power handling	1000 + 250 W	Type	1 modules class D - DSP controlled
Max power	2500 W ⁽¹⁾	Nominal Power Output	2 x 1600 W @ 4 Ω 1% THD + NOISE ⁽⁵⁾
Frequency range (-10 dB)	60 Hz - 19 kHz ⁽²⁾	Protections	Over Temp. (Power Limiting - Thermal Shut-down), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
SPL 1W/1mt	100 dB ⁽³⁾		
Maximum SPL	132 dB (cont.) - 138 dB (peak) ⁽⁴⁾		
	COVERAGE		AC POWER
Horizontal	110°	Nominal power requirements	100 - 240 Vac ± 10% 50-60 Hz
Vertical	20° (preset dependent)	Operating Range	85 - 265 Vac (auto-range)
	CROSSOVER		CONSUMPTION
Type	Electronic	Power factor (cosφ)	>0.90 @ 4Ω full power
Frequency	1200 Hz	1/8 rated power (pink noise)@ 4Ω	300 W
	TRANSDUCERS		CERTIFICATION
Type	2 X 12" Neodymium magnet woofer with 2.5" voice coil 2 X 1.4" compression driver with 2.5" voice coil	IP	20 (53 with K-AMPCOVER accessory)
	AUDIO IN/OUT	Dimensions	PHYSICAL
Analog connectors	2 male + 2 female 3-pin balanced XLR		121.8 cm x 37.0 cm x 21.0 cm (47.9" x 14.6" x 8.3")
Digital connectors	1 male + 1 female 3-pin balanced XLR	Weight	43.6 kg (96.1 lbs) connecting hardware included
	REMOTE CONTROL INPUT		
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.

