

KH2

Small 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
- Digital acoustic steering system
- Wide horizontal coverage
- RS485 and USB connectivity for remote control

APPLICATIONS

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

COLORS AVAILABLE

Black



SPECIFIC RAL CODE FOR A
CUSTOMIZED PAINTED MODEL



ACCESSORIES

K-USB, K-HCFly, K-HCFly2, K-HCbase2,
K-HCLink2/35, K-DANTE, K-HCFlyST2,
K-AMPCover, K-HCDolly2, K-HCLink2/35,
K-POLE1

S.A.T.



SlimArrayTechnology

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. And with the K-dante accessory, the system can be used in Dante network. The company's signature compact design, Slim Array Technology, is also implemented.

The KH2 is the smallest mid-hi line array element offered in the line. The self-powered speaker is comprised of two 8" neodymium magnet woofers each with a 2.5" voice coil and two 1.4" compression drivers with a 2.5" voice coil each.

However small in size, this compact speaker can really deliver a large sound, making it a perfect solution for medium scale events in stadiums, arenas, concert halls and theatres.

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



TECHNICAL SPECIFICATIONS

	ACOUSTICS		AMPLIFIER
Power handling	750 + 250 W	Type	1 modules class D - DSP controlled
Max power	2000 W ⁽¹⁾	Nominal Power Output	2 x 1000 W @ 8 Ω 1% THD + NOISE ⁽⁵⁾
Frequency range (-10 dB)	70 Hz – 19 kHz ⁽²⁾		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	99 dB ⁽³⁾	Protections	
Maximum SPL	130 dB (cont.) – 136 dB (peak) ⁽⁴⁾		AC POWER
	COVERAGE		
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)@ 8Ω	300 W
	TRANSDUCERS		CERTIFICATION
Type	2 X 8" 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		83.9 cm x 28.5 cm x 21.0 cm (33.0" x 11.2" x 8.3")
Digital connectors	1 male + 1 female 3-pin balanced XLR	Weight	29.0 kg (63.9 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.

