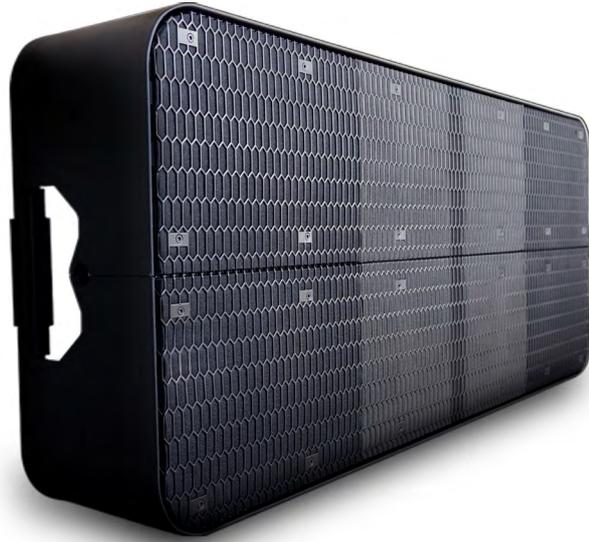




FIRENZE KH8

Digital steerable, slim array technology touring system



INNOVATION HAS NO LIMIT

The KH8 is a top-of-the-line touring system featuring Slim Array Technology (SAT) and digital steering capabilities. Slim and compact, these self-powered and weather resistant speakers provide an exceptional peak output of 145 dB SPL offering a unique solution to the touring audio market. It is fully controlled by the onboard DSPs for hyper detailed beam steering and maximum operational flexibility.

- **TOP-OF-THE-LINE PERFORMANCE**

KH8 complies with the highest standards of the professional live sound market, both in sound quality and SPL

- **QUICK SETUP**

The state of the art rigging system allows you to pre-cable stacks of 3 units to fly a straight 24-unit cluster in less than 10 minutes.

- **AUTO CONFIGURATION**

Design your configuration off site and just sync the system when it's up and on.

- **STRAIGHT ARRAY**

Unique digital steering capabilities allow the user to direct the sound in a targeted area or provide continuous, even coverage, flying the system even completely straight - NO BANANA CURVATURE needed! Each unit is designed to be tilted on its own horizontal axis for exceptional SPL and throw capability.

- **DIGITAL ACOUSTIC STEERING**

Each unit has 8 discrete amplifier channels and hyper detailed beam steering technology to meet any demanding setup requirement and control sound spillover. Each unit is independently steered for maximum operational flexibility without dismounting the cluster. The integrated DSP controls the system's tuning and monitoring, eliminating the need for external processors.

- **WEATHER RESISTANT**

KH8 is a powered IP45 system with an integrated IP65 electronic enclosure, to resist even heavy rain.

- **COST-SENSITIVE**

Rationalized for easy transportation, quick setup and configuration to optimize logistics, space, labor costs and time.

The KH8 maintains the features that have always distinguished K-array:

- Ultra compact and flat system
- Unique performance-to-size ratio
- Sturdy aluminum and steel chassis
- Fully remote controllable.

	ACOUSTICS			AMPLIFIER
Power handling	2000 W ^(AES) + 800 W ^(AES) + 280W ^(AES)	Type		2 Module class D with PFC - DSP controlled
Max Power	6160 W ^(AES)	Nominal Output Power		8 X 2000 W @ 4 Ω 1% THD + NOISE ⁽⁴⁾
Frequency range	60 Hz – 18 KHz (- 3dB) ⁽¹⁾	Protection		Over Temp.(Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
SPL 1W/1mt	102.4 dB (Low) - 99.5dB (Mid) - 119 dB (High) ⁽²⁾	Frequency Response		20 Hz - 20 kHz (+0-1 dB) for 1 W @ 8 Ω
Maximum SPL	145 dB ⁽³⁾	Damping factor 100 Hz		> 10000
	COVERAGE	THD+N 1W to Full Power @ 4 Ω		0.2%
Horizontal	120°	Thermal dissipation		1/4 of max output power @ 4 Ω = 2000 BTU/h (505Kcal/h)
Vertical	Digitally adjustable	Efficiency		> 75% (typical)
	CROSSOVER	1/8 rated power (pink noise) @ 4 Ω per channel		1250 W
Frequency	300 Hz (Low-Mid); 1300 Hz (Mid-High)	Electronics		65
	TRANSDUCERS	Speaker Box		45
Full range	8 X 8" Neodymium magnet woofer with 2.5" voice coil 8 X 4" Neodymium magnet woofer with 1.5" voice coil 4 X 1.4" Neodymium magnet compression driver with 1.5" voice coil	Dimensions (Per Unit)		117 cm x 50 cm x 20 cm (46.1" x 19.7" x 7.88")
	REMOTE CONTROL & AUDIO IN/OUT			CERTIFICATIONS
Connectors	1 Male + 1 Female LK25 connector (IP67)			65
Connection	1 Analog audio - 2 AES/EBU - Remote control over IP			45
	POWER INPUT			PHYSICAL
Connector	1 x PowerCon TRUE1 (IP65)			

Notes for data

1. With dedicated preset;
2. Measured @4 mt then scaled @1 mt;
3. Measured with musical signal
4. EIAJ Test Standard, 1kHz, 1% THD (single ch driven)

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.

