



L.A.M.S. KM8

Ultra compact, high power, passive Line Array Stage Monitor System

Features:

- K** Unique performance-to-size ratio
- K** Single 8" ultra-long excursion bass driver
- K** Twin waveguide constant directivity coverage
- K** Two neodymium motor 1.75" voice coil compression driver
- K** Narrow horizontal coverage, optimised to make versatile line-array stage monitors
- K** Wide asymmetrical vertical coverage
- K** Integrated connection hardware
- K** Top quality components for outstanding performances
- K** For use in stand alone or in L.A.M.S. (Line Array Monitor System) applications



Applications:

- K** From smallest to largest stages
- K** Touring monitoring

The **KM8** is a compact, high performance stage monitor combining high output and controlled dispersion design to meet critical requirements in professional applications. It features a high-excursion 8" mid-low frequency drive unit and two 1.75" compression drivers mounted on two waveguides. *Constant dispersion technology increases the area over which a constant SPL and constant frequency response is maintained. The horizontal coverage can be modified moving the array angles exactly in the same way of a standard line-array PA system, enabling the artist to move around more freely.*

No phase problems will occur in comparison with standard monitoring systems.

KM8 both alone or in array of many units enables accurate reproduction of both vocals and instruments with high gain before feedback.

The **KM8** is best use with **KA** amplifier modules, that, thanks to their dedicated on-board DSP allows exclusive presets employ for great performances and reliability. A full choice of presets is provided to optimize **KM8** performances in any application.

The dedicated remote control software allows to control the **KM8** monitor system powered by **KA** amplifiers, directly from PC.

All the **KM8** components are designed by **K-array** R&D department and custom made under **K-array control quality system**.

Technical Details

Acoustics	
Power handling	600 W ¹
Max power	1000 W ²
Impedance	10 Ω
Operating frequency range	65 Hz - 19 KHz +/- 3dB (preset relating) ³
Frequency range	50 Hz - 20 KHz +/- 3dB (preset relating) ⁴
SPL 1W/1mt	96 dB (low-mid) ⁵
Maximum SPL	124 dB continuous - 130 dB peak ⁶
Coverage	
Horizontal	20°(single unit) - array dependent
Vertical	100°
Cross over	
Type	Passive high-grade 18 dB/oct.
Frequency	1.5 KHz ⁷
Transducers	
Low - Mid frequency	8" Neodymium speaker with 3" voice coil
High frequency	Two Neodymium drivers with 1.75" voice coil on 4"x1" wave-guide
Power Audio Input	
Connectors	Two x 4 poles SPEAKON
Wiring	CH A (1+ / 1-) - CH B (2+ / 2-)
Selection Switches	
Circuit	CH A/CH B wiring mode possibility
Power Input	
Connectors	2 x Speakon IN/OUT
Recommended Amplifiers	
Single ended mode	KA10, KA15 and KA40 to drive till 3 units of KM8 each channel
Bridge mode	KA10 to drive one unit each amplifier
Physical	
Measures	26 x 28 x 35 cm
Weight	10 Kg

Notes for data

1. Power handling is measured following AES standard conditions: transducers driven continuously for two hours with a band-limited noise signal having 6 dB of crest factor.
2. Max power is the maximum RMS applicable power for a musical signal, the referent signal is the one proposed by EIAJ standard.
3. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
4. Free field measured with 1/3 octave frequency resolution at 2 mt.
5. Measured@4 mt then scaled@1 mt.
6. Measured with audio source @1 mt.
7. This is the frequency in which the transducers produce the same sound pressure level (measured@2 mt).
8. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

New materials and design are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this brochure.

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