

KR200S

High tech ultra-light powered system

Redline

array
K

DATASHEET

Features:

- Unique performance-to-size ratio
- High power 127dB continuous, 133dB peak
- Fitted with integral handles
- Line array emission wavefront
- Integrated mounting system
- DSP on board with 16 dedicated presets
- Remote PC control software (RS485)
- Ultra fast set-up and dismantling system

Applications:

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects



The K-array Redline Series KR200s is a compact and efficient portable powered PA/stage monitor system ideal for Concert Halls, Theatre, Houses of Worship and AV presentations. It is comprised of the KL18ma self-powered subwoofer with an additional DSP controlled powered output and 35mm pole adaptor designed for a KR200 ultra-slim line array satellite speaker. The KR200 is comprised of 2 x two meters stainless steel chassis each containing 32 x 2" neodymium transducers. They are 5.5 cm wide and 7 cm deep, weighing 9 Kg total. They are hinged together for focusing and easier transport. Due to the slim profile and minimum distance between drivers it reproduces the full vocal frequency range with clear intelligibility and excellent phase coherent 120° x 7° coverage.

The 18" long-excursion speaker of the KL18ma sub section employs a neodymium magnet and 3" voice coil. The large ports are designed to be fully symmetrical to the speaker, which means the back loading on the driver is consistent and even, with no port air turbulence. The cabinet weighs a mere 20 Kg. The triangle port construction provides excellent structural integrity and strength, effectively eliminating any box resonance.

The overall system response is from below 40 Hz to 19KHz with 127dB continuous and 133 dB peak output.

An internal DSP module provides control presets. The output can optionally be used to power the KL18 passive subwoofer. Dedicated software allows for remote control of the system from a PC

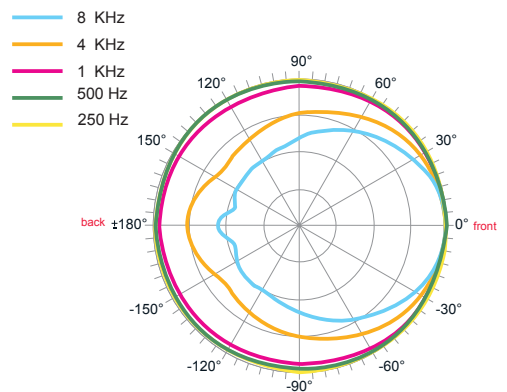
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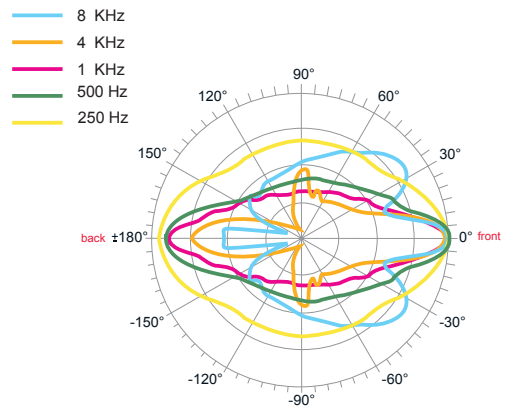
KR200S (specifications for one side system)	
Acoustics	
Speakers power handling	800(sub) + 500(sat) w ^(EAS)
Max power	1200(sub) + 1200(sat) w ¹
Impedance	8Ω(sub)+16Ω(sat)
Frequency range	30Hz - 19 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	97 dB (sub) 101 dB (sat) ²
Maximum SPL	127dB continuous - 133 dB peak
Coverage	
Horizontal	100°
Vertical	7°
Crossover	
Type	DSP controlled
Frequency	150 Hz minimum (preset dependent)
Transducers	
Low frequency	1 x 18" Neodymium speakers with 3" voice coil
High frequency	32 x 2" Neodymium speakers with 0,75" voice coil
Audio Input	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	Pin1 = ground - Pin2 = hot - Pin3 = cold
Audio powered Output	
Connector	Female Speakon
Wiring	Pin1+= CH1+ Pin1= CH1- Pin2+= N.C. Pin2= N.C.
Remote control Input	
Connectors	1 x female 8 poles RJ45
Power Input	
Connectors	2 x PowerCon IN/OUT
Amplifiers	
Type	1 modules class D - DSP controlled
Subwoofer power	1000 Watt ³ @8Ω
Satellite power output	1000 Watt ³ @8Ω
Protection	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	210 - 240 Vac 50Hz (Default) 100 - 120 Vac 60Hz (Selectable)
I. nom	5.5 A / 115 Vac - 2.9 A / 230 Vac
Minimum operation voltage	95 Vac - 195 Vac
Maximum operation voltage	125 Vac - 205 Vac
Max continuous and burst current	Default 6A(>10 sec) - 12A (<1 sec) Selectable 10A(>10 sec) - 20A (<1sec)
Physical	
Dimensions	KL18ma: 46.5 x 47.5 x 61 cm (18.31"x 18.70" x 24.02") KR200: 5.7 x 222.5 x 7.4 cm (2.24"x 87.60" x 2.91")
Weight	KL18ma: 25.8 Kg (56.88 lbs) KR200: 8.2 Kg (18.08 lbs)



DISPERSION GRAPHS



horizontal



vertical

Notes for data

1. Maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard.
2. Measured @4 mt then scaled @1 mt
3. 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.