

# KL12ma

High technology self-powered  
Sub Bass speaker

## Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Top quality components for outstanding performance
- Integrated 35mm pole adapter
- Ultra-fast set-up and dismantling system
- For use in combination with other K-array systems

## Applications:

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

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## DATASHEET



The K-array KL12ma is a self-powered subwoofer. An additional DSP controlled powered output is designed for the KL12 passive subwoofer or for a KK100 ultra-slim satellite speaker.

This combination is known as the Redline KR100 full-range portable powered PA system.

The 12" long-excursion speaker 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 triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance.

An internal DSP module provides control presets. Dedicated software allows for remote control of the speaker from a PC.

All KL12ma components are designed by the K-array R&D department and custom made under the K-array quality control system.

[www.k-array.com](http://www.k-array.com)

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	<b><i>KL12ma</i></b>
	<b>Acoustics</b>
Speaker power handling	600 W <sup>(AES)</sup>
Max power	1200 W <sup>1</sup>
Amplifier	
Frequency range	40 Hz - 150 Hz
SPL 1W/1mt	95 dB <sup>2</sup>
Maximum SPL	124 dB continuous - 130 dB peak
	<b>Coverage</b>
	Omni
	<b>Crossover</b>
Type	DSP controlled
Frequency	150 Hz
	<b>Transducers</b>
Low frequency	12 x 12" Neodymium speakers with 3" voice coil
	<b>Audio Input</b>
Connectors	male + female parallel 3-pin balanced XLR
Wiring	PIN1= ground   PIN2 = hot (+)   PIN3 = cold (-)
	<b>Power Audio Output</b>
Connectors	1 x 4-pin speakon
Wiring	Pin1 = 1+ / Pin2 = 1- / Pin3 = N.C. / Pin4 = N.C.
	<b>Remote control Input</b>
Connectors	1 x female 8-pin RJ45
	<b>Power Input</b>
Connectors	2 x PowerCon IN/OUT
	<b>Amplifiers</b>
Type	1 module class D - DSP controlled
Power	750 W x 2 CHs at 4 ohms (1500 W total) <sup>3</sup>
Protection	Dynamic limiter, over current, over temp, short circuits
	<b>AC power</b>
Operating range	210 - 240 Vac 50Hz (default) 100 - 120 Vac 60Hz (selectable)
I.nom	3,6 (115Vac) / 2,2 (230Vac)
Consumption	270 VA (1/8 max out power @ 8 Ω bridged)
Minimum operation voltage	95 Vac - 195 Vac
Maximum operation voltage	125 Vac - 250 Vac
Max continuous and burst current	Default 12A(>10 sec) - 24A (<1 sec) Selectable 20A(>10 sec) - 40A (<1sec)
	<b>Physical</b>
Dimensions	32.8 x 33.5 x 43.5 cm (12.91" x 13.19" x 17.13")
Weight	15 Kg (33.07 lbs)

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.