

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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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.

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	KL12ma
	Acoustics
Speaker power handling	w ^(AES)
Maximum amplifier power	5000 w + 700 w ^(EIAJ)
Operating frequency range	120 Hz - 19 KHz. 139 dB continuous - 145 dB peak
Full frequency range	80 Hz - 19 KHz. 133 dB continuous - 139 dB peak
	Coverage
Horizontal	120°
Vertical	mechanically variable from 7° to 37°
	Cross over
Type	DSP controlled
Frequency	1.2 KHz minimum
	Transducers
Low - Mid frequency	12 x 8" Neodymium speakers with 2.5" voice coil
High frequency	5 x 1" Neodymium planar wave drivers with 1.75" voice coil
	Audio Input
Connectors	male + female parallel 3-pin balanced XLR
Wiring	Pin1 = ground / Pin2 = hot (+) / Pin3 = cold (-)
	Remote control Input
Connectors	2 x female 8-pin RJ45
	Power Input
Connectors	2 x PowerCon IN/OUT
	Amplifiers
Type	4 modules class D - DSP controlled
Power	500 watts x 8 channels at 4 ohms (4000 watt total) ¹
Protection	Dynamic limiter, over current, over temp, short circuits
	AC power
Operating range	210 - 240 Vac 50Hz (default) 100 - 120 Vac 60Hz (selectable)
Max continuous and burst current	Default 12A(>10 sec) - 24A (<1 sec) Selectable 20A(>10 sec) - 40A (<1sec)
	Physical
Dimensions	112 x 60 x 16 cm (44" x 23.62" x 6.29")
Weight	47 Kg (103.62 lbs)
	<p><i>Notes for data</i></p> <p>1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.</p> <p>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.</p>