

# KL18ma

High tech ultra-light powered 18" subwoofer with power output

Redline

array  
**K**

DATASHEET

## Features:

- Unique performance-to-size ratio
- High power 127dB continuous, 133dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 18" driver
- Integrated 35mm pole adapter
- 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
- Optimized for KR200 or KL18 speakers



The KL18ma is a high performance powered sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. The KL18ma includes a powered and DSP processed powered output channel, designed for KR200 ultra slim satellite or KL18 passive 18" subwoofer. It features a 1600 watt 18" drive unit with magnet structure and suspension engineered for maximum linear excursion.

The ultra-light reflex cabinet is fitted with two pocket handles and one 35mm pole mounting point for easy installation with every satellite speaker on it. It features large area porting to reduce air noise.

The KL18ma is ideal for medium throw applications, like theaters, concert halls, AV installations.

All the KL18ma components are designed by K- array R&D department and custom made under K-array control quality system.

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

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	<b><i>KL18ma</i></b>
	<b>Acoustics</b>
Speakers power handling	800 w <sup>(EAS)</sup>
Maximum amplifier power	1200 w <sup>1</sup>
Impedance	8Ω
Frequency range	30Hz - 19 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	97 dB <sup>2</sup>
Maximum SPL	127dB continuous - 133 dB peak
	<b>Coverage</b>
	Omni
	<b>Crossover</b>
Type	DSP controlled
Frequency	150 Hz minimum (preset dependent)
	<b>Transducers</b>
	1 x 18" 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>Audio powered Output</b>
Connector	Female Speakon
Wiring	Pin1+= CH1+ Pin1= CH1- Pin2+= N.C. Pin2= 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 modules class D - DSP controlled
Subwoofer power	1000 Watt <sup>3</sup> @8Ω
Satellite power output	1000 Watt <sup>3</sup> @8Ω
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	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 continuos and burst current	Default 6A(>10 sec) - 12A (<1 sec) Selectable 10A(>10 sec) - 20A (<1sec)
	<b>Physical</b>
Dimensions	KL18ma: 46.5 x 47.5 x 61 cm (18.31"x 18.70" x 24.02")
Weight	KL18ma: 25.8 Kg (56.88 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.