

### Features:

- K** Unique performance-to-size ratio
- K** High power 127dB continuous, 133dB peak
- K** Fitted with integral handles and castors
- K** Direct radiating, long excursion 18" driver
- K** Integrated 35mm pole adapter
- K** Ultra fast set-up and dismantling system

### Applications:

- K** Theatrical sound reinforcement
- K** Concert halls, clubs, houses of worship
- K** Portable and installed audio-visual systems
- K** Cinema and special effects
- K** Optimized for **KR200** or **KL18** speakers

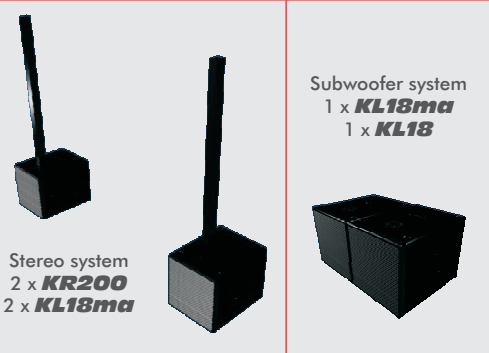
The **KL18ma** is a high performance powered sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. The **KL18ma** includes a powered and DSP processed powered output channel, designed for **KR200** ultra slim satellite or **KL18** passive 18" 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.



### Technical Details

Acoustics	
Power handling	800 w <sup>1</sup>
Max power	1600 w <sup>2</sup>
Impedance	8Ω
Operating frequency range	30Hz - 150 Hz +/- 3dB (preset relating) <sup>3</sup>
Frequency range	35Hz - 100 Hz +/- 3dB (preset relating) <sup>4</sup>
SPL 1W/1mt	97 dB (low) 101 dB (high) <sup>5</sup>
Maximum SPL	127dB continuous - 133 dB peak <sup>6</sup>
Cross over	
Type	DSP controlled preset relating
Frequency	150 Hz minimum (preset relating) <sup>7</sup>
Transducers	
Low - Mid frequency	1 x 18" Neodymium speakers with 3" voice coil
Audio Input	
Connectors	male + female parallel 3 poles 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 <sup>8</sup>
Power output	1000 Watt <sup>8</sup>
Protections	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	Standard 210 - 240 Vac 50Hz (standard) Optional 100 - 120 Vac 60Hz (optional)
Max continuous and burst current	Standard 6A(>10 sec) - 12A (<1 sec) Optional 10A(>10 sec) - 20A (<1sec)
Physical	
Measures	46.5 x 46.5 x 58.5 cm
Weight	20 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.