

High tech ultra-light powered 12" subwoofer with power output

Features:

- K** Unique performance-to-size ratio
- K** High power 124dB continuous, 130dB peak
- K** Fitted with integral handles and castors
- K** Direct radiating, long excursion 12" driver
- K** Integrated 35mm pole adapter
- K** Ultra fast set-up and dismantling system

Applications:

- K** Theatrical sound reinforcement
- K** Clubs, houses of worship, AV
- K** Portable and installed audio-visual systems
- K** Cinema and special effects
- K** Optimized for **KR100** or **KL12** speakers



Technical Details

| | |
|----------------------------------|--|
| Acoustics | |
| Power handling | 500 w ¹ |
| Max power | 1000 w ² |
| Impedance | 4Ω |
| Operating frequency range | 40Hz - 150 Hz +/- 3dB (preset relating) ³ |
| Frequency range | 35Hz - 100 Hz +/- 3dB (preset relating) ⁴ |
| SPL 1W/1mt | 98.5 dB ⁵ |
| Maximum SPL | 124 dB continuous - 130 dB peak ⁶ |
| Cross over | |
| Type | DSP controlled preset relating |
| Frequency | 150 Hz minimum (preset relating) ⁷ |
| Transducers | |
| Low - Mid frequency | 1 x 12" 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 | 750 Watt ⁸ |
| Power output | 750 Watt ⁸ |
| 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 | 33.5 x 33.5 x 43.5 cm |
| Weight | 13 Kg |

The **KL12ma** is a high performance powered sub-bass system designed for use with small wavefront systems, in both touring and install applications. The **KL12ma** includes a powered and DSP processed powered output channel, designed for **KR100** ultra slim satellite or **KL12** passive 12" subwoofer.

It features a 1000 watt 12" 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 **KL12ma** is ideal for small throw applications, like theaters, AV installations, Clubs.

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

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 referement 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.