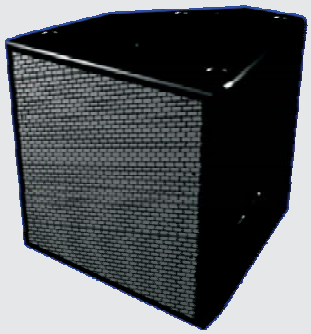
K array Redline KF8

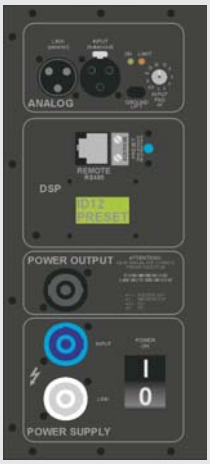
High technology self-powered coaxial fullrange speaker

Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Flat amplitude and phase response
- Wide, symmetrical pattern covers broad listening areas
- Integrated 35mm pole adapter
- Ultra fast set-up and dismantling system
- For use as stand alone fullrange or in combination with ***KL12*** subwoofer



BACKPANEL



Applications:

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

The ***KF8*** is a self-powered 2 way fullrange coaxial speaker. In its ultra-compact sizes it has an incredible reserve of power that ensures very high pressure on a wide 3D coverage, maintaining the sound quality constant. The ***KF8*** is ideal for small and medium throw applications, like theaters, concert halls, churches. The ***KF8*** is designed to easily integrate with ***KL12*** ultralight subwoofer, using the Sub power Output on the ***KF8***.

The ***KF8*** uses one 8" inches cone drivers for low-mid frequencies with 3" voice coil, powered by one power amplifier channels. The mid-high frequencies section uses one 1.5" voice coil compression drivers. The coaxial mounting system, ensure a coherent frequency response on all the 70°x70° front area.

The transducers of ***KF8*** are driven by an internal DSP module, a dedicated remote control software allows to control the speaker from PC.

All the ***KF8*** components are designed by ***K-array*** R&D department and custom made under ***K-array control quality system***.

Technical Details

Acoustics	
Power handling	500 + 100 w[1]
Max power	1000 + 200 w[2]
Impedance	4Ω (woofer) + 8Ω (driver)
Operating frequency range	55Hz - 19 KHz +/- 3dB (preset relating)[3]
Frequency range	65Hz - 19 KHz +/- 3dB (preset relating)[4]
SPL 1W/1mt	96 dB (low) 101 dB (high)[5]
Maximum SPL	123dB continuos - 129 dB peak[6]
Coverage	
Horizontal	70°
Vertical	70°
Cross over	
Type	DSP controlled preset relating
Frequency	1.5 KHz minimum (preset relating)[7]
Transducers	
Low - Mid frequency	1 x 8" Neodymium speakers with 1.75" voice coil
High frequency	1 x 1" Neodymium coaxial compression driver with 1.5" voice coil
Audio Input	
Connectors	male + female parallel 3 poles balanced XLR
Wiring	*Pin1* = ground / *Pin2* = hot / *Pin3* = cold
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
Power	750 + 250 Watt [8]
Sub 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 continuos and burst current	Standard 6A(>10 sec) - 12A (<1 sec) *Optional 10A(>10 sec) - 20A (<1sec)*
Physical	
Measures	24.5 x 26 x 31 cm
Weight	10 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 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 .

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.

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