KR102

High tech ultra-light powered stereo system

The K-array Research and Development, Engineering and Manufacturing divisions have developed three new integrated, self-powered speaker systems, featuring Mid-Hi line array elements matched to powered Subwoofers.

All the systems feature two channels of class D amplification, housed in the sub-woofer. The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling.

An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, internally generated test signal, In/Out routing, subwoofer delay (up to 12 ms.), speakon output to the Mid-H element with delay (up to 12 ms.), and overall system delay (up to 330 ms.)

All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again, conveniently on a standard XLR.

There are 40 different DSP presets, specifically made by K-array to optimize the systems' performance for the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the module. The unique four-corner port configuration gives symmetrical back loading to the sub speaker for extended bass response with very low distortion. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles in the sub and an M20 thread mount position for attaching mid-high speakers, with a variety of mounting and rigging hardware options make the latest additions to the K-array Redline Series very versatile in almost any application and in every type of venue.

KR102 features a pair of KMT12 (12") subs each with 2 channels of 1,000 Watts matched to a KK102 with 12 x 2" Neodymium speaker elements.

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

Features

- Unique performance-to-size ratio
- High power 126 dB continuos, 132 dB peak
- Fitted with integral handles
- Line array emission wavefront
- DSP on-board with dedicated presets
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Concert halls
- Theatrical sound reinforcement
- Houses of worship
- Clubs
- A/V systems
- Cinema and special effects

System components

Accessories

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2LW , K-WALL2, K-WALL2W, K-KCLAMP/S, K-KCLAMP >>> page 40-41

KK102 Specs

Acoustics

Power handling	400 W (AES)
Impedance	8W or 32W (selectable)
Frequency range	150 Hz - 20 KHz.
Maximum SPL	124 dB continuous - 130 dB peak

Coverage

Horizontal	110°
Vertical	7°- 35° (selectable)

Crossover

Type	External Crossover required
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum

Transducers

Full-range	16 x 2" Neodymium magnet with 0.75" voice coil

Power Audio Input

Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)

Selection Switch

Vertical pattern	Spoot - Flood
Impedance	8W - 32W

Physical

Dimensions	8.1 x 100 x 5.9 cm (3.19" x 39.4" x 2.32")
Weight	4.6 Kg (10.14 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

KMT12 Specs (page 96-97)

Acoustics

Power handling	700 W(AES)
Frequency range	40Hz - 150 Hz +/- 3dB (preset relating)
Impedance	8Ω
Maximum SPL	128 dB continuous - 134 dB peak

Coverage

Horizontal	Omni
Vertical	Omni

Crossover

Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)

Transducers

Full-range	1 x 12" Neodymium speakers with 3" voice coil

Amplifiers

Type	1 modules class D - DSP controlled
Power	2x 1000 Watt[1] @8Ω
Protection	Dynamic limiter, over current, over temp, short circuits

Physical

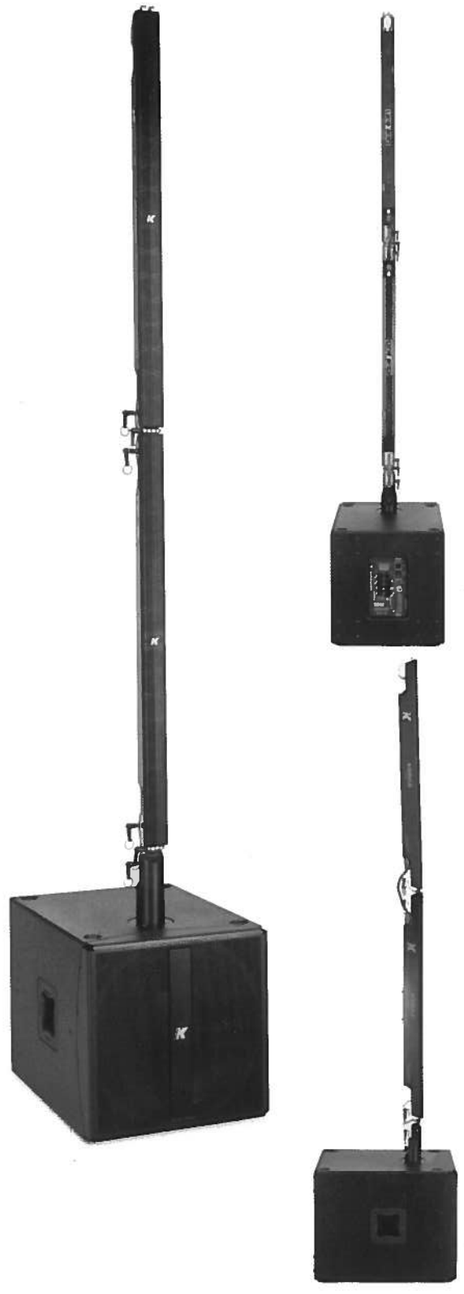
Dimensions	32.5 x 33.5 x 43.5 cm (12.91" x 13.19" x 17.13")
Weight	15.6 Kg (34.39 lbs)

Notes for data
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. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

KR202*

High tech ultra-light powered stereo system

The K-array Research and Development, Engineering and Manufacturing divisions have developed three new integrated, self-powered speaker systems, featuring Mid-Hi line array elements matched to powered Subwoofers.
All the systems feature two channels of class D amplification, housed in the sub-woofer.
The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling. An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, internally generated test signal, In/Out routing, subwoofer delay (up to 12 ms.), speakon output to the Mid-H element with delay (up to 12 ms.), and overall system delay (up to 330 ms.) All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again, conveniently on a standard XLR.
There are 40 different DSP presets, specifically made by K-array to optimize the systems' performance for the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the module. The unique four-corner port configuration gives symmetrical back loading to the sub speaker for extended bass response with very low distortion. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles in the sub and an M20 thread mount position for attaching mid-high speakers, with a variety of mounting and rigging hardware options make the latest additions to the K-array Redline Series very versatile in almost any application and in every type of venue. KR202 features a pair of KMT18 (18") subs each with 2 channels of 1,000 Watts matched to two KK102 Mid-High arrays. A coupling assembly allows the speakers to be mounted side-by-side, giving the ability to vary the vertical dispersion pattern for narrow to wide coverage. All Redline systems are designed by the K-array R&D department and custom-made under the K-array quality control system.



*Not available for the US market
For the US version visit http://usa.k-array.com/

Features

- Unique performance-to-size ratio
- High power 130 dB continuos, 136 dB peak
- Fitted with integral handles
- Line array emission wavefront
- DSP on-board with dedicated presets
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Concert halls
- Theatrical sound reinforcement
- Houses of worship
- Clubs
- A/V systems
- Cinema and special effects

System components

KMT18 | KK102 | K-FOOT2 | K-JOINT2

Accessories

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2LW , K-WALL2, K-WALL2W, K-KCLAMP/S, K-KCLAMP >>> page 40-41

KK102 Specs

Acoustics

Power handling	400 W (AES)
Impedance	8W or 32W (selectable)
Frequency range	150 Hz - 20 KHz.
Maximum SPL	124 dB continuous - 130 dB peak

Coverage

Horizontal	110°
Vertical	7°- 35° (selectable)

Crossover

Type	External Crossover required
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum

Transducers

Full-range	16 x 2" Neodymium magnet with 0.75" voice coil

Power Audio Input

Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)

Selection Switch

Vertical pattern	Spoot - Flood
Impedance	8W - 32W

Physical

Dimensions	8.1 x 100 x 5.9 cm (3.19" x 39.4" x 2.32")
Weight	4.6 Kg (10.14 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

KMT18 Specs (page 98-99)

Acoustics

Power handling	800 W(AES)
Frequency range	30Hz - 150 Hz +/- 3dB (preset relating)
Impedance	8Ω
Maximum SPL	130 dB continuous - 136 dB peak

Coverage

Horizontal	Omni
Vertical	Omni

Crossover

Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)

Transducers

Full-range	1 x 18" Neodymium speakers with 3" voice coil

Amplifiers

Type	1 modules class D - DSP controlled
Power	2x 1000 Watt[1] @8Ω
Protection	Dynamic limiter, over current, over temp, short circuits

Physical

Dimensions	46.5 x 47.5 x 61 cm (18.31"x 18.70" x 24.02")
Weight	27.6 Kg (60.85 lbs)

Notes for data
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. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

KR402

High tech ultra-light powered stereo system

The K-array Research and Development, Engineering and Manufacturing divisions have developed three new integrated, self-powered speaker systems, featuring Mid-Hi line array elements matched to powered Subwoofers.
All the systems feature two channels of class D amplification, housed in the sub-woofer. The rear panel provides input for a balanced line signal, a balanced microphone signal with phantom power, and digital signals in AES/EBU protocol, also on an XLR for ease of cabling. An integrated touch screen provides intuitive managing and editing of powerful DSP controlling: Input and output levels, internally generated test signal, In/Out routing, subwoofer delay (up to 12 ms.), speakon output to the Mid-H element with delay (up to 12 ms.), and overall system delay (up to 330 ms.) All DSP functions, including EQ can be controlled with remote managing software via USB or RS485, again, conveniently on a standard XLR.
There are 40 different DSP presets, specifically made by K-array to optimize the systems' performance for the variety of device configuration available. In addition the user can also create, save, and store his/her own personal presets on the module. The unique four-corner port configuration gives symmetrical back loading to the sub speaker for extended bass response with very low distortion. This also gives incredible structural strength to the cabinet despite its light weight. Pocket handles in the sub and an M20 thread mount position for attaching mid-high speakers, with a variety of mounting and rigging hardware options make the latest additions to the K-array Redline Series very versatile in almost any application and in every type of venue. KR402 features a pair of KMT21 (21") subs each with 2 channels of 2,000 Watts matched to two KP102 Mid-High arrays. A coupling assembly allows the speakers to be mounted side-by-side, giving the ability to vary the vertical dispersion pattern for narrow to wide coverage. All Redline systems are designed by the K-array R&D department and custom-made under the K-array quality control system.

Features

- Unique performance-to-size ratio
- High power 132 dB continuos, 138 dB peak
- Fitted with integral handles
- Line array emission wavefront
- DSP on-board with dedicated presets
- Ultra fast set-up and dismantling system
- Analog and digital AES-EBU inputs
- RS485 and USB connectivity for remote control

Applications

- Concert halls
- Theatrical sound reinforcement
- Houses of worship
- Clubs
- A/V systems
- Cinema and special effects

System components

KMT21 · KP102 · K-FOOT2 · K-JOINT2

Accessories

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2LW , K-WALL2, K-WALL2W, K-KCLAMP/S, K-KCLAMP >>> page 40-41

KP102 Specs

Acoustics

Power handling	720 W (AES)
Impedance	4W or 16W (selectable)
Frequency range	100 Hz - 20 KHz.
Maximum SPL	128 dB continuous - 134 dB peak

Coverage

Horizontal	90°
Vertical	7°- 30° (selectable)

Crossover

Type	External Crossover required
Frequency	High pass @100 Hz, 24 dB/oct suggested minimum

Transducers

Full-range	12 x 3.15" Neodymium magnet with 0.75" voice coil

Power Audio Input

Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)

Selection Switch

Vertical pattern	Spoot - Flood
Impedance	4W - 16W

Physical

Dimensions	8.8 x 100 x 11.8 cm (3.56" x 39.4" x 4.65")
Weight	12 kg (26.45 lbs)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

KMT21 Specs (page 100-101)

Acoustics

Power handling	1800 W(AES)
Frequency range	30Hz - 150 Hz +/- 3dB (preset relating)
Impedance	4Ω
Maximum SPL	132 dB continuous - 138 dB peak

Coverage

Horizontal	Omni
Vertical	Omni

Crossover

Type	DSP controlled
Frequency	150 Hz maximum (preset dependent)

Transducers

Full-range	1 x 21" Neodymium speakers with 4" voice coil

Amplifiers

Type	1 modules class D - DSP controlled
Power	2x 2400 Watt[1] @4Ω
Protection	Dynamic limiter, over current, over temp, short circuits

Physical

Dimensions	55.5 x 55.5 x 77.7 cm (21.85" x 21.85" x 30.59")
Weight	49 Kg (108.03 lbs)

Notes for data
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. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.