

www.k-array.com



KA Line
KA40

K-array is the new voice that sings aloud, "outside the chorus", and whose performance is better than any other products. Born on-the-road, in the PA world, where you get no discount, you have to give your best as fast as you can, often with a "compressed" budget, K-Array systems have been designed to give precise answers to precise needs. K-Array systems are driven by new generation digital engines, with power/dimension/weight ratios that are ten times better than any other professional products; these systems can be remotely controlled and come with a lot of on-board software. K-array systems can shape their performance following your taste and needs. Inside K-array systems you will find something that only K-array can offer: the best in technology, proudly conceived, designed and produced in Italy. If they were cars, they would be Ferrari. Don't agree to pay for a simple brand, claim performance, and don't believe those who maintain that these products are only for few people, the only truth is that K-array systems are unique, but affordable and within everybody's reach!

HP Sound Equipment

KA Line

The KA professional rack amplifier line has been designed to give answers to all the needs of touring and installation applications in which a large amount of power is needed together with the maximum flexibility, over low sizes and weight. The sophisticated electronics on-board allow to reach outstanding output power levels with over-high efficiency. DSP on-board (except in model "N") can provide perfect signal processing for all K-array products, providing safe working conditions and a large choice of dedicated presets to solve the most parts of the needs of high-end applications. A dedicated remote control ensures a constant connection with all the units, allows the total management of the presets installed and the possibility of the download of new ones.

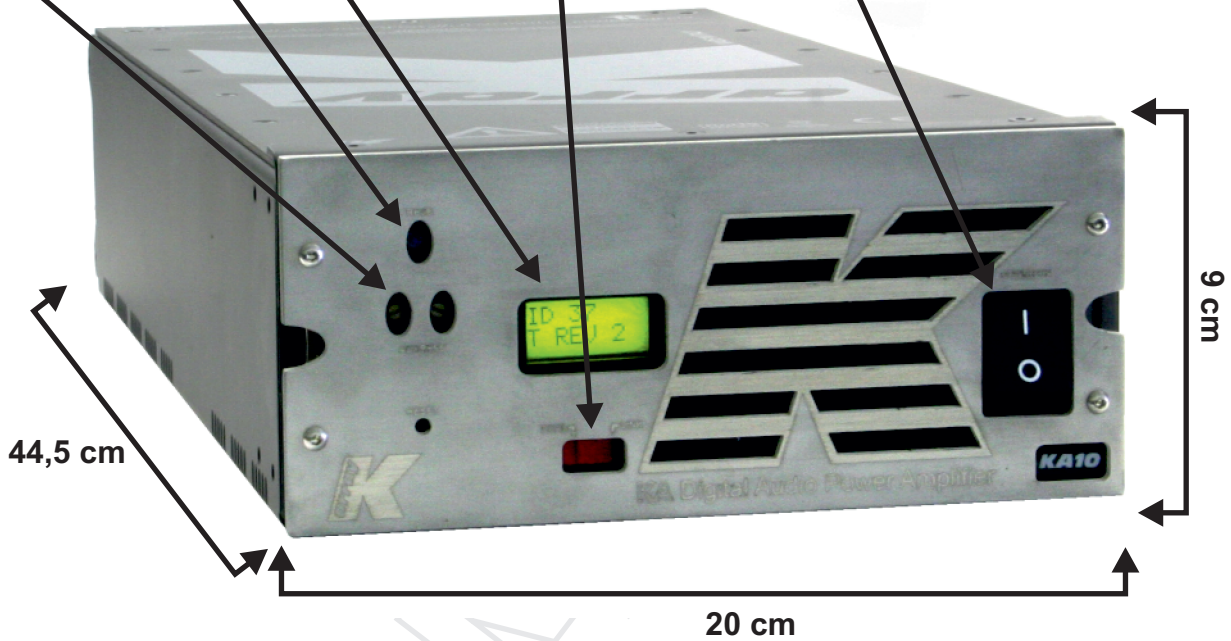
Preset selector
(push one to change, keep 10 sec to store)

Dual / Link switch
(Dual mode Stereo independent channels / Link CH1 & CH2 for Bridge Use*)

Display
(ID number - Preset load)

Power switch

Address selector
(rotary x10 - x1)



CH1 Speakon OUT
(1+ 1-)
CH2 Speakon OUT
(2+ 2-)

CH1 XLR balanced parallel connectors

CH2 XLR balanced parallel connectors

Powercon IN

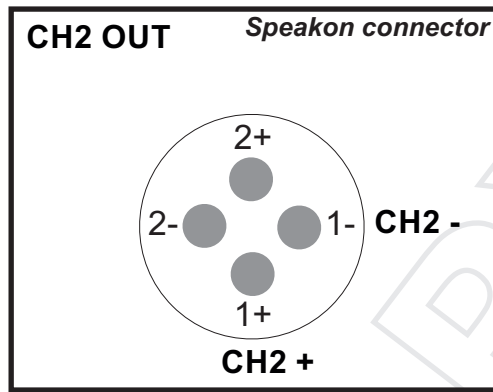
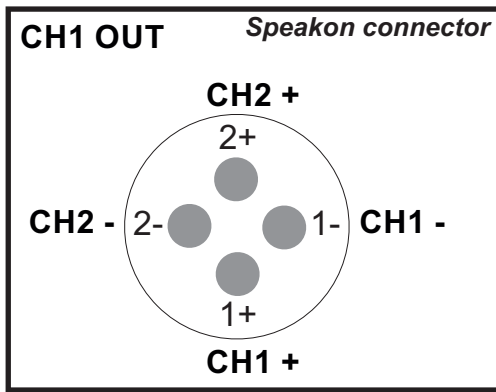
Powercon OUT

CH2 Speakon OUT
(1+ 1-)

RS485 Remote control
(Parallel)

Input level PAD
Ground lift switch

* The link mode is designed for Bridge applications, the output signal of CH1 & CH2 is out of phase!



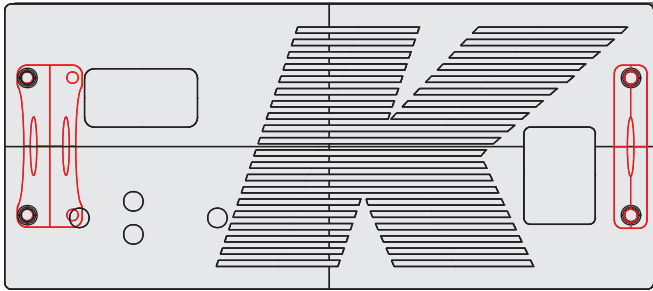
Technical Details	KA10 - KA10N	KA15 - KA15N	KA40 - KA40N
Output power			
Continuous 4Ω (0.5% THD)	390 W ¹	540 W ¹	1500 W ¹
EIAJ 4Ω (1% THD)	500 W ²	750 W ²	2000 W ²
Continuous 8Ω (0.5% THD)	240 W ¹	340 W ¹	1100 W ¹
EIAJ 8Ω (1% THD)	260 W ²	370 W ²	1200 W ²
Bridged - EIAJ 8Ω (1% THD)	1000 W ²	1500 W ²	4000 W ²
Audio Specs			
Slew Rate 8Ω	50V/uS	50V/uS	30V/uS
S/N Ratio	>105 dB/A	>105 dB/A	>108 dB/A
Distortion	<0.5 (THD, DIM, SMPTE)	<0.5 (THD, DIM, SMPTE)	<0.5 (THD, DIM, SMPTE)
Input impedance	20K bal. 10K unbal.	20K bal. 10K unbal.	20K bal. 10K unbal.
Gain	Variable	Variable	Variable
Output	Unbalanced to ground	Unbalanced to ground	Unbalanced to ground
Bandwidth	10 Hz - 30 KHz	10 Hz - 30 KHz	5 Hz - 25 KHz
Damping Factor 8Ω (100 Hz)	>500	>500	>300
Protections			
Thermal protection	Yes	Yes	Yes
Short circuit / over-load	Yes	Yes	Yes
Clip Limiter, Perm. signal li miter	Yes	Yes	Yes
Audio Input			
Connectors	male + female bal. XLR	male + female bal. XLR	male + female bal. XLR
Wiring	1=gnd 2=hot 3= cold	1=gnd 2=hot 3= cold	1=gnd 2=hot 3= cold
Remote control Input			
Connectors	2 x female 8 poles RJ45	2 x female 8 poles RJ45	2 x female 8 poles RJ45
Power Output			
Connectors	2 x SPEAKON 4 poles	2 x SPEAKON 4 poles	2 x SPEAKON 4 poles
Power Input			
Connectors	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT
AC power			
Operating range	EU 210 - 240 Vac 50Hz USA 100 - 120 Vac 60Hz	EU 210 - 240 Vac 50Hz USA 100 - 120 Vac 60Hz	85 - 270 Vac 50/60Hz universal with up to 400 Vac
Max continuous and burst current	EU 5A(>10s) - 10A (<1s) USA 10A(>10s) - 20A (<1s)	EU 6.3A(>10s) - 12A (<1s) USA 12A(>10s) - 24A (<1s)	universal with up to 400 Vac overvoltage tolerance 12A(>10s) - 24A (<1s)
Physical			
Measures	88(2U)x200(½Rack) x485mm	88(2U)x200(½Rack) x485mm	88(2U)x200(½Rack) x485mm
Weight	3.5 Kg	3.5 Kg	5 Kg

Notes for data

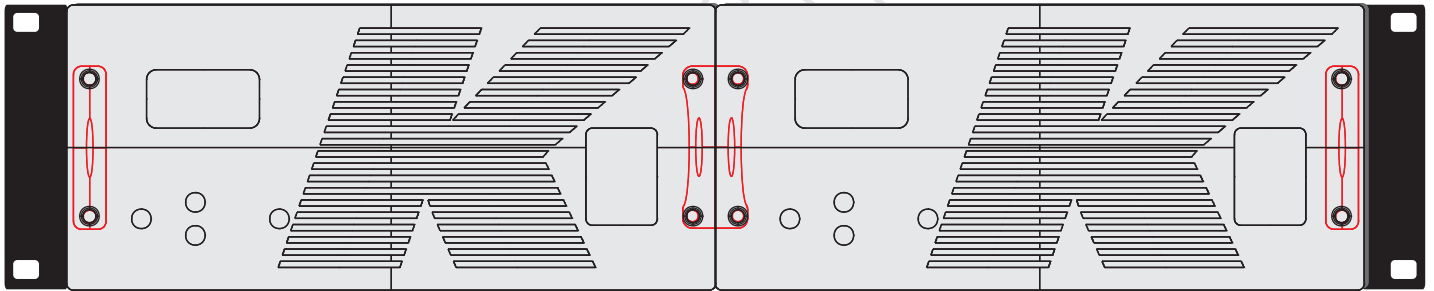
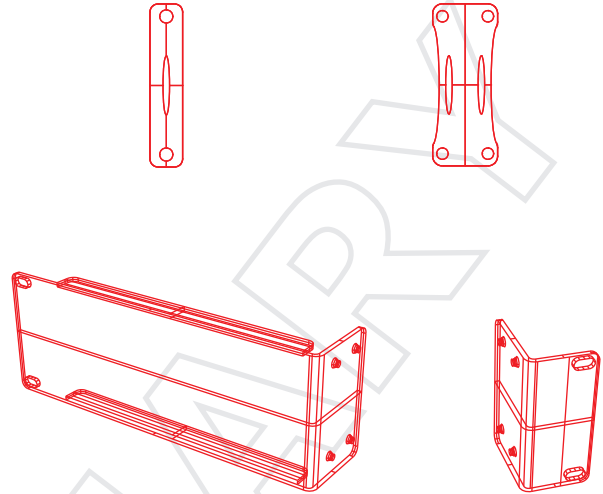
1. RMS Continuous Power, both channel driven on nominal load
2. RMS Power tested under the specifications of EIAJ standard, both channel driven on nominal load.

To change the configuration, just remove the front panel and move the spacers in the way that you need.

ACCESSORIES INCLUDED

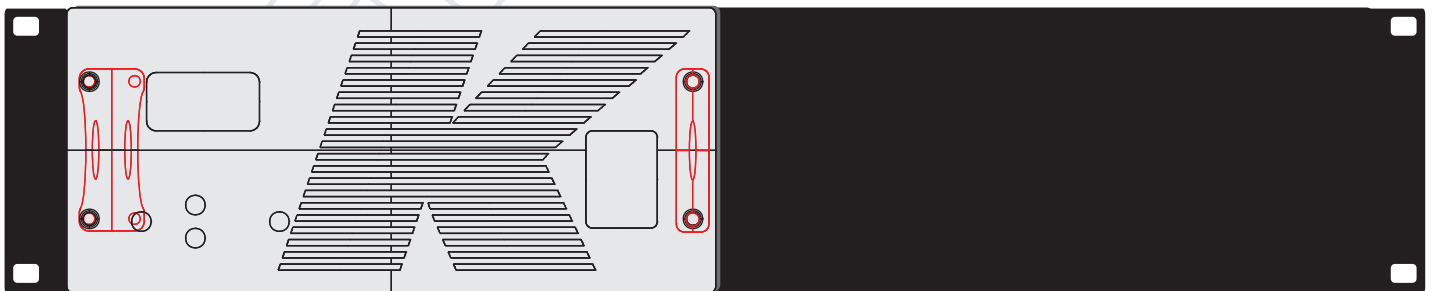


SINGLE



DOUBLE RACK*

*To fix the installation, lock with 2 screws on the back panels.



SINGLE RACK

K-array System - www.k-array.com
by HP Sound Equipment s.r.l.

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KA40

PRESETS
RELEASE .D

ID	NAME	SPK 1 (1+1-)	SPK 1 (2+2-)	SPK 2 (1+1-)	SPK 2 (2+2-)
0	rdKK52	KK52 (64ohm)	KK52 (64ohm)	KK52 (64ohm)	N.C.
1	rdKK102	KK102 (32ohm)	KK102 (32ohm)	KK102 (32ohm)	N.C.
2	rdKP52	KP52 (32ohm)	KP52 (32ohm)	KP52 (32ohm)	N.C.
3	rdKP102	KP102 (16ohm)	KP102 (16ohm)	KP102 (16ohm)	N.C.
4	rdKK2mt	Kobra 2mt (16ohm)	Kobra 2mt (16ohm)	Kobra 2mt (16ohm)	N.C.
5	rdKP2mt	Python 2mt (8ohm)	Python 2mt (8ohm)	Python 2mt (8ohm)	N.C.
6	KMT12P	KMT12P	KMT12P	KMT12P	N.C.
7	KMT18P	KMT18P	KMT18P	KMT18P	N.C.
8	KMT21P	KMT21P	KMT21P	KMT21P	N.C.
9	rdK52M12	KK52 (64ohm)	KMT12P	KMT12P	N.C.
10	rdK12M12	KK102 (32ohm)	KMT12P	KMT12P	N.C.
11	rdK22M18	Kobra 2mt (16ohm)	KMT18P	KMT18P	N.C.
12	rdK22M21	Kobra 2mt (16ohm)	KMT21P	KMT21P	N.C.
13	rdP22M18	Python 2mt (8ohm)	KMT18P	KMT18P	N.C.
14	rdP22M21	Python 2mt (8ohm)	KMT21P	KMT21P	N.C.
15	rdKV	KV50 (64ohm)	KV50 (64ohm)	KV50 (64ohm)	N.C.

The contents of this manual are furnished for informational purpose only. Hp Sound Equipment s.r.l. assumes no responsibility for any errors or inaccuracies that may appear in this manual.

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