

[www.k-array.com](http://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.

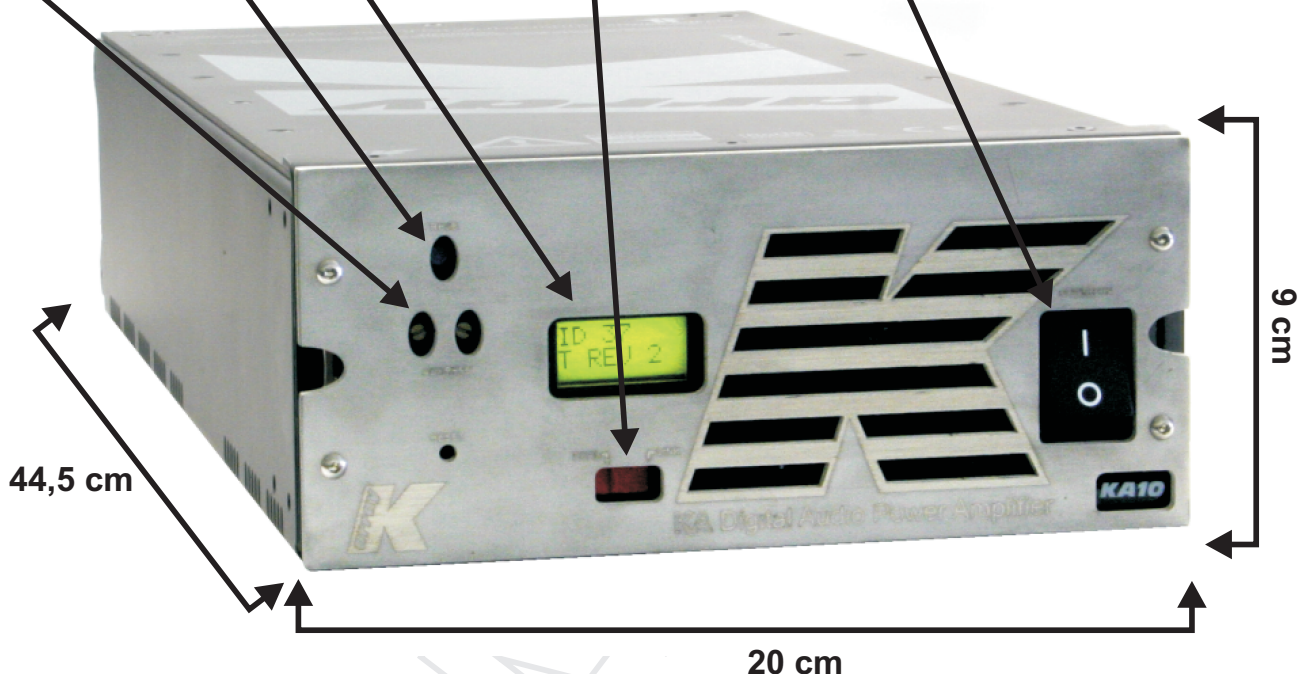
**Preset selector**  
(push one to change, keep 10 sec to store)

**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**

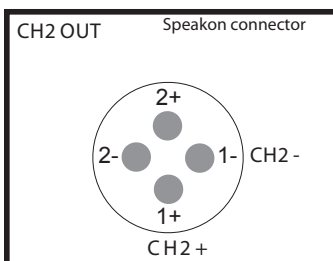
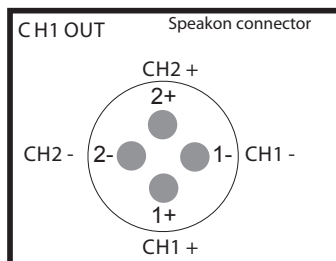
**Powercon OUT**

**CH2 Speakon OUT**  
(1+ 1-)

**RS485 Remote control**  
(Parallel)

**Input level PAD**  
**Ground lift switch**

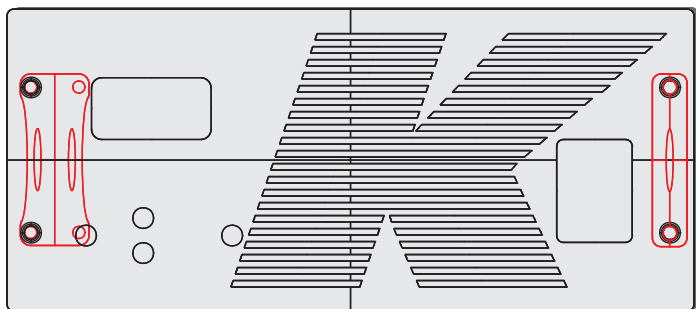
\* The link mode is designed for Bridge applications, the output signal of CH1 & CH2 is out of phase!



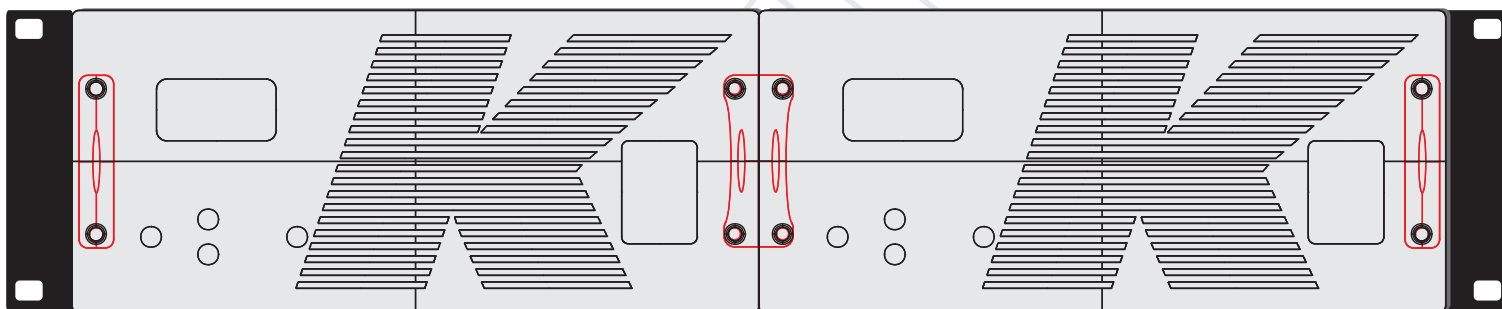
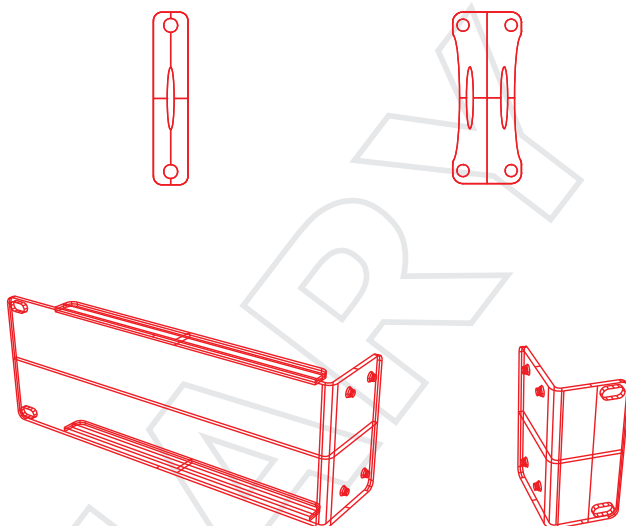
	<b>KA10</b>	<b>KA40</b>	<b>KA10-10</b>
<b>Output power</b>			
Max power 4Ω	2 x 500 w <sup>(EIAJ)</sup>	2 x 2000 w <sup>(EIAJ)</sup>	4 x 500 w <sup>(EIAJ)</sup>
Max power 8Ω	2 x 260 w <sup>(EIAJ)</sup>	2 x 1200 w <sup>(EIAJ)</sup>	4 x 260 w <sup>(EIAJ)</sup>
Max power - bridged 8Ω	1000 w <sup>(EIAJ)</sup>	4000 w <sup>(EIAJ)</sup>	
Connectors	2 x 4-pin Speakon	2 x 4-pin Speakon	2 x 4-pin Speakon
Speakon 1 wiring	pin 1+,1- = CH1 pin 2+, 2- = CH2	pin 1+,1- = CH1 pin 2+, 2- = CH2	pin 1+,1- = CH1 pin 2+, 2- = CH3
Speakon 2 wiring	pin 1+,1- = CH2 pin 2+,2- = N.C.	pin 1+,1- = CH2 pin 2+, 2- = N.C.	pin 1+,1- = CH2 pin 2+ 2- = CH4
<b>Audio specs</b>			
Slew Rate 8Ω	50V/μS	30V/μS	50V/μS
S/N Ratio	>105 dB/A	>108 dB/A	>105 dB/A
Distortion (THD, DIM, SMPTE)	<0.5%	<0.5%	<0.5%
Input impedance	20K bal. 10K unbal.	20K bal. 10K unbal.	20K bal. 10K unbal.
Gain	32 dB	38 dB	32 dB
Output	Unbalanced to ground	Unbalanced to ground	Unbalanced to ground
Bandwidth	10 Hz - 30 KHz	5 Hz - 25 KHz	10 Hz - 30 KHz
Damping Factor 8Ω (100Hz)	>500	>300	>500
<b>Protection</b>			
Thermal protection	Yes	Yes	Yes
Short circuit / over-load	Yes	Yes	Yes
Clip limit, Analog signal limit	Yes	Yes	Yes
<b>Audio Input</b>			
Connectors	2 x M + 2 x F bal. 3-pin XLR	2 x M + 2 x F bal. 3-pin XLR	2 x M + 2 x F bal. 3-pin XLR
Wiring	1=gnnd 2=hot 3 = cold	1=gnnd 2=hot 3 = cold	1=gnnd 2=hot 3 = cold
<b>Remote control Input</b>			
Connectors	2 x female 8-pin RJ45	2 x female 8-pin RJ45	2 x female 8-pin RJ45
<b>Remote control</b>			
Protocol	RS485 - V2 software	RS485 - V2 software	RS485 - V2 software
<b>Power Input</b>			
Connectors	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT
<b>AC power</b>			
Operating range	EU 210-240 Vac 50Hz USA 100-120 Vac 60Hz	85 - 270 Vac 50/60Hz Universal up to 400 Vac	EU 210-240 Vac 50Hz USA 100-120 Vac 60Hz
I. nom / P.nom (KA40)	2.6 A / 115 Vac - 1.6 A / 230 Vac	900 Vac	3.6 A / 115 Vac - 2.2 A 230 Vac
Minimum operation voltage	95 Vac - 195 Vac	70 Vac	95 Vac - 195 Vac
Maximum operation voltage	125 Vac - 205 Vac	400 Vac	125 Vac - 205 Vac
Max continuous and burst current	EU 5A(>10s) - 10A (<1s) USA 10A(>10s)-20A(<1s)	12A(>10s) - 24A(<1s)	EU 6.3A(>10s) - 12A (<1s) USA 12A(>10s) - 24A(<1s)
<b>Physical</b>			
Dimensions	20 (1/2 U rack) x 8.8 (2U rack) x 44.5 cm - (7.87"x 3.46"x 17.52")		
Weight	3.5 Kg (7.72 lbs)	6 Kg (13.23 lbs)	4.8 Kg (10.58 lbs)
<small>Notes for data</small> 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			

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

## ACCESSORIES INCLUDED

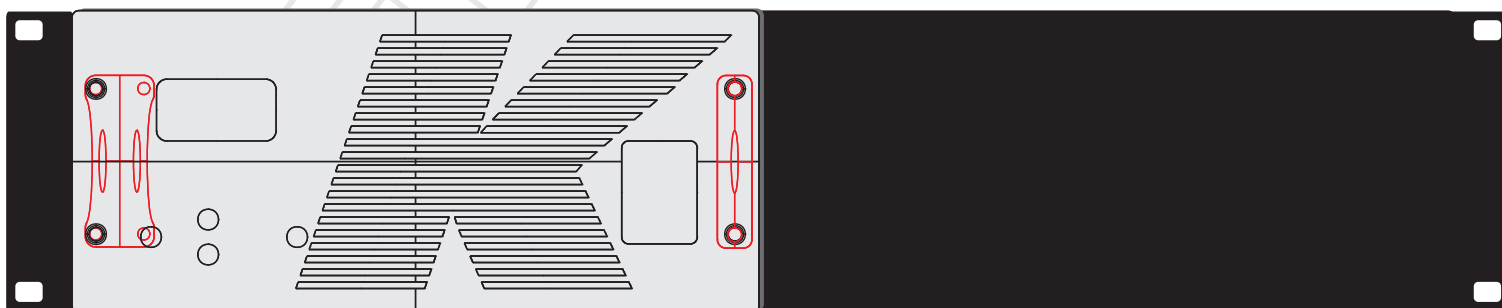


### SINGLE



### DOUBLE RACK\*

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



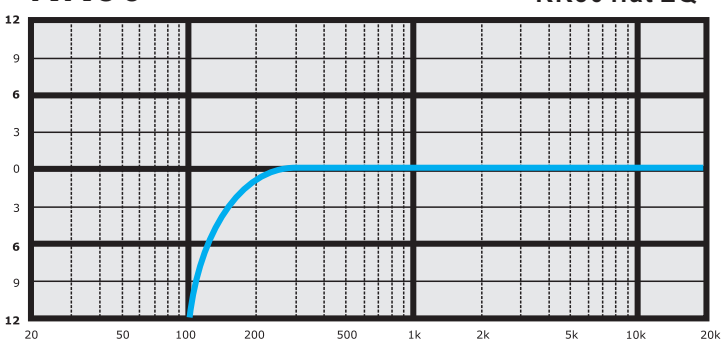
### SINGLE RACK

K-array System - [www.k-array.com](http://www.k-array.com)  
by HP Sound Equipment s.r.l.

Viale Roma 7/i 50037 San Piero a Sieve (Firenze) Italy - tel +39 055 8487222 fax +39 055 8487238 e-mail: [info@k-array.com](mailto:info@k-array.com)

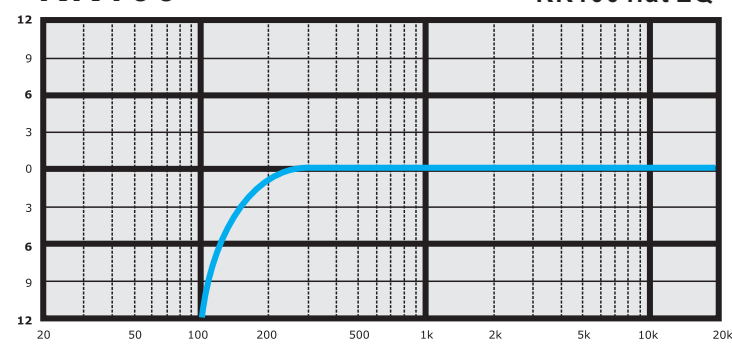
### KK50

### KK50 flat EQ



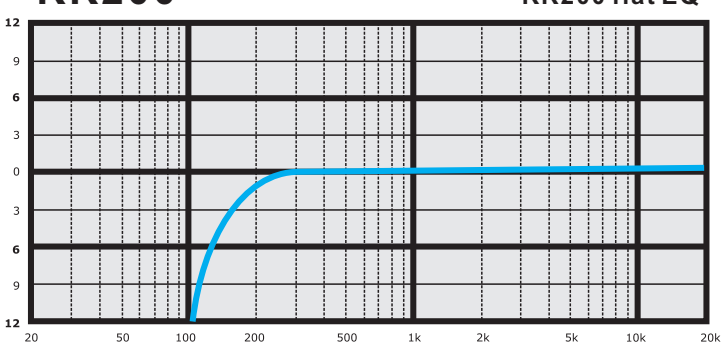
### KK100

### KK100 flat EQ



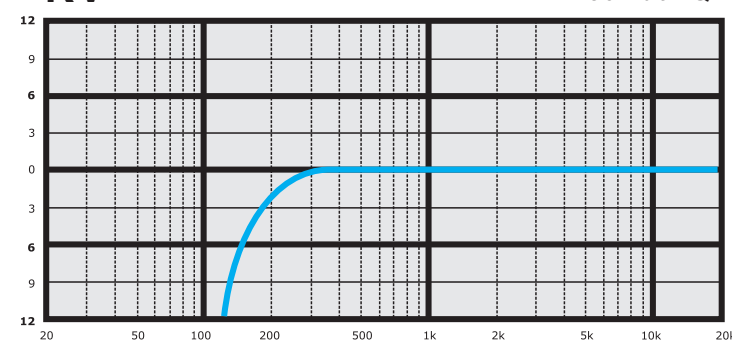
### KK200

### KK200 flat EQ



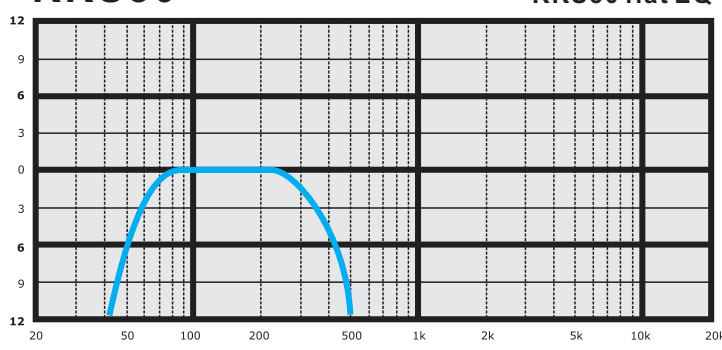
### KV

### KV50 flat EQ



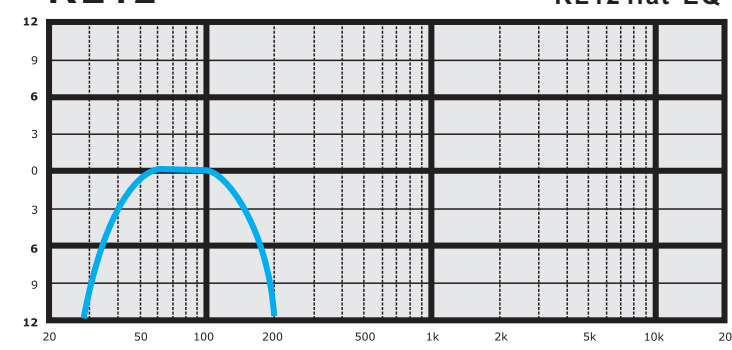
### KKS50

### KKS50 flat EQ



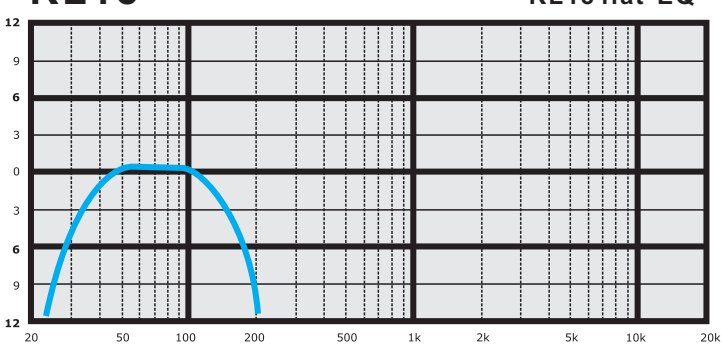
### KL12

### KL12 flat EQ



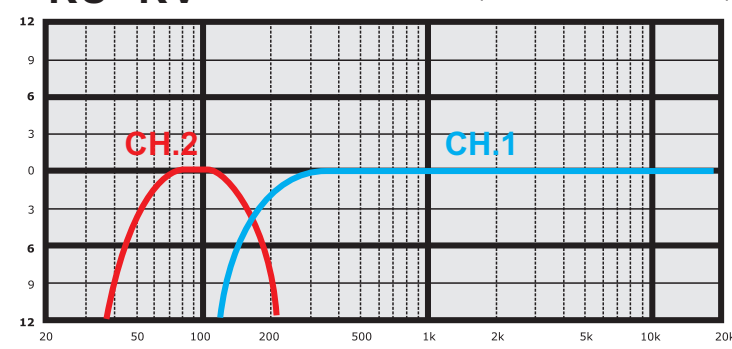
### KL18

### KL18 flat EQ



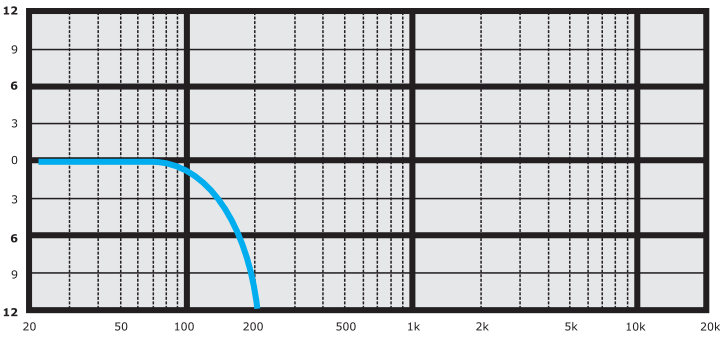
### KS+KV

### CH1..KKS50 flat EQ - CH2.KV50 flat EQ

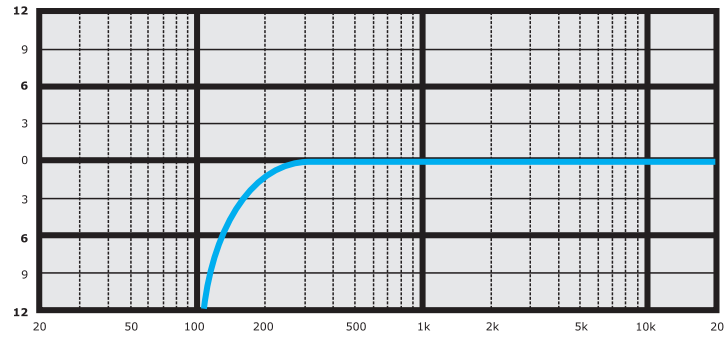




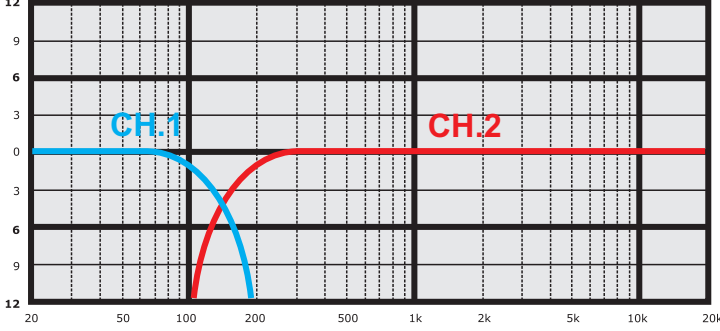
### sub 150

 Low pass 150Hz /24dB octave EQ

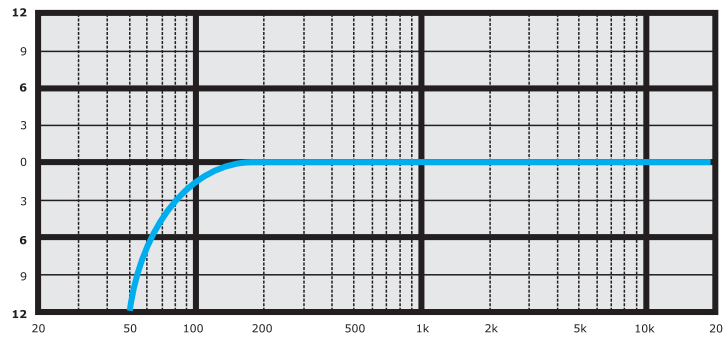
### MH 150

 High pass 150Hz /24dB octave

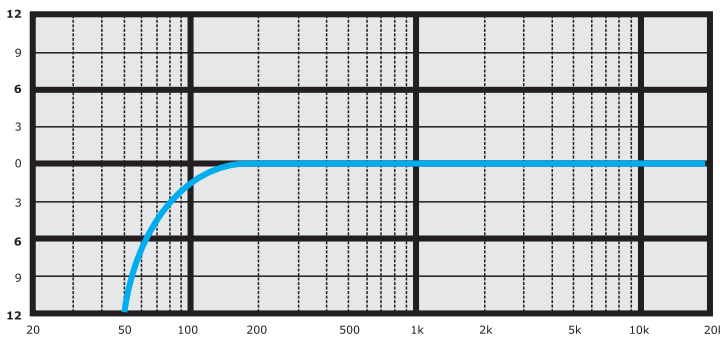
### S+MH 150

 CH1.Low pass 150Hz - CH2High pass 150Hz

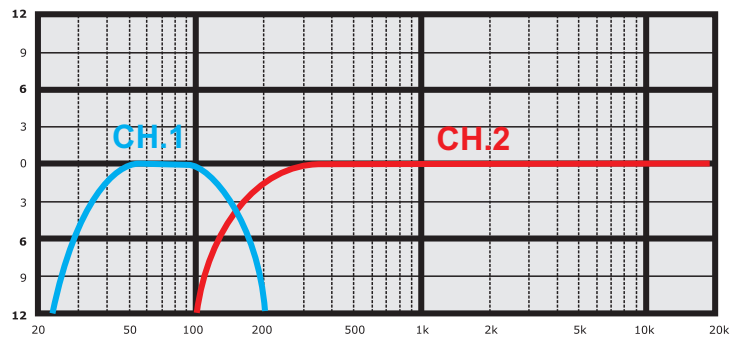
### KM81F

 KM8 single

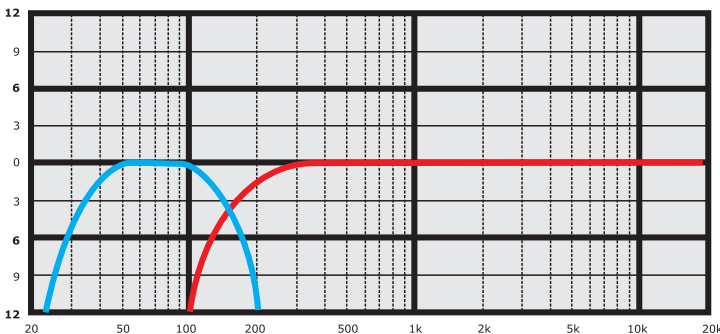
### KM813F

 KM8 3 and more

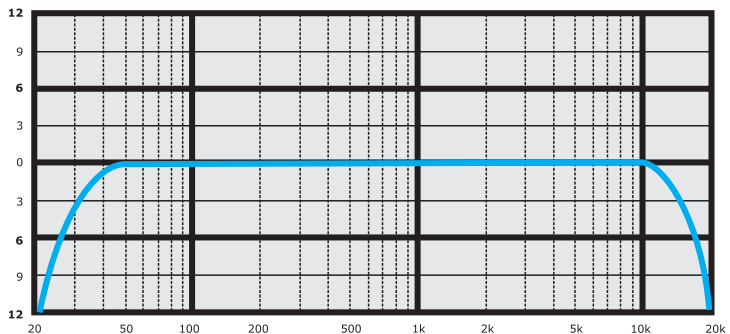
### L18+K2

 CH1.KL18 Flat EQ - CH2KK200 Flat EQ

### L12+K1

 CH1.KL12 Flat EQ - CH2KK100 Flat EQ

### FLAT

 Flat

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.

Hp Sound Equipment s.r.l. reserves the right to make modifications without prior notice.

**K-array System - [www.k-array.com](http://www.k-array.com)**

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