# KA7, KA7-7

A high technology Class D power amplifier line

### **DATASHEET**

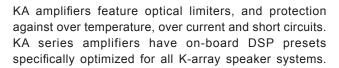
#### Features:

- Very light weight
- · Compact design, 2 rack units per 4 channels
- Optical limiters
- Electronically protected
- Over-high efficiency
- DSP on-board to drive all K-array products
- Remote control (KA10, KA10-10, KA40)
- Management software (KA10, KA10-10, KA40)
- Top quality components for outstanding performance Aluminum frame

## Applications:

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- · Exhibit audio for museum displays
- · Cinema and installed AV systems
- · Stage monitoring







The K-array KA line of power amplifiers are built into a 2U, half-rack, light weight aluminum chassis. Each model is comprised of two or four output channels providing up to eight channels in a standard 2U rack space when mounted together.

	KA7	KA7-7
	Output power	
Max power $4\Omega$	2 x 350 w <sup>(EIAJ)</sup>	4 x 350 w <sup>(EIAJ)</sup>
Max power 8Ω	2 x 190 w (EIAJ)	4 x 190 w (EIAJ)
Max power - bridged $4\Omega$	1000 w <sup>(EIAJ)</sup>	
Max power - bridged $8\Omega$	700 w <sup>(EIAJ)</sup>	
Connectors	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- = CH3
Speakon 2 wiring	pin 1+,1- = CH2 pin 2+, 2- = N.C.	pin 1+,1- = CH2 pin 2+, 2- = CH4
	Audio specs	
Slew rate 8Ω	30V/μS	30V/μS
S/N Ratio	>113 dB/A	>113 dB/A
Distorsion (THD, DIM, SMPTE)	<0.005%	<0.005%
Input impedance	20K bal. 10K unbal.	20K bal. 10K unbal.
Gain	32 dB	32 dB
Output	Unbalanced to ground	Unbalanced to ground
Bandwidth	3 Hz - 45 KHz	3 Hz - 45 KHz
Damping factor 8Ω (100 Hz)	>1000	>1000
	Protection	
Thermal protection	Yes	Yes
Short circuit / over-load	Yes	Yes
Clip limit, Analog signal limit	Yes	Yes
	Audio Input	
Connectors	2 x Male + 2 x Female 3-pin bal .XLR	2 x Male + 2 x Female 3-pin bal .XLR
Wiring	Pin1 = Ground / Pin2 = hot (+) / Pin3 = cold (-)	Pin1 = Ground / Pin2 = hot (+) / Pin3 = cold (-)
	Remote control Input	
Connectors	RJ45 / USB	RJ45 / USB
	Remote	control
Protocol	RS485 / USB	RS485 / USB
	Power Input	
Connectors	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT
	AC power	
Operating range	90 - 260 Vac 50-60Hz with PFC (auto range)	90 - 260 Vac 50-60Hz with PFC (auto range)
P. nom	140 VA	140 VA
Max input voltage	265 Vac	265 Vac
Power factory (1/2 max out/ $8\Omega$ )	0.97	0.97
Minimum operation voltage	70 Vac	70 Vac
	Physical	
Dimensions	20 (1/2 U rack) x 8.8 (2U rack) x 27 cm (7.87"x 3.46"x 10.63")	20 (1/2 U rack) x 8.8 (2U rack) x 27 cm (7.87"x 3.46"x 10.63")
Weight	2.6 Kg (5.73 lbs)	5.5 Kg (12.13 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 brochure	