

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.

KA amplifiers feature optical limiters, and protection against over temperature, over current and short circuits. KA series amplifiers have on-board DSP presets specifically optimized for all K-array speaker systems.

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	KA7	KA7-7
	Output power	
Max power 4Ω	2 x 350 w ^(EIAJ)	4 x 350 w ^(EIAJ)
Max power 8Ω	2 x 190 w ^(EIAJ)	4 x 190 w ^(EIAJ)
Max power - bridged 4Ω	1000 w ^(EIAJ)	
Max power - bridged 8Ω	700 w ^(EIAJ)	
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/ 8Ω)	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)
	<i>Notes for data</i> 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	