

KA7, KA7-7

A high technology Class D power amplifier line

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



DATASHEET



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 | |