

CKd™ Series Amplifiers

Specifications

| MODEL | CKd 1208 | CKd 608 | CKd 1204 | CKd 604 |
|--|---|--|---|---|
| Rated Power @ 4 Ohms 1KHz single channel driven | 1,400 watts per channel at <0.15% | 660 watts per channel at <0.05% | 1,400 watts per channel at <0.1% | 700 watts per channel at <0.05% |
| Rated Power @ 8 Ohms 1KHz single channel driven | 1,300 watts per channel at <0.1% | 660 watts per channel at <0.05% | 1,300 watts per channel at <0.15% | 680 watts per channel at <0.05% |
| Rated Power@70.7 volts 1KHz single channel driven | 1,250 watts per channel at <0.15% | 660 watts per channel at <0.05% | 1,250 watts per channel at <0.05% | 670 watts per channel at <0.05% |
| Rated Power@100 volts 1KHz single channel driven | 1,250 watts per channel at <0.1% | 660 watts per channel at <0.025% | 1,250 watts per channel at <0.05% | 670 watts per channel at <0.05% |
| Rated Power @ 4 Ohms all channels driven | 1,250 watts per channel at 1KHz* | 625 watts per channel at <0.05% | 1,250 watts per channel at <0.05% | 670 watts per channel at 1KHz |
| Rated Power @ 8 Ohms all channels driven | 1,250 watts per channel at 1KHz* | 625 watts per channel at 1KHz* | 1,250 watts per channel at 1KHz* | 670 watts per channel at 1KHz |
| Rated Power @ 70.7 volt all channels driven | 1,250 watts per channel at 1KHz* | 625 watts per channel at 1KHz* | 1,250 watts per channel at <0.05% | 625 watts per channel at 1KHz |
| Rated Power @ 100 volt all channels driven | 1,250 watts per channel at 1KHz* | 625 watts per channel at 1KHz* | 1,250 watts per channel at 1KHz* | 625 watts per channel at 1KHz |
| Minimum Load Impedance | 4 Ohms | 4 Ohms | 4 Ohms | 4 Ohms |
| Frequency Response @ 1W (8 Ohm load) | 20Hz – 22KHz, +0.8 dB to -0.5dB | 10Hz – 20KHz, 0 dB to +0.5dB | 10Hz – 20KHz, 0 dB to +0.5dB | 10Hz – 20KHz, 0 dB to +0.5dB |
| Damping Factor (8 Ohms) | >200:1 @ 20Hz – 1KHz | >150:1 @ 20Hz – 1KHz | >200:1 @ 20Hz – 1KHz | >200:1 @ 20Hz – 1KHz |
| Input CMMR | < -75 dB @ 1KHz | < -75 dB @ 1KHz | < -75 dB @ 1KHz | < -75 dB @ 1KHz |
| Voltage Gain Low Z | X 40 (32 dB) | X 40 (32 dB) | X 40 (32 dB) | X 40 (32 dB) |
| Voltage Gain 70V / 100V | X 50 (34 dB) | X 50 (34 dB) | X 50 (34 dB) | X 50 (34 dB) |
| High Pass Filter | 70Hz, 3rd order HPF | 70Hz, 3rd order HPF | 70Hz, 3rd order HPF | 70Hz, 3rd order HPF |
| Input Sensitivity Low Z | 1.9V at 1KHz 4 Ohm rated power 2.55 at 1KHz 8 Ohm rated power | 1.25V at 1KHz 4 Ohm rated power 1.77V at 1KHz 8 Ohm rated power | 1.77V at 1KHz 4 Ohm rated power 2.50 at 1KHz 8 Ohm rated power | 1.25V at 1KHz 4 Ohm rated power 1.77V at 1KHz 8 Ohm rated power |
| Input Sensitivity High Z: 70V / 100V | 1.4V at 1KHz 70V 4 Ohm rated 2.0V at 1KHz 100V 8 Ohm rated | 1.4V at 1KHz 70V 8 Ohm rated 2.0V at 1KHz 100V 16 Ohm rated | 1.4V at 1KHz 70V 4 Ohm rated 2.0V at 1KHz 100V 8 Ohm rated | 1.4V at 1KHz 70V 8 Ohm rated 2.0V at 1KHz 100V 16 Ohm rated |
| Input Impedance | 20K Ohms balanced, 10K Ohms unbalanced | 20K Ohms balanced, 10K Ohms unbalanced | 20K Ohms balanced, 10K Ohms unbalanced | 20K Ohms balanced, 10K Ohms unbalanced |
| Noise and Hum | > -95dB, "A" weighted reference to rated power at 8 Ohms | > -95dB, "A" weighted reference to rated power at 8 Ohms | > -95dB, "A" weighted reference to rated power at 8 Ohms | > -95dB, "A" weighted reference to rated power at 8 Ohms |
| Current Consumption All Channels: Idle | 200 watts / 400VA | 180 watts / 350VA, (162W 315VA @220V CN) | 126 watts / 260VA | 114 watts / 225VA |
| Current Consumption: at 1/8 power | At 4 Ohms / 8 Ohms respectively: 1.72KW 2.7KVA / 1.6KW 2.45VA | At 4 Ohms/8 Ohms 70V/16 Ohms 100V respectively: 990W 1.540KVA / 895W 1.408KVA / 842W 1.342KVA | At 4 Ohms / 8 Ohms respectively: 812W 1.35KVA / 765W 1.26KVA | At 4 Ohms/8 Ohms 70V/16 Ohms 100V respectively: 530W 920VA / 487W 852VA / 431W 774VA |
| Thermal Emission All Channels at Idle (Btu/hour) | 677 | 615 (553 @220V CN) | 430 | 389 |
| Thermal Emission All Channels at 1/8 power: (Btu/hour) | At 4 Ohms / 8 Ohms respectively: 1170 / 1060 | At 4 Ohms/8 Ohms 70V/16 Ohms 100V respectively: 977 / 935 / 911 | At 4 Ohms / 8 Ohms respectively: 638 / 480 | At 4 Ohms/8 Ohms 70V/16 Ohms 100V respectively: 665 / 519 / 404 |
| Cooling | Temperature dependent variable speed 80mm DC fan | | | |
| CONTROLS: Front Panel | On/Standby/Remote AC Switch, two 21A circuit breakers, one per 4 channels | On/Standby/Remote AC Switch, one 21A circuit breaker for all 8 channels | On/Standby/Remote AC Switch, one 21A circuit breaker for all 4 channels | On/Standby/Remote AC Switch, one 13A circuit breaker for all 4 channels |
| CONTROLS: Rear Panel | 8 channel input signal attenuators, 8 channel 100V/70V selection switches, two 3-position connectors for STO in and STO out, 8 Fault Relay Outputs (NO/NC), 8 Control Voltage inputs, NexSys module bay | | 4 channel input signal attenuators, 4 channel 100V/70V selection switches, two 3-position connectors for STO in and STO out, 4 Fault Relay Outputs (NO/NC), 4 Control Voltage inputs, NexSys module bay | |
| INDICATOR LEDs: Front and Rear Panels | 8 Mute, 8 Fault, 8 ACL/IGM, 8 Signal, 8 Active, 2 PS, 1 AC mains | 8 Mute, 8 Fault, 8 ACL/IGM, 8 Signal, 8 Active, 1 PS, 1 AC mains | 4 Mute, 4 Fault, 4 ACL/IGM, 4 Signal, 4 Active, 1 PS, 1 AC mains | |
| Protection per channel | Over temperature, DC, Subsonic, Incorrect Loads, Short-Circuit, Overcurrent, Thermal | | | |
| Unit Protection | Over/Under AC Voltage, Fan operation, DC Voltage Fault | | | |
| Connectors: for Input | Eight 3-position Euro-style detachable terminal blocks | | Four 3-position Euro-style detachable terminal blocks | |
| Connectors: for Output | Four 4-position barrier strip terminal blocks with screws | | Two 4-position barrier strip terminal blocks with screws | |
| Construction | 14-gauge aluminum reinforced chassis with 12-gauge steel rack ears | | | |
| DIMENSIONS: Height | 3.48" (8.84cm), 2 EIA rack spaces | | | |
| Width front | 19" (48.26cm) | | | |
| Width rear | 17.25" (43.82cm) | | | |
| Overall depth | 20.30" (51.56cm) | | | |
| Mounting depth | 19.70" (50.04 cm) behind front rack ears | | | |
| Net Weight (does not include power cord) | 29.6 lbs (13.43 kg) | 23.4 lbs (10.60 kg) | 23.2 lbs (10.52 kg) | 21.2 lbs (9.62 kg) |
| Gross Weight | 34.6 lbs (15.7 kg) | 29.4 lbs (13.3 kg) | 29.8 lbs (13.52 kg) | 27.8 lbs (12.6 kg) |
| Power Requirements | 120 VAC 60 Hz or 230 VAC 50Hz | | | |

*repetitive 1KHz cycles 50ms onset of clip

Architect's & Engineer's Specifications - Crest Audio CKd1208, 1204, 608, 604 Power Amplifiers

The multi-channel power amplifiers shall be available in hardware configurations of eight and four analog input channels and powered output channels. Each output channel shall be selectable as 8 Ohms or 4 Ohms low impedance, 70V or 100V constant voltage outputs. Input signals shall be connected via eight 3-position Euro style detachable terminal blocks with balanced or unbalanced inputs. Amplified outputs shall be connected via 4-position barrier strip terminal blocks with screw terminals. Each model shall support connections to CobraNet or Dante networked audio transport streams of 4 or 8 channels. Audio, control & monitoring signals shall be conducted via Ethernet connections. The power amplifier shall be highly efficient Class D yielding 1,250 W or 650 W per channel at 1KHz with all channels driven into 4 Ohms or 8 Ohms or 70V/100V. Frequency response at 1W & 8 Ohm shall be 10Hz to 20KHz. Control voltage inputs shall be provided for each channel to allow for external gain control. Fault outputs on each channel shall be provided to allow monitoring of the operation of individual channels. Instantaneous Gain Modulation shall provide overload protection for each channel. The power amplifiers shall be the Crest Audio CKd1208, CKd1204, CKd608 and CKd604 power amplifiers.



Features and specifications subject to change without notice.

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