

## CM™ 2208 Professional Installation Amplifier



CM™ Series power amplifiers feature a unique amplification architecture providing a host of user benefits including simplified operation and use in multiple applications, as well as unsurpassed sonic quality and flexible power.

CM Series products comprise four-channel (CM 2204-AB/DV) and eightchannel (CM 2208-AB/DV) units (channels are independent). A host of applications benefit from the use of multiple channel amplification, including bars, clubs and restaurants; video conferencing systems; hotels and motels; industrial installations; and retail stores, among others. One amplifier for multiple applications provides a cost-effective solution, expansion opportunities and unparalleled flexibility.

### Construction and Quality Control

The CM Series is built exclusively in Crest's own USA manufacturing facility, with internal components selected for premium quality and proven durability. Each modular subassembly is pre-tested, and the assembled CM amplifier receives a rigorous "hot room" burn-in before thorough final checkout on precision test equipment.

### CM 2208 Features

- 4- or 8-channel power amp systems—220 Watts RMS per channel (70 Volts)
- Low-Z (4 or 8 Ohms) or 70 Volt output
- Input connectors: balanced three-pin Phoenix
- Output connectors: two-pin Phoenix
- Full range of protection circuits including ACL, IGM and AUTORAMP
- 16-gauge steel chassis
- 2U rack space height
- Protection Circuits / Safety including: ACL™, IGM™, and Autoramp™
- Front-to-side cooling
- Front-panel LED indicators per channel: signal, clip, and protect
- Input and output mating connectors are included

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Rated power bridge mode 8 Ohms:	320 Watts
Rated power bridge mode 140V:	460 Watts
Rated power (1 x 4 Ohms):	160 Watts
Rated power (1 x 8 Ohms):	240 Watts
Rated power 70.7V (24 Ohms):	230 Watts
Rated power (8 x 4 Ohms):	150 Watts
Rated power (8 x 8 Ohms):	210 Watts
Rated power (8 x 70.7V):	170 Watts
Minimum load impedance:	4 Ohms
Frequency response (HPF off):	5 Hz - 20 kHz; -1 dB at 1 Watt (8 Ohm load)
T.H.D.:	<0.02% @ rated power, 1kHz (70.7V)
Input CMRR:	>-60 dB @ 1 kHz
Crosstalk:	>-60 dB @ 1 kHz at rated power @ 8 Ohms
Hum and noise:	>-97 dB, below rated output, 22Hz - 22kHz
Damping factor (8 Ohms):	>200:1 @ 20 Hz - 1 kHz
Input sensitivity:	.775V (0 dBu setting)
Voltage gain:	x40 or 0 dBu (x90)
Input impedance:	20 k Ohms balanced, 10 k Ohms unbalanced
Current Draw @ 1/8 power:	4.0 Amps
Current Draw @ 1/3 power:	8.0 Amps
Current draw @ idle:	<2 Amp
Thermal emission @ 1/8 power:	724 BTU/hr
Thermal emission @ 1/3 power:	947 BTU/hr
Class:	D
Country of manufacture:	United States

Cooling: Variable speed, front panel mounted, front-to-side airflow

Controls: 8 channel input signal attenuators, 8 channel HPF select switches, 8 channel gain select switches

Indicators: 8 clip, 8 signal, 8 protect, 1 power

Protection: Over-temperature, DC, turn on/off transients, subsonic, short-circuit, over-current

Connectors Input: Eight 3-position Euro-style detachable terminal blocks

Connectors output: Eight 2-position Euro-style detachable terminal blocks

Construction: 16-gauge steel-reinforced with 12-gauge rack ears

Dimensions: 8.84 cm x 48.26 cm x 43.31 cm (3.5" x 19" x 17.05)

Net weight: 16.5 kg. (36.5 lbs.), Gross weight: 17.2 kg. (38 lbs.)

Warranty Five years parts and labor

Test conditions: 120 VAC 60 Hz (AB) line input voltage maintained

Test conditions: 230 VAC 50 Hz (DV) line input voltage maintained

Power requirements: 120 VAC 60Hz (AB), 230 VAC 50Hz (DV)

Crest Audio reserves the right to make improvements in manufacturing or design which may affect specifications. Crest Audio Inc.



Logo referenced in Directive 2002/96/EC Annex IV  
(OJ(L)37/38, 13.02.03 and defined in EN 50419: 2005  
The bar is the symbol for marking of new waste and  
is applied only to equipment manufactured after  
13 August 2005



Commercial Audio

Features and specifications subject to change without notice.

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