

Crest Audio Industrial Amplifiers



Complex commercial audio installations often require hundreds of loudspeaker zones with a variety of loudspeaker loads. Crest Audio industrial amplifiers provide efficient, cost-effective solutions for a wide variety of multi-zone installations with strong, reliable workhorse design and construction.

CM™ Series

The CM Series breaks new ground by providing Crest Audio sonic performance in powerful, multi-channel configurations. The perfect choice for multi-zone systems, the CM Series provides up to 220 watts in four- and eight-channel 2RU packages. Support for multiple loads is provided with configurable channels to allow termination of direct-coupled or constant-voltage loudspeaker loads. Front-panel signal monitoring, rear-panel terminations, rear-panel attenuators and loudspeaker protection circuitry ensure hassle-free operation for a wide variety of applications.

- **Multi-load architecture allows low impedance or 70V operation at the same power levels without select switch (100V or 50V output operation with CMX accessory)**
- **Low mains current draw**
- **Cost effective for many multi-channel applications**
- **Flexible configuration**
- **Excellent sound quality**
- **Easy setup**
- **TourClass® protection circuits**

PA-150™

The Crest Audio PA-150 is a time-tested, efficient and versatile power amplifier. With 75 watts in a two-channel, 1RU package, the PA-150 is a great addition to many systems. With support for direct-coupled and constant-voltage loads*, the PA-150 is often used as a supplement for larger installations

where additional zones are required. In smaller applications, the PA-150's small size and integral convection cooling make it the perfect choice when high-quality audio is required and space is at a premium.

***Optional accessory required for 100-volt constant-voltage operation.**

- **Load selector switch**
- **75 watts RMS/channel (4, 8 or 16 ohms)**
- **Bridged mode operation (150 watts, 8 ohms)**
- **Electronically balanced inputs**
- **Single rack space**
- **Convection cooled**
- **TourClass® protection circuits**

Crest Audio Industrial Amplifiers

CM™ Series amps are at home wherever industrial-strength power is required, from paging systems in venues like airports and schools to house systems in bars, clubs, restaurants, video conferencing systems, hotels, motels, retail stores and more.

CM™ SERIES CM 2204/CM 2208 POWER AMPLIFIERS

	CM 2204	CM 2208
Output Power	150 W x 4	150 W x 8
	220 W x 4	220 W x 8
	220 W x 4	220 W x 8
Class	D	D
Unpacked Weight	34 lbs. (14.83 kg)	36.5 lbs. (16.65 kg)
Rack Space	2	2



PA™ 150 DUAL-CHANNEL POWER AMPLIFIER

	PA 150
Output Power	75 W x 2
Class	A/B
Unpacked Weight	16.5 lbs. (7.5 kg)
Rack Space	1



CM™ 2204 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 2204 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

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

PA™ 150 Professional Amplifier



The PA 150 is a rugged, medium-power amplifier with features that make it stand alone in the industry. It's a rack-mountable unit which occupies only one rack space, and yet packs a 75 W RMS per channel punch into 4, 8, or 16 Ohms. It's selectable; a feature seldom found on the typical solid state amp. In bridge mode, this unit delivers 150 W RMS into 8, 16, and 32 Ohms. You might ask why 32 Ohms; that's the load impedance for a 150 Watt, 70 Volt distribution system. There's no fan in this unit to make noise. Adequate cooling is provided by two massive heat sinks. Each channel is protected from excessive operating temperatures with a thermal/fault system that is automatic, and only activates under extreme conditions.

Construction and Quality Control

The PA 150 has an exclusive SPS compression system that senses conditions which might overload the amplifier and activates compression circuitry when clipping is imminent. This technique utilizes every precious Watt available to power transformer with three different voltage taps. The rear panel three-position selector switch then gives this amp the impedance selection capability by changing the internal "rail" operating voltages. Toroidal power transformers offer very high efficient operation (cool), have very low magnetic fields (hum), and are relatively small in size (weight).

The PA 150 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 PA 150 amplifier receives a rigorous "hot room" burn-in before thorough final checkout on precision test equipment.

PA 150 Features

- 19" rack-mountable
- one rack space
- 75 W RMS per channel
- 150 W RMS bridge mode
- selectable 4, 8, or 16 Ohms
- SPS™ compression on each channel
- electronically balanced inputs
- convection cooled
- heavy-duty rocker power switch
- LED power indicator
- SPS activation LED on each channel
- barrier strip inputs
- barrier strip outputs
- detented 1 dB level controls
- stereo/bridge mode switch
- impedance selector