AudioControl Gallium Nitride (GaN)



AudioControl has continued their nearly 5-decade long legacy of best-in-class solutions by introducing a groundbreaking audio amplifier platform leveraging GaN (Gallium Nitride) semiconductors from GaN Systems. AudioControl engineers have created a circuit that establishes a new bar for power and sound quality, now available in the CM Series 4-channel, 3-channel, and 2-channel 70-volt Dual-Mode amplifiers.

“I am so excited about the GaN amplifiers we have developed and the opportunities that CM Series amps represent for A/V integrators,” explained AudioControl President Alex Camara. “Our new Dual-Mode design effortlessly drives 70-volt speaker systems and standard 4/8-ohm speakers simultaneously, achieving bass clarity and definition far beyond the capability of traditional 70-volt solutions. CM Series Dual-Mode amplifiers also incorporate AudioControl’s award-winning DSP engine, enabling integrators to fine-tune each zone for optimized sound quality.”

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The AudioControl engineering team was tasked with elevating the performance standard for the 70-volt Dual-Mode audio amplifier category. 70-volt amplifiers are useful for driving many loudspeakers but have always suffered from performance limitations, often lacking clarity and reduced bass extension. Now, in burgeoning resimercial markets such as bars, restaurants, retail outlets, and corporate offices/boardrooms as well as large residential/outdoor entertainment projects, the sound quality of 70-volt amplifiers had to be elevated to satisfy discerning clients.

AudioControl CM Series amplifiers have set a new standard for power and sound quality - but how was this achieved? GaN (Gallium Nitride) is a semiconductor material that was initially designed for the challenging demands of avionics, space, satellite, and 5G wireless applications. By using GaN Systems' power semiconductors as the foundation for a new amplifier platform, AudioControl engineers were able to achieve high-output power, unparalleled efficiency, reduced distortion and ultra-low signal-to-noise resulting in outstanding sonic rendering from a highly efficient circuit that fits elegantly inside a sleek form factor.

"The AudioControl GaN amplifier design is a great example of combining system engineering innovation with the newest offerings in power semiconductors," said Jim Witham, CEO of GaN Systems. "Customers across the market spectrum are taking the lead in their industry by leveraging the many performance advantages of GaN."

AudioControl has a 45-plus year history of creating award-winning products for integrators and backing them up with superior customer service and a 5-year warranty. Engineered and manufactured in Seattle, WA, the GaN audio amplifier platform and CM Series 70-volt Dual-Mode amplifiers are further examples of a best-in-class, innovative product design from AudioControl.

GaN-powered AudioControl CM Series amplifiers are available now.

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