

## Highlights:

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- Lightweight class-D amplifier
- High efficiency
- 16 x power amplifier outputs
- Stereo & bridged mode
- Advanced protection circuit

## Product information:

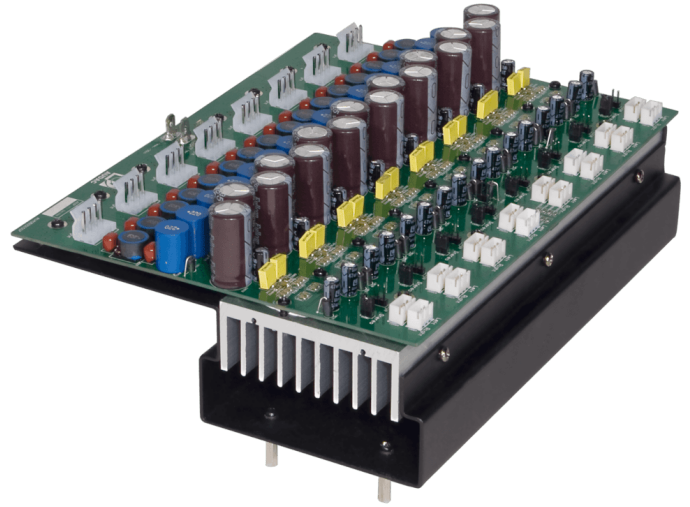
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The POW2 is an optional power amplifier kit which can be installed inside the R2 and M2 Multi-Zone Digital Audio Matrix housing. In its standard configuration, the R2 or M2 is equipped with 8 line level output channels on which the appropriate amplifiers can be connected, depending on the required power for the specific application. For certain applications where no large power capacities are required, the optional power amplifier kit can be installed, resulting in a multifunctional matrix and power amplifier merged into one single housing. The POW2 consists of a 16 channel (8 Stereo channel) Class-D amplifier, delivering a power of 60 Watt to every channel at 4 Ohm. In bridge mode, an output power of 8 x 120 Watt can be obtained at 8 Ohm. It features an advanced protection circuit which protects against DC malfunctioning, short circuit, overheating and overload while a large heatsink and speed controlled ventilation fan ensure a proper operation temperature is continuously maintained. The POW2 power amplifier kit includes the power amplifier module, a switching power supply and all necessary connection and installation accessories to properly install the kit inside the R2 or M2's housing. Note: The POW2 replaces the older R2POW model, which offered comparable functionality and performance.

## Applications:

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- Hotels
- Corporate
- Residential
- Houses of worship
- Clubs



## System specifications:

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Load impedance	Stereo	4 $\Omega$
	Bridge	8 $\Omega$
Inputs	Connector	Internal linked
Outputs	Connector	4-pin Euro Terminal Block (5.08 mm / On Matrix Chassis)
Frequency	Response ( $\pm$ 3 dB)	20 Hz - 20 kHz
Signal / Noise		> 100 dB
THD+N (@ 1 kHz)		< 0.1% (1/2 Rated Power)
Technology		Class-D
Cooling		Temperature controlled fan
Protection		DC Short circuit
		Over heating
		Over load
Operating temperature		0° ~ 40° @ 95% Humidity
Power	Supply	Switching mode
RMS/AES power handling	@ 4 $\Omega$ Stereo	16 x 60 W
	@ 8 $\Omega$ Bridge	8 x 120 W
	@ 8 $\Omega$ Stereo	16 x 30 W

## Product Features:

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Weight	3.900 kg
Mounting	Integrated in R2 or M2 housing

## Architects' and Engineers' Specifications:

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The optional module shall be a power amplifier kit, allowing integration into a multi-zone digital audio matrix or multimedia digital audio mixer. The amplifier kit shall allow conversion of the standard provided line level outputs to a powered system with an output power of 16 x 60 Watt or 8 x 120 Watt in bridged configuration. Each channel shall have integrated circuitry to protect against short-circuits or mismatched loads and over-heating. The operating temperature shall be continuously monitored and a large heatsink and speed-controlled fan will keep it within the operating range while minimizing the acoustic noise. The input signal shall be internally linked with the DSP board from the controlling device, while the output connections shall be implemented on the main unit using 4-pin terminal block connections. The optional power amplifier module shall come as an installation kit, allowing installation inside a matrix system / mixer chassis, and shall include a power amplifier module, switching mode power supply and all required accessories for integration.