



POW2

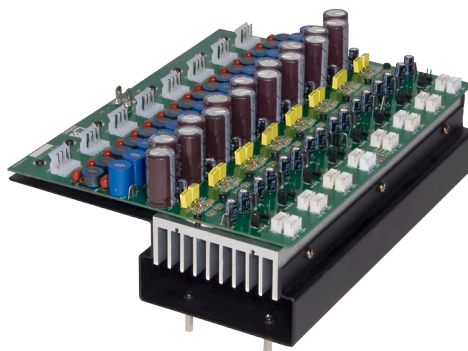
R2 & M2 Power amplifier kit

► Features

- Class-D technology
- High efficiency
- 16 Channel power amplifier
- Bridge mode
- 16 x 60 Watt RMS (Stereo mode)
- 8 x 120 Watt RMS (Bridge mode)
- Advanced protection circuit
- Integrated installation (R2 & M2)

► Applications

- Restaurants, Clubs, Bars
- Theaters, Hotels
- Conference facilities, Houses of worship
- Professional offices, Public buildings
- Private houses, Libraries
- Fire departments, ...



The POW2 is a sixteen channel power amplifier kit which can be optionally installed inside the R2 multi-zone digital audio matrix and M2 multimedia digital audio mixers, which in their standard configuration include 8 stereo line level audio output channels, where to the appropriate amplifiers for your application can be connected.

When installed the POW2 power amplifier kit, they can be converted to powered systems, delivering amplified audio outputs in the same enclosure. This is suitable in installations with limited power and compact footprint requirements.

The POW2 incorporates a 16 Channel (8 stereo channel) Class-D power amplifier, with a power handling of 60 Watt. The configuration can be bridged, offering an output power of 8 x 120 Watt.

The inputs are internally linked from the DSP, while the output connections are made on the rear panel of the matrix system / mixer using 4-pin terminal block connections.

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 comes delivered as an installation kit, including a power amplifier module, switching power supply and all required accessories for integration into the chassis. Installation shall be performed by qualified technicians.

► Specifications

SYSTEM SPECIFICATIONS		
RMS power @ 4 Ohm Stereo	16 x 60 Watt	
RMS power @ 8 Ohm Stereo	16 x 30 Watt	
RMS power @ 8 Ohm Bridge	8 x 120 Watt	
Load impedance	4 Ohm Stereo	
	8 Ohm Bridge	
Frequency response	20 Hz - 20 kHz	
Signal to noise ratio	> 100 dB	
T.H.D at 1 kHz	Less than 0.1% (1/2 rated power)	
Technology	Class-D	
Power supply	Switching mode	
Cooling	Temperature controlled fan	
Protection	DC short circuit	
	Overheat	
	Over load	
Operating temperature	0° ~ 40° C at 95% humidity	
PRODUCT FEATURES		
Weight net	3.9 Kg	
Connectors	Input	Internal linked
	Output	4-pin Euro Terminal Block (5.08 mm / On Matrix Chassis)
Mounting	Integrated in R2 or M2 housing	
SHIPPING & ORDERING		
Packaging	Cardboard box	
Shipping weight and volume	4.9 Kg - 0.01 Cbm	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.		

► Architects' and Engineers' Specifications

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.