



# POW2

Power Amplifier kit for R2 & M2

## ► 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 is an optional device to be installed inside the R2 Multi-Zone and M2 Multi-Media Digital Matrix systems.

In their standard configuration, these matrix systems are equipped with 8 line level output channels where to the appropriate amplifiers for your application can be connected.

In combination with the POW2 Power amplifier kit, they can be turned into a powered matrix system, delivering an amplified output signal in the same single housing. This can be very useful for applications where no large power capacities are required and the available rackspace is limited.

The POW2 consists of a 16 Channel (8 Stereo Channel) Class-D amplifier, delivering a power of 60 Watt to every channel. In bridge mode an output power of 8 x 120 Watt can be obtained.

The input signal is internal linked from the DSP output and the output connections are provided on the rear panel of the matrix system and are performed by using 4-pin Euro-Terminal block connectors allowing connections for separate or bridged output channels.

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 Matrix's housing.

## ► 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	Carton 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 continually improve our products	