



# SMQ500

WaveDynamics™ Quad Channel Power Amplifier

## ► Features

- 4 x 500 Watt RMS output power
- Lightweight Class-D Amplifier
- Advanced DSP & Loudspeaker management
- Intuitive graphical interface on 2.5" LCD Display
- Pre-Loadable loudspeaker & set configurations
- Unmatched technology and affordability
- Flexible input and output configuration
- XLR & Terminal block source compatibility
- RS-232 control and USB loadable configurations

## ► Applications

- Clubs & pubs
- Restaurants & bars
- Warehouses & retail stores
- Public & office buildings
- Mobile applications
- ...



The SMA & SMQ amplifiers are defining a new standard in affordable amplification for both fixed and mobile audio installations. Their different channel configurations and availability in various output powers are providing an enormous flexibility for numerous applications.

The SMQ500 is the four channel version of this Class-D power amplifier with an output power of 500 Watt for each channel. The WaveDynamics™ DSP processor in combination with the 2.5" LCD display gives an unmatched user experience with intuitive functions overview for easy configuration.

Acoustics can be optimized using the filters selectable between Low / High & Band Pass and the 7-Band equalizer which both have adjustable frequencies and Q-factor. Other provided functions are delay and dynamic bass boost. These settings can be custom configured using the front panel of the amplifier, whereby access can be given in two different levels (User & Administrator) using password or USB-key protection. Loudspeaker protection is provided by an output power limiter whereby the maximum output power for every channel (in Watt) can be configured.

Configuration is made simple by the loudspeaker presets and full system configurations which can be selected from a library and uploaded with an USB flash drive. This ensures the best acoustical performance with a bullet-proof loudspeaker protection.

A great input flexibility and source compatibility is provided by the input selection matrix in combination with the XLR and terminal block signal connections. The outputs are performed using speakon compatible and terminal block connections. System integration is made easy using the RS-232 control port.

## ► Specifications

SYSTEM SPECIFICATIONS		
RMS Power @ 4 Ohm Stereo		4 x 500 Watt
RMS Power @ 8 Ohm Stereo		4 x 300 Watt
RMS Power @ 8 Ohm Bridge		2 x 1000 Watt
Frequency response		20 Hz - 20 kHz
Signal to noise ratio		> 95 dB
THD+N by 1 kHz (1/2 Rated Power)		< 0.05 %
Crosstalk		> 70 dB
Technology		Class - D
Power supply		Switching mode
Power supply range		230 ~ 240 V AC / 50 ~ 60 Hz
Input Sensitivity		-19.5 dB ~ 27 dB
Input Impedance		10 k Ohm balanced
Common mode rejection ratio		70 dB
Damping factory		> 200
Protection	Amplifier	DC Short-circuit
		Over heating
	Loudspeaker	Over load
		Access
		Output power limiter
		User & Administrator level (Through password and USB-key protection)
Cooling system		Temperature controlled FAN (Infinitely)
Operating temperature		0° ~ 40° at 95% Humidity
Connectors	Input	XLR & 3-pin Terminal block (3.81 mm)
	Output	Speakon compatible & 2-pin Terminal block (5.08 mm)
PRODUCT FEATURES		
Dimensions (Width x Height x Depth)		482 x 88 x 420 mm
Weight net		8.25 Kg
Mounting		19"
Unit height		2 HE
Construction		Steel
Colour		Black
SHIPPING & ORDERING		
Packaging		Carton box
Shipping weight and volume		11.25 Kg - 0.046 Cbm
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products		