



WaveDynamics™ quad-channel 70/100V power amplifier

PMQ480

Highlights:

- Lightweight class-D amplifier
- XLR input & linkthrough connections
- Terminal block output connections
- RS232 control
- Dante™/AES67 expansion port
- Advanced DSP and loudspeaker management
- 2.5" LCD display with intuitive user interface
- WaveDynamics™ speaker & set configurations



Product information:

The PMQ series are professional 70/100V quad channel power amplifiers, providing a new standard for premium sound 100V amplification in public address applications. Their advanced features and availability in different output powers provide an enormous flexibility for numerous applications.

The PMQ480 is a four channel Class-D 70/100V power amplifier with an output power of 480 Watt for each channel. The WaveDynamics™ DSP processor 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 both with 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 on two different levels (User & Administrator) using password or USB-key protection.

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

A great input flexibility and source compatibility is offered by the input selection matrix and the XLR and terminal block signal connections. System integration is made easy using the RS-232 control port. Optional Dante™ interface is available for the WaveDynamics™ amplifiers. The installation of this network interface allows receiving and sending of low latency, high quality audio over a standard Ethernet network.

Applications:

- Bars & Restaurants
- Education
- Corporate
- Clubs
- Events
- Retail

System specifications:

RMS/AES power handling		4 x 480 W
Frequency	Response (± 3 dB)	50 Hz - 20 kHz
Signal / Noise		> 95 dB
Crosstalk (@ 1 kHz)		> 70 dB
Min. load impedance		8 Ω
Technology		Class-D
Power	Supply	Switching mode
		AC Input: 100-120V/220-240V~ 50/60Hz
Note: Standard voltage and frequency of electricity varies from country to country. Please contact your local distributor to ensure suitable product variant voltage and frequency compatibility.		
Inputs	Sensitivity	-30 dB ~ +5 dB
	Impedance	10 k Ω balanced
Common mode rejection ratio		70 dB
Damping factor		> 200
Protection	Amplifier	DC Short circuit
		Over heating
		Over load
		Signal limiting
	Access	User & Administrator level (Through password and USB-key protection)
Cooling		Temperature controlled fan
Operating temperature		0° ~ 40° @ 95% Humidity
Outputs	Connector	4-pin Euro Terminal Block (Pitch - 5.08 mm)
Inputs	Connector	XLR & 3-pin Euro Terminal Block (3.81 mm)
THD+N (@ 1 kHz)		< 0.05% (1/2 Rated Power)

Product Features:

Dimensions	482 x 88 x 420 mm (W x H x D)
Weight	8.5 kg
Mounting	19"
Unit height	2 HE
Construction	Steel
Colours	Black