

## PPM608

The PPM608 features 500W + 500W peak Class-D, Fast Recovery™ power amplifiers, six mono mic/line channels and two stereo mic/line/RCA channels, each with 3-band Perkins EQ.

The PPM608 is equipped with a 32-bit RMFX+™ processor featuring 24 effects with tap delay, dual 7-band graphic EQ (one for mains, one for monitors) and dedicated in-line compressors on the first four channels.

Each mono channel has a premium Mackie mic preamp, a low/high gain switch, one Mon send and one FX/Mon send and a Channel Insert jack for connecting an external processor.

There are built-in DIs on channels five and six for direct connection of guitars or bass, a 1/4-inch stereo footswitch jack for muting effects and a subwoofer output.

Other features include +48V phantom power, stereo tape output, stereo 12-segment LED meters and TRS stereo output jacks.

Despite its large channel count, the PPM608 is ultra-light. Plus, it's a Mackie which means it is "Built-Like-A-Tank" and will survive years of abuse.

## APPLICATIONS

Live sound mixing, houses of worship, clubs, gymnasiums, banquet halls, conference rooms, boardrooms, multitrack studio and field recording, video post-production, multimedia applications, broadcast, and many, many more.



## FEATURES:

- Full-featured 8-Channel, 1000W Powered Mixer with onboard effects
- 500W + 500W peak Mackie designed Class-D, Fast Recovery™ power amplifiers
- 32-bit RMFX+™ processor featuring 24 "Gig Ready" reverbs, choruses, and tap delay
- Six mic/line mono inputs and two mic/line stereo inputs
- Mackie high-headroom, low-noise mic preamps with RF rejection and switchable 48V phantom power
- Four dedicated in-line compressors
- 3-Band channel EQ on all channels
- DI inputs for direct instrument connections on channel on channels 5 and 6
- Two aux sends – one Mon and one FX/Mon
- Dual 7-Band graphic EQ on the Mains and Monitor outputs
- 3-Mode two-channel Amplifier, switchable as Mains Stereo L/R, Mono Mains/Monitor 1, or Mon 1 and Mon 2
- Precision Passive EQ for enhanced clarity and low-frequency response with Mackie passive loudspeakers
- Built-like-a-tank poly carbonate ABS cabinet with built-in metal handles
- Ultra-lightweight and portable (24.8 lb / 11.2 kg)

## PPM608 SPECIFICATIONS

### Noise Characteristics

Equivalent Input Noise (EIN), mic input, 150 $\Omega$ source impedance, 20 Hz to 20 kHz		-128 dBu
(1 kHz, 30 kHz bandwidth)		
Main mix level down, all channel levels down		-95 dBu
Main mix level 0 dB, all channel levels down		-86 dBu
Main mix level 0 dB, all channel levels 0 dB		-77 dBu
Gain		
Mic mono input	25 dB / 45 dB	
Line mono inputs	0 dB / 20 dB	
Line stereo inputs	0 dB	

### Frequency Response

Mic mono input (+0 / -3 dB)	<10 Hz to 80 kHz
Line mono inputs (+0 / -3 dB)	<10 Hz to 40 kHz
Line stereo inputs (+0 / -3 dB)	<10 Hz to 75 kHz

### Distortion (THD+N)

(1 kHz, 30 kHz bandwidth)	
Mic mono	<0.005% / <0.007%
Line mono	<0.005%
Line stereo	<0.01% at main out

### Maximum Input Levels

Mic mono input	-5 dBu / -25 dBu
Line mono inputs	+21 dBu / +1 dBu
Line stereo inputs	+21 dBu

### Maximum Output Levels

Preamp main and monitor outputs	+21 dBu
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### Loudspeaker Outputs

(Both channels loaded and driven at 1 kHz)

Peak output power @ 4 $\Omega$	2 x 500 W peak
RMS output power @ 4 $\Omega$	2 x 250 W rms, 1% THD 2 x 300 W rms, 3% THD
RMS output power @ 8 $\Omega$	2 x 150 W rms, 1% THD 2 x 180 W rms, 3% THD
Recommended load impedance	4 – 8 $\Omega$ per channel

### Equalization

High Shelving	$\pm 15$ dB @ 12 kHz
Mid Peaking	$\pm 15$ dB @ 2.5 kHz
Low Shelving	$\pm 15$ dB @ 80 Hz
7-Band Graphic EQ	$\pm 15$ dB @ 125, 250, 500, 1k, 2k, 4k, and 8 kHz
Main and Monitor 1	

### Digital Effects

Processor	32-bit
I/O	Mono input / Stereo output
Number of presets	24

### Impedances

Mic mono input	3.6 k $\Omega$ balanced
Line mono input	20 k $\Omega$ balanced
Line mono input, Ch 5, 6 Hi-Z	500 k $\Omega$ unbalanced
Main and monitor preamp outputs	240 $\Omega$ balanced 120 $\Omega$ unbalanced

**PPM608 SPECIFICATIONS continued...****AC Power Requirements**

US	100 – 120 VAC, 50 – 60 Hz, 160W
EU	200 – 240 VAC, 50 – 60 Hz, 160W
AC Connector	3-pin IEC 250 VAC
Operating Temperature	0° – 40°C 32° – 104°F

**Physical Properties (packaged product)**

Height	15.2 in / 386 mm
Width	22.1 in / 561 mm
Depth	15.2 in / 386 mm
Shipping Weight	30.6 lb / 13.9 kg

**Physical Properties (product)**

Height	12.3 in / 314 mm
Width	19.3 in / 490 mm
Depth	11.4 in / 290 mm
Net Weight	24.8 lb / 11.2 kg

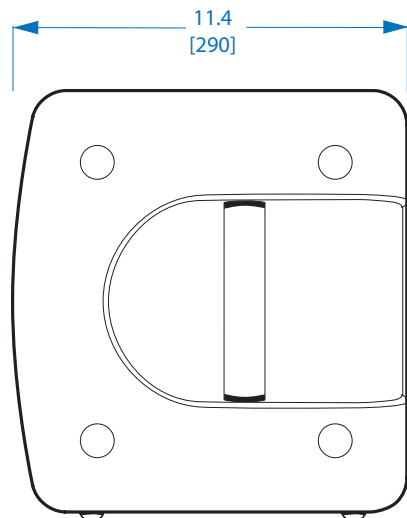
**Options**

Mixer Bag	P/N 093-011-00
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**Ordering Information**

PPM608 8-Channel Professional Powered Mixer, US	P/N 0026939-00
PPM608 8-Channel Professional Powered Mixer, EU	P/N 0026939-01

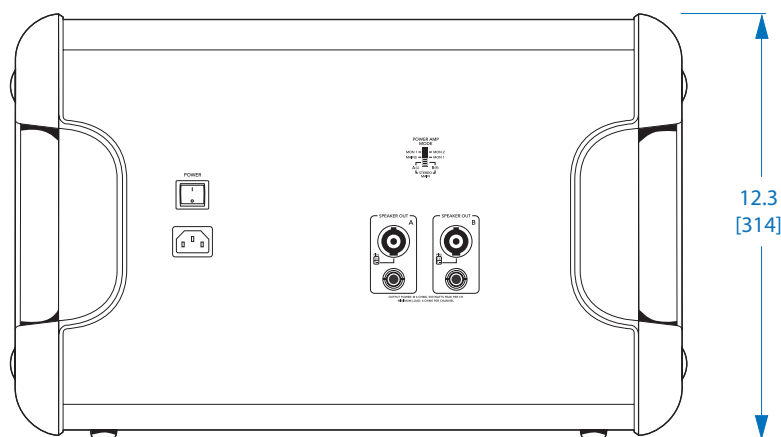
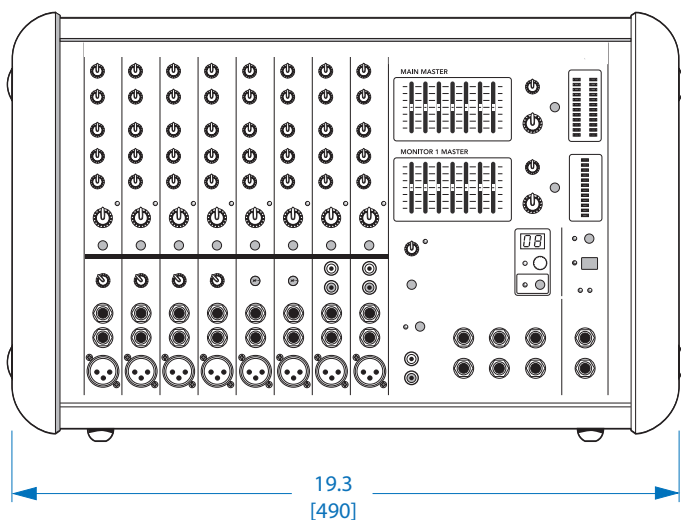
#### PPM608 DIMENSIONS



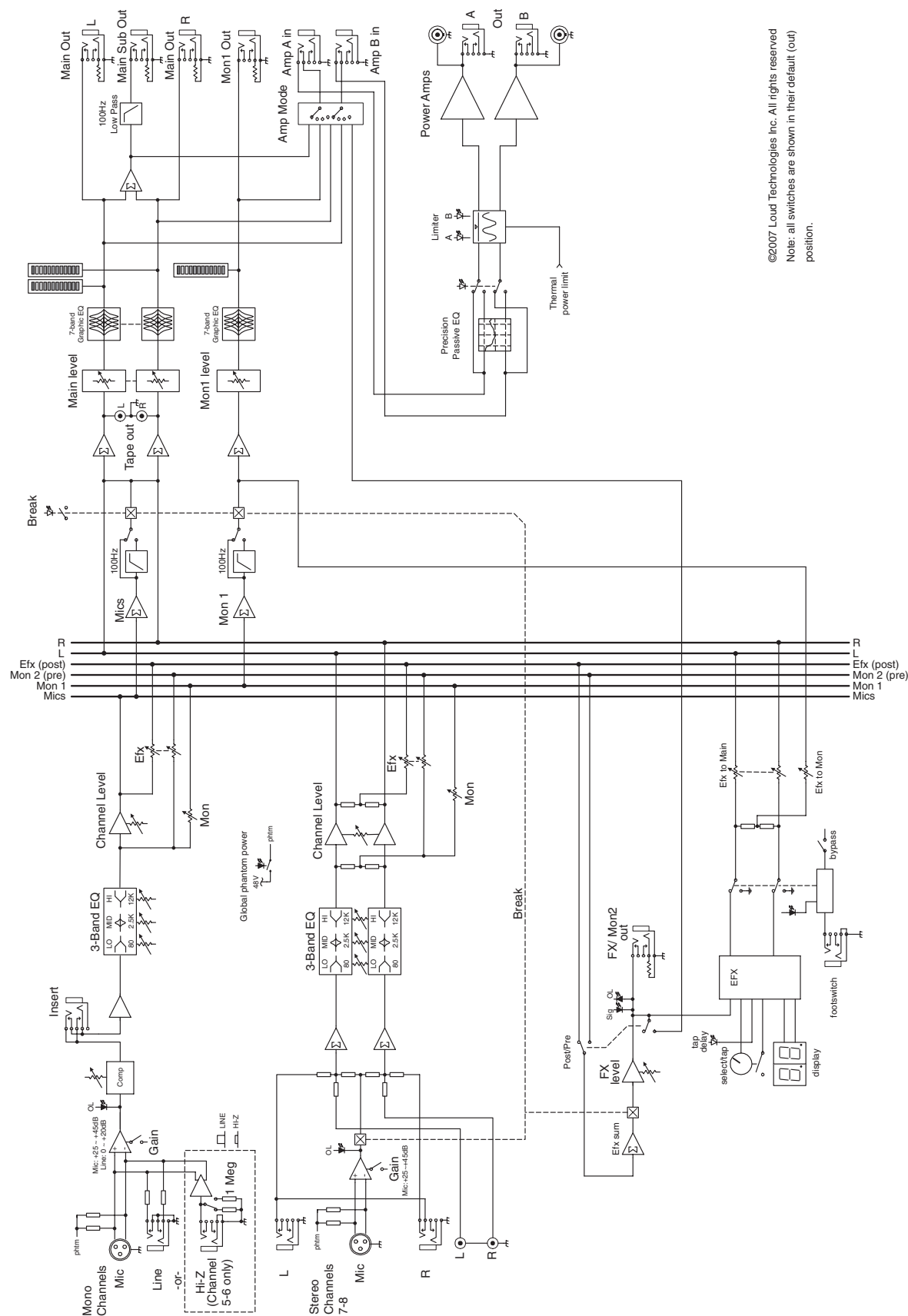
#### NOTES:

1. WEIGHT APPROX. 24.8 lb [11.2 kg].
2. SHIPPING WEIGHT APPROX. 30.6 lb [13.9 kg].

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. DUAL [MM] DIMENSIONS FOR REF ONLY

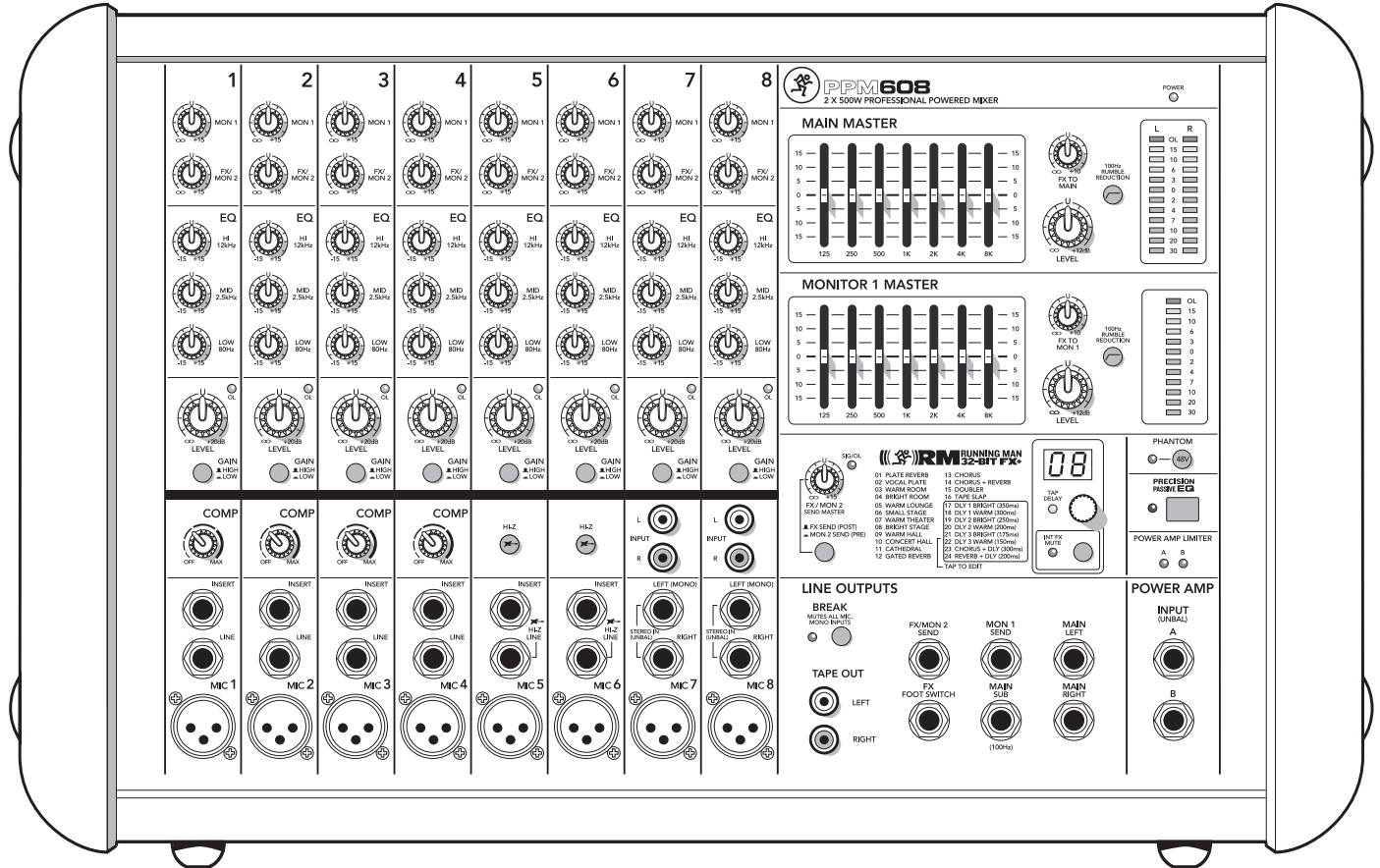


## PPM608 BLOCK DIAGRAM

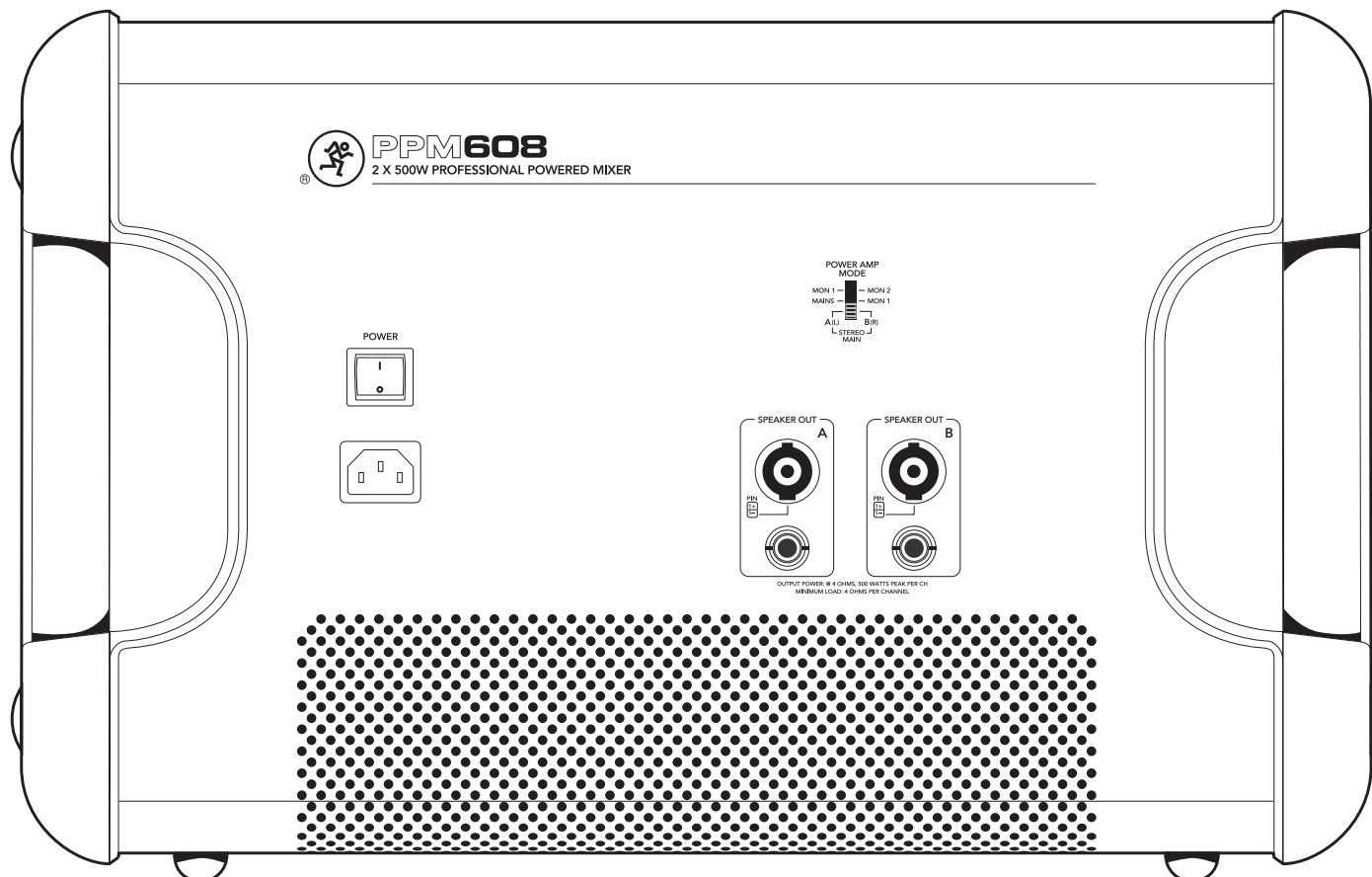


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Note: all switches are shown in their default (out)  
position.

## PPM608 FRONT PANEL



## PPM608 REAR PANEL



Electronic files for this product are available at:  
[www.mackie.com](http://www.mackie.com)

Specification Sheet	PPM608_SS.PDF
Owner's Manual	PPM608_OM.PDF

## MACKIE®

www.mackie.com  
16220 Wood-Red Road NE  
Woodinville, WA 98072 USA  
800-898-3211, Fax 425-487-4337, sales@mackie.com

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