

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 Ω 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

Loudspeaker Outputs

(Both channels loaded and driven at 1 kHz)

Peak output power @ 4 Ω 2 x 500 W peak

RMS output power @ 4 Ω 2 x 250 W rms, 1% THD

2 x 300 W rms, 3% THD

RMS output power @ 8 Ω 2 x 150 W rms, 1% THD

2 x 180 W rms, 3% THD

Recommended load impedance 4 – 8 Ω per channel

Equalization

High Shelving ± 15 dB @ 12 kHz

Mid Peaking ± 15 dB @ 2.5 kHz

Low Shelving ± 15 dB @ 80 Hz

7-Band Graphic EQ ± 15 dB @ 125, 250, 500,

1k, 2k, 4k, and 8 kHz

Digital Effects

Processor 32-bit

I/O Mono input / Stereo output

Number of presets 24

Impedances

Mic mono input 3.6 k Ω balanced

Line mono input 20 k Ω balanced

Line mono input, Ch 5, 6 Hi-Z 500 k Ω unbalanced

Main and monitor preamp outputs 240 Ω balanced

120 Ω 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

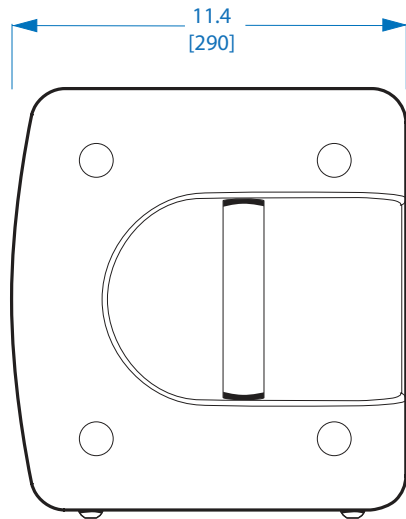
Options

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

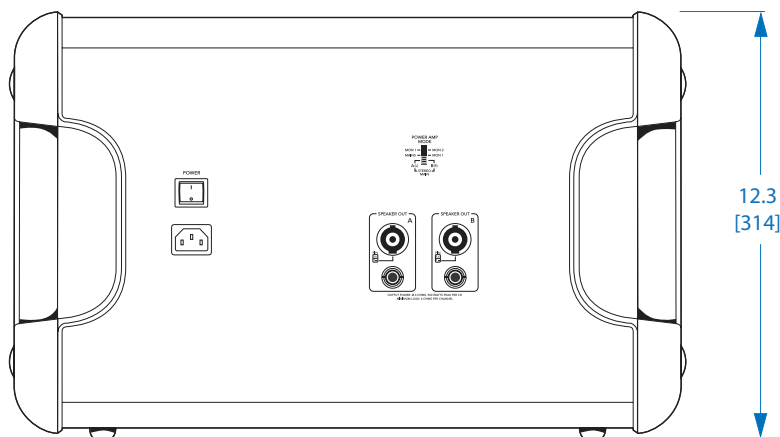
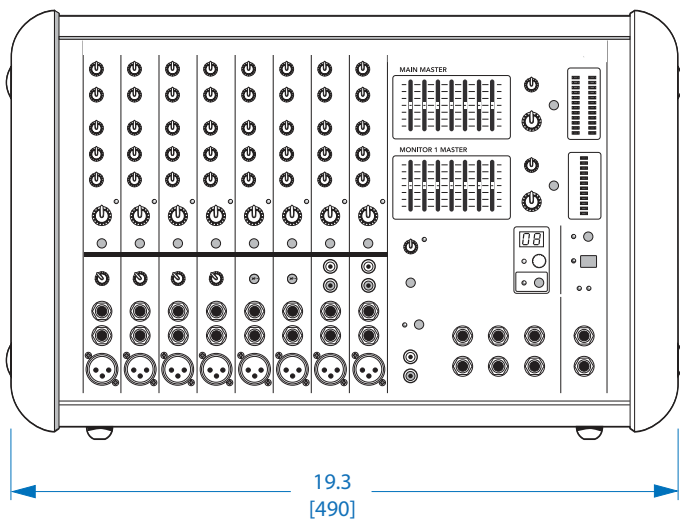
PPM608 DIMENSIONS



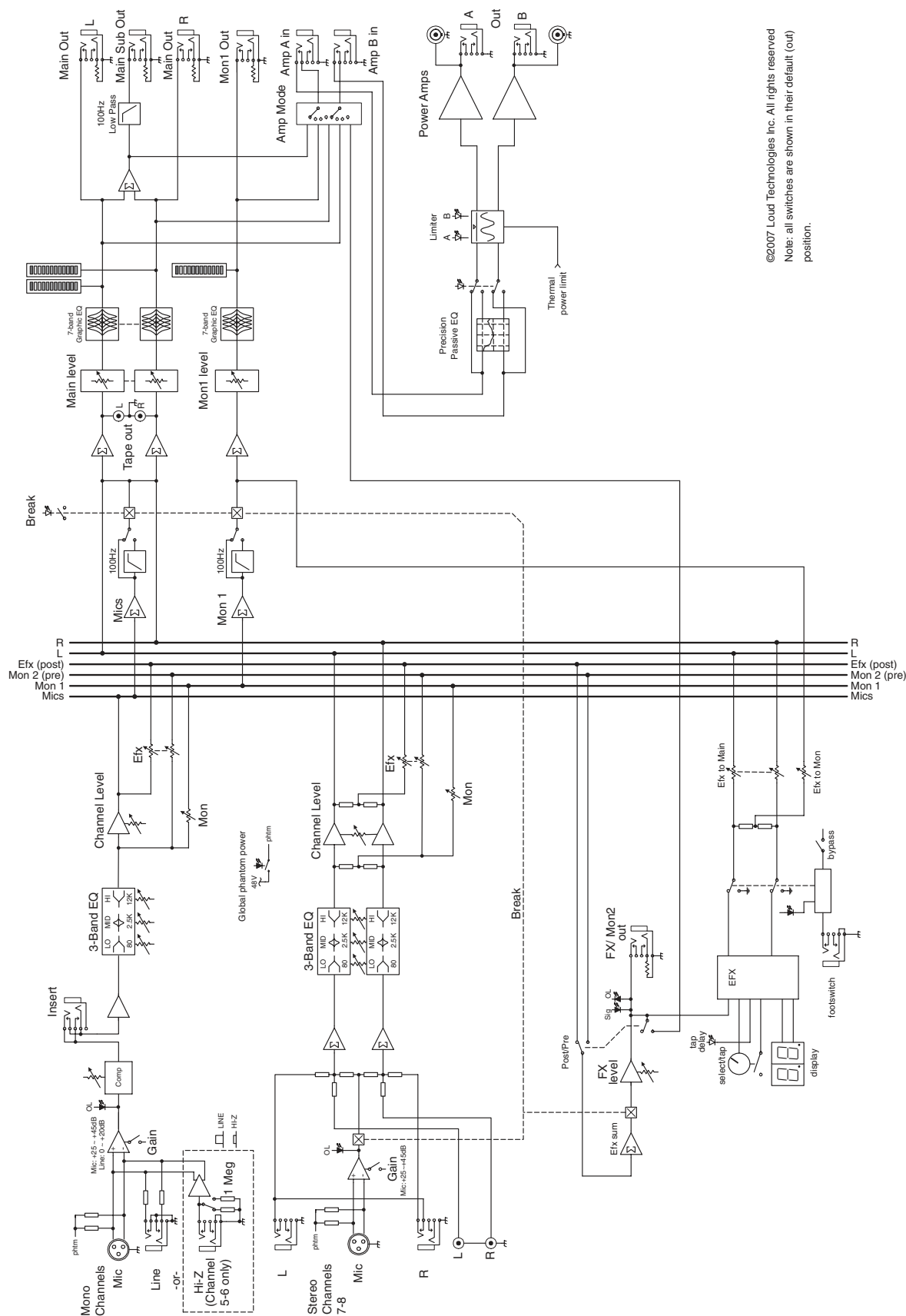
NOTES:

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

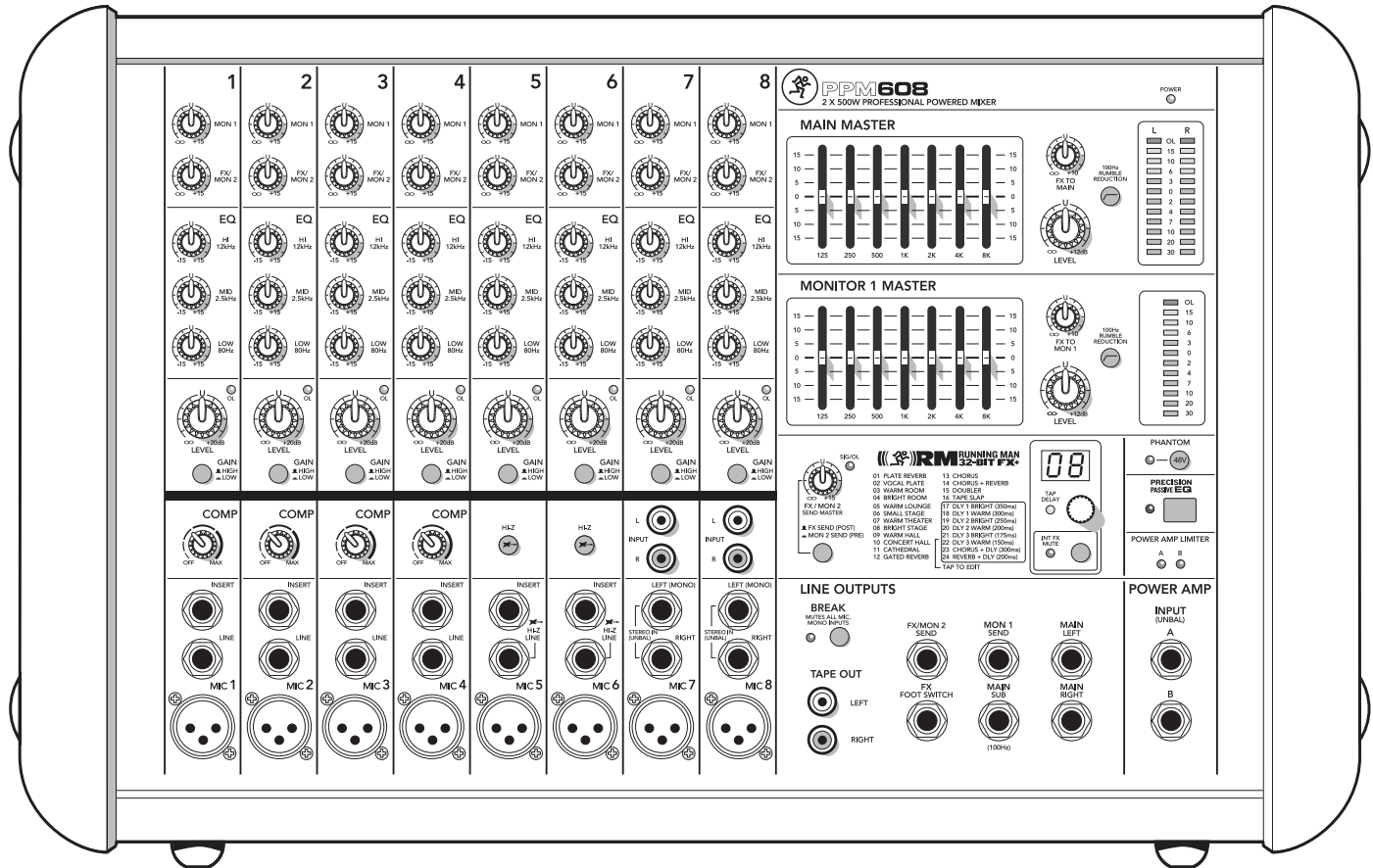


PPM608 BLOCK DIAGRAM

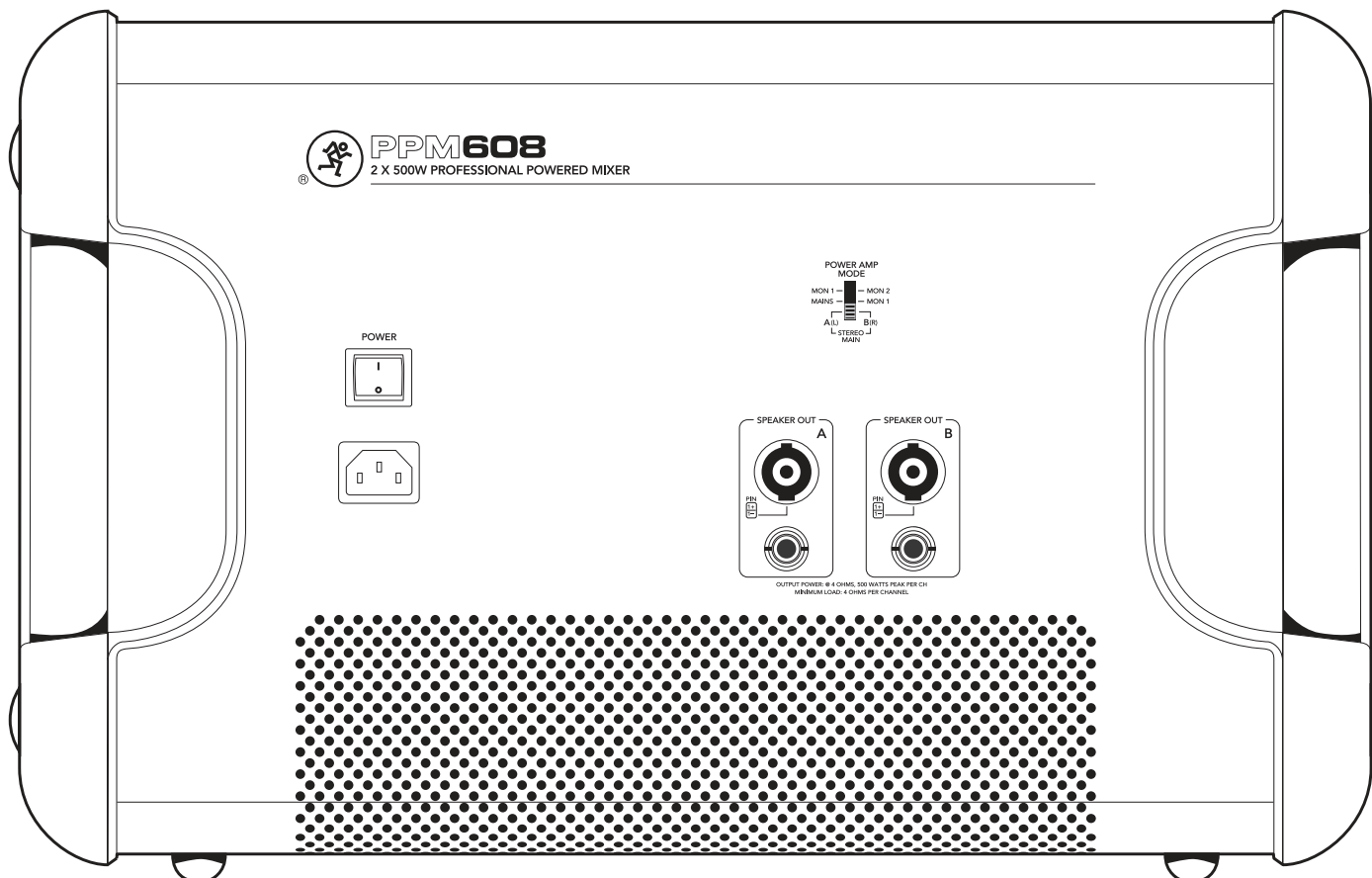


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Note: all switches are shown in their default (out) position.

PPM608 FRONT PANEL



PPM608 REAR PANEL



Electronic files for this product are available at:
www.mackie.com

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

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