PPM1008

The PPM1008 features 800W + 800W peak Class-D, Fast Recovery™ power amplifiers, six mono mic/line channels each with 3-band Perkins EQ and sweepable mid and two stereo mic/line/RCA channels each with 4-band Perkins EQ.

The PPM1008 is equipped with a 32-bit RMFX+™ processor featuring 24 effects with tap delay, dual 9-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 PPM1008 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, 1600W Powered Mixer with onboard effects
- 800W + 800W 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 with a Mid sweep (100 Hz – 8 kHz) on mono channels and 4-band EQ on stereo line channels 7 and 8
- DI inputs for direct instrument connections on channels 5 and 6
- Two aux sends – one Mon and one FX/Mon
- Dual 9-Band graphic EQs 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 handles
- Ultra-lightweight and portable (25.2 lb / 11.4 kg)
PPM1008 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 800 W peak
- RMS output power @ 4 Ω: 2 x 400 W rms, 1% THD
- RMS output power @ 8 Ω: 2 x 250 W rms, 1% THD
- 2 x 300 W rms, 3% THD

**Recommended load impedance**

4 – 8 Ω per channel

**Equalization**

- High Shelving (all channels): ±15 dB @ 12 kHz
- Mid Mono Channels
  - Mid Peaking, sweepable: ±15 dB
  - Mid sweep range: 100 Hz to 8 kHz
- Mid Stereo Channels
  - Hi Mid Peaking: ±15 dB @ 2.5 kHz
  - Lo Mid Peaking: ±15 dB @ 400 Hz
- Low Shelving (all channels): ±15 dB @ 80 Hz
- 9-Band Graphic EQ: ±15 dB @ 63, 125, 250, 500, 1k, 2k, 4k, 8k and 16 kHz

**Digital Effects**

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

**Impedances**

- Mic mono input: 3.6 kΩ balanced
- Line mono input: 20 kΩ balanced
- Line mono input, Ch 5, 6 Hi-Z: 500 kΩ unbalanced
- Main and monitor preamp outputs: 240 Ω balanced / 120 Ω unbalanced
PPM1008 SPECIFICATIONS continued...

**AC Power Requirements**

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>EU</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100 – 120 VAC, 50 – 60 Hz, 250W</td>
<td>200 – 240 VAC, 50 – 60 Hz, 250W</td>
</tr>
<tr>
<td>AC Connector</td>
<td>3-pin IEC 250 VAC</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0˚ – 40˚C</td>
<td>32˚ – 104˚F</td>
</tr>
</tbody>
</table>

**Physical Properties (packaged product)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>15.2 in / 386 mm</td>
</tr>
<tr>
<td>Width</td>
<td>22.1 in / 561 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>15.2 in / 386 mm</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>31.0 lb / 14.1 kg</td>
</tr>
</tbody>
</table>

**Physical Properties (product)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>12.3 in / 314 mm</td>
</tr>
<tr>
<td>Width</td>
<td>19.3 in / 490 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>11.4 in / 290 mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>25.2 lb / 11.4 kg</td>
</tr>
</tbody>
</table>

**Options**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixer Bag</td>
<td>P/N 093-011-00</td>
</tr>
</tbody>
</table>

**Ordering Information**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PPM1008 8-Channel Professional Powered Mixer, US</td>
<td>P/N 0026940-00</td>
</tr>
<tr>
<td>PPM1008 8-Channel Professional Powered Mixer, EU</td>
<td>P/N 0026940-01</td>
</tr>
</tbody>
</table>
PPM1008 DIMENSIONS

NOTES:
1. WEIGHT APPROX. 25.2 lb [11.4 kg].
2. SHIPPING WEIGHT APPROX. 31.0 lb [14.1 kg].

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. DUAL [MM] DIMENSIONS FOR REF ONLY.
PPM1008 REAR PANEL

Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice. “Mackie” and the “Running Man” figure are registered trademarks of LOUD Technologies Inc. All other brand names mentioned are trademarks or registered trademarks of their respective holders, and are hereby acknowledged.

©2011 LOUD Technologies Inc. All Rights Reserved.