PPM1012

Featuring 800W + 800W peak Class-D, Fast Recovery™ power amplifiers, a full eight mono mic/line channels each with 3-band Perkins EQ and sweepable mid and two stereo channels each with 4-band Perkins EQ, the PPM1012 is the flagship mixer of the Mackie PPM series.

The PPM1012 is equipped with two 32-bit RMFX+™ processors, each 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 six channels.

Each mono channel has a premium Mackie mic preamp, an input Gain control with 50 dB of gain, a 100 Hz Low Cut filter, two Aux/Mon sends and two Aux/FX sends, Pan, Mute, Solo, a 60 mm fader and a Channel Insert jack for connecting an external processor.

There are built-in DIs on channels seven and eight for direct connection of guitars or bass, a 1/4-inch stereo footswitch jack for muting effects and a switchable subwoofer output with variable low-pass frequency.

Other features include +48V phantom power, a stereo tape input and output, a 1/4-inch stereo headphone jack, stereo 12-segment LED meters, BNC lamp socket and XLR and TRS stereo (and mono) output jacks.

Despite its large channel count, the PPM1012 is ultra-light and rack-mountable. 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:

- Eight mic/line mono inputs and two stereo line inputs with 4-segment LEDs
- Mackie high-headroom, low-noise mic preamps with RF rejection and switchable 48V phantom power
- Six 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 9/10 and 11/12
- DI inputs for direct instrument connections on channels 7 and 8
- Four aux sends – two Mon and two FX
- Dual 9-Band graphic EQs on the Mains and Monitor outputs
- Mono output with level control and low pass filter adjustable from 75 Hz – 100 Hz
- 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
- 12v BNC lamp Jack
- Built-like-a-tank metal chassis with a handle built into the front of the mixer for easy transport
- Rack ears included
- Lightweight and portable (29 lb / 13 kg)
PPM1012 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 -89 dBu
Main mix level 0 dB, all channel levels 0 dB -84 dBu

Gain
Mic mono input 0 dB to +50 dB
Line mono inputs -20 dB to +30 dB
Line stereo inputs -20 dB to +20 dB

Frequency Response

Mic mono input (+0 / -3 dB) <10 Hz to 100 kHz
Line mono inputs (+0 / -3 dB) <10 Hz to 32 kHz
Line stereo inputs (+0 / -3 dB) <10 Hz to 80 kHz

Distortion (THD+N)

(1 kHz, 30 kHz bandwidth)
Mic mono <0.003%
Line mono <0.005%
Line stereo <0.003% at main out

Maximum Input Levels

Mic mono input +21 dBu minimum gain
Line mono inputs +21 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

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 kHz

Low Shelving (all channels) ±15 dB @ 80 Hz
9-Band Graphic EQ ±15 dB @ 63, 125, 250, 500,
Main and Monitor 1 1k, 2k, 4k, 8k and 16 kHz

Digital Effects

Processor Two 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 7, 8 Hi-Z 500 kΩ unbalanced
Line stereo inputs 20 kΩ balanced
Main and monitor outputs 240 Ω balanced
120 Ω unbalanced
## PPM1012 Specifications continued...

### AC Power Requirements

<table>
<thead>
<tr>
<th>Region</th>
<th>Voltage Range</th>
<th>Frequency</th>
<th>Power</th>
<th>Connector</th>
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</thead>
<tbody>
<tr>
<td>US</td>
<td>100 – 120 VAC</td>
<td>50 – 60 Hz</td>
<td>250W</td>
<td>3-pin IEC 250 VAC</td>
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<tr>
<td>EU</td>
<td>200 – 240 VAC</td>
<td>50 – 60 Hz</td>
<td>250W</td>
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</tbody>
</table>

### Operating Temperature

- 0° – 40°C
- 32° – 104°F

### Physical Properties (Packaged Product)

<table>
<thead>
<tr>
<th>Property</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>Height</td>
<td>11.5 in / 292 mm</td>
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<tr>
<td>Width</td>
<td>24.0 in / 610 mm</td>
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<tr>
<td>Depth</td>
<td>24.5 in / 622 mm</td>
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<tr>
<td>Shipping Weight</td>
<td>41.0 lb / 18.6 kg</td>
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### Physical Properties (Product)

<table>
<thead>
<tr>
<th>Property</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
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<tr>
<td>Width</td>
<td>17.4 in / 442 mm</td>
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<tr>
<td>Depth</td>
<td>19.2 in / 487 mm</td>
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<tr>
<td>Net Weight</td>
<td>29.0 lb / 13.2 kg</td>
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</table>

### Ordering Information

- **PPM1012 12-Channel Professional Powered Mixer, US**
  - P/N 0026941-00
- **PPM1012 12-Channel Professional Powered Mixer, EU**
  - P/N 0026941-01
PPM1012 DIMENSIONS

NOTES:
1. WEIGHT APPROX. 29.0 lb [13.2 kg].
2. SHIPPING WEIGHT APPROX. 41.0 lb [18.6 kg].

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