MX2500 • MX3500

MX Series Professional Power Amplifiers provide the power and performance needed for installation and portable passive systems.

Utilizing proven Mackie amplifier design history, they deliver clear, punchy sound that’s distortion-free even when pushed to the limits.

The MX Series is Built-Like-A-Tank™ but is still easy to lift thanks to a lightweight and ultra-efficient high-current switching power supply.

With optimized performance, super-quiet operation and an array of protection circuits, the MX Series delivers powerful performance at an affordable price.

Combine with DRM Passive Loudspeakers and the SP260 Loudspeaker Processor for a complete Mackie professional system.

APPLICATIONS:

Small to mid-size club/band PA systems, houses of worship, DJs, rehearsal spaces, gymnasiums, banquet halls, A/V rentals and many, many more.

FEATURES:

■ Affordable, reliable power perfect for DRM Series Passive Loudspeakers, installations, and production audio systems

■ Ultra-lightweight switching power supply for maximum efficiency and minimal heat

■ Forced-air ventilation keeps the amplifier running cool

■ MX2500 Power output:
  • 500W Continuous power @8 ohms per channel
  • 750W Continuous power @4 ohms per channel
  • 1500W continuous power @ 8 ohms bridged

■ MX3500 Power output:
  • 1000W Continuous power @ 8 ohms per channel
  • 1350W Continuous power @ 4 ohms per channel
  • 2700W continuous power @ 8 ohms bridged

■ Selectable parallel/stereo/bridged operating modes

■ Independent level control per channel

■ Selectable input sensitivity

■ Signal, Clip, and Fault LEDs per channel

■ Short, under-impedance, over-current and thermal protection

■ XLR Input and Thru per channel

■ NL4 outputs

■ Robust, impact-resistant, all-steel 2U rackmount chassis

Not available in USA, Canada, China, Japan and other 100 – 120V countries.

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MX SERIES AMPLIFIERS SPECIFICATIONS

Continuous Sine Wave Average Output Power, per channel, both channels driven, 20 Hz to 20 kHz

**MX2500:**
- 8 Ω Bridged Power: 1500 W
- 8 Ω Dual Power: 500 W
- 4 Ω Dual Power: 750 W

**MX3500:**
- 8 Ω Bridged Power: 2700 W
- 8 Ω Dual Power: 1000 W
- 4 Ω Dual Power: 1350 W

Frequency Response
- @1 W: 20 Hz – 20 kHz (+0, –1 dB)

Distortion (THD)
- 20 Hz – 20 kHz: <0.5%

Signal-to-Noise Ratio (20 Hz – 20 kHz)
- MX2500: >104 dB below rated power, A-weighted
- MX3500: >105 dB below rated power, A-weighted

Damping Factor
- >200 @ 10 Hz to 400 Hz into 8 Ω

Slew Rate
- >10V/us

Input Gain
- MX2500: 33 dB
- MX2300: 37 dB

Input / Output
- Input Type: Female XLR Balanced
- XLR Impedance: 20 kΩ balanced, 10 kΩ unbalanced
- Output Type: Speakon® Male XLR Balanced [Thru]
- Speakon Out Impedance: 600 Ω balanced
- XLR Thru Out Impedance: 600 Ω balanced

**Line Input Power**
- Detachable line cord:
  - MX2500: 230–240VAC, 50–60 Hz, 500W @ 8 Ω
  - MX3500: 230–240VAC, 50–60 Hz, 1000W @ 8 Ω
- AC Connector: 3-pin IEC 250 VAC, 10 A male

**Safety Features**
- Input Protection: Peak and RMS limiting, power supply and amplifier thermal protection
- Cooling: Variable-speed fans with back-to-front airflow
- Channel Display LEDs: Power, Signal, Clipping, Fault

**Physical Properties (product)**
- **MX2500:**
  - Height: 3.5 in / 88 mm
  - Width: 19.0 in / 483 mm
  - Depth: 11.9 in / 303 mm
  - Weight: 30.4 lb / 13.8 kg
- **MX3500:**
  - Height: 3.5 in / 88 mm
  - Width: 19.0 in / 483 mm
  - Depth: 14.6 in / 370 mm
  - Weight: 40.3 lb / 18.3 kg

**Physical Properties (packaged product)**
- **MX2500:**
  - Height: 6.1 in / 155 mm
  - Width: 22.9 in / 582 mm
  - Depth: 21.1 in / 536 mm
  - Weight: 35.5 lb / 16.1 kg
- **MX3500:**
  - Height: 6.1 in / 155 mm
  - Width: 22.9 in / 582 mm
  - Depth: 21.1 in / 536 mm
  - Weight: 45.4 lb / 20.6 kg
MX SERIES AMPLIFIERS SPECIFICATIONS CONTINUED...

Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>USA P/N</th>
<th>EU P/N</th>
<th>CHN P/N</th>
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<td>P/N 2050850-00</td>
<td>P/N 2050850-01</td>
<td>P/N 2050850-05</td>
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<td>MX3500 3500W Professional Power Amplifier</td>
<td>P/N 2050860-00</td>
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MX SERIES AMPLIFIERS DIMENSIONS

Dimensions:
- MX2500: 19.0 in / 483 mm
- MX3500: 11.9 in / 303 mm [MX2500]
- MX3500: 14.6 in / 370 mm [MX3500]

Weight:
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- MX3500: 40.3 lb / 18.3 kg
LOUD Audio, LLC. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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

Specification Sheet  MX_SERIES_SS.PDF
Owner’s Manual  MX_SERIES_OM.PDF

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