



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.



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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.

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)
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Distortion (THD)

20 Hz – 20 kHz:	<0.5%
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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

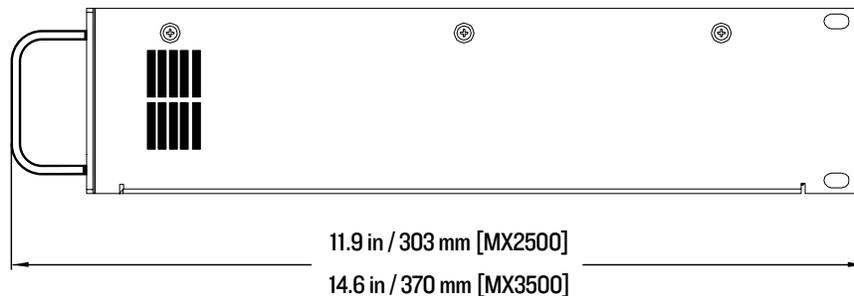
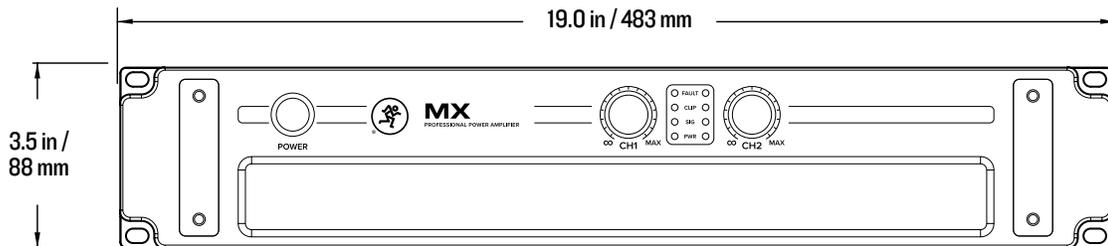
MX SERIES AMPLIFIERS SPECIFICATIONS CONTINUED...

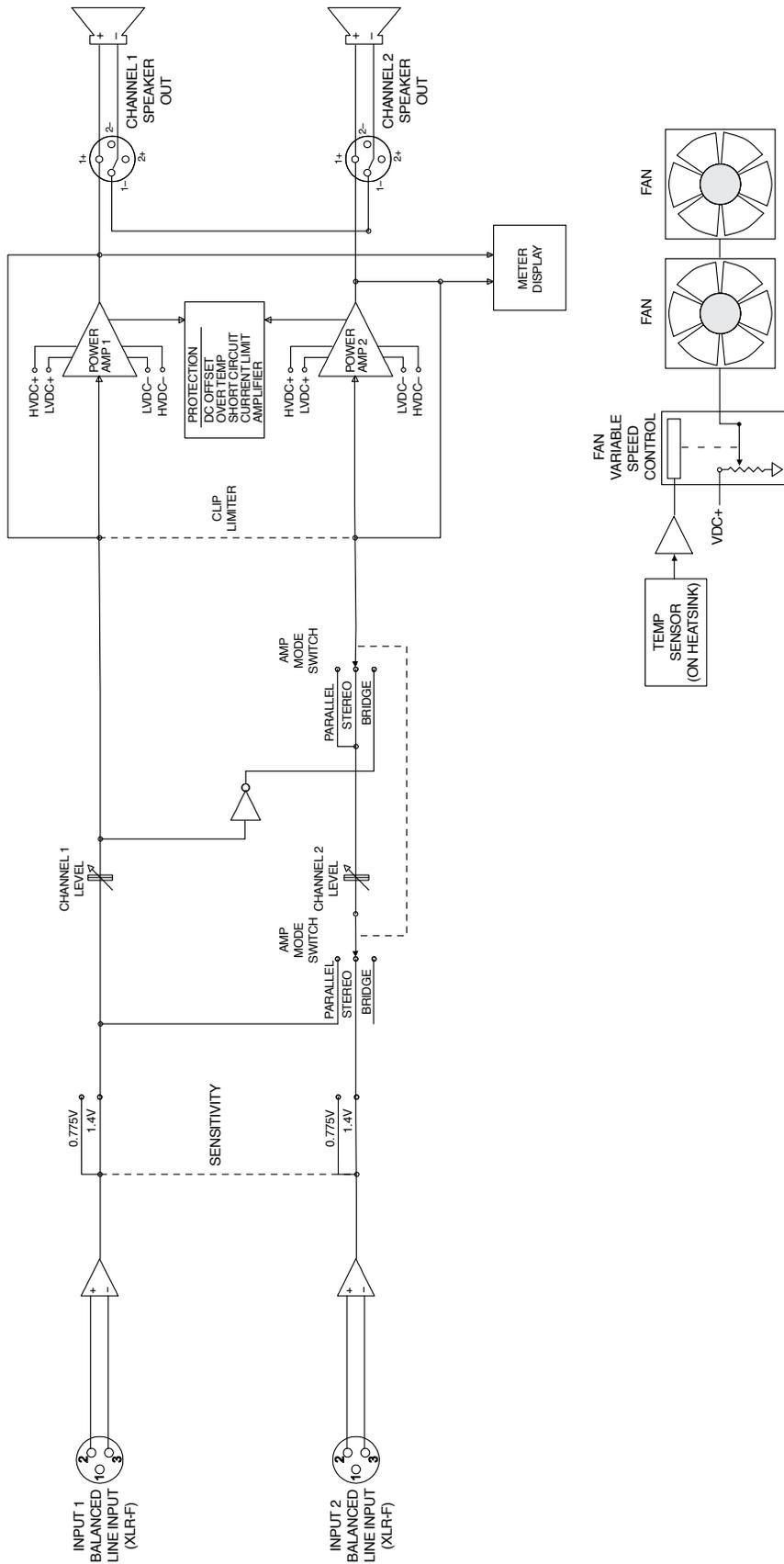
Ordering Information

MX2500 2500W Professional Power Amplifier, US	P/N 2050850-00
MX2500 2500W Professional Power Amplifier, EU	P/N 2050850-01
MX2500 2500W Professional Power Amplifier, CN	P/N 2050850-05

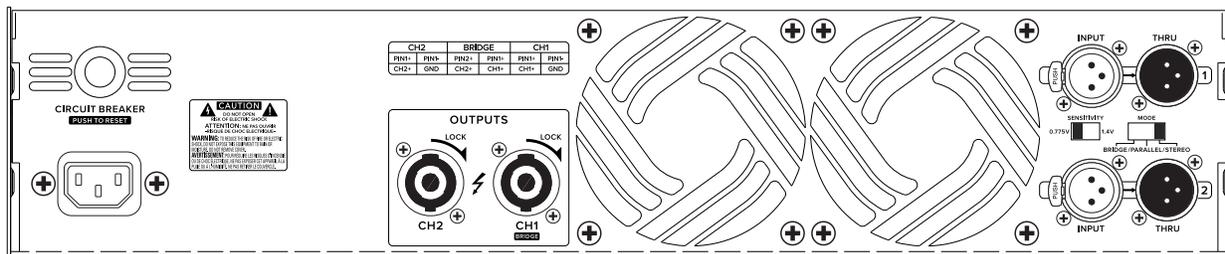
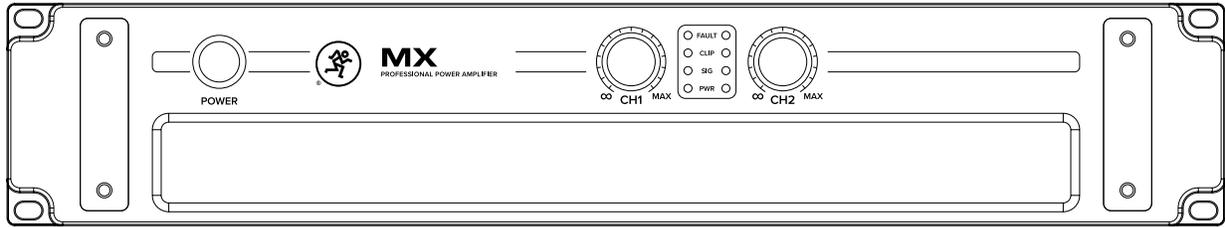
MX3500 3500W Professional Power Amplifier, US	P/N 2050860-00
MX3500 3500W Professional Power Amplifier, EU	P/N 2050860-01
MX3500 3500W Professional Power Amplifier, CN	P/N 2050860-05

MX SERIES AMPLIFIERS DIMENSIONS



MX SERIES AMPLIFIERS BLOCK DIAGRAM


MX SERIES AMPLIFIERS FRONT AND REAR PANELS



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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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