

MAX SERIES

MAX250 160 Watts Power Amplifier

MAX500 240 Watts Power Amplifier

MAX860 600 Watts Power Amplifier

MAX1500 900 Watts Power Amplifier

MAX2500 1500 Watts Power Amplifier

High current power supply for increased reliability and performance

Complete amplifier protection

Grounding / Floating switch to avoid grounding loop (MAX 250 and 500)

Variable speed cooling fan (MAX 860, 1500 and 2500)

Selectable high pass filters (30 Hz or 50 Hz) and limiters protect speakers and increase headroom (MAX 860, 1500 and 2500)



FEATURES

- ▶ Output power (MAX250 / 500 / 860 / 1500 / 2500): 80W / 120W / 300W / 450W / 750W @ 4 ohms
- ▶ Studio quality performance with very low noise and wide dynamic range
- ▶ Class H high efficiency circuitry design (MAX250/500)
- ▶ High-current toroidal transformers for greater power and low noise (MAX860/1500/2500)
- ▶ Ultra-low total harmonic distortion
- ▶ High damping factor provides exceptional loudspeaker motion control
- ▶ Independent user-defeatable peak limiters reduce distortion (MAX860/1500/2500)
- ▶ Signal and CLIP indicators to monitor performance
- ▶ Selectable High-Pass filter at 30Hz or 50Hz (MAX860/1500/2500)
- ▶ Detented level controls for precise repeatability and front mounted gain controls for easy access
- ▶ Convection cooling system dissipates heat through the heat sinks and chassis for optimal cooling (MAX250/500)
- ▶ XLR and 1/4" TRS input jacks (MAX860/1500/2500)
- ▶ Binding post and speakon outputs (MAX860/1500/2500)
- ▶ Short circuit, thermal, subsonic, RF protection, output DC off set, power on/off muting
- ▶ 1 standard rack unit (MAX250/500)
- ▶ 2 standard rack units (MAX860/1500/2500)

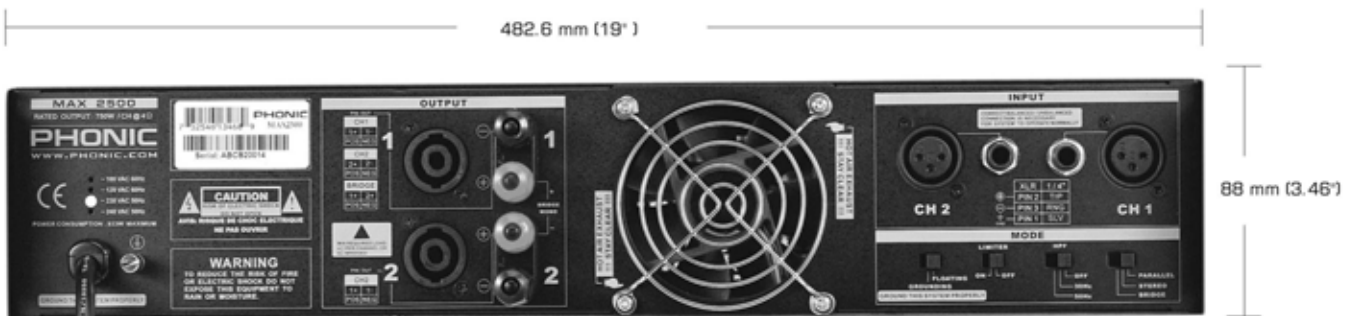
All 5 of the Phonic MAX series amplifiers provide a range of different power options, and are big on added features. Input to the MAX amps is achieved via 'combo' connectors (accepting both XLR and 1/4" jacks) and output is achieved through either Speakon connectors or traditional binding posts. Common to all models are such features as ground switches, user defeatable clip limiters, selectable high pass filters, as well as the ability to choose stereo, parallel or bridge operating modes, making the MAX series amplifiers ideal for real world, large scale application.

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MAX SERIES

Specifications

	MAX 250	MAX 500	MAX 860	MAX 1500	MAX 2500
Stereo Mode (driving both channels)	Continuous Average Output Power Per Channel				
8 ohms EIA 1kHz 0.1%THD	60W	90	200W	280W	500W
4 ohms EIA 1kHz 0.1%THD	80W	120	300W	450W	750W
2 ohms EIA 1kHz 1%THD	NA	NA	480W	720W	1100W
Bridge Mono Mode	Continuous Average Output Power				
8 ohms EIA 1kHz 0.1%THD	NA	NA	600W	900W	1500W
4 ohms EIA 1kHz 1%THD	NA	NA	880W	1320W	2200W
All Models					
Output Circuitry	Class H				
Input sensitivity @ 8ohms	1.23V (+4dBu)	1.23V (+4dBu)	1.23V (+4dBu)	1.23V (+4dBu)	1.23V (+4dBu)
Distortion(SMPTE-IM)	<0.01%		<0.01%		<0.02%
Noise (unweighted 20Hz-20KHz below rated output)	103 dB		100dB		
Damping Factor	>300 @ 8ohms				
Frequency Response	20 Hz-20KHz, +0/-1dB; -3dB points: 5Hz-50KHz				
Input Impedance	20 K ohms balanced, 10 K ohms unbalanced				
Cooling	Convection		Continuous variable-speed fan, front-to-rear air flow		
Connectors (each channel)	Input: XLR & 1/4" TRS; Output: 5-way binding posts		Input: XLR & 1/4" TRS; Output: Speakon and binding posts		
Indicators	Power: Blue LED; Signal: Green LED; Clip: Red LED	Power: Blue LED; Signal: Green LED; Clip: Red LED, Protect: Yellow	Power: Blue LED; SIGNAL: Green LED; PEAK: Red LED,		
Controls					
Front panel	CH1 & CH2 GAIN knobs with 41 detents				
Rear panel	Slide switches: Operation mode: Parallel, Stereo; Grounding / Floating		Slide switches: Limiter On/Off; Operation mode: Parallel, Stereo, Bridge Mono; Grounding / Floating; Selectable low cut filter at 30Hz and 50Hz		
Protection Circuitry	Short circuit, thermal, subsonic, RF protection, Output DC offset, Power on/off muting				
Gain	41x (30dB)	41x (30dB)	32x (30dB)	40x (32dB)	50x (34dB)
Power Consumption	80W	210W	600W	900W	1400W
Power Requirement (depends on region)	100~120VAC, 220~ 240VAC, 50/60Hz	100~120VAC,220~ 240VAC, 50/60Hz	100~120VAC, 220~ 240VAC, 50/60Hz	100~120VAC,220~ 240VAC, 50/60Hz	100~120VAC,220~ 240VAC, 50/60Hz
Dimensions (WxHxD)	482.6x44x250 mm (19"x1.73"x5.62")	482x44x340 mm (19"x1.73"x7.65")	482.6x88x415 mm (19"x3.46"x15.9")	482.6x88x415 mm (19"x3.46"x15.9")	482.6x88x415 mm (19"x3.46"x15.9")
Net Weight	6.7 kg (14.8 lbs)	7.85 kg (17.3 lbs)	15 kg (33 lbs)	16 kg (35.2 lbs)	18 kg (39.6 lbs)



Back Panel

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