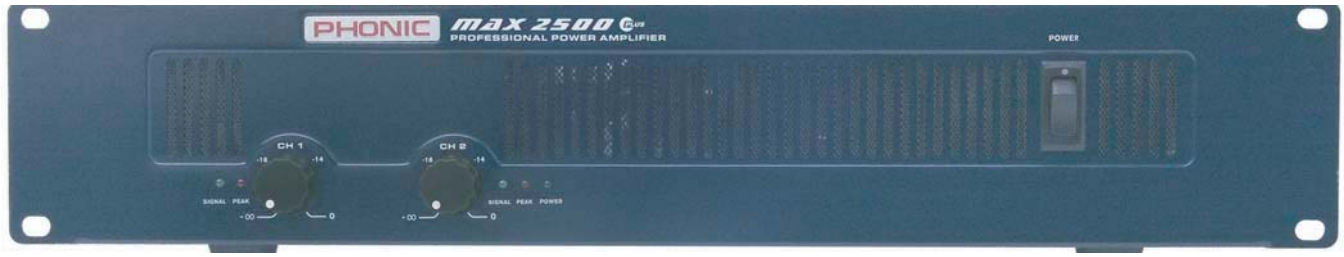
MAX250 160 Watts Power Amplifier
MAX500 240 Watts Power Amplifier
MAX860 PLUS 600 Watts Power Amplifier
MAX1500 PLUS 900 Watts Power Amplifier
MAX2500 PLUS 1500 Watts Power Amplifier

Output power ratings (per channel) between 80 Watts and 750 Watts (at 4 ohms)
High current power supply for increased reliability and performance
Complete amplifier protection circuitry
Grounding / Floating switch to avoid grounding loop (MAX 250 and 500)
Variable speed cooling fan (MAX 860, 1500 and 2500)



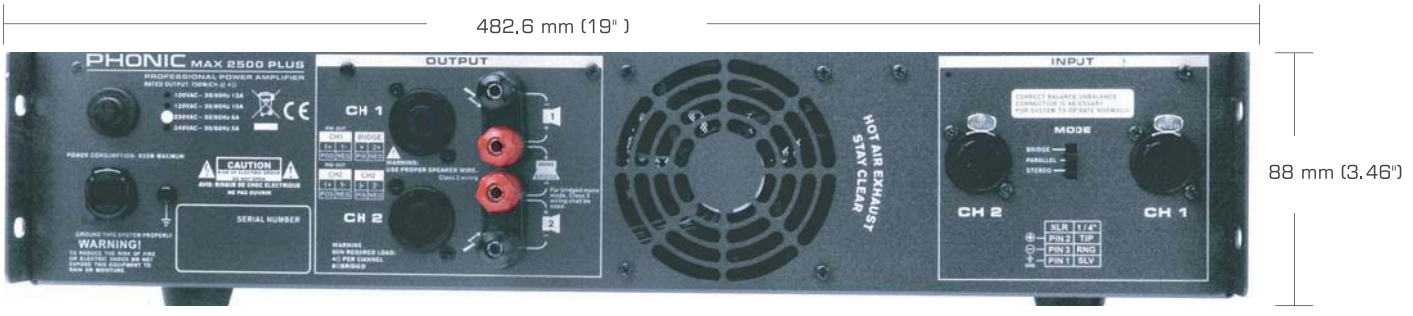
FEATURES

- Output power per channel (MAX250 / 500 / 860PLUS / 1500PLUS / 2500PLUS): 80W / 120W / 300W / 450W / 750W @ 4 ohms
- Studio quality performance with very low noise and wide dynamic range
- Class H high efficiency circuitry design
- High-current toroidal transformers for greater power and low noise (MAX860PLUS / 1500PLUS / 2500PLUS)
- Ultra-low total harmonic distortion
- High damping factor provides exceptional loudspeaker motion control
- Signal and CLIP indicators to monitor performance
- 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 inputs and binding post and speakon outputs (MAX860PLUS / 1500PLUS / 2500PLUS)
- Short circuit, thermal, subsonic, RF protection, output DC off set, power on/off muting
- 1 standard rack unit (MAX250 / 500)
- 2 standard rack units (MAX860PLUS / 1500PLUS / 2500PLUS)

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 Plus amps is achieved via XLR connectors and output is achieved through either Speakon connectors or traditional binding posts. The MAX250 and MAX500 accept signals through XLR and 1/4” connectors, and binding posts are included for output. Common to all models is the ability to be run in both stereo and parallel modes – while the MAX Plus goes further with a bridge function – making the MAX series amplifiers ideal for real world, large scale application.

Specifications

	MAX 250	MAX 500	MAX 860 Plus	MAX 1500 Plus	MAX 2500 Plus
Stereo Mode (driving both channels)	Continuous Average Output Power Per Channel				
8Ω EIA 1kHz 0.1%THD	60W	90W	200W	280W	500W
4Ω EIA 1kHz 0.1%THD	80W	120W	300W	450W	750W
Bridge Mono Mode	Continuous Average Output Power				
8Ω EIA 1kHz 0.1%THD	-	-	600W	900W	1500W
All Models					
Output Circuitry	Class H				
Input Sensitivity @ 8Ω	1.23V (+4dBu)				
Distortion (SMPTE-IM)	<0.01%			<0.02%	
Noise (unweighted 20 Hz - 20 kHz below rated output)	103 dB	103 dB		100dB	
Damping Factor	>300 @ 8Ω				
Frequency Response	20 Hz-20KHz, +0/-1dB; -3dB points: 5Hz-50KHz				
Input Impedance	20 K Ω balanced, 10 K Ω 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; 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		CH1 & CH2 GAIN knobs with 21 detents		
Rear Panel	Slide switches: Operation mode: Parallel, Stereo; Grounding / Floating		Slide switches: Operation mode: Parallel, Bridge, Stereo; Current-Break reset button		
Protection Circuitry	Short circuit, thermal, subsonic, RF protection, output DC offset, power on/off muting				
Power Comsuption	160W	210W	600W	900W	1500W
Power Requirement (depends on region)	100~120VAC, 220~240VAC, 50/60Hz				
Dimensions (WxHxD)	482.6 x 44 x 250 mm (19" x 1.73" x 5.62")	482 x 44 x 340 mm (19" x 1.73" x 7.65")	482.6 x 88 x 415mm (19" x 3.46" x 15.9")	482.6 x 88 x 415mm (19" x 3.46" x 15.9")	482.6 x 88 x 415mm (19" x 3.46" x 15.9")
Weight	6.7 kg (14.8 lbs)	7.85 kg (17.3 lbs)	14.6 kg (32.2 lbs)	14.6 kg (32.2 lbs)	14.6 kg (32.2 lbs)



Back Panel

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