

## MAX250

160 Watt Power Amplifier

## MAX500

240 Watt Power Amplifier

## MAX1000

600 Watt Power Amplifier

## MAX1500<sup>PLUS</sup>

900 Watt Power Amplifier

## MAX2500<sup>PLUS</sup>

1500 Watt Power Amplifier



## Features

- ▶ Output power per channel (MAX250 / 500 / 1000 / 1500 Plus / 2500 Plus): 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 (MAX1000 / 1500 Plus / 2500 Plus)
- ▶ Ultra-low total harmonic distortion
- ▶ High dampening 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 heat sinks and chassis for optimal cooling (MAX250 / 500)
- ▶ XLR inputs and binding post and speakon outputs (MAX1000 / 1500 Plus / 2500 Plus)
- ▶ Short circuit, thermal, subsonic, RF protection, output DC offset, power on/off muting
- ▶ 1 standard rack unit (MAX250 / 500)
- ▶ 2 standard rack units (MAX1000 / 1500 Plus / 2500 Plus)

## Description

All 5 of the Phonic MAX series amplifiers provide a range of different power options, and are big on added features. Input to the MAX1000 and MAX Plus amps is achieved via XLR connectors, while output is 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 and MAX1000 go further with a bridge function - making the MAX series amplifiers ideal for real world, large scale application.

# MAX SERIES

## Professional Power Amplifiers

### Dimensions



### Specifications

	MAX250	MAX500	MAX1000	MAX1500 Plus	MAX2500 Plus
<b>Stereo Mode (driving both channels)</b>					
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
<b>Bridge Mono Mode</b>					
Continuous Average Output Power					
8Ω EIA 1kHz 0.1%THD	-	-	600W	900W	1500W
<b>All Models</b>					
Output Circuitry	Class H	Class H	Class AB	Class AB	Class H
Input Sensitivity @ 8Ω	1.23V (+4dBu)	1.23V (+4dBu)	1.23V (+4dBu)	1.23V (+4dBu)	1.23V (+4dBu)
Distortion (SMPTE-IM)	<0.01%	<0.01%	<0.01%	<0.02%	<0.02%
Noise (unweighted 20 Hz - 20 kHz below rated output)	103dB	103dB	100dB	100dB	100dB
Damping Factor	>300 @ 8Ω				
Frequency Response	20 Hz-20KHz, +0/-1dB; -3dB points: 5Hz-50KHz				
Input Impedance	20 kΩ balanced, 10 kΩ 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	Power: Blue LED; Signal: Green LED; Peak: Red LED	Power: Blue LED; Signal: Green LED; Peak: Red LED
<b>Controls</b>					
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 Consumption	160W	210W	600W	900W	1500W
Power Requirement (depends on region)	100 ~ 120VAC, 220 ~ 240VAC, 50/60Hz				
Dimensions (WxHxD)	483 x 44 x 250 mm (19" x 1.73" x 5.62")	483 x 44 x 250 mm (19" x 1.73" x 5.62")	483 x 88 x 415 mm (19" x 3.46" x 15.9")	483 x 88 x 415 mm (19" x 3.46" x 15.9")	483 x 88 x 415 mm (19" x 3.46" x 15.9")
Weight	6.7 kg (14.8 lbs)	7.85 kg (17.3 lbs)	10.16 kg (22.4 lbs)	11.15 kg (24.6 lbs)	13.24 kg (29.2 lbs)