



Dual-Channel Power Amplifier **R-150/300/500 PLUS**

Features

- R-150 PLUS: 150W@8Ω Bridged Mono
75W@4Ω Stereo
- R-300 PLUS: 300W@8Ω Bridged Mono
150W@4Ω Stereo
- R-500PLUS: 500W@8Ω Bridged Mono
250W@4Ω Stereo
- Frequency Response
20Hz- 20kHz, ±0.5dB
- Convection Cooled
- SoftStart Protection System
- Balanced 10kΩ@0.775V Inputs
- <0.05% Total Harmonic Distortion
- Extensive Protection Circuitry
- Signal, Protection, Clip Indicators
- Rack Mount (2RU)



Description

The R-150/300/500 PLUS are dual-channel high-performance amplifiers. Their clear, open sound and quiet operation make them ideal for reference systems and church sound applications. Inputs are via balanced XLR or 1/4" connectors, outputs are via rugged five-way binding post connectors. All units have soft-start protection circuitry and feature signal, protection and clip indicators on the front panel. For added versatility, they may be operated in stereo, dual mono or bridged mono mode. Convection-cooling provides noise-free ventilation for critical applications. The R-PLUS series amplifiers are powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements) and are packaged in a 3.5" (2RU) rack mount enclosures.

Technical Specifications

ELECTRICAL		R150 PLUS	R300 PLUS	R500 PLUS
Power Output	4Ω Stereo	75W + 75W	150W + 150W	250W + 250W
	8Ω Stereo	50W + 50W	100W+ 100W	170W + 170W
	8Ω Bridged Mono	170W	330W	500W
Input Sensitivity/Impedance		0.775Vrms/10kΩ, Balanced		
Frequency Response (±0.5dB)		20Hz - 20kHz		
THD		< 0.05%		
Residual Noise		< -80 dB		
Channel Separation		> 70 dB		
Damping Factor		> 100		
GENERAL				
Power Source		100-120VAC or 220-240VAC 50/60Hz		
Power Consumption		170W	250W	480W
Weight		15.9lbs.	18.5lbs.	22.9lbs.
		7.2kg	8.4kg	10.4kg
Dimensions (W x H x D)		19" x 3.5" x 12.5"		
		482mm x 88mm x 317mm		

R-150/300/500 PLUS Architects and Engineers Specifications

The power amplifier shall be a dual-channel unit capable of 150W/R-150 PLUS, 300W/R-300 PLUS, or 500W/R-500 PLUS RMS (bridged-mono) @8Ω or 75W/R-150 PLUS, 150W/R-300 PLUS, or 250W/R-500 PLUS RMS @4Ω stereo. Inputs shall be balanced XLR and 1/4" connectors and outputs shall be via rugged five-way binding-post connectors. The unit shall have a soft-start system to help protect speakers against power surges at power on or power off. Convection cooling shall provide noise-free ventilation for critical applications.

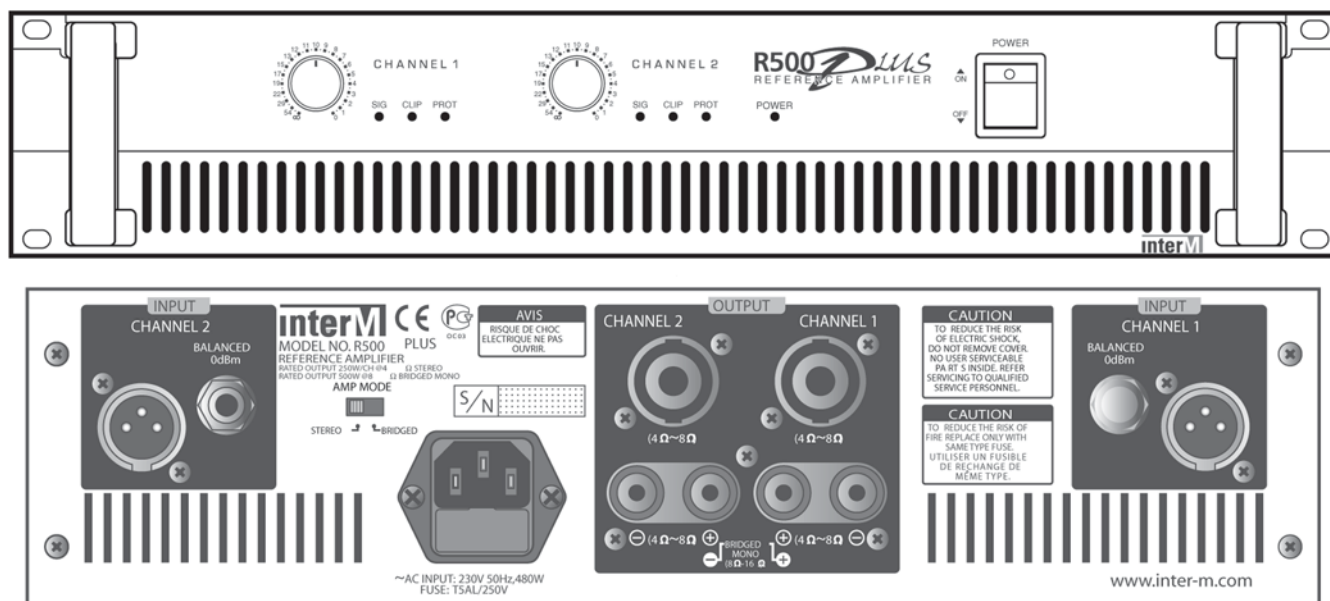
The unit shall meet the following performance criteria:

Frequency response shall be from 20Hz to 20kHz ± 0.5 dB; total harmonic distortion shall be less than 0.05%; and input sensitivity and impedance shall be 0.775V@10kΩ. Residual noise shall be less than -80 dB and channel separation shall be greater than 70 dB with a damping factor greater than 100.

The R-150/300/500 PLUS amplifier shall measure 19"(482mm) wide x 3.5"(88mm) high x 8.3"(210mm) deep and shall be powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements).

The dual-channel power amplifier shall be an Inter-M model R-150/300/500 PLUS.

R-150/300/500 PLUS Front and Rear Views



Inter-M Americas, Inc. • 1 E. Beacon Light Lane • Chester, PA 19013
Tel: 610-874-8870 • Fax: 610-874-8890 • E-mail: info@inter-m.net
Website: www.inter-m.net

Inter-M Corp. (Korea) • 653-5 Banghak-Dong • Dobong-Ku • Seoul • Korea
Tel: 82-2-2289-8140~8 • Fax: 82-2-2289-8149 • E-mail: export@inter-m.com
Website: www.inter-m.com