



Dual-Channel Power Amplifier

R-150/300/500

Features

- R-150: 150W@8Ω Bridged Mono
- R-300: 300W@8Ω Bridged Mono
- R-500: 500W@8Ω Bridged Mono
- Frequency Response
20Hz- 50kHz, ±0.5dB
- Convection Cooled
- Soft Start Protection System
- Balanced 10kΩ@0.775V Inputs
- <0.03% Total Harmonic Distortion
- Extensive Protection Circuitry
- Signal, Protection, Clip Indicators
- Rack Mount



Description

The R-150/300/500 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-series amplifiers are powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements) and are packaged in a 3.5" (2RU) or 5.25" (3RU) rack mount enclosures.

Technical Specifications

ELECTRICAL		R150	R300	R500
Power Output	4Ω Stereo	75W + 75W	150W + 150W	250W + 250W
	8Ω Stereo	50W + 50W	100W + 100W	160W + 160W
	8Ω Bridged Mono	150W	300W	500W
Input Sensitivity/Impedance		0.775Vrms/10kΩ, Balanced		
Frequency Response (±0.5dB)		20Hz - 50kHz		
THD		<0.03%		
Damping Factor		> 100		
GENERAL				
Power Source		100-120VAC or 220-240VAC 50/60Hz		
Power Consumption		140W	210W	330W
Weight		20.1lbs.	22lbs.	36.4lbs.
		7.5kg	8.2kg	13.6kg
Dimensions (W x H x D)		19" x 3.5" x 8.3"		19" x 5.25" x 11"
		482mm x 88mm x 210mm		482mm x 132mm x 280mm

R-150/300/500 Architects and Engineers Specifications

The power amplifier shall be a dual-channel unit capable of 150W/R-150, 300W/R-300, or 500W/R-500 RMS per channel (bridged-mono) @8Ω. 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:

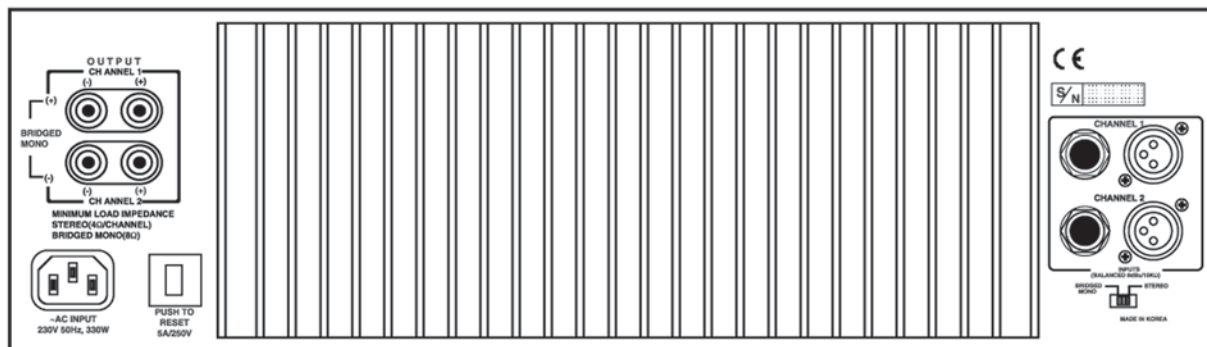
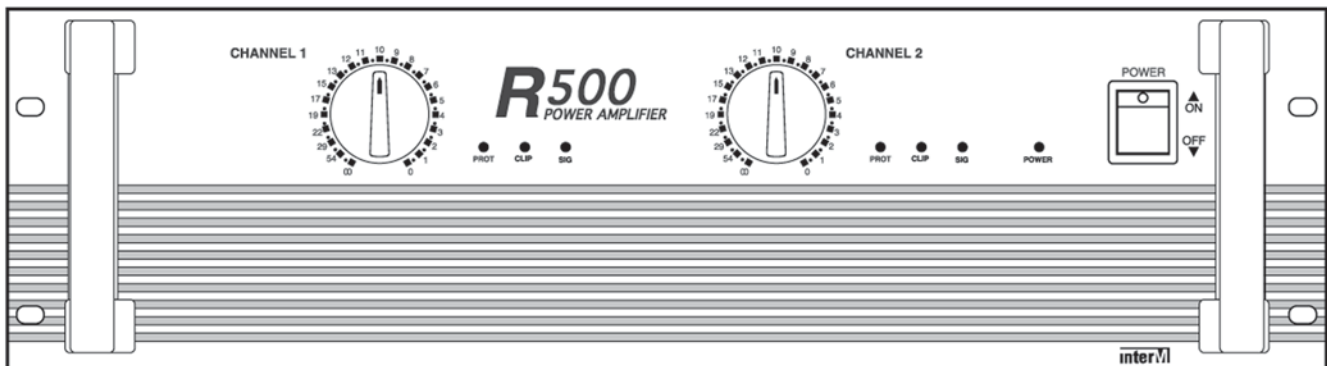
Frequency response shall be from 20Hz to 50kHz ± 0.5 dB; total harmonic distortion shall be less than 0.03%; and input sensitivity and impedance shall be 0.775V@10kΩ.

The R-150/300 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 R-500 amplifier shall measure 19"(482mm) wide x 5.25"(132mm) high x 11"(280mm) 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.

R-150/300/500 Front and Rear Views



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