



RAM Audio®

RX Series

Concept Power Amps

Technical Specifications		RX-600	RX-1000	RX-1500	RX-2000	RX-3000
Output Power						
Continuous Average Power						
RMS, 1kHz, 1.0% THD+N						
@ 2Ω	2x 340 W	2x 650 W *	2x 900 W *	2x 1250 W *	2x 1650 W *	
@ 4Ω	2x 300 W	2x 500 W	2x 750 W	2x 1050 W	2x 1450 W	
@ 8Ω	2x 190 W	2x 350 W	2x 500 W	2x 650 W	2x 1000 W	
Bridge @ 4Ω	680 W	1300 W *	1800 W *	2500 W *	3300 W *	
Bridge @ 8Ω	600 W	1000 W	1500 W	2100 W	2900 W	
<i>Pink Noise 12dB Crest Factor</i>						
@ 2Ω	2x 530 W	2x 900 W *	2x 1200 W *	2x 1600 W *	2x 2200 W *	
@ 4Ω	2x 380 W	2x 680 W	2x 970 W	2x 1350 W	2x 2000 W	
@ 8Ω	2x 220 W	2x 400 W	2x 575 W	2x 870 W	2x 1225 W	
Frequency Response						
Power Bandwidth ±0.5dB	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	
Total Harmonic Distortion						
20Hz-20kHz	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	
Intermodulation Distortion						
SMPTE	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	
Damping Factor						
20Hz-500Hz @ 8Ω	>200	>200	>200	>350	>350	
Voltage Gain	32 dB	32 dB	32 dB	32 dB	32 dB	
Sensitivity						
Rated Power @ 8Ω	1 V	1.3 V	1.6 V	1.8 V	2.25 V	
Signal-to-Noise Ratio						
Unweighted	96 dB	99 dB	101 dB	106 dB	108 dB	
A weighted	101 dB	104 dB	105 dB	108 dB	110 dB	
Required Mains						
230V AC - 50Hz						
@ 4Ω, (1/8 rated power)	2.2 A	2.6 A	3.6 A	4.5 A	5.5 A	
Dimensions						
W x H x D (mm)	483x88x215	483x88x215	483x88x215	483x88x215	483x88x215	
W x H x D (inches)	19x3.5x8.5	19x3.5x8.5	19x3.5x8.5	19x3.5x8.5	19x3.5x8.5	
Weight						
Net (Kg-Lbs)	10-22.1	10.5-23.2	11-24.3	12-26.5	13.5-29.8	
Protections						
Soft-start, Turn-on Turn-off transients, Muting at turn-on, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, Power Transistors SOA Guard, ICL™ Clip limiter (RX2000 & RX3000)						

* Limited by SOA Guard Protection

Manufactured in the EEC by C.E. Studio-2 sl
Pol.lnd. La Lloba - C/ Sierra Perenxsa, nº 28
46960 Aldaya - Valencia - SPAIN
Phone: +34 96 127 30 54 - Fax: +34 96 127 30 56
<http://www.ramaudio.com> e-mail: support@ramaudio.com





The RAM Audio RX Series, is the result of an in depth study, in order to reach the best compromise between economy and dependability. These units, fully manufactured in our Spanish factory, offer extremely high value, while maintaining the features and reliability users can expect from our products.

This series comprises five models cased in an improved rugged steel chassis. All feature twin stereo amplifiers in a completely new design, able to meet any professional requirement with a reasonable investment.

Our main concern when designing these devices, has been to add to our existing offer, economical, powerful and reliable amps with many of the features our clients appreciate in our current models.

RX Series are a project based on a mono-block approach offering an all-in-one power module that contains the entire amplifier assembly excluding only the toroidal transformer. This topology offers the best quality and reliability avoiding effectively several inter-connections between the different circuits. The transformer location in one side, allows to shorten to the minimum the cooling tunnel built by the power heat sinks, the fan and the intake and exhaust grills.

The cost-effective RX Series amplifiers are packed with solid and convincing arguments for the professionals researching quality, reliability and value.

Not obvious at first sight but definitely present, there is an ensemble of high quality electronics bundled inside the RX Series that provides the user with the same sound quality and field reliability that may be expected from high-end products such as: rugged and powerful power supply, high power dissipation reserve, low distortion, negligible noise and effective protection systems to overcome abusive or less-than-normal use.

Features

- Rugged reinforced steel chassis with double sheeted front panel
- Ultra-compact and lightweight 2-U high, around 11kg and 20cm deep
- Neutrik® XLR input and link connectors
- Neutrik® Speakon® output connectors
- Dual or Bridge mode selector
- True Clip indicator per channel
- Continuously variable, temperature controlled, back to front cooling fan
- Power transistors safe operation guard: this includes protection into very low impedances; highly reactive loads and permanent shortcircuits
- ICL™ Clip limiter provided in RX2000 & RX3000 models to avoid excessive clipping but maintaining the signal dynamics

SMD Technology has been used, for added reliability, ease of production and overall assembly economy.



Functional INPUT/OUTPUT Section featuring dual Neutrik XLR for signal linking and Neutrik Speakon for Bump and Bridge modes.



All-in-one, connectorless, single printed circuit board for utmost reliability and rapid servicing.



Four independent Heat-sink units are tunnelled in a back to front forced air flow, for an efficient dissipation.