🖽 RAM Audio

S Series



- Instantaneous High Flow QuantaPulse EVO Power Supply
- Ultra-compact and lightweight 2-U high
- Laser cut aluminium front panels with integrated carrying handles
- Neutrik[®] XLR input connectors, input and signal link in 2 channel models
- Input Link switch: allow daisy-chaining of one channel input signal to another adjacent channel
- Neutrik[®] Speakon[®] output connectors
- Detented sealed potentiometers for easy recall of volume settings
- ICL, PMS, Hi-temp, Signal indicators per channel

- Highly versatile with multiple configuration possibilites and module options (Analog Xover, DSP, GPIO)
- Optional low latency 24bits 120dB DSP with post-DSP signal links
- Switchable ICL clip-limiters per channel
- Switchable (30-50 Hz) sub-sonic highpass filter per channel
- Three-position gain selector (26, 32 or 38 dB)
- Dual or Bridge mode operation
- Twin continuously variable, temperature controlled, back to front cooling fans
- Oversized power components (high SOA reserve specification)

Modern power amplifiers have developed into light, powerful, versatile, rugged and reliable instruments designed to keep working in the most arduous conditions. At RAM Audio, we have an enviable reputation in the industry, and continue to stay at the forefront of audio design by offering our many customers all those concepts combined with the following major advantage: a sensible price level for our pedigree products.

This is made possible by our constant development of state-of-the-art designs, together with meticulous component selection and rigorous supervision of assembly quality.

The S Series of RAM Audio amplifiers distils all these features to fulfill all your needs, whether you're starting a P.A. amplifier project from scratch, or you need to upgrade your present sound reinforcement equipment. In the S Series amps, you'll find five 2-channel models and five 4-channel models, all offering plentiful power levels at low distortion in the range of 1.5 to 6 kilowatts, yet weighing in around 8 kilos and 30 cm deep.

OUTPUT POWE	R \$1500	S2000	S3000	S4000	S6000	S3004	S4004	S4044	S6004	S6044
2 Ohm	2x975W	2x1360W	2x2060W	2x2460W	2x4225W	4x890W	4x1170W	-	4x2080W	-
4 Ohm	2x610W	2x880W	2x1240W	2x1600W	2x2600W	4x580W	4x820W	4x1230W	4x1280W	4x2110W
WEIGHT	8kg-17.6lb	8kg-17.6lb	8.5kg-18.7lb	8.5kg-18.7lb	8.6kg-18.9lb	8.5kg-18.7lb	8.5kg-18.7lb	8.5kg-18.7lb	8.6kg-18.9lb	8.6kg-18.9lb
DEPTH	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"	31cm-12.2"



S Technical Specifications

	S-1500	S-2000	S-3000	S-4000	S-6000	S-3004	S-4004	S-4044	S-6004	S-6044
Output Power*										
@ 2Ω	2x975W	2x1360W	2x2060W	2x2460W	2x4225W	4x890W	4x1170W	-	4x2080W	-
@ 4Ω	2x610W	2x880W	2x1240W	2x1600W	2x2600W	4x580W	4x820W	4x1230W	4x1280W	4x2110W
<u>@</u> 8Ω	2x340W	2x500W	2x680W	2x900W	2x1540W	4x320W	4x510W	4x830W	4x770W	4x1360W
Bridge @ 4Ω	1x1950W	1x2720W	1x4120W	1x4920W	1x8450W	2x1780W	2x2340W	-	2x4160W	-
Bridge @ 8Ω	1x1220W	1x1760W	1x2480W	1x3200W	1x5200W	2x1160W	2x1640W	2x2460W	2x2560W	2x4220W
Frequency Response										
Power Bandwidth ±0.25dB	20Hz-20kHz									
Phase Response										
@ 1 watt 20Hz-20kHz					±15 deg					
Total Harmonic Distortion										
20Hz-20kHz					<0.05%					
Intermodulation Distortion										
SMPTE					<0.05%					
Damping Factor										
20-500Hz @8Ω					>500					
Crosstalk										
20Hz-20kHz					>75 dB					
Voltage Gain	age Gain 26/32/38 dB									
Sensitivity										
Rated Power @ 8Ω (V)	2.6/1.3/0.6	3.0/1.5/0.8	3.6/1.8/0.9	4.0/2.0/1.0	5.0/2.5/1.3	2.6/1.3/0.6	3.0/1.5/0.8	3.7/1.9/0.9	3.5/1.8/0.9	5.0/2.5/1.3
Signal-to-Noise Ratio										
20Hz-20kHz	112 dB	113 dB	115 dB	116 dB	118dB	112dB	113dB	116dB	116dB	118dB
Required AC Mains										
230 V - 50 Hz (idle)	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A
@ 4 Ω (1/8 rated power)	4 A	4.8 A	6.2 A	7.5 A	10.5A	6 A	7.5 A	11A	10.5A	15A
Dimensions										
WxHxD (mm)	483x89x310									
W x H x D (inches)										
Weight										
	8-17.6	8-17.6	8.5-18.7	8.5-18.7	8.6-18.9	8.5-18.7	8.5-18.7	8.5-18.7	8.6-18.9	8.6-18.9
Net (Kg- Lbs)	0-17.0	0-17.0	0.5-10.7	0.0-10.7	0.0-10.3	0.0-10.7	0.0-10.7	0.0-10.7	0.0-10.3	0.0 10.0

Soft-start, Turn-on Turn-off transients, Muting at turn-on, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, Overloaded power supply, ICL™, PMS™, SSP™

*All channels driven, full bandwidth P.N. 12dB C.F.



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