

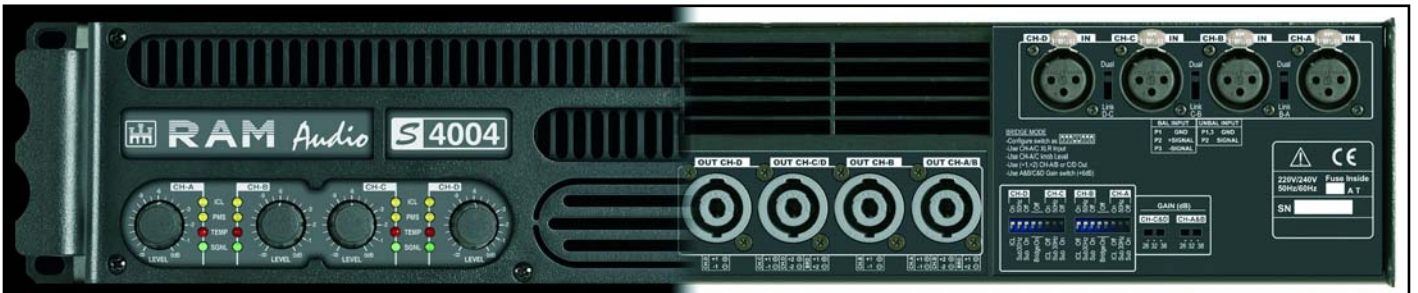


Technical Specifications

	S-1500	S-2000	S-3000	S-4000	S-3004	S-4004
Output Power						
<i>RMS, 1kHz, 1.0% THD+N</i>						
@ 2Ω	2x 880 W	2x 1190 W	2x 1570 W	2x 1950 W	4x 700 W	4x 980 W
@ 4Ω	2x 575 W	2x 790 W	2x 1100 W	2x 1380 W	4x 500 W	4x 670 W
@ 8Ω	2x 325 W	2x 460 W	2x 630 W	2x 810 W	4x 300 W	4x 430 W
Bridge @ 4Ω	1760 W	2380 W	3140 W	3900 W	2x 1400 W	2x 1960 W
Bridge @ 8Ω	1150 W	1580 W	2200 W	2760 W	2x 1000 W	4x 1340 W
<i>Pink Noise 12dB Crest Factor</i>						
@ 2Ω	2x 975 W	2x 1360 W	2x 2060 W	2x 2460 W	4x 890 W	4x 1170 W
@ 4Ω	2x 610 W	2x 880 W	2x 1240 W	2x 1600 W	4x 580 W	4x 820 W
Frequency Response						
Power Bandwidth ±0.25dB	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz
Phase Response						
@ 1 watt 20Hz-20kHz	±15 deg	±15 deg	±15 deg	±15 deg	±15 deg	±15 deg
Total Harmonic Distortion						
20Hz-20kHz	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%
Intermodulation Distortion						
SMPTE	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%
Damping Factor						
20-500Hz @8Ω	>500	>500	>500	>500	>500	>500
Crosstalk						
20Hz-20kHz	>75 dB	>75 dB	>75 dB	>75 dB	>75 dB	>75 dB
Voltage Gain						
	26/32/38 dB	26/32/38 dB	26/32/38 dB	26/32/38 dB	26/32/38 dB	26/32/38 dB
Sensitivity						
Rated Power @ 8Ω	2.6/1.3/0.6 V	3.0/1.5/0.8 V	3.6/1.8/0.9 V	4.0/2.0/1.0 V	2.6/1.3/0.6 V	3.0/1.5/0.8 V
Signal-to-Noise Ratio						
20Hz-20kHz	112 dB	113 dB	115 dB	116 dB	112dB	113dB
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
@ 4Ω (1/8 rated power)	4 A	4.8 A	6.2 A	7.5 A	6 A	7.5 A
Dimensions						
W x H x D (mm)	483x89x310	483x89x310	483x89x310	483x89x310	483x89x310	483x89x310
W x H x D (inches)	19x3.5x12.2	19x3.5x12.2	19x3.5x12.2	19x3.5x12.2	19x3.5x12.2	19x3.5x12.2
Weight						
Net (Kg- Lbs)	8-17.6	8-17.6	8.5-18.7	8.5-18.7	8.5-18.7	8.5-18.7
Protections						
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™						

Features

- Ultra-compact and lightweight 2-U high, around 8 kg and 30 cm deep.
- Laser cut aluminum 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 the one channel input signal to other channel.
- Neutrik® Speakon® output connectors.
- Detented sealed potentiometers for easy recall of volume settings.
- ICL, PMS, Hi-temp, Signal indicators per channel. Power on and Stand-by leds.
- Highly versatile with multiple configuration possibilities and additional module options.
- Switchable ICL clip-limiters per channel.
- Switchable and selectable (30 or 50 Hz) sub-sonic highpass filter per channel.
- Three-position gain selector (26, 32 or 38 dB).
- Dual or bridge mode selector.
- Twin continuously variable, temperature controlled, back to front cooling fans.
- Oversized power components (high SOA reserve specification).



Protections

- **PMS™: Power Management System.** This is a complete set of protections that monitors the main amp parameters, in order to draw from the power supply only the precise amount of current required to maintain safe operation during hazardous or extreme working conditions. This system controls the amount of power that the amp delivers under two basic circumstances:
 - When internal temperatures rise to near thermal shutdown point due to unfavourable operating conditions. Here the system takes control, restricting current so as to maintain operational continuity at the precise power level which the amp is capable of withstanding at that particular moment.
 - Excessive mains current consumption: this event only occurs either under laboratory conditions (longterm sinusoidal signal testing with dummy loads) or, in field applications, in conditions of prolonged acoustic howl-round. Here PMS™ takes control to avoid any damage to the speakers and to prevent the mains breaker from tripping or the fuse blowing.
- **SSP™: SOA Sentry Protection** effectively limiting the power that the amp could deliver into an incorrect load or to a direct short-circuit. This avoids power transistor failure.
- **ICL2™: improved Intelligent Clip Limiting**, to avoid speaker failure and provide more acceptable sound quality even when clipping occurs. With the ICL™ system you don't lose the music punch but the speakers are kept under control.