RAM Audio®

V/W Series

- PFC QuantaPulse™ Regulated Dual SMPS
- Digital Control with extra large LCD display user interface
- Channel Temperature and Output Level Monitor in the LCD
- USB port for firmware update and DSP control
- 25 position Gain, Bridge mode, Input Links and ICL, front panel configurable
- Digital Potentiometers with Encoder control
- RAM Audio Power Management System
- Hi Efficiency, Heavy Duty Audio Power section for extreme use
- Easily removable front panel dust filters
- Efficient front to back cooling
- Optional low latency 24bits high performance FIR DSP with post-DSP signal links and Ethernet control
- Optional RAM OCS Ethernet monitor and control system
- Optional Dante™ Networking and AES3 Digital input
- Industry standard Neutrik® XLR and Speakon® connectors

RAM Audio® introduces this new generation of professional touring amplifiers based on the field proven QuantaPulse™ Technology: V Series / W Series (with only aesthetic differences).

These new devices feature two or four channel models, ready for rough handling in the touring world. For this purpose, V/W Series amps implement oversized high efficiency regulated power supply with PFC front end to deliver their full performances independently of mains status.

This together with oversized high efficiency audio power stage, forced front to back cooling through a component-free path with removable front panel dust filters, improved rugged mechanical design with even weight distribution, full digital control from LCD display on the front panel… Resulting in: just power, reliability and robustness for your touring gigs!

OUTPUT POWER	V-6000	V-9000	V-9004	V-9044	V-12004	V-12044
2 Ohm	2x 3025 W	2x 4400 W	4x 2260 W	-	4x 3025 W	-
4 Ohm	2x 1600 W	2x 2300 W	4x 1150 W	4x 2200 W	4x 1600 W	4x 2950 W
WEIGHT	10kg-22.1lb	12kg-26.5lb	12kg-26.5lb	12kg-26.5lb	12kg-26.5lb	12kg-26.5lb
DEPTH	46cm-18.1”	46cm-18.1”	46cm-18.1”	46cm-18.1”	46cm-18.1”	46cm-18.1”

Technical Specifications

	V-6000	V-9000	V-9004	V-9044	V-12004	V-12044
Output Power (1kHz, 1.0% THD+N)						
@ 2W	2x 3025 W	2x 4400 W	4x 2260 W	-	4x 3025 W	-
@ 4W	2x 1600 W	2x 2300 W	4x 1150 W	4x 2200 W	4x 1600 W	4x 2950 W
@ 8W	2x 820 W	2x 1200 W	4x 600 W	4x 1150 W	4x 820 W	4x 1550 W
Bridge @ 4W	6050 W	8800 W	2x 4520 W	-	2x 6050 W	-
Bridge @ 8W	3200 W	4600 W	2x 2300 W	2x 4400 W	2x 3200 W	2x 5900 W
Frequency Response						
Power Bandwidth ±0.25dB			20Hz-20kHz			
Total Harmonic Distortion						
20Hz-20kHz			<0.05%			
Intermodulation Distortion						
SMPTE			<0.05%			
Damping Factor						
20-500Hz @8W			>500			
Crosstalk						
20Hz-20kHz (typical)			>70dB			
Voltage Gain			26dB to 38dB (0.5dB steps)			
Sensitivity						
Rated Power (26/32/38dB Gain)	4/2/1 V	4.9/2.5/1.2 V	3.5/1.7/0.9 V	4.8/2.4/1.2 V	4.1/2/1 V	5.6/2.8/1.4 V
Signal-to-Noise Ratio						
20Hz-20kHz	113dB	115dB	112dB	115dB	113dB	116dB
Required AC Mains						
Operating Voltage (50Hz-60Hz)			90V-265V AC			
Power On Idling (@230V)	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A
1/8 Rated Power (@230V min. Z)	7 A	10 A	11 A	10 A	14 A	13 A
(Consumptions at 120V AC will be double)						
Dimensions						
W x H x D (mm)			483x89x460			
W x H x D (inches)			19x3.5x18.1			
Weight						
Net (Kg-Lbs)	10-22.1	12-26.5	12-26.5	12-26.5	12-26.5	12-26.5
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, Mains Overvoltage, ICL™, PMS™, SSP™ and FCM™						

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