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Switching Power Amplifier

Power Punch Performance



Amplifier

S-8.0 Switching Power Amplifier

The IVA S-8.0 Amplifier is designed for high operating efficiency and accurate sonic performance across the full audio bandwidth, even under stressful conditions. S8.0 incorporates various protection features to safeguard both internal circuitry and the connected loudspeakers. This proven combination of advance technological design, quality construction, and comprehensive circuit protection guarantees a powerful output, superb audio performance and fail-safe reliability.



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S-8.0 Switching Power Amplifier

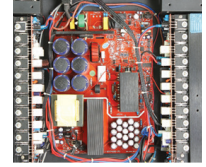
Performance

- 2 ohms impedance capability
- High power switching power supply for power efficiency and light-weight
- Neutrik Input and Output Connectors for optimum connection integrity

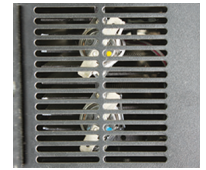
Protection

- LX Clip limiting circuit for clip protection
- IGM Impedance Sensing to allow amplifier to operate in low impedance loads
- Auto Ramp Protection and DC Voltage Protection against speaker damage
- LRS Short Circuit Protection against output short circuit
- Thermal Protection against overheating
- Subsonic Frequency Protection against ultra low frequency overload

Highlights



Switching Power Supply



Heat Sensor



SPECIFICATIONS

		S - 8.0
Rated Power (20-20kHz < 0.1% THD)	4 ohm bridge	3200 W
	8 ohm bridge	2400 W
	2 ohm stereo	2 x 1600 W
	4 ohm stereo	2 x 1200 W
	8 ohm stereo	2 x 800 W
Protection System	DC Protection	
	Smart Overheat management	
	Overheat Protection	
	Input Overload Protection	
	Output Overload Protection	
	Soft Startup Protection	
	Limiter Protection	
Frequency Response (1W 8 ohm)		20 Hz - 20 kHz (+/- 0.5 dB)
Sensitivity (8 ohm 1 kHz)		0.775V / 36 dB / 32 dB
Connectors	Input	2 x NEUTRIK male XLR & female XLR
	Output	2 x NEUTRIK Speakon 4P
Filter capacitor capacity		2200 uF / 200V x 6
Input Impedance	Balanced	20 Kohm
	Unbalanced	10 Kohm
Crosstalk (20 Hz - 20 kHz, Rated power 8 ohm)		>60 dB
S/N ratio (Rated Power 8 ohm, A-weighted)		>102dB
Damping Factor (1 kHz & 8Ohm)		>500
Intermodulation distortion (20Hz - 20kHz, ½ power)		<0.05%
Total harmonic distortion	Rated Power 8 ohm, 20 Hz - 20 kHz	<0.05%
	Rated Power 8 ohm (-3dB), 20 Hz -20 kHz	<0.03%
Phase response (1W & 8 ohm, 20 Hz -20 kHz)		20Hz+4 deg ,20kHz-12 deg
Slew Rate		>45V/us
Output Circuitry		CLASS 2H
Power Consumption (Dual CH driven 4 ohm, 1/8 RMS / 240V)		3.3A
Rack Space		2U
Cooling		Back to front venting, mandatory cooling
Dimensions (W x H x D)		463 x 88 x 456 mm
Net Weight		14.5 kg

* Reserves the right to make changes or improvements in manufacturing or design which may affect specification