

Class-D Amplifier



TSG-D4120RJ/D4240RJ/D4500RJ

Four Channel Class-D Power Amplifier

Compliant to EN-54 | 1U Rack mountable | Switching power technology | Four channels
| Built-in auto standby

The TSG-D4120RJ/D4240RJ/D4500RJ is a family of 1U, rack mountable, high efficiency class D amplifier with 04 independent amplifier units integrated in a single chassis for 100V distributed loudspeaker systems & low impedance 8 Ohm. The digital class-D four channel power amplifier is of switching power technology, which features of minimum power consumption & higher efficiency up to 90%. There are four balanced inputs by phoenix connector for each channel with gain control. The built-in four channel separate high-pass filters could be enabled or disabled through the dip switch pre-setting. Automatic standby enables after no detection of signal input for one minute, immediately wake up at sight of any input. Protected from short circuit, overload, high temp, clip, and DC protection. Separate indicators for protection, clip, input and output



Technical Specifications

MODEL	TSG-D4120RJ	TSG-D4240RJ	TSG-D4500RJ
Rated Power	4x120W	4x240w	4x500W
Power Consumption	550W	1100W	2100W
Amplifier output	100V & 8 Ohm		
Audio Input	0.775V, 0dBu, balanced phoenix connector		
Frequency Response	L/H Cut OFF 20Hz-20KHz (+1/-2dB), L/H Cut ON 70Hz-10KHz (+1/-3dB)		
Amplifier Technology	Class D with >90% efficiency		
Input Impedance	10KΩ		
Signal to Noise Ratio	>90dB		
Total Harmonic Distortion	<0.1% (1KHz / -3dBv,100W)		
Operating temperature	-10°C to +55°C		
Power supply	230V AC & 24V DC, 50-60Hz		
Dimension (WxHxD)	484x44x370 mm		
Weight	5.4kg	5.6kg	5.8kg

Products are continually improved. All specifications are subject to change without prior notice | V1.1 | 04062024 | For more information, contact techsupport@tsgaudioinnovation.com