

**2/4-Channel 1U Rack-Mount Digital Power Amplifier**
**Description**

Available in 2-channel and 4-channel models, this series of 1U Rack-Mount Digital Audio Power Amplifier features advanced full-bridge switching power supply and Class-D amplification technology, delivering high efficiency, low distortion, and stable performance. Ideal for professional audio, conference systems, and live venues.

**Features**

- ▶ **Full-Bridge Power Supply:** With imported magnetic transformer for strong anti-saturation capability, high efficiency, stable performance, and reduced weight.
- ▶ **Efficient Heat Dissipation:** Optimized airflow design with aluminum heat sinks and variable speed fans ensures reliable low-temperature operation.
- ▶ **Comprehensive Protection:** DC, overload, short circuit, and thermal protection, with built-in fuse and soft-start function to prevent current impact.
- ▶ **High Audio Quality:** Low distortion, wide frequency response, and low noise. Clear highs, smooth mids, and powerful lows, with clip limiter to protect speakers.

**2 Channels**

**4 Channels**


Model	D-2200	D-2300	D-2500	D-4200	D-4300	D-4500
Channel Number	2 Channels			4 Channels		
Input	CH1-2: 20k $\Omega$ (Balanced) / 10k $\Omega$ (Unbalanced)			CH1-2: 20k $\Omega$ (Balanced) / 10k $\Omega$ (Unbalanced)		
8 $\Omega$	2X200W	2X300W	2X500W	4X200W	4X300W	4X500W
Output 4 $\Omega$	2X300W	2X500W	2X650W	4X300W	4X500W	4X650W
BRIDGE 8 $\Omega$	600W	900W	1200W	2X600W	2X900W	2X1200W
Power Consumption	950W	1500W	2400W	1900W	3000W	4800W
Frequency Response	20HZ-20KHZ +1/-1dB					
Total Harmonic Distortion	<0.1% @8 $\Omega$ 1KHZ					
Sensitivity	0.775V/1.4V					
S/N Rate	100dB					
LED Indicator	Protect (Red) / Clip (Yellow) / Signal (Green)					
Operating Temperature/	0 $^{\circ}$ C ~ +40 $^{\circ}$ C					
Humidity (at non-condensing)	(90% RH, non-condensing)					
Finish	Panel: Aluminium plate, silver and black; Case: steel plate, black					
Channel Isolation	60dB (8 $\Omega$ / 1KHZ)					
Damping Factor	350: 1/8 $\Omega$					
Slew Rate	28V/us					
Cooling	Exhaust fan cooling			Air flows from the left to the right		
Dimensions (WxDxH)	482x330x44mm					
Net Weight	4.2KG	4.3KG	4.5KG	5.2KG	5.3KG	5.5KG