



SD-2350/SD-2500/SD-2650/SD-2800

2 Channel Class-D Digital Power Amplifier



This Series power amplifier is a new milestone in amplifier development.

Advanced Class D PCB module and SMPS power supply module are used to obtain high efficiency and stability . It has very high power density, which makes the amplifier to reach powerful output in a very small shell space.

Features

1. Both 2 channel and 4 channel models are available.
2. PFC built - in to get universal operating voltage 90-265VAC for the amplifier . No worry about unstable power voltage in operation.
3. Compact structure in only 1U height and light weight , easy to move and install.
4. Fixed switch frequency Class D PCB module.
5. Soft resonant Switching power supply LLC module.
6. High efficiency loud speaker EMF absorption system.
7. Unique peak clipping limiter and ripple Elimination.
8. LOW electricity consumption.
9. Nice cooling system with quality fans to make wind flow front to the rear.
10. Accurate volume control, switch on/of, signal, clip and protection LED light in front panel.
11. Multiple automatic protection against direct current, over heat, over load, on/of switching, RF, and amplitude limit.
12. XLR balance input and professional SPEAKON output connectors.
13. Stereo, bridge and mono mode selection.
14. Good for applications that need strong power output.



Specification

Model	SD-2350	SD-2500	SD-2650	SD-2800
Channel number	2 channel	2 channel	2 channel	2 channel
8Ω stereo output	2X350W	2X500W	2X650W	2x800W
4Ω stereo output	2X580W	2X800W	2X1050W	2x1300W
2Ω stereo output	2X1100W	2X1100W	2X1250W	2x1500W
8Ω bridge power	1160W	1600W	2100W	2600W
4Ω bridge power	1600W	2200W	2800W	3300W
Circuit Category	Class D	Class D	Class D	Class D
Voltage Gain	40.8/38.6/32	40.8/38.6/32	41.2/39/32	42.7/40.5/32
Total Harmonic Distortion	≤0.035% (@ 8Ω, 1kHz, 1/8 rated power)			
Intermodulation Distortion IMD	≤0.15% (@ 8Ω, 1kHz, 1/8 rated power)			
SNR	>106dB A			
Crosstalk	>40dB			
Frequency Range	10Hz to 20k Hz, +/-1dB			
Input Resistance	Balanced 20K/ Unbalanced 10K			
Damping Coefficient	≥600			
Conversion Rate	≥20v/uS			
Input Sensitivity	0.775V,0dB			
Protection Functions	Amplitude limit, and protections againts short circuit, over-load, overheat, direct current, radio-interference, on/off switching and muting.			
Control Knobs	Power On/Off switch, VOLUME control in front panel, Stereo/Bridge/Mono switch on back panel.			
LED indicators	CLIP/-10dB/SINGAL/MONO/BRIDGE/STATUS indicators in front panel			
Power Delay	4 seconds			
Input Interface	XLR input socket			
Output Interface	SPEAKON connector			
Dimension(W*H*D)mm	483*44*230			
Net Weight	5.0kg	5.5kg	5.8kg	6.2kg