

Two Channel Professional Class-D Amplifier

SP-DX280(2×850W@8Ω), SP-DX2110(2×1100W@8Ω)

SP-DX2140(2×1400W@8Ω)



Description:

The SP-DX2 series digital amplifier is a two-channel classical professional amplifier, it has inherited the high reliability and high applicability of analog amplifiers, as well as added the digital modulator circuit. It designed of switching power technology, whose advantages are without transformer for less heat generation and long life span. With a small size, it delivers big output power and outstanding sound. SP-DX2 series includes five models for your choice: the biggest model deliver RMS 2*1400W/8Ω 2*2700W/4Ω with a weight of max. 8kgs. This series applied the classical PWM circuit design and excellent protection circuit. It has high reliability and applicability, big dynamic range, small size, light weight, high efficiency, low distortion, big output power, Etc. Higher efficiency of more than 85% decrease the power electricity consumption and protect green environment.

This SP-DX2 series applied excellent power-supply design, reliable circuit, high efficiency, low distortion. It has outstanding amplification part. After years' handwork of R&D, we succeed to develop the new circuit topology. The music signal becomes more refined digital signal after the new modulation system. The new modulation mode helps to taking sample of extremely small signal, improve and perfect the method of taking samples. High switch mode frequency, precise controlling of dead-time, makes the distortion of the amplifier much lower, the sound quality reaches even passed the one of traditional transformer amplifier. This series used refined materials, used the Sanyo fans from Japan making the noise much lower.

This SP-DX2 series designed for cinema systems, smart homes, and home theaters, also ideal for meeting room, stadium, bar, theme park and train station indoor and outdoor sound system, capacity of maximum connection of six professional sound low impedance loudspeakers.

Feature:

- Powerful performance range professional eight channel class-D power amplifier.
- Ideal for cinema, club, bar, restaurant & worship building audio system.
- High efficiency SMPS and big current storage, intelligent Limiter, multi-protection functions.
- Modularization design, each channel is completely independent working without influence to other channels. The interference between channels has controlled to the minimum.
- Green technology amplifier by 85% efficiency of less power consumption.
- Higher power output, less heat generation and longer life span.
- With PWM special power circuit to ensure excellent cooling system.
- 19" universal rack mount type in 1U height design, small size, light weight, big output power.
- Support power output up to of 2*1400W/8Ω in stereo mode.
- 2 signal input connections by balanced phone jack.
- Loudspeaker outputs are connected using Speakon.
- Complete protection include clip, high temp, overload and short circuit.
- With four fans for cooling down the internal temperature.
- Visual indicator of output level meter, bridge, power, protection and clip.
- Fine materials used, imported power transistors, high frequency capacitors, imported fans.

Specification:

Model	SP-DX280	SP-DX2110	SP-DX2140
Description	Professional Power Amplifier		
Amplifier Class	Class D		
Power Output 8Ω Stereo	850W*2	1100W*2	1400W*2
Power Output 4Ω Stereo	1600W*2	2100W*2	2500W*2
Power Output 2Ω Stereo	1800W*2	2300W*2	2700W*2
Frequency Response 8Ω	20Hz~20KHz, ±0.3dB~±0.3dB		
Slew Rate	50V/μs		
THD+N	<0.3%		
IMD-SMPTE	<0.3%		
S/N Ratio	>105dB		
Crosstalk	>75dB		
Damping Factor	>800 (8Ω20HZ~200HZ)		
Input Power or Voltage	1V		
Input Impedance	20KΩ (balanced) 10KΩ (unbalanced)		
Voltage Gain	38dB	40dB	41dB
Efficiency	>85%		
Cooling	Four high-efficiency fans air flow from front to rear		
Connector	Input by XLR female, output by Speakon female		
Power Supply	AC 220~240V, 50~60Hz		
Product Dimension	483*375*44mm, 1U		
Net Weight	7Kg	7.5Kg	8Kg
Package Dimension	530(W)×90(H)×530(D) mm		
Gross Weight	8.6Kg	9.1Kg	9.6Kg