DP2240 DP4240 DP2500

Compact Multi Channel Power Amplifier (Class D)



DP2240

2 x 240W 100V Class D Amplifier



DP4240

4 x 240W 100V Class D Amplifier



DP2500

2 x 500W 100V Class D Amplifier

DP2240, DP4240 and **DP2500** are high-performance lineup of Class D power amplifiers engineered specifically for the demands of 100V line PA systems. Built ultra-compact, transformer-less design enable them to fit seamlessly into a slim 1HU rack space thus saving rack spaces.

Designed for professional installations where reliability and clarity are essential, they perform everything required from clear voice paging in corporate offices to high-fidelity background music in large retail spaces.

With built-in safeguards and Class D efficiency, these amplifiers deliver consistent, solid performance in a footprint that saves both space and energy.

Key Features

- High-efficiency Class D amplifier with **switching power supply**
- Supports **100V line and 4-16 Ohm outputs**
- Works with wide **AC input and 24V DC backup**
- Protections such as **short circuit, overload, thermal, and DC**
- **Individual balanced inputs** with separate volume control
- **Bandpass filter** to reduce unwanted bass and high frequencies
- **Auto sleep mode** to save energy when no signal is detected
- Wide frequency response from **20 Hz to 20 kHz**
- Lightweight and **transformer-less** design for easy installation
- **1HU rack-mount** design to save space

Rear Outlook

DP2240



DP2500



DP4240



Technical Specifications

	DP2240	DP2500	DP4240
Power rating	2 x 240W	2 x 500W	4 x 240W
Operating voltage	220 - 240V AC or 24V DC back up supply		
Current consumption (Load)	**Load 240V AC:** 550VA (2.3A) **Load 24V DC:** 22A	**Load 240V AC:** 1100VA (4.6A) **Load 24V DC:** 46A	
Current consumption (Standby)	**Standby 240V AC:** 0.1A **Standby 24V DC:** 0.3A		
Input (balanced audio)	2 inputs		4 inputs
Input signal (sensitivity)	0.775V rms (0 dBu) / 10k Ohm via Phoenix connectors		
Outputs	100V line and 4-16 Ohm		
4 Ohm output voltage	38V		
Output impedance (max load)	40 Ohm / Channel	20 Ohm / Channel	40 Ohm / Channel
S/N ratio	>80 dB @ 1 kHz, 1V		
THD + Noise	<1% @ 1 kHz ± 3 dB		
Frequency response	20 - 20 kHz @ 1 kHz ± 3 dB		
Bandpass filter	70 - 10 kHz		
Protections	Thermal, short circuit, overload, fuse, DC		
Cut-off temperature & Cooling	75°C, Fan-forced cooling		
Indications	LED: Protect, input audio, output and power		
Dimensions (W x H x D)	482 x 44 x 420 mm		
Net weight	5.60 kg	5.80 kg	6.00 kg

Packing Information

Carton size
555 (L) x 512 (W) x 86 (H) mm

Gross weight
DP2240 : 6.85 kg
DP2500 : 7.0 kg
DP4240 : 7.20 kg

Qty/carton
1 unit per carton