

AMP-4120

4-Channel Class D Power Amplifier

The AMP-4120 is a compact, four-channel Class D power amplifier designed for professional background music and public address installations. With four independently adjustable 120 W channels, it supports both 100 V distributed loudspeaker systems and 8-ohm speaker loads.

Key Features

- 4 × 120 W rated output power
- 100 V and 8 Ω speaker outputs
- Individual volume control for each channel
- Balanced Phoenix inputs on all four channels
- Compact 1U rack-mount chassis
- LED level meters and speaker short-circuit protection
- High-efficiency Class D amplification (80–90%)
- Independent channel isolation for improved reliability

Technical Specifications

Model	AMP-4120
Amplifier type	4-channel Class D
Rated output power	4 × 120 W RMS
Speaker outputs	100 V / 8 Ω
Frequency response, L/H cut OFF	20 Hz–20 kHz (+1 / –2 dB)
Frequency response, L/H cut ON	70 Hz–10 kHz (+1 / –3 dB)
Input sensitivity	0.775 V / 0 dBu
Input connections	4 × balanced Phoenix
Input impedance	10 k Ω
Total harmonic distortion	< 0.1% (1 kHz / –3 dBv, 100 W)
Signal-to-noise ratio	> 80 dB
Crosstalk	> 60 dB (1 kHz, max output)
Power consumption	550 W



L O U D
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Dimensions (W × D × H)

AC 100–240 V, 50–60 Hz

484 × 420 × 44 mm

Weight

8.3 kg

Applications

Retail stores, restaurants, hospitality venues, service facilities, warehouses and other commercial audio environments.

