Datasheet

PAS-CL-A480-6Z | Multi-Zone Audio Distribution Amplifier

480W | Zone-6 | Aux-2 | Mic-4 | Rec-RCA | Emerg-Alarm







Key features

- 6-Zone Control: Independent speaker selection with attenuation.
- Versatile Inputs: Balanced channels, AUX, remote mic, and emergency alarm.
- Media Player: FM tuner, Bluetooth, and MP3 recording.
- Advanced Controls: Talkover, phantom power, chime, bypass, and mute.
- Flexible Outputs: Speaker outputs (4Ω, 70V, 100V) and RCA recording/linking.
- Remote Mic: Rj45.Emergency Alarm input: Euro block.
- Status Indicators: SIG, -10dB, CLIP, and Protect.
- Built-in Protection: Current limiting, thermal, and DC offset safety.
- Silent Cooling: Convection-based cooling system.
- Optional Rack Mount: For convenient installation.
- Media player module: PAS-MP-MIR/ PAS-MP-VRP/ PAS-MP-MMP.

Product Overview

The Macsys Multi-Zone Audio Distribution Amplifier 480W | Zone-6 | Aux-2 | Mic-4 | Rec-RCA | Emerg-Alarm series offers flexible audio distribution with individual zone volume control and multiple media player options. The amplifiers feature balanced inputs with phantom power for microphones, a talk over VOX switch, and chime integration for announcements. Protection mechanisms include output current limiting, thermal shutdown, and DC offset safeguards, ensuring reliable operation.

The units deliver clean sound with a frequency response of 65Hz to 18kHz, a total harmonic distortion under 1%, and a signal-to-noise ratio exceeding 80dB. Available power ratings range from 480W with compact rack-mountable designs. This series suits professional audio installations requiring multi-zone control and robust performance.

PAS-CL-A480-6Z | Multi-Zone Audio Distribution Amplifier

Technical Specification

Feature	Details
Rated Power Range (RMS)	480W
Front Panel	- 4 Input Channel Volume Controls + 1 Source Volume - Master Volume Control - 6-Zone Selector with 6-step Attenuator
Rear Panel	- VOX & Phantom Power (Ch. 1–4) - Chime Enable with Volume - Bypass Input & System Mute
Connectivity - Inputs	- Ch. 1–4: Electronically Balanced with Chime Switch - AUX: Dual RCA - Remote Mic: RJ45 - Emergency Alarm: Euro Block
Connectivity - Outputs	- Speaker: Euro Block (6 Ch., 4Ω, 70V, 100V) - Rec & Link Out: RCA
External Contact	Chime Trigger & Mute: Euro Block
Media Player	FM Tuner, Recordable MP3 Player, Bluetooth
Indicators	Signal, -10dB, Clip, Protect, Zone Selector
Protection	Output Limiting, Thermal, DC Offset Protection
Cooling System	Silent Convection Cooling
Rated Power	480W
Input Sensitivity/Impedance	Channel 1-4: -45dB/-6dB selectable / 20 KΩ Balanced; Aux: 0dB / 20 KΩ Balanced; Remote Mic: 0dB / 20 KΩ Balanced
Output Levels/Impedance	Hi-z: 100V (21Ω),70V(10Ω) Low-z: 43V (4Ω) Rec Out: 0dB / 600Ω Unbalanced Link Out: 0dB / 600Ω Unbalanced
Frequency Response	65Hz – 18kHz
T.H.D	<1% @ 1kHz, Rated Power
S/N Ratio	>80dB
Tone Control	±10dB @ 100Hz, 10kHz
Power Source	AC 115/230V, 50/60Hz
Weight	12 kg
Dimensions (W × H × D)	420 × 88 × 320 mm
Certifications	CE, RoHS compliance

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