



DAA-2372 C

Digital Audio Power Amplifier 2 x 600 Watts



EN 54 16

APPLICATION

- Public Address and Voice Alarm
- Background Music
- Audio Visual

AREA OF USE

- Health
- Education
- Retail
- Hospitality
- Stadiums
- Transportation
- Theme parks
- Military

OVERVIEW

The PADES® 2000 Digital Audio Matrix Dual Power Amplifier DAA-2372 C is a professional fully supervised Class D 100V dual power amplifier. The switching power supply integrated in each output stage block contributes to the additional optimization of efficiency. Its speaker outputs are designed using transformerless technology. Each of the two power amplifiers has protection circuits against overheating and self-excitation, a line inrush current limit and inrush noise suppression; it is short-circuit-proof and idling-proof. All monitoring and protection functions are indicated by via LEDs on the front display.

The rear is fitted with RJ45 and Phoenix connectors. The DAA-2372 C has integrated slots for the digital amplifier control module, 2 NF input transformers for all channels. The technology is extremely energy-saving due to its high efficiency and is characterized by low heating of the components. By using the digital emergency power input module, the DAA-2372 C can be operated with 24V emergency power. The Digital-Audio-Amplifier-Control-Module enables control and monitoring of the amplifier.

Each amplifier channel has isolated printed circuit board (PCB) with separate 24 VDC power feed. Digital Havarie Relay module (DMS-2043 B) can be installed for each duty and backup amplifier for automatic switching.

The digital selection of all input channels is done with 2 function keys and a rotary encoder tactile function. For each power amplifier channel, the operating states and the input signal are displayed via the front panel LEDs.

The integrated, automatically activated device sleep mode

enables energy consumption optimization. Operating state automatically reactivates within 50 µs after detection of user-relevant events.

As is standard with professional audio equipment, the AF signal is connected via balanced inputs and outputs. In order to eliminate ground loops and other background noise, AF input transformers are installed in the active signal paths to generate transformer-symmetrical, i.e. galvanically isolated signal transmission.

The HF shielding module protects the electronic components with system-grounded ones shielding effectively against high-frequency electromagnetic radiation.

For warranty reasons, all options can only be installed in the factory. All system components are delivered exclusively project-related. A purchase of individual components is unfortunately excluded.

PADES [®] 2000-Series

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TECHNICAL DATA

Amplifier Data

Output power (Program/RMS)	2 x 900/600W
Input sensitivity	1 x 1V, 10k Ohm, balanced
Frequency range	20 – 20,000 Hz
Signal to noise ratio	> 103 dB
Crosstalk attenuation	85 dB
Distortion	<0.29%
Equalizer	3 bands for each audio input
Control port	IO-MOD port (Only with DAA controller)
Inbuilt cooling fans	2
Temperature sensors	2
Operating temperature	-5 C° to + 50°
Power supply (main supply)	220-240 VAC, 50/60 Hz
Emergency input voltage	24V DC for each amplifier channel
IP rating	IP 30
Dimensions (W x H x D)	483 x 88 x 330 mm (2U)
Weight	7 kg



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