

DPA 1002 & DPA 1004

FEATURES

- Modern, high performance, sonically pure amplifier design
- 2 x 1250W @ 2 Ω or 2500W bridge mode @ 4 Ω (DPA 1002)
- 4 x 1250W @ 2 Ω or 2 x 2500W bridge mode @ 4 Ω (DPA 1004)
- 2 Ω and 70V / 100V Line Capability
- Full 96 kHz sampling rate DSP on board with software control
- Clean, precise, software controlled digital signal processing
- Robust and flexible two/four channel format
- Factory presets for all Outline non-powered loudspeaker products
- Complete monitoring of amplifiers and loudspeaker loads
- Extensive real time software control
- BvNET networking as standard
- USB interface



APPLICATIONS

INSTALLATIONS

Integrated amplifier and processing combined with DSP presets for Outline loudspeakers provide the perfect solution for many applications. The flexible two/four channel format is ideal for installations and built in loudspeaker processing reduces costs and increases performance.

PORTABLE SYSTEMS

Users of portable systems are also well served by DPA 1002 and DPA 1004: they will appreciate the compact design, lightweight format and the ease of matching DSP to their favourite Outline loudspeakers using carefully designed factory preset files.

LIVE PERFORMANCE

Superb sonic quality is the key characteristic of DPA 1002 and DPA 1004. Although DSP, networking and modern switch mode amplifiers are fast becoming essentials, they would mean nothing without the sound.



DESCRIPTION

Outline's DPA 1002 and DPA 1004 (Digitally Processed Amplifier) are cost effective modern power amplifiers. They bring a pure, transparent and engaging performance: everything you expect from Outline and more.

State of the art amplifiers, high performance power supplies and DSP sub systems have been developed in harmony to produce a highly integrated amplifier system. This holistic approach yields better performance by design. For example, the DSP, power supply and class D switching amplifier all operate at multiples of the same frequency, eliminating the intermodulation problems found in simple designs.

DPA 1002 and DPA 1004 provide all the features of a modern amplifier system; USB interface, software control, BvNET networking, comprehensive monitoring of both amplifier performance and loudspeaker loads. Above all these features are simple to use and based on proven Podware software with 1,000's of users around the world.

In summary DPA 1002 and DPA 1004 are a dependable, flexible power systems for Outline loudspeakers. They've have been designed with a depth of knowledge and understanding which is rarely matched in our industry and as a result achieves a standard of sound that others can only dream of.

TECHNICAL SPECIFICATIONS:

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| FREQUENCY RESPONSE | 20 Hz ÷ 20 kHz (± 0.5 dB) 4 Ω load |
| INPUT <i>DPA 1002 / DPA 1004</i> | 10 kΩ balanced |
| OUTPUT POWER (RMS program, 20 Hz ÷ 20 kHz all channels driven) | |
| <i>DPA 1002</i> (8/4/2 - Ω) | 2 x 450 / 800 / 1250 W |
| <i>DPA 1004</i> (8/4/2 - Ω) | 4 x 450 / 800 / 1250 W |
| per bridged pair | |
| <i>DPA 1002</i> (16/8/4 - Ω) | 1 x 900 / 1600 / 2500 W |
| <i>DPA 1004</i> (16/8/4 - Ω) | 2 x 900 / 1600 / 2500 W |
| SLEW RATE | > 80 V/μsec |
| THD FROM 0.1 W TO FULL POWER | < 0.05% |
| SIGNAL NOISE RATIO | 106 dB A-weighted Ref Max output 22 kHz BW |
| AUDIO INPUT CONNECTORS <i>DPA 1002 / DPA 1004</i> | 3 Pin female XLR |

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| AUDIO LINK <i>DPA 1002 / DPA 1004</i> | 3 Pin female XLR | |
| OUTPUT CONNECTORS <i>DPA 1002 / DPA 1004</i> | Neutrik Speakon NL4MP | |
| USB | Type B (peripheral type) | |
| MAINS POWER | 115 V / 230 V nominal ± 10% | |
| INPUT VOLTAGE SELECTION | Automatic | |
| WEIGHT | <i>DPA 1002</i> 9 kg (20 lb) | <i>DPA 1004</i> 10 kg (22.2 lb) |
| DIMENSIONS | | |
| Height | 88 mm (3.5") | 88 mm (3.5") |
| Width | 482 mm (19") | 482 mm (19") |
| Depth | 360 mm (14") | 360 mm (14") |

PWM POWER AMPLIFIERS