



Professional Digital Amplifier

KT-P21000



Description

This series of products is a new generation of high-power professional amplifiers, which break through the traditional technology in power supply technology, modulation technology and control technology, so that the overall performance has been substantially improved. The application of variable oscillation modulation technology, multiple feedback regulation technology and innovative output power control technology endows the amplifier with more than 95% ultra-high efficiency and excellent stability. All in all, characterized by high efficiency, stable performance, and excellent sound quality, it is specially suitable for entertainment venues, discotheques, karaokes and other places.

Feature

- * Dual-channel high-power professional digital amplifier;
- * With DC, short circuit, overload and overheat protection;
- * Using variable oscillation modulation technology, multiple feedback regulation technology and innovative output power control technology, it features more than 95% ultra-high efficiency and excellent stability;
- * Support 1V/2V sensitivity adjustment; XLR balanced input/XLR balanced LINK output; SPEAKON audio socket output;
- * With signal, power, temperature voltage limit function;
- * Three modes are optional: MONO/STEREO/BRIDGE;
- * With a temperature-controlled fan, it turns immediately when it is turned on, and accelerates as the temperature rises, and it is at full speed at about 60°C;
- * The panel is designed with Signal (green), Clip (orange), Protection (red), and Power (blue) indicators;
- * Support normal loads of 8 ohms and 4 ohms, and the minimum is 2 ohms.

Specification

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|--------------------------------|--------------------------------|
| Model | KT-P21000 |
| Output power (1kHz/THD≤1%) | Continuous power amplification |
| Stereo 8Ω×2 | 2*1000W |
| Stereo 4Ω×2 | 2*1700W |
| Stereo 2Ω×2 | 2*2900W |
| Bridge 16Ω | 2000W |
| Bridge 8Ω | 3400W |
| Bridge 4Ω | 5800W |
| Connector | XLR interface |
| Voltage gain (@1kHz) | 39dB |
| Input sensitivity | 2.2dBu(1V), 8.2dBu(2V) |
| Input impedance | 10KΩ unbalanced, 20KΩ balanced |
| Frequency response (@1W power) | 20Hz~20kHz/+3~-1dB |
| THD+N (@1/8 power) | ≤0.01% |
| SNR (A-weighted) | ≥105dB |
| Damping coefficient (@1kHz) | ≥200@8ohms |
| Separation (@1kHz) | ≥85dB |



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|---------------------------|--|
| Protection mode | Overvoltage protection, undervoltage protection, overcurrent protection, DC protection, short circuit protection |
| Indicator light | Power, Protection, Signal, Clip |
| Cooling method | Fan cooling |
| Power supply | ~220 50Hz |
| Power consumption* | 1000W |
| Dimension (L×W×H) | 483×370×44mm |
| Weight | 7.6kg |

*The power is measured at 1% THD using a 20ms pulsed 1kHz sine wave