



Model No. KE-Series

Part No. 12

DATASHEET

APPLICATION

- PA /BGM
- Entertainment Venues,
- Commercial Building
- Exhibition Centers
- Meeting Room AV Installations



Key Features

- 400*2 /600*2 watts at 8 Ohms Power Amplifier
- Flow-through air path and solid aluminum Heat sinks for maximum cooling
- Class H topology, the KE Series ideal For live sound / production applications.
- Front panel LEDs indicate status of switch settings
- Parallel XLR/M connectors for input connectivity
- Neutrik Speakon® for outputs connectivity
- 2 year warranty, plus optional 2 year extended service contract

Product Description

DAT KE- Series Power supply design

Each equipment includes independent logic high rate of power supply, which can control electrical circuit to adjust power output and voltage from time to time, and to respond the request of signal and load, so it can get the best power match under the wide range of load, so to ensure the power amplifier will not be overheating.

Power output grade-

Adopt the balance output circuit, the same as fully symmetrical Bridge Road: compared with the normal single end of land output circuit, the same work voltage can generate the output power in 4 times, that is to say, in order to get the same output power, the work power voltage of power amplifier is much lower than normal OCL model. The output power tube is with wide

safety work area under the condition of low voltage, so it is with higher power and reliability compared with normal OCL output model. Most importantly, the distortion of it is much lower and can output better tone quality.

Sign Voltage Range-

There is a limited voltage device within each input channel. By checking the output sign and controlling the input sign, so the power amplifier output will not be at the state of clipping in long time, and can protect the speaker. It can automatically control the input sign when the power amplifier is overheat, so can reduce the heat and keep safety.

Perfect protection function

Power amplifier provides various protecting function, such as .direct current protection, internal stoppage protection, input overload protection, filter of radio frequency distraction, output short circuit protection, mismatching load and high frequency overload protection, radiator and over temperature protection for radiator and transformer, over electricity protection. And the over temperature protection for output electricity is achieved by gradually lower the output signal. Only when the temperature keeps rising to the extremity, can it cut off the output electricity supply of this channel, so avoid the stop of play.

Heat dissipation system

There is an independent heat dissipation system for each channel, two groups of non-polar speed adjusted Fan. The sealed air go through the radiator to strengthen the effect of heat dissipation, and at the same time, avoid the dust and smog of stage to pollute the circuit board to ensure the equipment is in good working condition, and the temperature can get balance in some ranges.

KE-Series

Part No. 12-4002-xxx

Power Source	220 - 240 V AC
Amplification System	Class H
Finish	Panel: Aluminum Case: Plated steel sheet
Power Consumption	440 W (based on EN standards)
Input	10 kΩ -20kΩ XLR-3-31 type connector
Rated Output	1 channels: 400 W ×2 (8 ohm loader)
Frequency Response	20 Hz - 20 kHz (-3 dB)
Total Harmonic	0.1 % (1 kHz)

Distortion	0.3 % (100 Hz - 20 kHz)
Protection Circuit	Protection against excessive current flow due to overload Temperature rise at power amp. heat sink (100 °C (212 °F) or more) temperature rise at power supply heat sink (80 °C (176 °F) or more)
S/N Ratio	105 dB (A-weighted)
Crosstalk	70 dB (A-weighted)
THD+N(Rated Power,4Ω/KHz)%	0.0005
Damping Fact LED Indicator	400 Power (blue) × 1 Protect (red) × 1 Clip (yellow) × 1
Cooling	Forced air cooling
Operating Temperature	10 °C to +40 °C (14 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Dimensions	482 (W) ×44 (H) × 300 (D) mm
Weight	18 KG

Accessory

Power cord (2 m (6.56 ft)) ...1 Rack mounting screw

DPA 120

Part No. 12-2002-008

Power Source	220 - 240 V AC
Amplification System	Class H
Power Consumption	880 W (based on EN standards)
Input	10 kΩ XLR-3-31 type connector
Rated Output	2 channels: 400 W ×2 (80hms)
Frequency Response	50 Hz - 20 kHz (-3 dB)
Total Harmonic Distortion	0.1 % (1 kHz) 0.3 % (100 Hz - 20 kHz)
Protection Circuit	Protection against excessive current flow due to overload unusual DC voltage output temperature rise at power amp. heat sink (100 °C (212 °F) or more) temperature rise at power supply heat sink (80 °C (176 °F) or more)
S/N Ratio	100 dB (A-weighted)
Crosstalk	70 dB (A-weighted)
Control/Monitor	Signal control mode:
LED Indicator	Power (blue) × 1 Protect (red) × 1 Clip (yellow) × 1
Cooling	Forced air cooling
Operating Temperature	-10 °C to +40 °C (14 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Aluminum Case: Plated steel sheet
Dimensions	482 (W) ×44 (H) × 300 (D) mm
Weight	22 kg
Accessory	Power cord (2 m (6.56 ft.)) ...1 Rack mounting screw

