Professional Amplifier

TC-4500

Description

It is a new generation of high-power professional digital amplifier, which is characterized by high efficiency, stability and excellent sound quality. It has broken through the traditional technology in power technology, modulation technology and control technology, so as to substantially improve the overall performance. The application of variable oscillator modulation technology, multiple feedback control technology and innovative output power control technology endow the amplifier with over 95% ultra-high efficiency and excellent stability. And it is specially applicable to large-scale sound reinforcement venues, tour performance multipurpose halls, etc.

Feature

* Support DC, short circuit, overload and overheat protection;
* Designed with Signal (green), CLIP (orange), Fault (red), Power (blue) indicators on the panel;
* Support XLR balanced input; SPEAKON audio socket output;
* Support signal, power, temperature and other voltage limiting functions;
* Support optional three modes: MONO/STEREO/BRIDGE;
* Support optional 1V/2V sensitivity;
* With a temperature-controlled fan, it rotates as soon as it is turned on; the fan accelerates as the temperature rises, and reaches full speed at about 60℃;
* Super load capacity: support 8 ohms, 4 ohms, and minimum 2 ohms.

Specification

Model	TC-4500
Output power (1KHz/THD≤1%)	Stereo 8Ω: 4*500W; 4Ω: 4*800W; 2Ω: 4*1300W; Bridge 16Ω: 2*1000W; 8Ω: 2*1600W; 4Ω: 2*2600W
Connector	XLR interface
Voltage gain (@1KHz)	36dB
Input sensitivity	2.2dBU(1V), 8.2dBU(2V)
Input impedance	10KΩ unbalanced, 20KΩ balanced
Frequency response (@1W power)	20-20KHz/±1dB
THD+N (@1/8 power)	≤0.01%
SNR (A-weighted)	≥102dB
Damping coefficient (@1KHz)	≥200@ 8 ohms
Separation (@1KHz)	≥85dB
Protection method	Over-voltage protection, under-voltage protection, over-current protection, DC protection, short circuit protection
Indicator light	Power, Fault, Clip, Signal
Cooling method	Fan cooling
Power supply	~ 220 50Hz
Maximum power consumption	2500W
Dimension (L×W×H)	484×353×44mm
Weight	7.8kg
*** This power is measured according to the CEA-2006-B/CEA-490-A standard using a 20ms pulsed 1KHz sine wave at 1% total harmonic distortion.**	