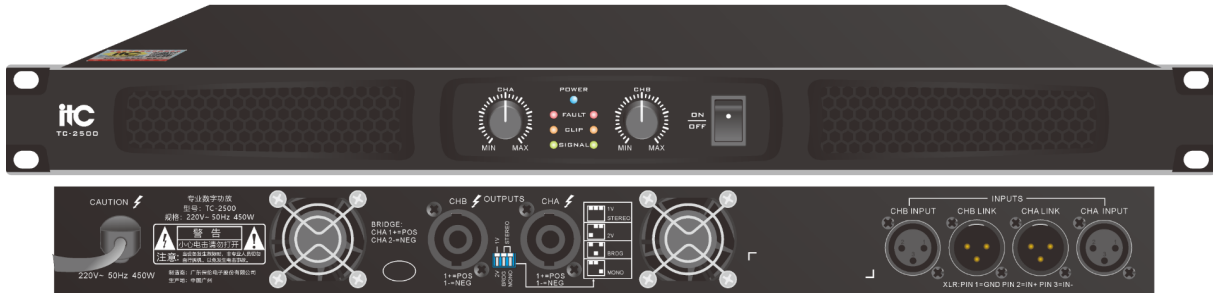




Professional Amplifier

TC-2500



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°C;
- * Super load capacity: support 8 ohms, 4 ohms, and minimum 2 ohms.

Specification

| | |
|---|---|
| Model | TC-2500 |
| Output power (1KHz/THD≤1%) | Stereo 8Ω: 2*500W; 4Ω: 2*800W; 2Ω: 2*1300W; Bridge 16Ω: 1000W; 8Ω: 1600W; 4Ω: 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, Protection, Signal, Distortion |
| Cooling method | Fan cooling |
| Power supply | ~ 220 50Hz |
| Overall power consumption | 450W |
| Dimension (L×W×H) | 484×353×44mm |
| Weight | 6.2kg |
| Notes: Output power: according to CEA-2006-B/CEA-490-A standard using 20ms pulse 1kHz sine wave measured under 1% total harmonic distortion. Overall power consumption: according to GB4943.1-2022 test method: measured under 1kHz sine wave rated load 1/8 power conditions. | |