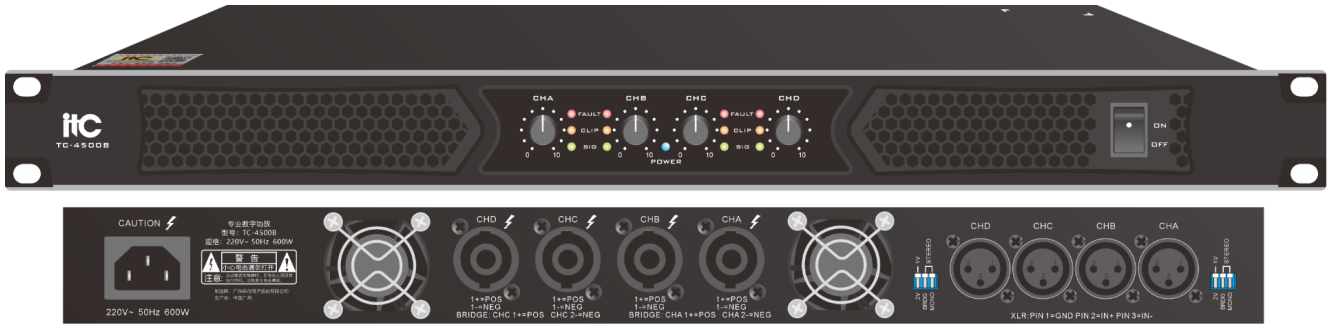




Professional Amplifier

TC-4500B



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

- *1U chassis design, small size and light weight.
- *Using high-efficiency power amplifier circuit, the output can be bridged to 8 ohms.
- *Adopt switching power supply to supply power, with overvoltage protection function.
- *Support voltage limit, over temperature protection, over current protection, output DC protection, output short circuit protection and other functions.
- *Support XLR balanced input and SPEAKON audio socket output.
- *Support optional three modes: MONO/STEREO/BRIDGE.
- *The normal load is 8Ω, and the minimum load is 4Ω.

Specification

Output power	Stereo 8Ω : 500W×4 Stereo 4Ω : 850W×4 Bridge 8Ω : 1700W
Input sensitivity	2.2dBu(1V)/8.2dBu(2V)
Input impedance	10KΩ
Frequency response (@1W power)	20Hz-20KHz ±1dB @8Ω
THD+N (@1/8 power)	≤0.01%
Separation (@1KHz)	≥80dB
Damping coefficient (@1KHz)	≥200@ 8 ohms
SNR (A-weighted)	≥100dB
Input voltage	220V~230V(50Hz)
Overall power consumption	600W
Dimension (L×W×H)	484×443×44mm
Weight	8.7Kg

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.