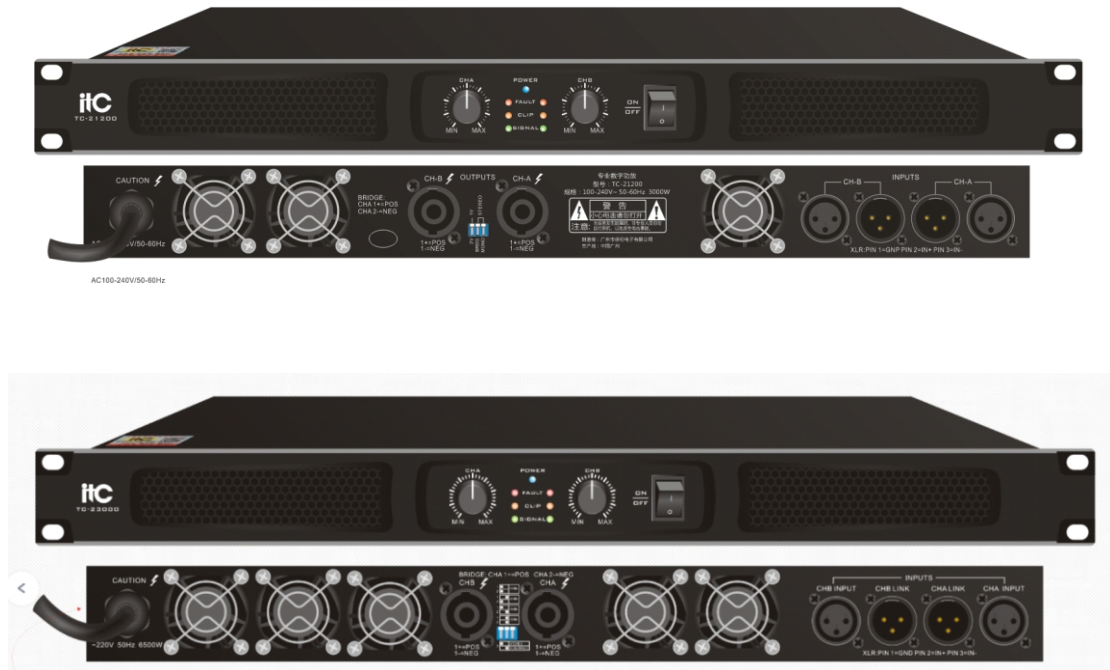




# Professional Amplifier

## TC-21000/TC-21200/TC-22000/TC-23000



### Description

This series of products is the latest generation of high-power professional digital power amplifiers, featuring high efficiency, stability and excellent sound quality, with technological breakthroughs in power supply technology, modulation technology, and control technology, which have substantially improved the overall performance. Adopt variable oscillation modulation technology, multiple feedback control technology and innovative output power control technology to achieve more than 95% ultra-high efficiency and excellent stability; It is specially designed for large-scale sound reinforcement, performances in multi-function halls, etc. It is specially designed for large-scale sound reinforcement, performances in multi-function halls, etc.

### Feature

- \* The adaptive variable modulation frequency and automatic stabilization technology of the digital power amplifier ensure the working stability of the amplifier.
- \* Multi-track audio loop technology is precisely adjusted to reduce audio distortion, allowing the amplifier to have ultra-high dynamic range, frequency response, and transient response for a better listening experience.
- \* The audio output adaptive load power control technology enhances the amplifier's ability to control the load and can adapt to various complex load environments, regardless of whether the load is resistive, capacitive, or inductive, with better compatibility.
- \* Using switching power supply adaptive dynamic power efficient conversion technology and multi-channel status detection automatic power adjustment technology, this series of power amplifiers have ultra-high efficiency of more than 95% and excellent stability.
- \* Comprehensive protection circuit: over-voltage protection, under-voltage protection, over-current protection, output short-circuit protection, temperature pressure limit, signal pressure limit, automatic temperature control fan and other functions, which greatly improves the stability and reliability of the power amplifier.
- \* XLR balanced input/XLR balanced LINK output; SPEAKON audio socket output;
- \* Three modes of MONO/STEREO/BRIDGE can be switched;
- \* Sensitivity 1V/2V can be switched selectively;
- \* With temperature-controlled fan, which will run when booting, and will accelerate as the temperature increases.
- \* The panel has signal indicator (green), clipping indicator (orange), protection indicator (red), and power indicator (blue);
- \* Regular load is 8 Euros, 4 Euros, and minimum 2 Euros.



### Specification

Model	TC-21000	TC-21200	TC-22000	TC-23000
Output power (1kHz/THD≤1%)	Maximum power	Maximum power	Maximum power	Maximum power
Stereo 8Ω	2*1300W	2*1800W	2*2000W	2x3000W
Stereo 4Ω	2*2600W	2*3400W	2*3900W	2x5100W
Stereo 2Ω	2*4350W	2*4800W	2*5800W	2x7100W
Bridged 16Ω	3000W	3600W	4000W	6000W
Bridge 8Ω	5100W	6500W	7800W	10200W
Bridge 4Ω	8400W	9000W	11600W	14280W
Connecting socket	XLR interface	XLR interface		
Voltage gain (@1KHz)	39dB	41dB	41dB, 38dB, 35dB, 32dB	
Input sensitivity	2.2dBu(1V), 8.2dBu(2V),			
Input resistance	10KΩ unbalanced, 20KΩ balanced			
Frequency response (Under @1W power)	20-20KHz/±1dB			
THD+N (Under @1/8 power)	≤0.01%			
SNR (A-weighted)	≥105dB			
Damping Factor (@ 1kHz)	≥200@ 8 ohms			
Crosstalk (@1kHz)	≥85dB			
Protection method	Overvoltage protection, undervoltage protection, overcurrent protection, DC protection, short circuit protection			
Indicator light	Power, Protection, Signal, Distortion			
Cooling method	Fan cooling			
Power supply	~ 220 50Hz			
Maximum power consumption	2500W	3000W	4000W	6500W
Dimensions (L x W x H)	483x370x44mm	483x370x44mm	483x370x44mm	483x465x44mm
Weight	7.6Kg	8Kg	9Kg	11Kg
*The power is measured through using 20ms pulsed 1kHz sine wave at 1% THD				