



Four-Channel DSP Digital Amplifier

TC-D4200、TC-D4350、TC-D4500



Description

It is suitable for medium and large theaters, stadiums, auditoriums, banquet halls, concerts, rental venues, outdoor performances, as well as clubs, nightclubs, bars and other entertainment venues.

Feature

- * Using high-efficiency PFC + switching power supply + Class D digital power amplifier design scheme, with minimal output distortion and high efficiency;
- * Using high-end DSP processor with built-in compressor, limiter, expander, parametric equalizer, matrix routing, delay, high and low pass processing and other DSP functions;
- * With multiple working modes: matrix mode, bridge, free switching, the simple interface is more convenient for different user needs;
- * Support constant voltage and constant resistance: 16 ohms, 8 ohms, 4 ohms. 500W can be equipped with 100V constant voltage function, and above 700W can be equipped with 70V/100V constant voltage function;
- * 2-inch screen design, it displays the device status: power amplifier status, power amplifier temperature, output mode status, power amplifier real-time voltage/current/power display, and channel current volume;
- * Support online mode: TCP/IP, which can remotely monitor device status display and settings;
- * Input sensitivity can be adjusted in 2 levels: 1V/2V, set by PC software or panel screen;
- * Network TCP/IP control can realize the management of multiple devices, and RS485 supports central control protocol control;
- * Support Chinese and English language switching;
- * The humanized PC software supports separate control of multiple units.
- * Each output channel is designed with 5/8/12-band parametric EQ, matrix, electronic crossover, delay, extender, limiter, gain, mute, polarity and other functions.
- * Support device management, channel management, scene management and other functions.
- * With: overvoltage protection, undervoltage protection, overtemperature protection, overcurrent protection, DC protection, output short circuit protection, temperature control fan and other functions.



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Specification

Model	TC-D4200	TC-D4350	TC-D4500
Output power (20-20KHz/THD≤1%)	Stereo/Parallel 8Ω: 200W×4	Stereo/Parallel 8Ω: 350W×4	Stereo/Parallel 8Ω: 500W×4
	Stereo/Parallel 4Ω: 400W×4	Stereo/Parallel 4Ω: 600W×4	Stereo/Parallel 4Ω: 900W×4
	Bridge 16Ω: 400W×2	Bridge 16Ω: 700W×2	Bridge 16Ω: 900W×2
	Bridge 8Ω: 750W×2	Bridge 8Ω: 1200W×2	Bridge 8Ω: 1650W×2
Connector	XLR interface		
Input sensitivity	1V		
Input impedance	10kΩ Unbalanced, 20kΩ balanced		
Frequency response (@1W power)	20Hz-20kHz /+0/-2dB		
THD+N (@1/8 power)	≤0.05%		
SNR (A-weighted)	≥95dB		
Damping coefficient (@1KHz)	≥200@ 8 ohms		
Separation (@1KHz)	≥85dB		
Protection mode	Overcurrent protection, DC protection, short circuit protection		
Indicator light	Power, Protection, Distortion		
Cooling method	Fan cooling		
Power supply	~ 220V 50Hz		
Max power consumption	1000W	1700W	2400W
Dimension (L×D×H)	484×452×44	484×452×44	484×452×44
Weight	7.0kg	7.8kg	9kg