



Digital Amplifier

TC-4500DT/ TC-4700DT/ TC-41500DT



Description

Commonly used in medium and large theaters, outdoor performances, stadiums, clubs, entertainment bars, rental venues, auditoriums, banquet halls, concerts, etc.

Feature

- * Standard 19-inch cabinet design with a height of 2U;
- * Adopt high-efficiency PFC + switched power supply + class D digital amplifier, providing extremely low output distortion and high efficiency;
- * Adopt high-end DSP processor, built-in compressor, limiter, FIR processor, noise gate, parametric equalizer, matrix router, delayer, high and low pass processing and other DSP functions;
- * Support various working modes: stereo and bridge connection, support free switching between bridge and matrix mode, the simple interface is more convenient for different users;
- * Constant voltage and constant resistance: 100V, 70V, 16 Ω , 8 Ω , 4 Ω ;
- * Adopt 4.3-inch IPS capacitive touch screen; display device status: mains voltage/current/amplifier status, amplifier temperature, output mode, amplifier real-time voltage/current/power, channel volume, and speaker impedance, which can be viewed and controlled by switching menus on the panel touch screen;
- * Support various connection methods: TCP/IP; support remote monitoring of device status display and settings;
- * The input sensitivity is adjustable: 2dBu/6dBu/12dBu, set through PC software or LCD screen;
- * Support free switching of various input sources: analog input, AES3 digital audio input, Dante network audio input. The analog audio interface can be cascaded;
- * When the working mode is switched, the device will automatically detect the speaker impedance and set the corresponding parameters;
- * Network TCP/IP control can realize the management of multiple devices, and the network interface can be cascaded; USB, RS485 support external protocol control;
- * Support DANTE network audio input;
- * Support Chinese and English language switching;
- * Load overcurrent alarm: buzzer alarm when the current of the channel is greater than the set current.
- * Wide voltage operation: 180-264VAC.
- * Support remote power on/off; when the amplifier has no output, it will automatically enter the standby state after 30 minutes, the standby power consumption is low, and the amplifier can be restarted normally within 5s;



Specification

Model	TC-4500DT	TC-4700DT	TC-41500DT
Output power (20-20KHz/THD≤1%)	Stereo/matrix@8Ω×4: 500W×4 Stereo/matrix@4Ω×4: 700W×4 Bridge @16Ω×2: 1000W×2 Bridge @8Ω×2: 1400W×2 Bridge constant voltage 100V@10Ω: 1000W×2	Stereo/Matrix 8Ω×4: 700W×4 Stereo/Matrix 4Ω×4: 1000W×4 Bridge 16Ω×2: 1400W×2 Bridge 8Ω×2: 2000W×2 Constant voltage 70V@6.1Ω:800W×4 Bridge constant voltage 100V@6.6Ω: 1500W×2	Stereo/Matrix 8Ω×4: 1500W×4 Stereo/Matrix 4Ω×4: 2000W×4 Bridge 16Ω×2: 2000W×2 Bridge 8Ω×2: 4000W×2 Constant voltage 70V@5Ω:1000W×4 Constant voltage 100V@5Ω:2000W×2
Connecting interface	XLR, DANTE interface		
Input sensitivity	2dBu/6dBu/12dBu		
Input resistance	20kΩ balanced		
Frequency response (@1W power)	20Hz-20kHz /+1/-1dB		
THD+N (@1/8 power)	≤0.05%		
SNR (A-weighted)	≥99dB		
Damping coefficient (@ 1KHz)	≥200@ 8 ohms		
Isolation (@1KHz)	≥97dB		
Protection method	Over-current protection, DC protection, short-circuit protection		
Indicator light	Power, Protection, Distortion		
Cooling method	Fan cooling		
Power supply	~ 220V 50Hz		
Max power consumption	2400W	3300W	6500W
Dimension (L×D×H)	484×450×88	484×450×88	484×477×88
Weight	14kg	14.6kg	13.8kg