



4 Channel DSP Dante Network Amplifier

TC-4500DT TC-4700DT



Description

Medium and large theaters, outdoor performances, theaters, stadiums, clubs, nightclubs, entertainment bars, events renting, auditorium, 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, 16Ω, 8Ω, 4Ω;
- * 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: USB, TCP/IP, RS485, support remote monitoring of device status display and settings;
- * The input sensitivity is adjustable: 2dBu/6dBu/12dBu, set through PC software or LCD screen;
- * Supports 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;
- * 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;
- * Network TCP/IP control can realize the management of multiple devices, and the network interface can be cascaded;
- * 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.
- * Central control panel control, optional.



4 Channel DSP Dante Network Amplifier

TC-4500DT TC-4700DT

Specification

Model	TC-4500DT	TC-4700DT
Output Power (20-20KHz/THD≤1%)	500W×4@8Ω	700W×4@8Ω
	700W×4@4Ω	1000W×4@4Ω
		800W×4@Constant pressure 70V
	Bridge 1400W×2@8Ω	Bridge 2000W×2@8Ω
	Bridge 1000W×2@Constant pressure 100V	Bridge 1500W×2@Constant pressure 100V
Input impedance	20kΩ	
Input interface	Balanced input 4*XLR	
Output interface	4*Spoken	
Maximum input level	2 0dBu/7.75V	
Analog sensitivity	2dBu, 6dBu, 12dBu adjustable	
AES input sensitivity	0dBFS	
SNR	100dB @ 12dBu, 1kHz	
Frequency response	2 0Hz ~20kHz (± 1dB) @ 1W, 8Ω	
THD+N	< 1 %@1W ~Max power	
Constant voltage and constant resistance	100V&70V, 8Ω&4Ω (TC-4500DT without 70V)	
Dante (optional)	4. 3-inch IPS capacitive touch screen	
Protection	Audio limiter, high temperature, DC, short circuit, back EMF, peak current limiter, inrush current limiter, power-on delay, power circuit breaker, power supply over/under voltage protection	
PC software	Software can control matrix routing, audio processor, DSP amplifier, equalizer EQ, volume control, etc.	
Power supply	Voltage input 180 ~ 264VAC	
Dimension (L×D×H) (mm)	484*450.2*88	
Weight	14kg	14.6kg