Digital Amplifier
TC-4700DT

Description:

TC-4700DT is a high-end power amplifier, commonly used in medium and large theaters, outdoor performances, stadiums, clubs, entertainment bars, rental venues, auditoriums, banquet halls, concerts, etc.

Feature:

1.Standard 19-inch cabinet design with a height of 2U;
2.Adopt high-efficiency PFC + switched power supply + class D digital amplifier, providing extremely low output distortion and high efficiency;
3.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;
4.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;
5.Constant voltage and constant resistance: 100V, 70V, 16Ω, 8Ω, 4Ω;
6.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;
7.Support various connection methods: TCP/IP; support remote monitoring of device status display and settings;
8.The input sensitivity is adjustable: 2dBu/6dBu/12dBu, set through PC software or LCD screen;
9.Supports free switching of various input sources: analog input, AES3 digital audio input, Dante network audio input. The analog audio interface can be cascaded;
10.When the working mode is switched, the device will automatically detect the speaker impedance and set the corresponding parameters;
11.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;
12.Network TCP/IP control can realize the management of multiple devices, and the network interface can be cascaded; USB, RS485 support external protocol control;
13.Support DANTE network audio input;
14.Support Chinese and English language switching;
15.Load overcurrent alarm: buzzer alarm when the current of the channel is greater than the set current.
16.Wide voltage operation: 180-264VAC.

Specification:

Model	TC-4700DT
Output power (20-20KHz/THD≤1%)	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
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	3300W
Dimension (L×D×H)	483×450×88mm
Weight	14.6Kg