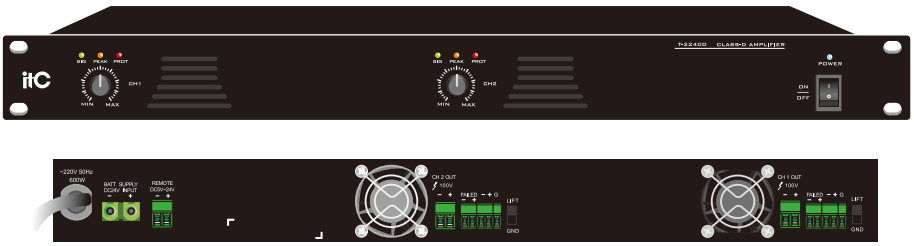
2-Channel Class-D Power Amplifier

T-2240D



Description

The amplifier adopts high class D amplifier circuit, with built in high-efficient power switch which enhances the efficiency up to 85%. The product uses reasonable dissipation layout, which makes the amplifier can keep less than 55℃ even at severe working conditions, thus largely expanding its life span.

The amplifier is designed with rack mount in 1 U height and 19 inches. The rear panel provides with 2 channels 100V output terminal wiring speaker, a phoenix interface for remote control and monitoring equipment working condition. Extensive protection includes high temp, overload and short-circuit.

Specifications

Model	T-2240D
Rated Power Output	2 x 240W
Rated constant voltage output	100V
Input Sensitivity & Impedance	±385mV/20KΩ, balanced input
Overload Electromotive Force	>11dB
Frequency Response	80Hz~16KHz (+1, -3dB)
S/N Ratio	≥85dB
THD	≤0.1% at 1KHz, 1/3 rated power
Controls	Remote power control and fault indicator
Indicators	signal, peak, protection, power
Protection	high temp, speaker DC output ,overload and short-circuit
Cooling	Forced cooling
Power Consumption	650W
Power Supply	~110-230V 50/60Hz
Dimensions	484 x 350 x 44mm
Weight	5.3Kg

Features

* 2 channel class D digital power amplifier, 2 independent channel without transformer output is 100V.
* The rear panel is equipped with a “ground” line suspension switch, which effectively eliminates the loop noise caused by the connection of the “ground” lines of multiple equipment signals.
* 85% high efficiency amplifier, low power loss, low heat.
* 2 channel European terminal balanced input, 2 channel European terminal output.
* Remote control of power-on function: remotely turn on the power of the machine, and disconnect the power of the machine when both functions are turned off at the same time.
* Fault output function, remote monitoring power amplifier working state.
* 2 channel independent 24V standby power inverter function, power amplifier with voltage limit, short circuit, overload, overheat protection.
* AC 110V or 230V and DC 24V optional.

Rear Panel