

DM300 DSP Active Amplifier Module



Description

DM300 is a 300W active power amplifier module with one input and two outputs that supports DSP function. Its simple software interface can be matched with real-time settings of compressor, limiter, noise gate, parametric equalization, matrix routing, delayer and other functions to provide smooth operating experience, and the RJ45 network port can transmit Dante network audio while supporting multiple devices hand in hand. Also, it has good configurability and extensibility, suitable for various occasions.

Features

- 300W active amplifier module, support DSP function of one input and two output
- Rated power 300W@8 Ω 500W@4 Ω
- Built-in DSP digital processing
- Support USB, TCP/IP, RS485
- The working state of the power amplifier can be monitored remotely in real time
- Support stereo, bridge, mono channel, free matrix mode, one-key to switch
- Controlled by software, could also control matrix system and professional processor.
- Remote Call function can quickly find the specific power amplifier from the "power amplifier group"
- Power supply AC 100v/240V

Specification

Power Ratings (RMS @1%THD @230Vac)			
	Impedance	OUT L	OUT R
DM300	8Ω	300W	300W
	4Ω	500W	500W
Output Circuit	D-type		
Gain	34dB		
SNR	>100dB		
Distortion	<0.05% (at 20Hz -20kHz, 8Ω load, 3dB)		
Frequency Response	20Hz -20kHz 0(at +0/-0.25dB, 8Ω load, 3dB)		
Damping Coefficient	>300 (at 8Ω load, 400kHz)		
Protection Type	Input current limiter, short circuit protection, on/off mute, DC fault protection, power limiter		
Input Power	Universal power supply 100-240V, 50-60Hz		
DSP			
A/D	24bit CIRRUS LOGIC @48kHz, dynamic range 114dB, 100dB THD+N		
D/A	24bit CIRRUS LOGIC @48kHz, dynamic range 114dB, 100dB THD+N		
Delay	Input 120ms + output 20ms		
Equalizer	High and low, graphic PEQ, support full bypass function		
Filter	Butterworth, Linkwitz-Rayleigh, Bessel: 6dB /oct to 48dB /oct(IIR)		
Compressor	Root Mean Square Compression		
Limiter	Peak clipping		
Dimension	133×105×261mm		
Net Weight	2.4kg		