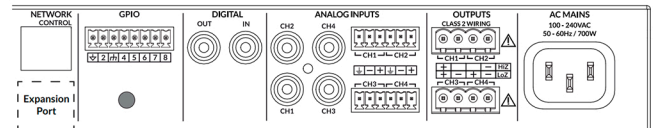




M804 DSP

4-CHANNEL AMPLIFIER WITH DSP [100V|8Ω]



The M804DSP is a smart full matrix DSP Class D 4-channel amplifier that delivers flexible reliable power output of 4 x 750W in a full rack 2U format, driving both conventional low impedance (2Ω to 16Ω) loudspeakers and high impedance (70V/100V) transformer coupled loudspeakers or any mix of the two. The on board, state-of-the-art, full matrix, DSP engine can be configured to suit a wide range of tasks, without the need for additional equipment, to drive a wide range of loudspeaker systems. Everything you need is right there. The close integration of processing and amplification allows the DSP to monitor and better adapt to amplifier behavior, making dynamics processing far more accurate and effective than that typically achieved with separate components. The active PFC (Power Factor Correction) power supply technology enables universal AC mains operation and delivers consistent, regulated power worldwide.

Product Type

Class D Amplifier with DSP

Frequency Response

20Hz - 20kHz (+0 / -0.5dB)

Amplifier Technology

UMAC Class D - Full Bandwidth PWM Modulator With Ultra-Low Distortion

Power Consumption

700W

Number of Amplifier Channels

4 Channels Low Impedance (LoZ) / 2 Channels High Impedance (HiZ)

Amplifier Power - Stereo 8Ω

4 x 400W

Amplifier Power - Stereo 4Ω

4 x 750W

Dimensions (WxHxD)

88 x 440 x 332 mm (3.5 x 17.3 x 13.1 in)

Amplifier Power - Stereo 2Ω

4 x 750W

Amplifier Power - Bridge 8Ω

2 x 1500W

Amplifier Power - Bridge 4Ω

2 x 1500W

Shipping Weight

8.5kg (18.7 lbs)

Amplifier Power - 100V

2 x 1500W

Amplifier Power - 70V

2 x 1200W

Speaker Output

2Ω - 16Ω | 100V | 70V

Special Features

GPIO Functions: Standby, Mute, Volume Control, Trigger IN, Trigger OUT

Zones Output

4-Zones Output

THD+N

<0.05% (20Hz-20kHz, 8Ω load, 3dB below rated power)

SNR (Signal to Noise Ratio)

>108dB (A-weighted, 20Hz-20kHz, 8Ω load)

Fixation

19" Rack Mount

Output Voltage

85Vp / 170Vpp (unloaded) // Bridged 170Vp / 340Vpp (unloaded)

DSP Technology

Ultimate DSP with Wi-Fi and Ethernet Connection

DSP Adjustable Parameters

Filters: PEQ, FIR, hi/lo-shelving, all-pass, band-pass, hi/lo-pass | Limiters: RMS Voltage, Peak Voltage | GPIO Functions | Routing

Accessories

2 x Rack Ears, 4 x Adhesive Feet (included)

DSP Presets

Save and Load Individual Presets and Preset Libraries

Delay Adjustment

100ms (34.3m) per Output

Control Type

Controlled Via Webpage - Compatible with Desktop, Tablet and Mobile Phone (Wireless or Cable 1 x RJ45)

Fittings

2U 19" Rack

Wireless Connection System

Works as a Wi-Fi Access Point (WAP) or Wi-Fi Client

Audio Signal Inputs

4 x Analog Unbalanced Inputs | 4 x Analog Balanced Inputs | Stereo S/PDIF

Input Connectors

4 x RCA | 2 x 6-Pole 3.5mm Phoenix Type | 1 x RCA | 8 x GPIO

Net Weight

7.4kg (16.3 lbs)

Audio Signal Outputs

Stereo S/PDIF

Output Connectors

1 x RCA | 8 x GPIO

Speakers Output Connectors

2 x 4-Pole 5mm Phoenix Type

Power Supply

UREC Universal Mains Switch Mode Power Supply (SMPS) with Power Factor Correction (PFC) and Standby Converter

Protections

Short Circuit, DC, Undervoltage, Temperature and Overload Protection

Operating Temperature Range

0°C - 40°C

Cooling Type

Speed Controlled Fan

Power Input

AC 100V - 240V 50Hz/60Hz