The VIA5002 is an advanced 2-channel power amplifier which combines high power density with superb audio performance in a lightweight, cost-effective package. Delivering 2 x 2500 watts into 4 ohms or 2 x 1500 watts into 8 ohms, it is ideal for powering subwoofers in installations and portable sound systems.

Its high efficiency design reduces the energy drawn from the mains supply and ensures the power reserves needed to deliver superb sound in demanding environments with reliability and ease.

Comprehensive protection functions continuously monitor its performance to maintain safe operating conditions and full output capability in ambient temperatures up to 40°C.

For a wide variety of applications, the VIA5002 is ideally partnered with the Martin Audio DX0.5 system processor. Larger installations will benefit from use with the DX4.0 with its onboard network capability and proprietary VU-NET software control.
# VIA5002 Two-Channel Class D Amplifier

## Technical Specifications

### General
- **Type**: Two-channel Class D amplifier
- **Power Output**: 2 x 2500W into 4 ohms
- **Cooling**: Vari-speed fans, front-to-back airflow
- **Maximum Ambient Temperature**: 40°C (105°F)

### Audio Inputs/Outputs
- **Analog Inputs/Links (4 Channels)**: 2 x female, 2 x male Neutrik™ XLR
- **Analog Input Impedance**: 10KΩ balanced
- **Maximum Analog Input Level**: +20dBu
- **Amplifier Outputs**: 2 x Neutrik Speakon™ NL4

### Audio Performance
- **Output Noise**: -113dBA, referenced to max output
- **Frequency Response**: <10Hz - >20kHz +/- 0.25dB
- **Total Harmonic Distortion**: <0.05% typical @ 1kHz, -3dB output
- **Slew Rate**: >80V per microsecond
- **Damping Factor**: 120 ref 8 ohms

### Power Supplies
- **Type**: 2 x high current, high frequency switch-mode
- **AC Input Operating Range**: 100-240V +/-10%
- **45 - 65Hz Total System Efficiency**: >90% typical
- **Mains Connector**: 1 x Neutrik Powercon™

### Physical
- **Dimensions**: (W) 482 x (H) 2U/88mm x (D) 441mm
- **(W) 19in x (H) 2U/3.5in x (D) 17.4in incl handles and optional rear support
- **Weight**: 10kg (22lbs)

* RMS output power per channel, all channels driven with continuous program material and a nominal ambient temperature of 40°C /105°F.