

VIA5004

Four-Channel Class D Amplifier

VIA[®]



Features

- Four channels of efficient Class D amplification
- 5000 Watts total power output
- 2U rack height
- Exceptionally lightweight
- Switch mode power supply
- Variable speed cooling fans with front-to-back airflow
- Global mains operation, 100-240V auto-sensing
- Comprehensive protection systems
- Signal and clip limiter LEDs

Applications

- Small to medium-scale installations
- Portable sound and stage monitoring
- Hotels, restaurants and bars
- Houses of Worship and auditoriums
- Educational facilities
- Live music and dance clubs
- Mobile DJ's

The VIA5004 is an advanced 4-channel power amplifier which combines high power density with superb audio performance in a lightweight, cost-effective package. Delivering 4 x 1250 watts into 2 ohms, or 2 x 2500 watts into 4 ohms bridged, it is ideal for powering Blackline X, CDD and V. Series systems in small to medium-scale installations and portable sound applications. It can also be configured for 3-channel operation, for perfect compatibility with TH Series 3-way 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 installations and portable situations, the VIA5004 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.

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Technical Specifications

General

| | |
|-----------------------------|--|
| TYPE | Four-channel Class D amplifier |
| POWER OUTPUT* | 4 x 1250W into 2 ohms 4 x 800W into 4 ohms 4 x 450W into 8 ohms 2 x 2500W bridged into 4 ohms |
| COOLING | Vari-speed fans, front-to-back airflow |
| MAXIMUM AMBIENT TEMPERATURE | 40°C (105°F) |

Audio Inputs/Outputs

| | |
|-------------------------------|-----------------------------------|
| ANALOGUE IN/LINK (4 CHANNELS) | 4 x female, 4 x male Neutrik™ XLR |
| ANALOGUE INPUT IMPEDANCE | 10K Ω balanced |
| MAXIMUM ANALOGUE INPUT LEVEL | +20dBu |
| AMPLIFIER OUTPUTS | 4 x Neutrik Speakon™ NL4 |

Audio Performance

| | |
|---------------------------|---|
| OUTPUT NOISE | -113dBA, referenced to max output (22kHz bandwidth) |
| FREQUENCY RESPONSE | <10Hz - >20kHz +/- 0.25dB |
| TOTAL HARMONIC DISTORTION | <0.05% typical @ 1kHz, -3dB output (22kHz bandwidth) |
| SLEW RATE | >80V per microsecond |
| DAMPING FACTOR | 120 ref 8 ohms |

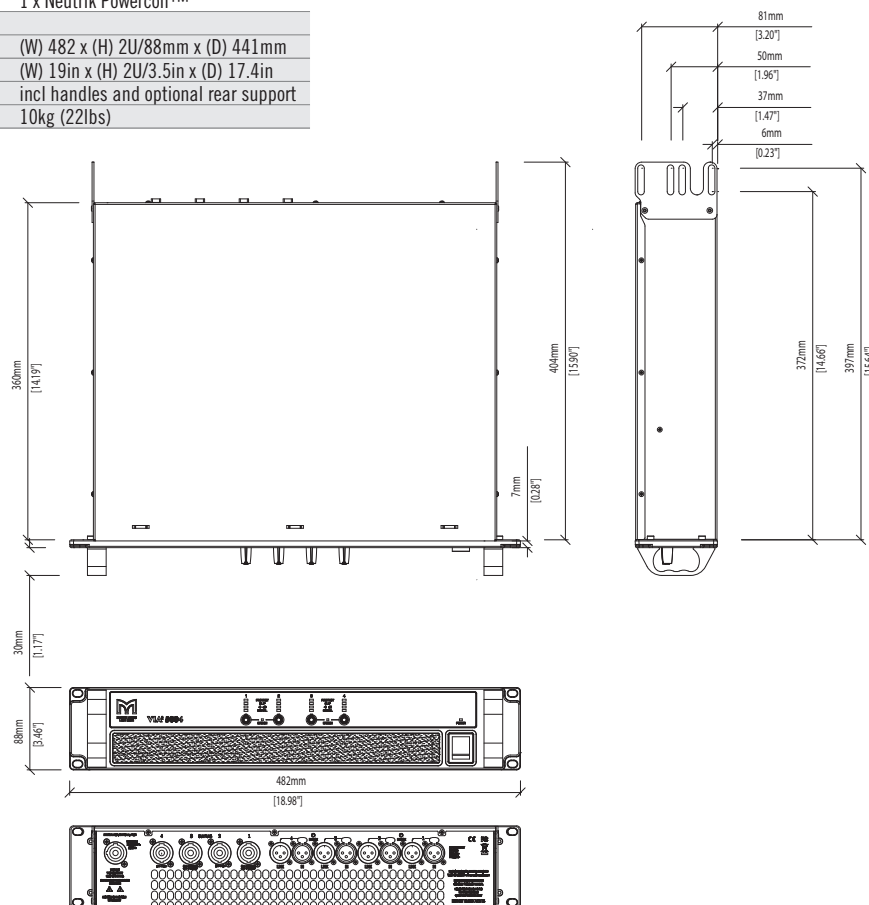
Power Supplies

| | |
|--------------------------|---|
| 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



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