

VIA2004

Four-Channel Class D Amplifier

VIA[®]



Features

- Four channels of efficient Class D amplification
- 2000 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 VIA2004 is an advanced 4-channel power amplifier which delivers superb audio performance in a lightweight, cost-effective package. Delivering 4 x 500 watts into 4 ohms, it is ideal for powering O-Line, ADORN and CDD Series installations in bars, auditoriums and HoW, as well as small-medium scale portable sound reinforcement and club use.

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 applications, the VIA2004 is ideally partnered with the Martin Audio DX0.5 system processor. Larger installations will benefit from use with the DX4.0 processor with its onboard network capability and proprietary VU-NET software control. The DX4.0 and VIA2004 combination is perfect for delivering cost-effective scalable resolution under VU-NET control to an installed O-Line array.

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Technical Specifications

General

TYPE	Four-channel Class D amplifier
POWER OUTPUT*	4 x 500W into 4 ohms 4 x 250W into 8 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	5 kΩ typical, balanced
MAXIMUM ANALOGUE INPUT LEVEL	+20dBu
AMPLIFIER OUTPUTS	4 x Neutrik Speakon™ NL4

Audio Performance

FREQUENCY RESPONSE	20Hz - 20kHz +/- 0.45dB, 4 ohm load
TOTAL HARMONIC DISTORTION	0.003% typical, 1kHz @ 1W

Power Supplies

TYPE	2 x high current, high frequency switch-mode
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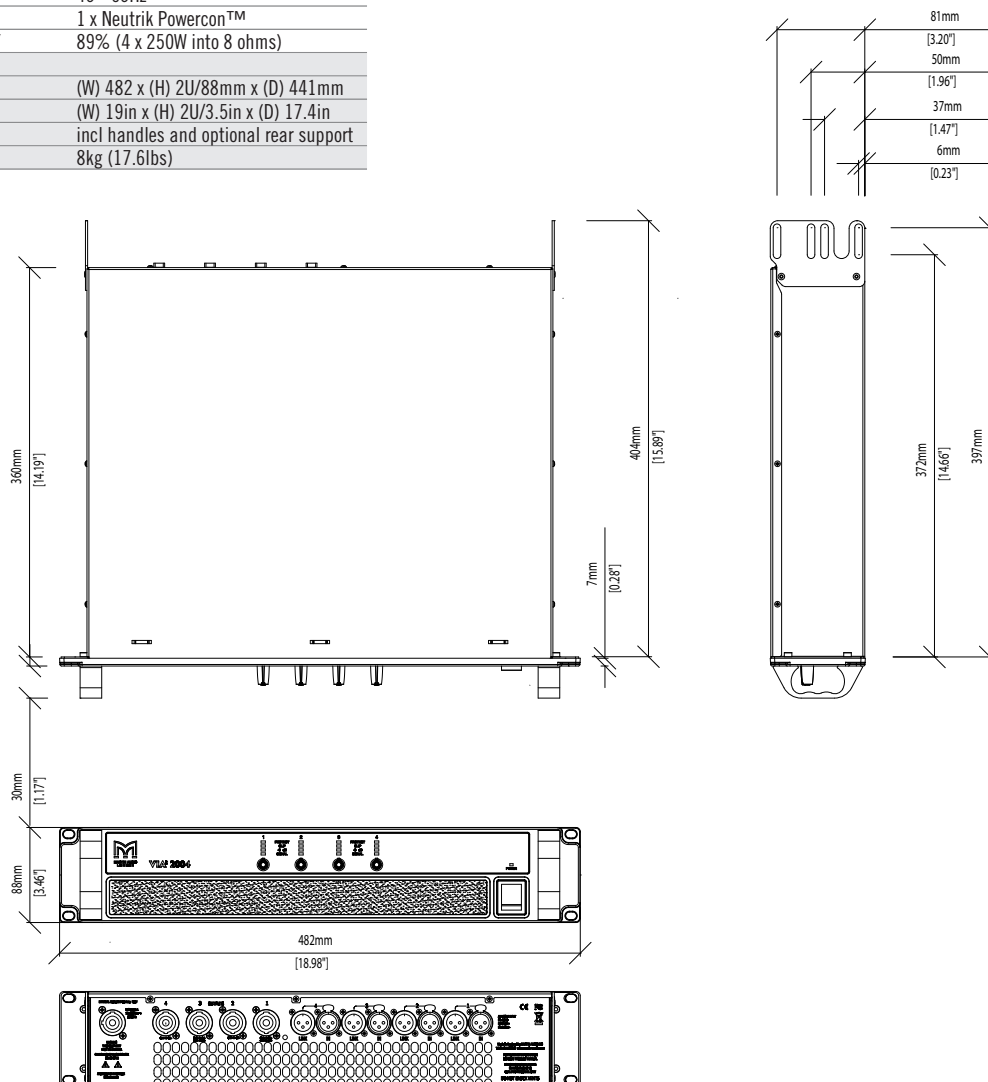
AC INPUT OPERATING RANGE	100-240V +/-10% 45 - 65Hz
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MAINS CONNECTOR	1 x Neutrik Powercon™
TOTAL SYSTEM EFFICIENCY	89% (4 x 250W into 8 ohms)

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	8kg (17.6lbs)

* Continuous average power per channel, all channels driven with music program material and a nominal ambient temperature of 40degC /105degF



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