

VIA5002

Two-Channel Class D Amplifier

VIA[®]



Features

- Two 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, 100V to 240V auto-sensing
- Comprehensive protection systems
- Signal and clip limiter LEDs
- 70/100 V distributed line support

Applications

- Subwoofer amplification
- 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 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 1600 watts into 8 ohms, it is ideal for powering subwoofers in installations and portable sound systems.

The VIA5002 supports 70/100 V distributed line systems (2 x 2500 watts). It is the only VIA amplifier that provides this support.

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 DX0.4 or DX0.6 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	Two-channel Class D amplifier
POWER OUTPUT*	2 x 2500W into 4 ohms 2 x 1600W into 8 ohms
CV LINE OUTPUT	2500W, 70V Line 2500W, 100V Line
GAIN	38 dB
COOLING	Vari-speed fans, front-to-back airflow
MAXIMUM AMBIENT TEMPERATURE	40°C (105°F)

Audio Inputs/Outputs

ANALOGUE IN/LINK (4 CHANNELS)	2 x female, 2 x male Neutrik™ XLR
ANALOGUE INPUT IMPEDANCE	10KΩ balanced
MAXIMUM ANALOGUE INPUT LEVEL	+20dBu
AMPLIFIER OUTPUTS	2 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

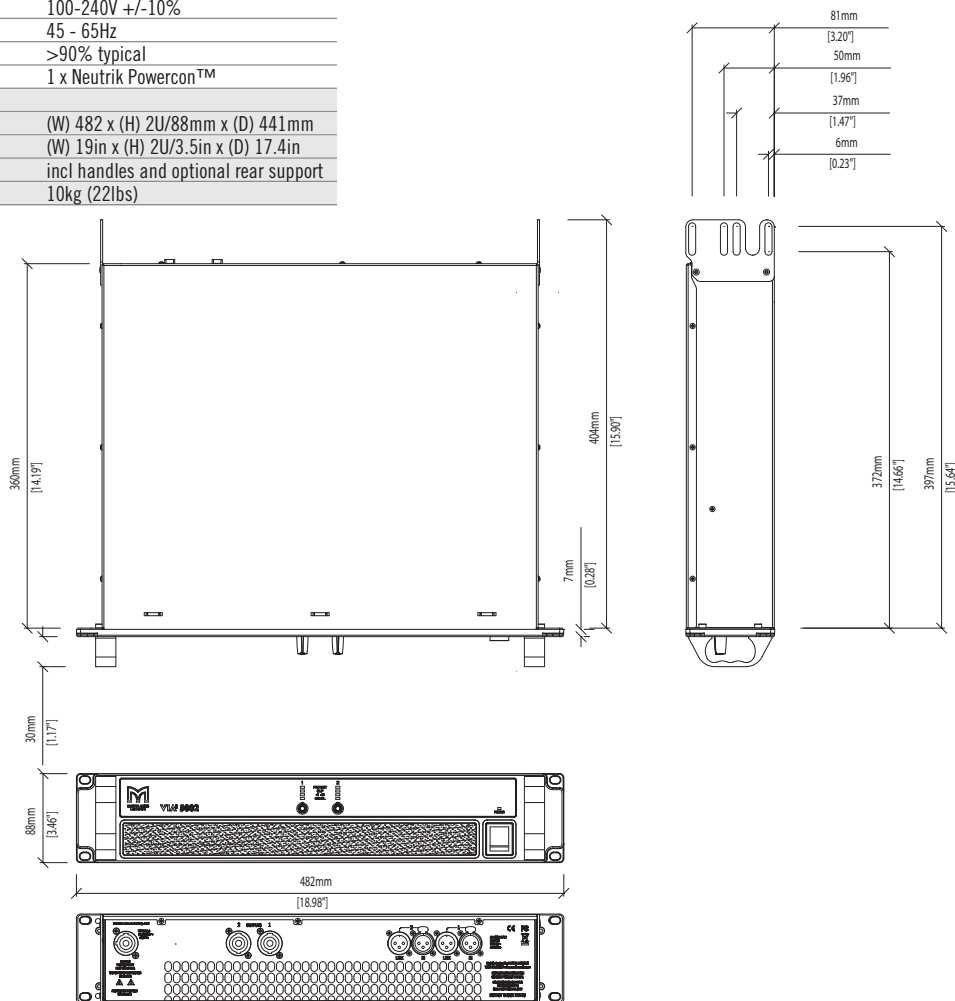
Power Supplies

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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