

4-Channel Processed Digital Network Amplifier

MAIN APPLICATIONS

Permanent installations in:

- Small Theatres, Auditoriums, Conference Rooms, Piano Bar, DJ
- Fixed installations in live clubs
- Pubs, Gyms



MAIN FEATURES

- 4 x 1000W on 4Ohm Load
- 4 x 900W on 70V line
- 2 x 2000W (BTL mode) on 100V line
- 140Vp (SE) and 280Vp (BTL) maximum voltage output
- 2U rack mount chassis
- Multi-channel power amp with direct drive both high-impedance (70V/100V line) or low-impedance (4/8/16Ohm)
- Single ended, Bridge and Parallel mode operation
- Full asymmetric loading allows power to be distributed per channel as needs dictate
- Network interface TCP / IP - AES70 compatible combine with INFINITO software suite for PC allows control and monitoring of multiple amplifiers
- EtherCon RJ45 input and output for daisy-chain
- OLED DISPLAY and ENCODER with PUSH for easy onboard control
- 4 Channels DANTE audio streaming receiver with 24bit at 48-96KHz on TCP / IP network
- Switch mode power supply with universal voltage and power factor correction (PFC) – Efficiently manages the current drawn from the AC mains, ensuring harmonic control and decreasing the amount of current draw while allowing the amplifier to drive loudspeakers to maximum output longer without power fluctuation. PFC provides superior transient response and functions at peak burst power much longer than conventional Class-D amplifier designs to satisfy the requirements of even the most demanding program material.
- Auto-Standby/Auto-Wake function – When enabled, this function automatically enters/exits Standby Mode, allowing the system to consume less power.
- Complete set of powerful, intelligent protection features for more reliable operation.
- 8 channel GPIO software configurable as Input or Output for easy interface with external device
- Screw Euroblock input / output connectors

DESCRIPTION

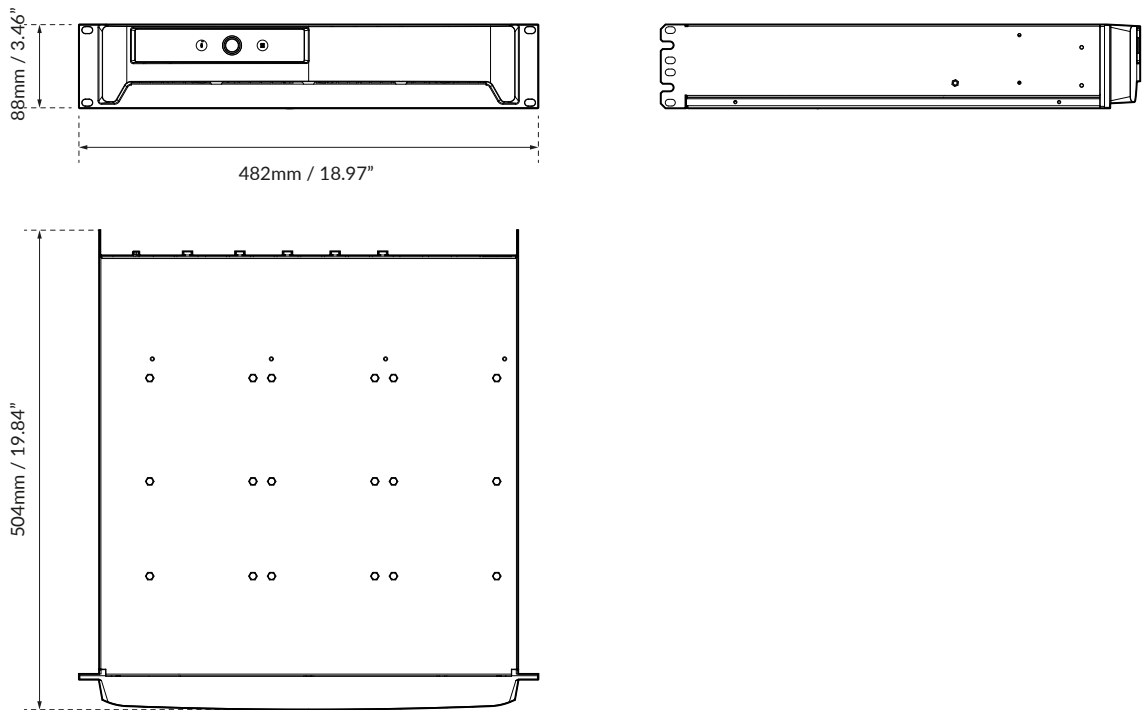
The MIURA 4004I is a high-power multi-channel amplifier designed for professional audio installations where maximum performance, flexibility, and reliability are required. It delivers 4x1000 W on 4Ohm loads, 4x900 W on 70V lines, or 2x2000 W (BTL mode) on 100V lines, offering exceptional versatility for both low- and high-impedance applications. The maximum output voltage is 140Vp (SE) and 280Vp (BTL). The amplifier is housed in a robust 2U rack-mount chassis, combining power and efficiency in a compact form factor suitable for fixed or touring installations. The MIURA 4004I supports Single Ended, Bridge, and Parallel operation modes and features full asymmetric loading, allowing power to be distributed per channel as system requirements dictate. It is capable of direct drive of both high-impedance (70/100V line) and low-impedance (4/8/16Ohm) loudspeaker systems, ensuring outstanding efficiency, headroom, and audio fidelity. A TCP/IP network interface – AES70 compatible, integrated with the INFINITO software suite for PC, enables comprehensive control and monitoring of multiple amplifiers across a network. The amplifier is equipped with EtherCon RJ45 input and output connectors for daisy-chain connection and includes a 4-channel DANTE audio streaming receiver supporting 24-bit audio at 48-96 kHz over TCP/IP.

The front panel provides an OLED display and push-button encoder, allowing straightforward and intuitive onboard control. Power is supplied through a switch-mode power supply (SMPS) with universal mains voltage and Power Factor Correction (PFC). This system efficiently manages the current drawn from the AC mains, ensuring harmonic control and minimizing energy consumption while maintaining stable operation under high output conditions. The PFC design offers superior transient response and enables extended peak performance compared to conventional Class-D amplifiers, meeting the demands of the most dynamic and complex audio material. An Auto-Standby/Auto-Wake function, when enabled, automatically enters or exits standby mode, reducing power consumption during idle periods. A complete set of intelligent and robust protection features ensures safe and reliable operation under any circumstance. The unit also offers 8-channel GPIO, software-configurable as Input or Output, providing easy integration with external control systems, along with screw-type Euroblock input/output connectors for secure and practical installation.

TECHNICAL SPECIFICATIONS

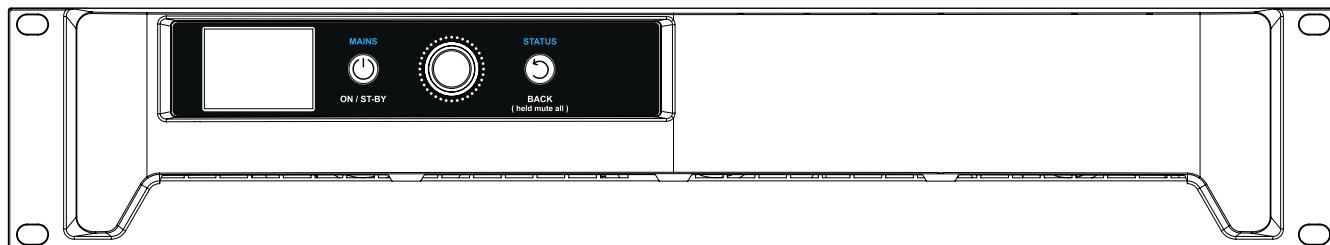
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|---|---------|--|
| Code | | 45513 |
| Channels | | 4 LoZ / 4 HiZ 70V / 2 HiZ 100V |
| Output power LoZ (4/8/16 Ohm) single channel driven | W - Ohm | 1500 - 4 |
| | | 1200 - 8 |
| | | 600 - 16 |
| Output power LoZ (4/8/16 Ohm) all channels driven | W - Ohm | 4 x 1000 - 4 |
| | | 4 x 750 - 8 |
| | | 4 x 600 - 16 |
| Output power HiZ (70/100V) | W / V | 4 x 900 / 70 - 2 x 2000 / 100 |
| Max output voltage unloaded | Vp / Vp | 140 (LoZ-70V HiZ) / 280 (100V-HiZ) |
| Amplifier tipology | | Class D - PWM modulator with ultra low distortion |
| S/N ratio | dB | >106 (A-weighted) |
| THD+N | | <0.05% (20Hz - 20KHz, 8Ohm, 3dB below rated pwr) |
| Frequency response | Hz | 20 - 20k (-0.5dB , 3dB below rated power) |
| Protection | | Short Circuit, DC, Undervoltage, Temperature, Overload |
| Cooling | | Variable speed fan |
| Power supply | | Regulated switch mode with Power Factor Correction (PFC) and ST-BY feature |
| Operating voltage | | Universal main voltage 100 - 240 Vac@ 50/60Hz |
| Power consumption St-by - Idle - 1/8 PWR | W | 880 19 - 35 - 690 |
| | °C | 0 - 40 |
| Operating temperature | mm | 2U Rack Mount 482 x 88 x 504 |
| | inch | 2U Rack Mount 18.97 x 3.46 x 19.84 |
| Net dimensions (WxHxD) | kg | 6.70 |
| | lb | 14.77 |

DIMENSIONAL DRAWINGS

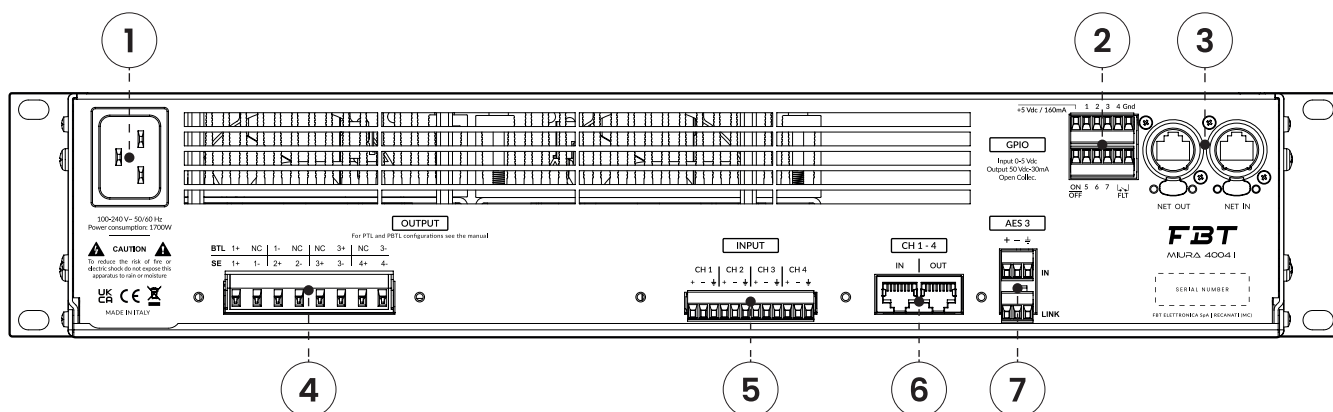


CONTROL PANEL

FRONT PANEL



REAR PANEL



INDICATORS

1. IEC 20A power connector
2. Euroblock for GPIO and fault relay configuration
3. EtherCON ports for network control / Dante
4. Euroblock for amplifier output channels (1-4)
5. Euroblock for balanced analog input channels (1-4)
6. RJ45 output for relaying balanced analog channels (1-4)
7. Euroblock for AES3 digital audio I/O