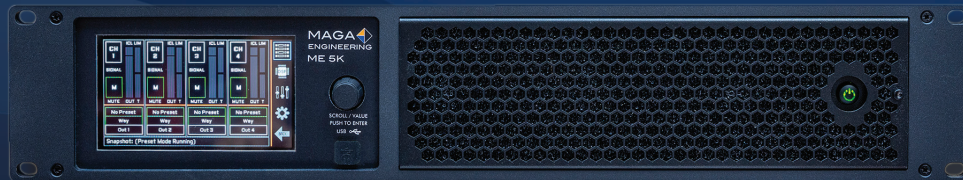


AMPLIFICATION

MAGA ENGINEERING® ME 5K

- 5000 W amplifier with 4 output channels.
- 4 x 1250 W (2 Ω / 4 Ω / 8 Ω / Hi-Z 70 V / Hi-Z 100 V), 2 x 2500 W (4 Ω bridged / 8 Ω bridged).
- Maximum output tension: 150 V peak.
- Maximum output current: 36 A peak.
- High-performance, light weight Class D output stage. Integrates state-of-the-art silicon carbide (SiC) transistors allowing to work at very high tension levels with incredible dynamics, outstanding sonic punch and exceptional reliability.
- Upside-down design prevents accumulation of dust on electronic components.
- Powerful double-precision 64-bit DSP (4 inputs/4 outputs) at 96 KHz, with high-performance AD/DA converters at 96 KHz/24 bits. Minimum process latency: 0.85 ms. Tailored FIR processes up to 1000 taps.
- Dante™ Networking (compatible with AES67 and DDM) and AES3 digital inputs; optional.
- 2 x Ethernet ports and USB 2.0 port for DSP control, daisy-chain connection and firmware update.
- Extra-large 4.3" IPS display with user interface via capacitive touch panel.
- Universal power supply with PFC.
- PCM™ (Power Control Management) system for DSP-enabled distribution of the amplifier total power over channels according to the needs.
- Protection systems in both the power supply and the audio modules (Soft-start, Turn-on Turn-off transients, Muting at turn-on, Overheating, DC, RF, Short-circuit, Open or mismatched loads, Overloaded power supply, ICL™ and PCM™). These systems work continuously in real time and with the highest reliability to keep all amplifier parameters always within safe working thresholds.
- Fast and powerful cooling system with front-to-back ventilation.
- Neutrik® XLR and speakON® input and output connections.
- Neutrik® powerCON® network connection.
- 2-year warranty program.
- Designed and developed in Spain.



Dante®
AES67



TECHNICAL SPECIFICATIONS

General

Number of amplification channels: 4
Total power (all channels load): 5000 W

Maximum output power

8 Ω / 4 Ω / 2.67 Ω / 2 Ω : 4 x 1250 W
8 Ω bridged / 4 Ω bridged: 2 x 2500 W
Hi-Z 70 V / Hi-Z 100 V: 4 x 1250 W

Amplifier output module

Maximum output tension: 150 V peak
Maximum output current: 36 A peak

Audio

Gain: 26 dB – 44 dB (in 1 dB steps)
Total harmonic distortion: < 0.05 %
Signal to noise ratio (SNR): 111 dBA
Channel separation (crosstalk 20 Hz – 1 KHz): > 70 dB

Front panel – Interface

DSP control and firmware update: 1 x USB 2.0 Type B

Rear panel – Interface

2-channel analog I/O (input + link): 4 x Neutrik® 3-pin XLR, electronically balanced
AES / EBU / I/O (input+ link): 2 x Neutrik® 3-pin XLR
Output connections: 4 x Neutrik® speakON®
Ethernet control ports (daisy-chain): 2 x RJ45 Neutrik® etherCON®
Dante™ Networking* digital inputs
(compatible with AES67 and DDM): 2 x RJ45 Neutrik® etherCON®

Mains power and consumption

Rated tension: 100 V – 240 V AC, 50 Hz – 60 Hz
Operational tension: 90 V – 265 V AC
1/8 Rated power (@230 V, 4 Ω): 3.7 A – 817 W
1/8 Rated power (@120 V, 4 Ω): 7.2 A – 817 W

Dimensions and weight

Width: 483 mm
Height: 89 mm
Depth: 355 mm
Weight: 7 kg

*: The Dante™ connection is optional.

More information at www.magaengineering.com