

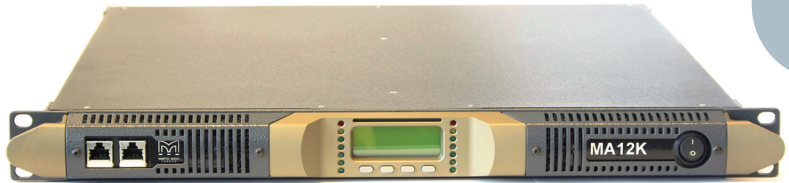
MA12K

Lightweight, High Power, High Performance Power Amplifier

electronics

features

- Worldwide mains operating voltage
- Power Factor Correction
- Over-temperature forecasting
- Thermal, short-circuit and overload protection
- Temperature controlled air cooling system
- Clip and permanent signal limiter
- Digital gain attenuation
- User selectable maximum output power
- User selectable maximum mains current draw
- PC remote control, monitoring and diagnostics

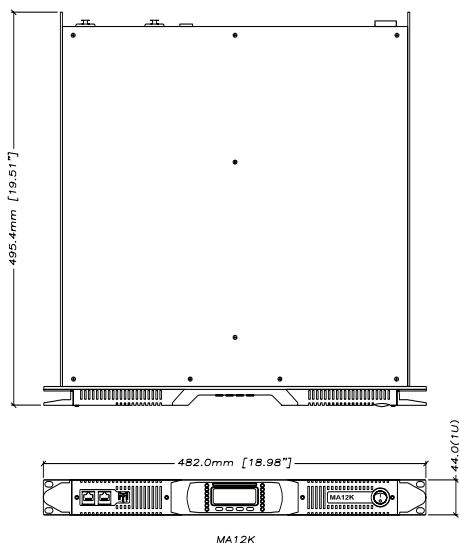


applications

- Live sound reinforcement
- Fixed installations

The MA12K is one of three models extending the range of the renowned MA Series power amplifiers. The MA12K utilises the Pulse Width Modulation principal in combination with a high efficiency two stage switching power supply to deliver true class D operation with unparalleled sonic performance and hitherto unobtainable power delivery. The MA12K operates at an astonishing 95% efficiency virtually regardless of output power, occupies only 1U of rack space and is a mere 12Kg (26.5lbs) in weight.

overall dimensions



technical specifications

MAX OUTPUT POWER

EIA AT 1KHz AND 1% THD	
8Ω PER CHANNEL	2000W
4Ω PER CHANNEL	4000W
2Ω PER CHANNEL	6000W
16Ω BRIDGED	4000W
8Ω BRIDGED	8000W
4Ω BRIDGED	12000W

DISTORTION

THD FROM 0.1W TO FULL POWER	< 0.05% (typically)
INTERMODULATION SMPTE	< 0.05% (typically)
INTERMODULATION DIM 30	< 0.05% (typically)
S/N RATIO	> 110dB (20Hz to 20KHz)
DAMPING FACTOR (8 ohm)	> 5000 (20Hz to 20KHz)

OUTPUT IMPEDANCE

60mΩ (User Selectable with KDSP option)

SLEW RATE

INPUTS

GAIN SELECTABLE (dB)	26, 29, 32, 35
IMPEDANCE	10KΩ

FRONT PANEL

DISPLAY	Interactive LCD Matrix
INDICATORS	2 x Multi-function 7 segment LED Bargraph
MENU NAVIGATION	4 x Digital Push Button
NETWORK	2 x RJ45
DATA STORAGE & TRANSFER	Smart Card Reader

REAR PANEL

INPUT CONNECTORS	Neutrik XLR / 6.3mm (0.25ins) Jack Combo
OUTPUT CONNECTORS	Neutrik Speakon
LINK SWITCH	Channel A-B Link
DATA PORT	RS485 Via RJ45

POWER

OPERATION VOLTAGE	AC: 95-265V (50/60Hz)
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DIMENSIONS

WIDTH	483mm (19ins)
HEIGHT	44mm (1.75ins) 1U
DEPTH	475mm (18.7ins)
WEIGHT	12kg (26.5lbs)

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