

MA12K

Lightweight, High Power, High Performance Power Amplifier

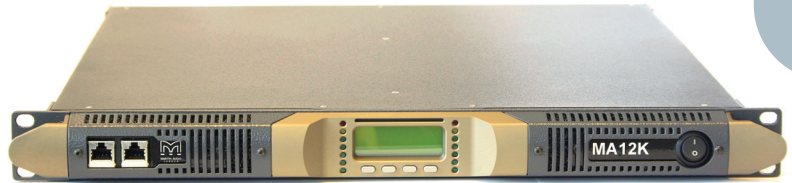
features

- 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.



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

OUTPUT IMPEDANCE	60mΩ (User Selectable with KDSP option)
------------------	---

SLEW RATE

SLEW RATE	50V/μs
-----------	--------

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

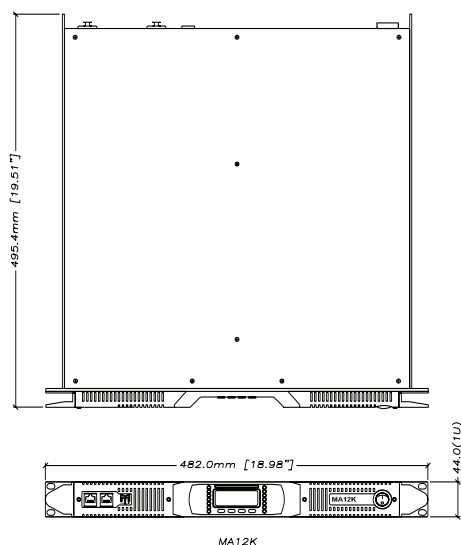
POWER

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

DIMENSIONS

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

overall dimensions



Century Point, Halifax Road, Cressex Business Park,
High Wycombe, Buckinghamshire HP12 3SL, England.
Telephone: +44 (0)1494 535312 Facsimile: +44 (0)1494 438669
E-mail: info@martin-audio.com
All information is Copyright © 2007 Martin Audio Ltd.

