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 > 110dBA (20Hz to 20KHz)
DAMPING FACTOR (8 ohm) > 5000 (20Hz to 20KHz)

OUTPUT IMPEDANCE
60mΩ (User Selectable with KDSP option)
50V/µs

SLEW RATE
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)
OUPUT 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