MA6.8Q
High power amplifier

features
- Uncompromised sound quality
- Integrated CAT-5 based monitoring and control system
- Patented Class TD Topology
- Regulated Switch Mode PSU
- Voltage and Current Limiters
- Over-Temperature and Fuse Protection
- Four Discrete Channels

applications
- Churches
- Theatres
- Clubs
- Theme Parks
- Arenas
- Stadiums

Housed in a convenient 2U package, the MA6.8Q 4-channel amplifier allows for the adjustment of maximum voltage peak, gain adjustment and has on-board network capability for monitoring and control. With these features it is now possible to specify identical amplifiers in an installation and then adjust each output to the very specific requirements of the speaker system. A typical large-scale system is a combination of high-powered speakers, full range in-fill speakers, 70/100V ceiling speakers, with an active speaker management system. With switchable outputs and on-board network capabilities, the MA6.8Q can be designed into a complete value engineered system handling all amplification tasks.

technical specifications

MAX OUTPUT POWER
Four Channels
1Ω PER CHANNEL 650 W
8Ω PER CHANNEL 1200 W
4Ω PER CHANNEL 1700 W
Hi-Z: 70/100V MAX OUTPUT PER CHANNEL 1600 W

DISTORTION
THD 20Hz – 20kHz FOR 1W 0.1%
THD AT 1kHz AND –1dB BELOW CLIP 0.05%

SIGNAL TO NOISE RATIO 112dB

CHANNEL SEPARATION @ 1kHz 70dB

FREQUENCY RESPONSE +0/-3dB 6.8Hz – 34kHz

INPUTS
GAIN SELECTABLE (dB) 23, 26, 29, 32, 35, 38, 41, 44
DEFAULT GAIN 35dB
FRONT PANEL
GAIN CONTROLS 21 position detent
INDICATORS: (common)
NomadLink® Network connected Blue LED
Power Average Limiter Red LED
Power On Green LED
Option Card (on) Yellow LED
FRONT PANEL INDICATORS: (per channel)
Signal present / Hi impedance warning Green/Red LED
-10dB and –4dB output signal present 2 x Green LED
Voltage Peak Limiter (VPL) clipping Red LED
Current Peak Limiter (CPL) active Orange LED
Very High Frequency (VHF) warning Yellow LED
High Temperature warning Yellow LED
Fault warning 2 x Yellow LED
Mute 2 x Yellow LED

REAR PANEL
INPUT CONNECTORS 3-pin Phoenix, electronically balanced
OUTPUT CONNECTORS Barrier strip 2-pole screw terminals
POWER
OPERATION VOLTAGE 130-265 V / 65-135 V
MINIMUM POWER-UP VOLTAGE 230V / 115V
171V / 85V
POWER AVERAGE LIMITER Yes
SOFT START / INRUSH CURRENT DRAW Yes / max 5A

DIMENSIONS
WIDTH 483mm (19ins)
HEIGHT 88mm (3.5ins) 2U
DEPTH 343mm (13.5ins)
WEIGHT 12kg (26.4lbs)

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