

MA6.8Q

High power amplifier

electronics

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

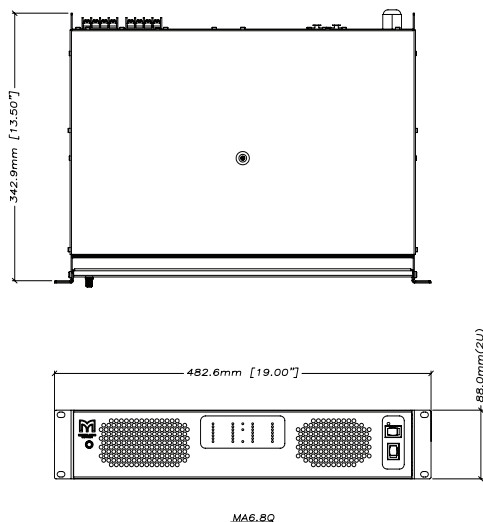
Housed in a convenient 2U package, the MA6.8Q 4-channel amplifier allows for the adjustment of maximum voltage peak, gain adjustment and has on-board network capability for monitoring and control. With these features it is now possible to specify identical amplifiers in an installation and then adjust 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
16Ω PER CHANNEL	650 W
8Ω PER CHANNEL	1200 W
4Ω PER CHANNEL	1700 W
Hi-Z: 70/100V	1600 W
MAX OUTPUT VOLTAGE	
PER CHANNEL	100 Vrms
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)

overall dimensions



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