

OVERVIEW

The MA series amplifiers are the result of near 25 years of experience of a skilled European team and the adoption of the most recent production technologies. This ends in a product of unsurpassed performance and extreme reliability.

The MA series power supply uses high-current toroidal transformers and a huge capacitor bank to ensure an uncommonly high amount of stored energy. This makes a critical difference in sound quality allowing incredible transient response and speaker's damping control, even when driving 2Ω loads.

To achieve its remarkable sound quality, the NEXT MA series output circuits were engineered as a high bandwidth, very low bias and feedback class AB or H, using the highest grade linear output devices. This approach yields outstanding studio-quality sound accuracy and detail.

The MD14000 and MQ10000 amplifiers were designed for the most demanding live audio users, whether in touring rigs or fixed installations, meeting the needs of sound system designers and contractors of reliable, powerful, light weight and compact power amplifiers.

With power ratings up to 7000W per channel, these amplifiers are capable of providing plenty of clean, undistorted output to the most power hungry speaker systems.

These extremely powerful, 2 or 4 channel power amplifiers use a modern and highly efficient variation of the Class H technology with a sonic performance comparable to the best Class AB designs.

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The highly efficient switching power supply is optimized for maximum power transfer from the AC line, to the Class H output stage and then to the loudspeakers.

Sophisticated micro-processor controlled protection systems continuously monitor all aspects of performance and under extreme or abusive conditions the MD14000 and MQ10000 amplifiers will progressively decrease the audio level while endeavouring to find a stable operating level.



AMPLIFIERS

PROFESSIONAL AMPLIFIERS

MA900 MA1700 MA2300 MA3200

2U Professional Power Amplifier

- | Calibrated input attenuators
- | Signal present, Maximum power and Protection
- | XLR and 6.35mm TRS jack paralleled balanced inputs
- | Mode selector (Parallel, Stereo or Bridge)
- | Anti-clipping compressor and Earth-lift switches



MA3800 MA36000

3U Professional Power Amplifier

- | Calibrated input attenuators
- | Signal present, Maximum power and Protection
- | XLR and 6.35mm TRS jack paralleled bal. inputs
- | Mode selector (Parallel, Stereo or Bridge)
- | Anti-clipping compressor and Earth-lift switches



	MA900	MA1700	MA2300	MA3200
POWER (Stereo)	8Ω	2 x 200W	2 x 400W	2 x 600W
	4Ω	2 x 325W	2 x 625W	2 x 875W
	2Ω	2 x 475W	2 x 850W	2 x 1150W
POWER (Bridge)	8Ω	650W	1250W	1750W
	4Ω	950W	1700W	2300W
FREQ. RESPONSE (Half-Power)	15Hz - 25.000Hz (+0/-1dB)			
THD+NOISE@1kHz (Half-Power)	<0.03%			
IMD (60Hz and 7kHz, 4:1)	<0.01%			
SIGNAL TO NOISE RATIO (SNR)	>102dB			
SLEW RATE (Input Filter Limit.)	40V/μs			
DAMPING FACTOR (1kHz@8Ω)	>400:1			
INPUT SENSITIVITY	Selectable (0.77V / 1.0V / 1.44V)			
INPUT IMPEDANCE	10kΩ balanced to ground			
INPUT CONNECTORS	Female XLR-3 and 6.35mm TRS jack			
OUTPUT CIRCUITRY	Class AB	Class AB	Class AB	Class H
OUTPUT CONNECTORS	4 pole Speakon and binding posts			
PROTECTIONS	Full short circuit, open circuit, thermal, soft start, DC, Sub/Ultrasonic and RF			
LED INDICATORS (Per Channel)	Active, signal, limit, protect			
PANEL CONTROLS	Front: 2 input attenuators Rear: Ground lift, mode selection, compressor			
COOLING	Front to back via 2 variable speed fans			
POWER REQUIREMENTS	230VAC, 50Hz-60Hz (others by request)			
DIMENSIONS (WxHxD)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)
WEIGHT	17.4kg (38.36lb)	20.5kg (45.19lb)	23.3kg (51.37lb)	23.2kg (51.15lb)

	MA3800	MA6000
POWER (Stereo)	2 x 1000W	2 x 1400W
	2 x 1500W	2 x 2100W
	2 x 1900W	2 x 3000W
POWER (Bridge)	3000W	4200W
	3800W	6000W
FREQ. RESPONSE (Half-Power)	15Hz - 25.000Hz (+0/-1dB)	
THD+NOISE@1kHz (Half-Power)	<0.035%	
IMD (60Hz and 7kHz, 4:1)	<0.02%	
SIGNAL TO NOISE RATIO (SNR)	>105dB	
SLEW RATE (Input Filter Limit.)	40V/μs	
DAMPING FACTOR (1kHz@8Ω)	>400:1	
INPUT SENSITIVITY	Selectable (0.77V / 1.0V / 1.44V)	
INPUT IMPEDANCE	10kΩ balanced to ground	
INPUT CONNECTORS	Female XLR-3 and 6.35mm TRS jack	Female & Male XLR-3
OUTPUT CIRCUITRY	Class H	Class H
OUTPUT CONNECTORS	4 pole Speakon and binding posts	
PROTECTIONS	Full short circuit, open circuit, thermal, soft start, DC, Sub/Ultrasonic and RF	
LED INDICATORS (Per Channel)	Active, signal, limit, protect	
PANEL CONTROLS	Front: 2 input attenuators Rear: Ground lift, mode selection, compressor	
COOLING	Front to back via 2 variable speed fans	
POWER REQUIREMENTS	230VAC, 50Hz-60Hz (others by request)	
DIMENSIONS (WxHxD)	483mm x 132mm x 465mm (19.02 x 18.31 x 5.2in)	483mm x 132mm x 465mm (19.02 x 18.31 x 5.2in)
WEIGHT	29.4kg (64.82lb)	37.2kg (82.01lb)



AMPLIFIERS

PROFESSIONAL AMPLIFIERS

MQ10000

MD14000

Powersoft X4

Powersoft X8

Professional Class H Amplifier
with Switch Mode Power Supply

- | 4 Channel (MQ10000) and 2 Channel (MD14000) configuration
- | Unprecedented power density
- | Highly efficient variation of the Class H
- | High Voltage with peak limiter
- | Excessive output current warning

1U Amplifier
with DSP

- | 4 Channel (X4) and 8 Channel (X8) configuration
- | High level DSP
- | Active Damping Control
- | Peak and RMS limiters
- | Switching mode power supply with PFC

2U Amplifier
with DSP



MQ10000

MD14000

Powersoft X4

Powersoft X8

PEAK TOTAL POWER	8800W	14000W	20800W	41600W
POWER (Stereo)	8Ω 4 x 1250W	2 x 2350W	4 x 1600W	8 x 1600W
	4Ω 4 x 2100W	2 x 4400W	4 x 3000W	8 x 3000W
	2Ω 4 x 2200W	2 x 7000W	4 x 5200W	8 x 5200W
POWER (Bridge)	16Ω 2 x 2500W	4700W	-	-
	8Ω 2 x 4200W	8800W	2 x 6000W	4 x 6000W
	4Ω 2 x 4440W	14000W	2 x 10400W	4 x 10400W
NUMBER OF CHANNELS	4	2	4	8
THD@1kHz (1dB below Clipping)	<0.05%	<0.05%	<0.01%	<0.01%
SIGNAL TO NOISE RATIO (SNR)	>112dBA	>112dBA	-	-
CROSSTALK	-70dB	-70dB	-70dB	-70dB
GAIN	35dB	35dB	32dB	32dB
INPUT IMPEDANCE	>20kΩ	>20kΩ	20kΩ balanced	20kΩ balanced
INPUT COMMON MODE REJECTION (CMR)	>54dB	>54dB	-	-
DIMENSIONS (WxHxD)	483mm x 88mm x 343mm (19.02 x 3.46 x 13.5in)	483mm x 88mm x 343mm (19.02 x 3.46 x 13.5in)	483mm x 44mm x 495mm (19.02 x 1.73 x 19.49in)	483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
WEIGHT	13.5kg (29.76lb)	12.5kg (27.56lb)	15kg (33.07lb)	24kg (52.91lb)

