

MA1.6s

Light weight, high performance power amplifier

features

- ▶ Switch mode power supply
- ▶ Superior sonic performance
- ▶ Light weight
- ▶ Advanced protection circuits
- ▶ Efficient copper cooling system
- ▶ Minimum load switches (MLS™)



applications

- ▶ Live sound reinforcement
- ▶ Fixed installations

The MA1.6s is one of a range of power amplifiers that have been designed to combine reliability and high power with sonic excellence. Utilising an advanced switch mode power supply, the amplifier is characterised by a very high power-to-weight ratio in a lightweight, 2U package. The innovative technology at the heart of the MA1.6s enables it to set new standards in terms of sonic accuracy, impact and clarity.

technical specifications

MAX OUTPUT POWER

EIA AT 1 kHz AND 1% THD	
MLS in 0dB position	
8 PER CHANNEL	430 W
4 PER CHANNEL	840 W
2 PER CHANNEL	1200 W
8 BRIDGED	1680 W
4 BRIDGED	2400 W

MAX OUTPUT VOLTAGE

8Ω LOAD	59 Vrms
PEAK VOLTAGE, NO LOAD	85 V

DISTORTION

THD 20Hz – 20kHz AND 1 W TO FULL POWER	0.07%
THD AT 1kHz AND –1dB UNDER CLIP	0.01%
DIM AT –3dB UNDER CLIP	0.008%

HUM AND NOISE

< -105dB	
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CHANNEL SEPARATION @ 10kHz

70dB	
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OUTPUT IMPEDANCE

30 mΩ	
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SLEW RATE

60 V/μs	
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INPUTS

GAIN SELECTABLE (dB)	20, 23, 26, 29, 32, 35, 38, 41
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IMPEDANCE

10 kΩ	
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COMMON MODE REJECTION

50dB	
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FRONT PANEL

GAIN CONTROLS	31 position detent
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INDICATORS: PROTECT

Yellow LED	
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INDICATORS: CLIP

Red LED	
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INDICATORS: SIGNAL PRESENT (-40dB)

Green LED	
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REAR PANEL

INPUT CONNECTORS	Neutrik Combo
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LINK CONNECTOR

XLR-male	
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CLIP LIMITERS

On/off each channel	
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MLS SWITCH

0 or -3dB	
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LINK-SWITCH

CH. A-B	
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POWER

OPERATION VOLTAGE	130-270V
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SOFT START

Yes	
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PEAK INRUSH CURRENT

5 A	
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FULL OUTPUT POWER

180-260 V	
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MIN START VOLTAGE

175 V	
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115V OPTION

Yes	
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CURRENT DRAW AT 4Ω/230V

QUIESCENT POWER (NO LOAD)	1 A rms
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1/8 OF FULL POWER (-9dB)	6 A rms
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1/3 OF FULL POWER (-5dB)	9 A rms
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AT FULL POWER (0dB) @ 1kHz 1%THD	16 A rms
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DIMENSIONS

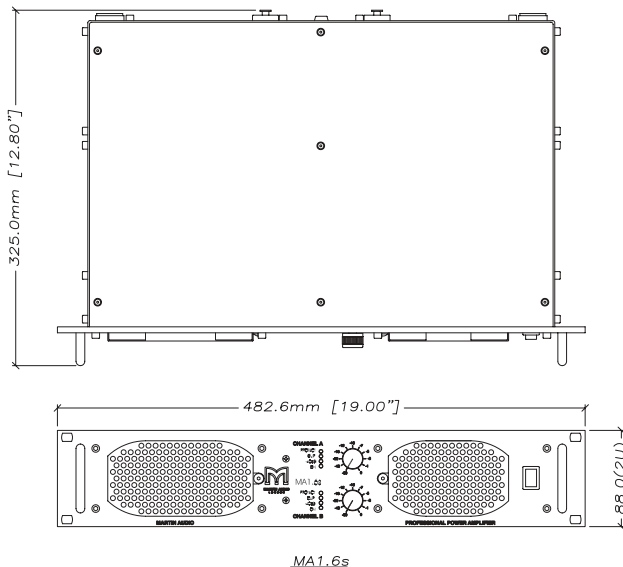
WIDTH	483mm (19ins)
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HEIGHT	88mm (3.5ins) 2U
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DEPTH (incl. handles)	325mm (12.8ins)
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WEIGHT	8kg (18lbs)
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overall dimensions



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