

MAI 400

High performance power amplifier

electronics

features

- ▶ Superior sonic performance
- ▶ Increased output current capacity
- ▶ Versatile input connections
- ▶ Removable dust filters
- ▶ Advanced protection circuits
- ▶ Multiple gain selection
- ▶ Soft Start



applications

- ▶ Live sound reinforcement
- ▶ Fixed installations

The MAI400 is one of a versatile range of professional power amplifiers designed to meet the increasing demands of both the rental and installation markets whilst remaining cost efficient.

By harnessing a conventional toroidal transformer power supply with the latest semiconductor technology and a proprietary copper cooling system the MAI400 amplifier offers outstanding sonic performance, power and reliability in a shallow (359mm) 2U package.

technical specifications

MAX OUTPUT POWER

EIA AT 1 kHz AND 1% THD	
8 PER CHANNEL	425 W
4 PER CHANNEL	700 W
2 PER CHANNEL	1050 W
8 BRIDGED	1400 W
4 BRIDGED	2100 W

MAX OUTPUT VOLTAGE

8Ω LOAD	58 Vrms
PEAK VOLTAGE, NO LOAD	91 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

CHANNEL SEPARATION @ 10kHz	< -105dB
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OUTPUT IMPEDANCE

SLEW RATE	70dB
	30 mΩ
	45 V/μs

INPUTS

GAIN SELECTABLE (dB)	20, 23, 26, 29, 32, 35, 38, 41
IMPEDANCE	20 kΩ (balanced) 10 kΩ single ended
COMMON MODE REJECTION	50dB

FRONT PANEL

GAIN CONTROLS	31 position detent
INDICATORS: PROTECT	Yellow LED
INDICATORS: CLIP	Red LED
INDICATORS: SIGNAL PRESENT (-40dB)	Green LED

REAR PANEL

INPUT CONNECTORS	Neutrik Combo + 3 pin Phoenix
CLIP LIMITERS	On/off each channel

POWER

OPERATION VOLTAGE	150-260 V
SOFT START	Yes
PEAK INRUSH CURRENT	20 A
FULL OUTPUT POWER	230 W
MIN START VOLTAGE	180 V
115V OPTION	Yes

CURRENT DRAW AT 4Ω/230V

QUIESCENT POWER (NO LOAD)	0.75 A rms
1/8 OF FULL POWER (-9dB)	5.2 A
1/3 OF FULL POWER (-5dB)	8.0 A
AT FULL POWER (0dB) @ 1kHz 1%THD	14.0 A

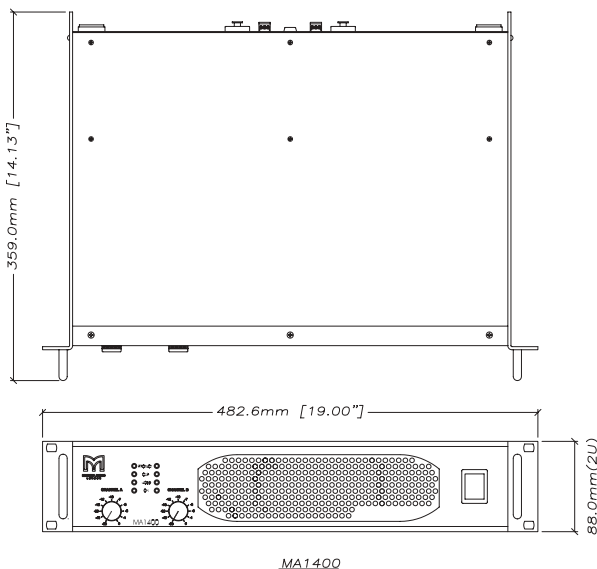
DIMENSIONS

WIDTH	483mm (19ins)
HEIGHT	88mm (3.5ins) 2U
DEPTH (incl. handles)	359mm (14.1ins)

WEIGHT

	17kg (37lbs)
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overall dimensions



Century Point, Halifax Road, Cressex Business Park,
High Wycombe, Buckinghamshire HP12 3SL, England.
Telephone: +44 (0)1494 535312 Facsimile: +44 (0)1494 438669
E-mail: info@martin-audio.com
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