

# DMA 82

## TWO CHANNELS MATRIX AMPLIFIER

### DESCRIPTION

DMA 82 is a two channels Class-D matrix amplifier equipped with a powerful DSP platform, allowing managing inputs and outputs in terms of routing and equalization. A complete set of processing functions is available, including presets for RCF speakers, proprietary bass enhancer algorithm, FIR filters, and environmental equalization. Thanks to its extremely compact size, accurate design, and robustness, it is ideal for a wide range of business music applications.



### FEATURES

- 2 x 80 W Class-D power amplifier
- 20 ÷ 20000 Hz frequency range
- Full on-board processing
- RCF speakers' presets
- Proprietary bass enhancer algorithm
- FiRPHASE linear phase filters
- Flexible and scalable multi-room architecture
- Suitable for desktop or rack installation
- RDNet ready for networked management
- Remote controls and paging console accessories

## TECHNICAL SPECIFICATIONS

### Amplifier specifications

Amplifier Class:	D
Number of channels:	2
Power output per channel (@ 4 ohm):	80 W RMS
Power output (bridged @ 4 ohm):	160 W RMS
Power output (hi-Z):	160 W RMS
Frequency Response (-3dB):	20 Hz ÷ 20000 Hz
Signal/noise rate ("A" weighted)	>93 dB
Distortion (THD+N) @ 1 kHz nominal power:	<0.01 %

### Input section

Total number of inputs:	4
Balanced:	2
Unbalanced:	2
Mono:	2
Stereo:	2
VOX:	Yes
Line inputs:	2
Line connectors:	JACK, RCA
Mic+Line inputs:	1
Mic+Line connectors:	Euroblock
VOX:	Yes
Paging inputs:	1
Paging connectors:	RJ45
Paging command:	Contact
General Purpose Inputs (GPI):	1

### Output section

Signal output number:	1
Signal output connectors:	RCA
Power output connectors:	Euroblock

### Processing

DSP:	Yes
EQ Filters:	Yes
FIR:	Yes
Compressors:	Yes
Tone controls:	Yes
High-pass filter:	80 Hz ÷ 200 Hz

### Controls

Configuration:	Front panel, PC Software
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### Protections

Cooling:	Forced
Short circuit:	Yes
Thermal:	Yes
DC:	Yes
Fuses:	Yes
VHF (Very High Frequencies):	Yes

<b>Power requirement</b>	Operating voltage:	90-240 V- 50/60Hz
	Power consumption:	200 W
<b>Standard compliance</b>	CE marking:	Yes
	Energy Star:	Yes
<b>Physical specifications</b>	Cabinet/Case Material:	Metal
	Color:	Black
	Rack mounting:	1/2 19", 1U , Optional rack mounting accessory required
<b>Size</b>	Height:	44 mm / 1.73 inches
	Width:	213 mm / 8.39 inches
	Depth:	314 mm / 12.36 inches
	Weight:	1.7 kg / 3.75 lbs
<b>Shipping informations</b>	Package Height:	106 mm / 4.17 inches
	Package Width:	360 mm / 14.17 inches
	Package Depth:	381 mm / 15 inches
	Package Weight:	2.7 kg / 5.95 lbs

**PART NUMBER**• **12100043**

DMA 82 UK

UK

EAN 8024530018436

• **12100040**

DMA 82 US

US

EAN 8024530018405

• **12100026**

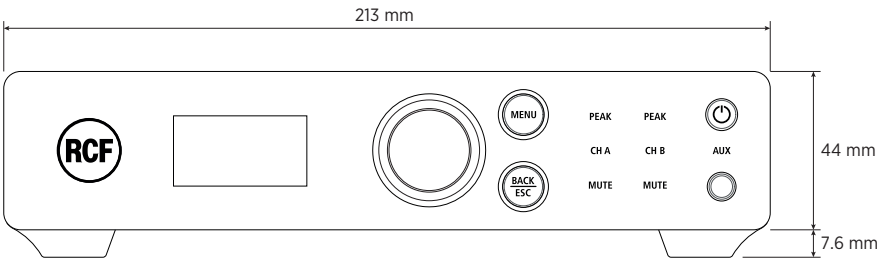
DMA 82 EU

EU

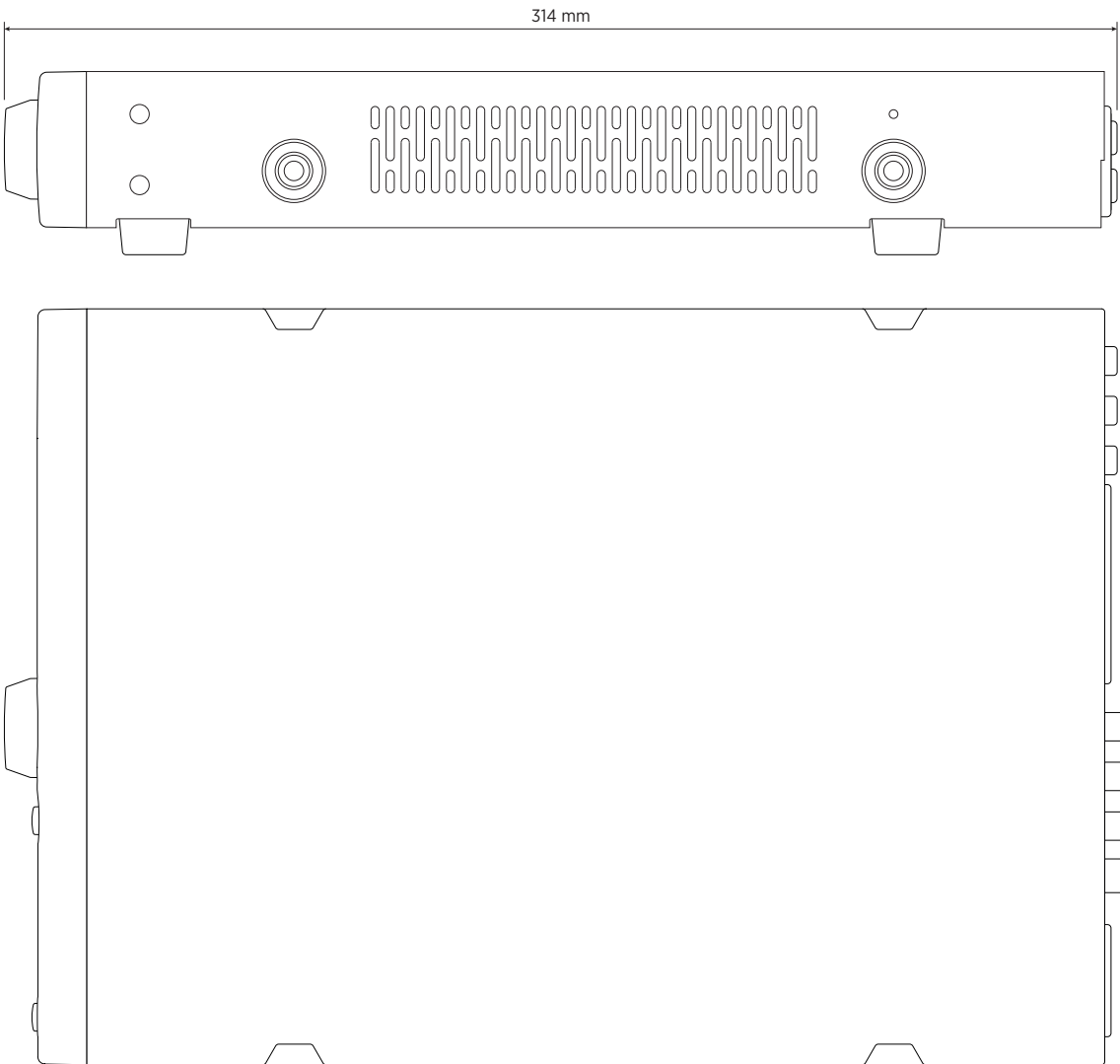
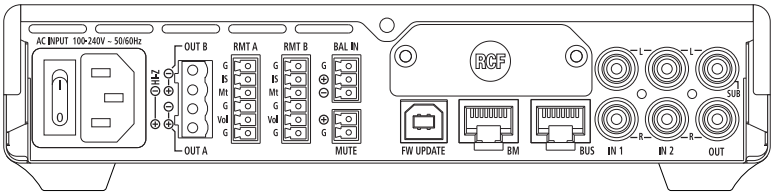
EAN 8024530017149

DRAWINGS

Front panel



Rear panel



**ACCESSORIES**

ACCESSORY RC 401 EU B

PART NUMBER **12399051**  
EAN: 8024530017217



ACCESSORY RC 401 EU W

PART NUMBER **12399052**  
EAN: 8024530017224



ACCESSORY RC 401 US B

PART NUMBER **12399053**  
EAN: 8024530017231



ACCESSORY RC 401 US W

PART NUMBER **12399054**  
EAN: 8024530017248



ACCESSORY RDNET BOARD DMA

PART NUMBER **12399048**  
EAN: 8024530017750



MIC CONSOLE BM 404

PART NUMBER **14322031**  
EAN:



RACK ACCESSORY AR 1050

PART NUMBER **17360039**  
EAN: 8024530016180



RACK MOUNT KIT RM-KIT DMA

PART NUMBER **13360426**  
EAN: 8024530017415

## **A&E SPECIFICATIONS**

The product shall be a two-channel class-D matrix amplifier, equipped with a powerful DSP platform, allowing managing inputs and outputs in terms of routing and equalization; moreover, dedicated presets for speakers have been implemented to optimize its acoustic performance.

Output power: either 2 channels x 80 W RMS @ 4 ohm (each) or a single 160 W 70 V line.

It shall be suitable for either desktop or rack installation.

It shall have 2 stereo LINE audio inputs on RCA connectors, 1 MIC+LINE balanced audio input on removable screw terminals and a LINE audio output with a switchable low-pass filter useful for the connection to an active subwoofer. A dedicated input having RJ 45 connector allows the connection of up to four dedicated paging microphones (interlocked one another on a single chain).

A wall-mount remote control can be linked to each output channel in order to adjust its respective volume level and select the desired audio input.

Up to 4 audio channels can be sent to additional amplifiers (through a BUS with a single CAT5 cable), combining a flexible and scalable multi-room architecture with an easy connection and installation.

Its configuration shall be user friendly and carried out through either its front panel controls (with OLED display) or RDNet (when dedicated optional board is installed).

The matrix amplifier can be installed into a 19" rack cabinet through an optional accessory (required for every pair, as each needs half a rack unit).