



# DMA 82

## TWO CHANNELS MATRIX AMPLIFIER



### Description

DMA 82 is a two-channel class-D matrix amplifiers 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 PEQ, FIR filters, bass enhancement, limiters, compressors and environmental equalization); moreover, dedicated presets for RCF speakers have been implemented to optimize their acoustic performance. It can distribute 4 audio channels to DMA 162P units through an analogue audio BUS, combining a flexible and scalable multi-room architecture with an easy connection and installation. Its configuration is simple and user friendly and can be carried out through either its front panel controls (with OLED display) or RDNet. Thanks to its installation flexibility, accurate design, and robustness, it is ideal for a wide range of business music and installed sound 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

### Part Number

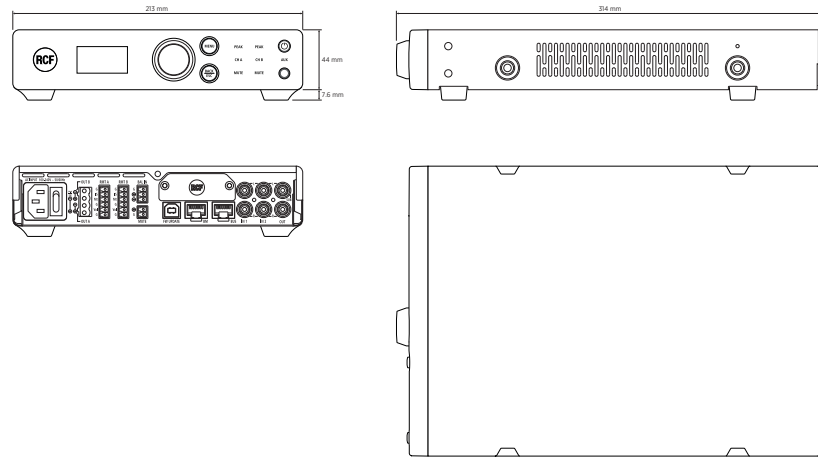
12100026	DMA 82 EU	EU	90-240 V	Black	EAN 8024530017149
12100040	DMA 82 US	US	90-240 V	Black	EAN 8024530018405
12100043	DMA 82 UK	UK	90-240 V	Black	EAN 8024530018436



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Line Art 2D



### Amplifier specifications

#### TECHNICAL SPECIFICATIONS

Amplifier Class	D
Output Power	2 x 80 W @ 4 ohm 2 x 80 W @ 8 ohm 1 x 160 W @ 4 ohm (bridge) 1 x 160 W @ 8 ohm (bridge) 1 x 160 W @ 70 V
Output power @ 70 V	1 x 160 W @ 70 V
Frequency Response (-3dB)	20 Hz ÷ 20000 Hz
Distortion (THD+N) @ 1 kHz nominal power	<0.01 %

### Input section

Total number of inputs	5
Balanced	2
Unbalanced	3
Mono	2
Stereo	3
VOX	Yes
Line inputs	3
Line connectors	JACK, Picoflex, 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



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<b>Processing</b>	DSP	Yes	
	EQ Filters	Yes	
	FIR	Yes	
	Compressors	Yes	
	Tone controls	Yes	
	High-pass filter	80 Hz ÷ 200 Hz	
<b>Configuration and control</b>	Configuration	Front panel, PC Software	
	RCF speakers presets	Yes	
	Protocols for system integration	Proprietary	
	RNet	Yes	
<b>Protections</b>	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>	Safety agency	CE compliant, UL 62368-1	
<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>ACCESSORIES</b>		
<b>Electronics</b>	BM 404	14322031	8024530017903
	BT BOARD DMA	12399065	8024530018788
	RC 401 EU	12399051	8024530017217
	RC 401 EU	12399052	8024530017224
	RC 401 US	12399053	8024530017231
	RC 401 US	12399054	8024530017248
	RNET BOARD DMA	12399048	8024530017750
	TRF-KIT DMA 82	12399068	8024530020828
<b>Rack Components</b>	AR 1050	17360039	8024530016180
	RM-KIT DMA	13360426	8024530017415