

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

TECHNICAL SPECIFICATIONS

Amplifier specifications	Amplifier Class:	D
	Output power (all channels driven):	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)
	Output power @ 70 V:	1 x 160 W @ 70 V
	Frequency Response (-3dB):	20 Hz ÷ 20000 Hz
	SNR Analog inputs ("A" weighted):	>93 dB
	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
Processing	DSP:	Yes
	EQ Filters:	Yes
	FIR:	Yes
	Compressors:	Yes
	Tone controls:	Yes
	High-pass filter:	80 Hz ÷ 200 Hz
Configuration and control	Configuration:	Front panel, PC Software
	RCF speakers presets:	Yes
	Protocols for system integration:	Proprietary
	RDNet:	Yes



Protections	Cooling:	Forced
	Short circuit:	Yes
	Thermal:	Yes
	DC:	Yes
	Fuses:	Yes
	VHF (Very High Frequencies):	Yes
Power requirement	Operating voltage:	90-240 V- 50/60Hz
	Power consumption:	200 W
Standard compliance	Safety agency:	CE compliant, UL 62368-1
Physical specifications	Cabinet/Case Material:	Metal
	Color:	Black
	Rack mounting:	1/2 19", 1U , Optional rack mounting accessory required
Size	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
Shipping information	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

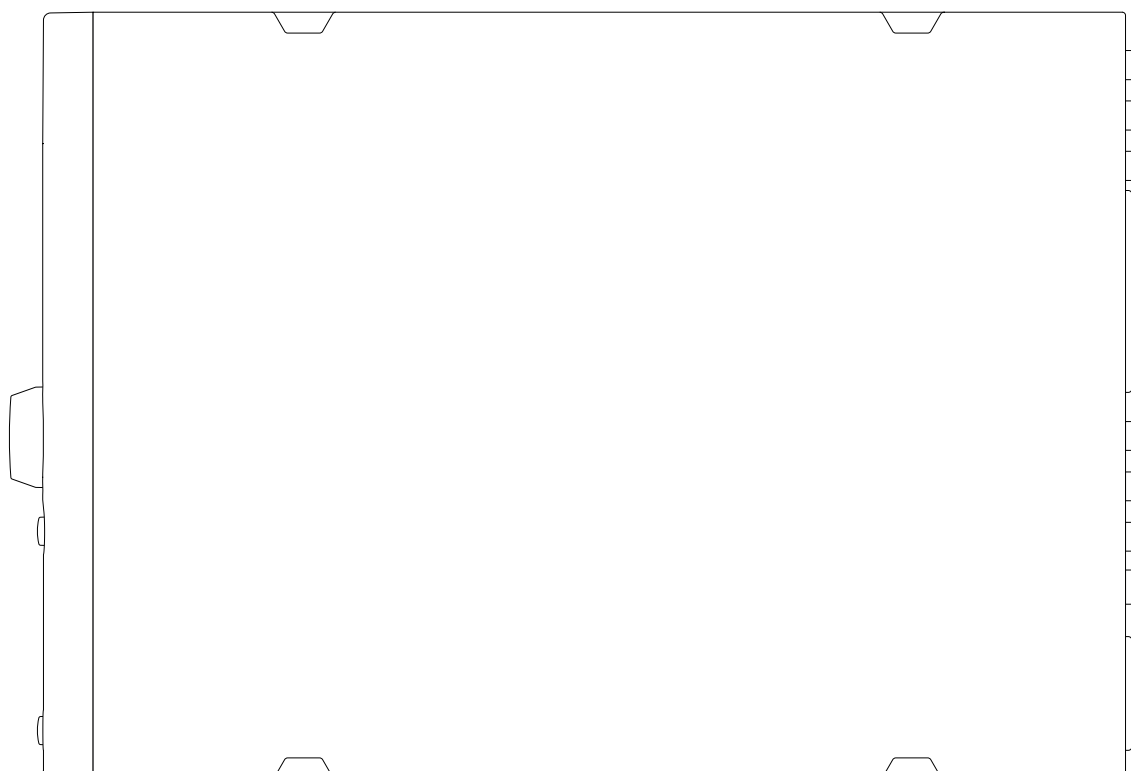
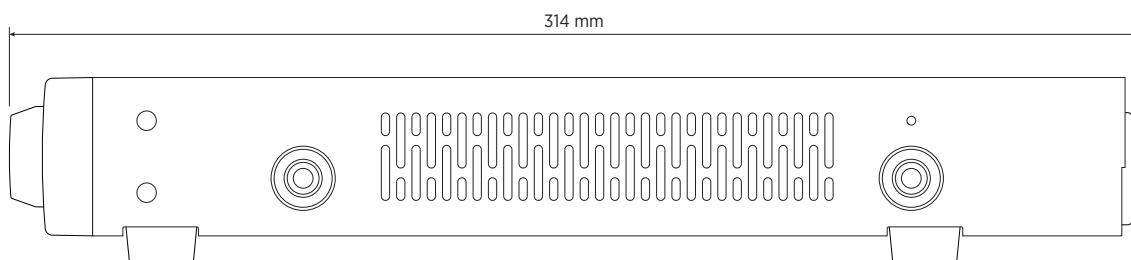
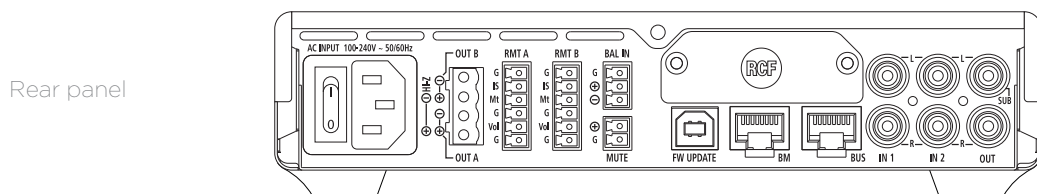
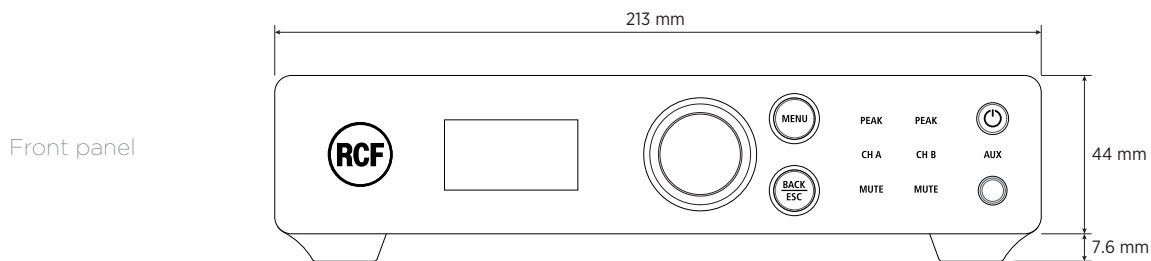
PART NUMBER

- **12100043**
DMA 82 UK
UK
EAN 8024530018436

- **12100040**
DMA 82 US
US
EAN 8024530018405

- **12100026**
DMA 82 EU
EU
EAN 8024530017149

DRAWINGS



ACCESSORIES

ACCESSORY BT BOARD DMA

PART NUMBER **12399065**
EAN: 8024530018788

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: 8024530017903

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 Hi-Z 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).