

# DMA 162P

## TWO CHANNELS POWER AMPLIFIER

### DESCRIPTION

DMA 162P is a two channels Class-D power amplifier, equipped with a powerful DSP platform. Its natural use is in combination with a DMA unit, in order to increase installed power and implement multi-room architectures for Commercial Audio systems. However, its adaptability, control tools, and available inputs allow using it as a stand-alone amplifier: in fact, adding the optional RDNet board the user can manage all DSP functions and choose the specific RCF speakers preset. Thanks to the extremely compact size, accurate design, and robustness, it is ideal for a wide range of business music applications.



### FEATURES

- 2 x 160 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

## TECHNICAL SPECIFICATIONS

<b>Amplifier specifications</b>	Amplifier Class:	D
	Output power (all channels driven):	2 x 160 W @ 4 ohm 2 x 160 W @ 8 ohm 1 x 320 W @ 4 ohm (bridge) 1 x 320 W @ 8 ohm (bridge)
	Output power @ 70 V:	1 x 320 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 %
<b>Input section</b>	Total number of inputs:	6
	Balanced:	4
	Unbalanced:	2
	Mono:	4
	Stereo:	2
	Line inputs:	6
	Line connectors:	Picoflex, RCA, RJ45
	General Purpose Inputs (GPI):	2
<b>Output section</b>	Signal output number:	1
	Signal output connectors:	RCA
	Power output connectors:	Euroblock
<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:	DIP switch, PC Software
	RCF speakers presets:	Yes
	Protocols for system integration:	Proprietary
	RNet:	Ready
<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:	400 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:	304 mm / 11.97 inches
	Weight:	1.65 kg / 3.64 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:	2.65 kg / 5.84 lbs

**PART NUMBER**

• **12100045**

DMA 162P UK  
 UK  
 EAN 8024530018450

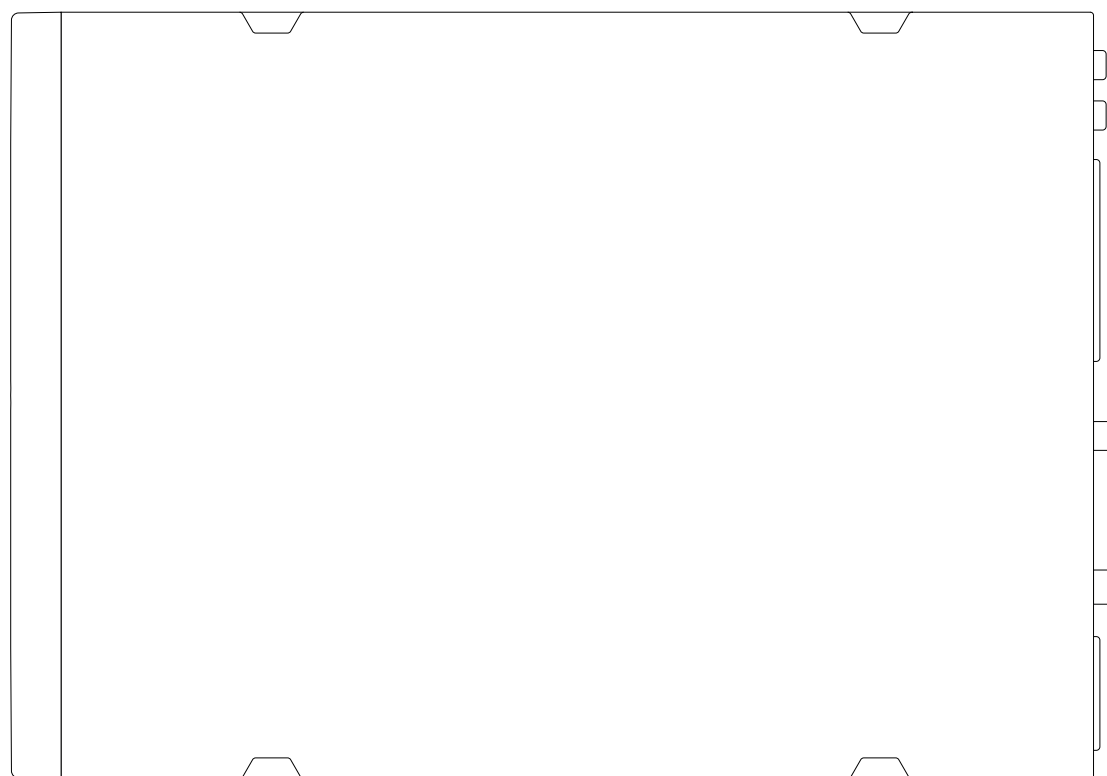
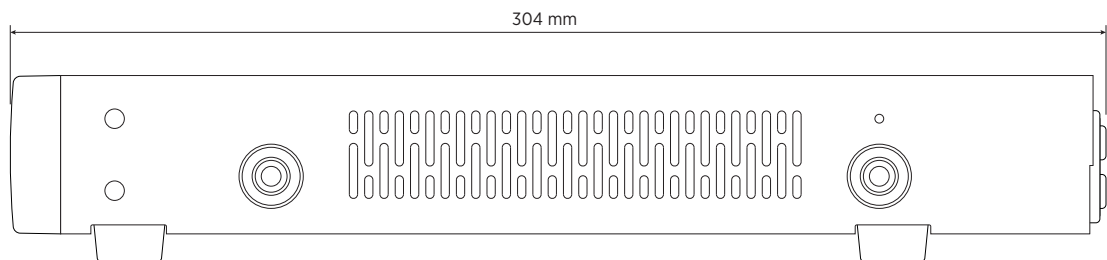
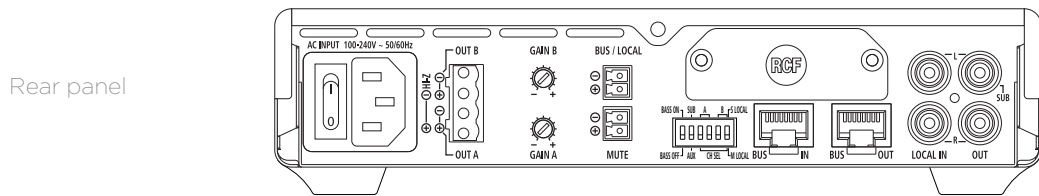
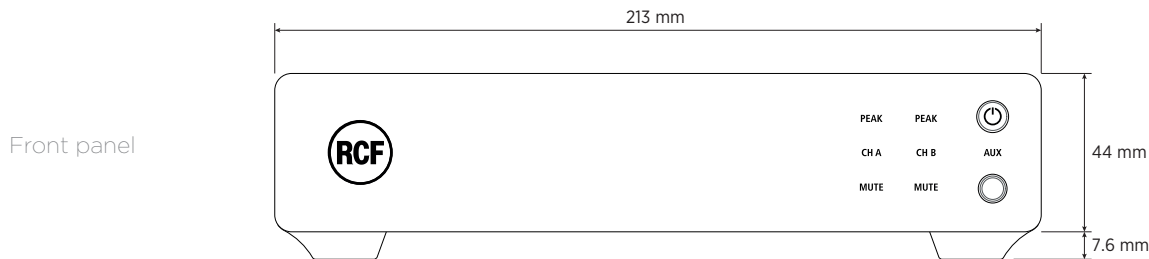
• **12100042**

DMA 162P US  
 US  
 EAN 8024530018429

• **12100028**

DMA 162P EU  
 EU  
 EAN 8024530017163

**DRAWINGS**



**ACCESSORIES**

ACCESSORY BT BOARD DMA

PART NUMBER **12399065**  
EAN: 8024530018788

ACCESSORY RDNET BOARD DMA

PART NUMBER **12399048**  
EAN: 8024530017750

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 power amplifier.

Output power: either 2 channels x 160 W RMS @ 4 ohm (each) or a single 320 W Hi-Z line.

Up to 4 amplifiers can be linked to a single matrix amplifier unit in order to increase the system output power and implement multi-room architectures. Yet, each amplifier can be used as a stand alone amplifier as well.

It shall be suitable for either desktop or rack installation.

It can receive processed audio signals from a matrix amplifier on a four-channel audio BUS (CAT5 cable), or as alternative, it is possible to select the local stereo LINE input (by closing the dedicated contact).

A LINE output is also available, with a switchable low-pass filter for the connection to an active subwoofer.

Its configuration can be carried out through either the dip-switches on its rear panel or RNet® (when its optional board is installed).

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

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