

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

Amplifier specifications

Amplifier Class:	D
Number of channels:	2
Power output per channel (@ 4 ohm):	160 W RMS
Power output (bridged @ 4 ohm):	320 W RMS
Power output (Hi-Z):	320 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:	6
Balanced:	4
Unbalanced:	2
Mono:	4
Stereo:	2
Line inputs:	6
Line connectors:	Picoflex, RCA, RJ45
General Purpose Inputs (GPI):	2

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:	DIP switch, PC Software
Protocols for system integration:	Proprietary

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:	400 W

Standard compliance

CE marking:	Yes
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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:	304 mm / 11.97 inches
	Weight:	1.65 kg / 3.64 lbs

Shipping informations	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

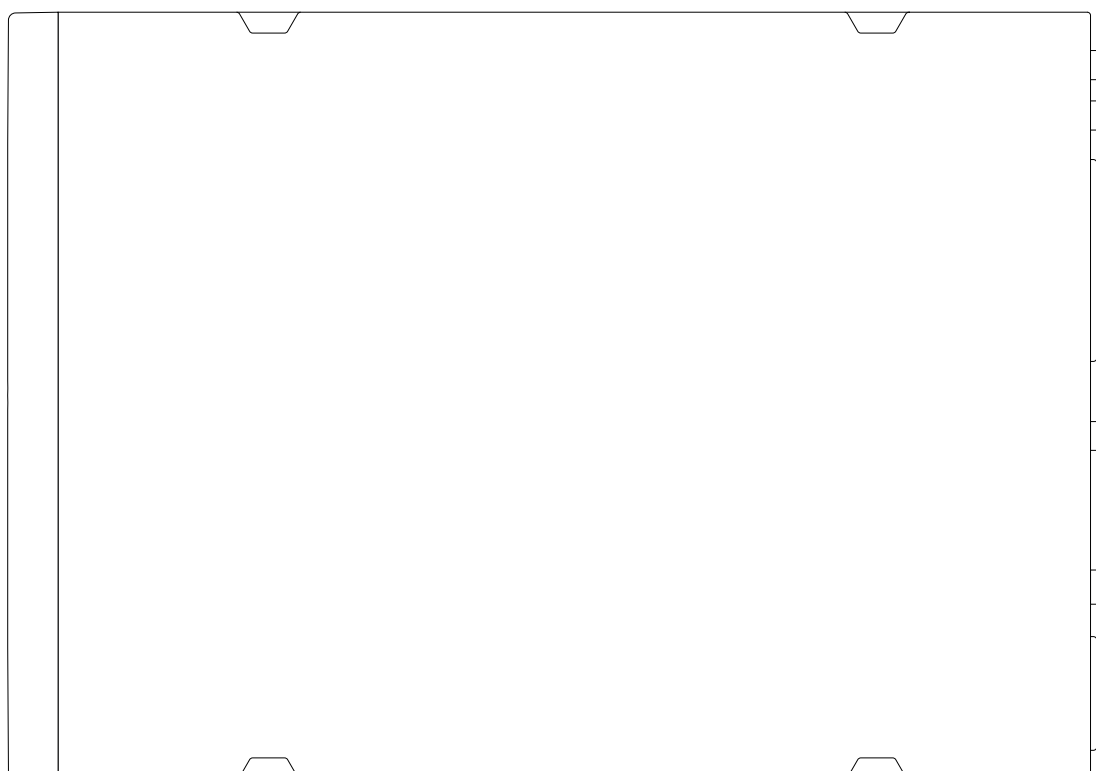
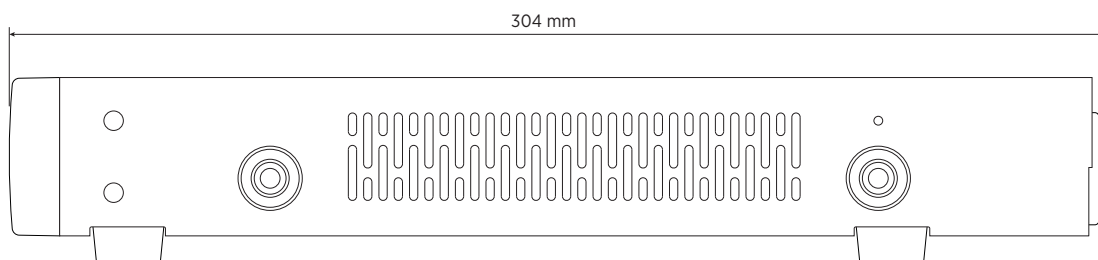
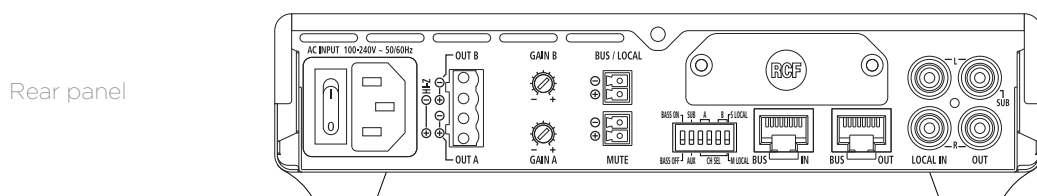
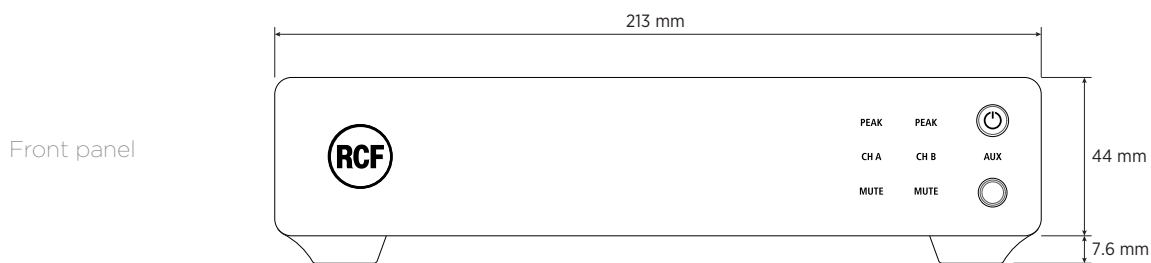
• **12100042**

DMA 162P US
 US
 EAN 8024530018429

• **12100028**

DMA 162P EU
 EU
 EAN 8024530017163

DRAWINGS



ACCESSORIES

ACCESSORY 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 though 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).
