

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
	Output Power 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 SNR Analog inputs ("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
Configuration and control	Configuration	DIP switch, PC Software
	RCF speakers presets	Yes
	Protocols for system integration	Proprietary
	RNet	Ready
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	Safety agency	CE compliant, UL 62368-1

Physical specifications	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 information	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**

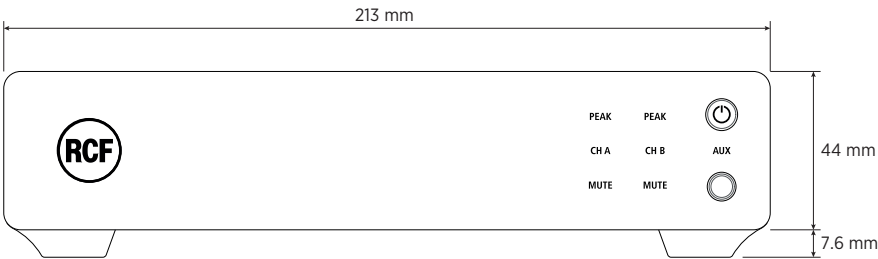
DMA 162P EU

EU

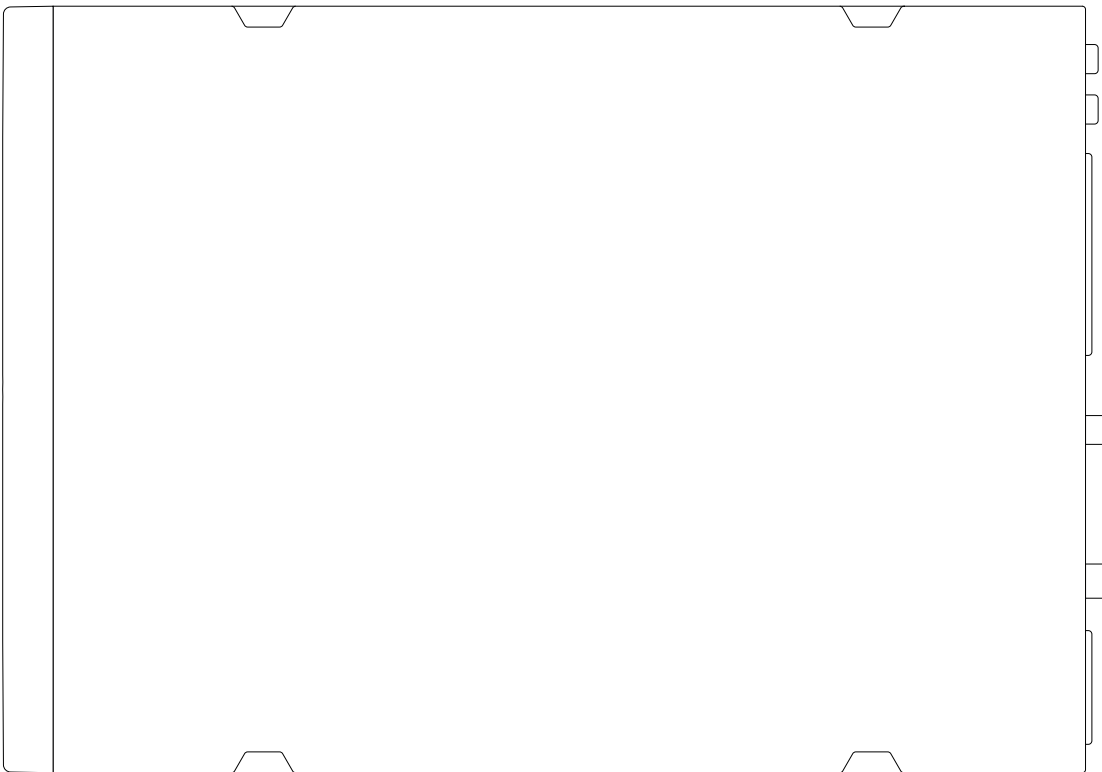
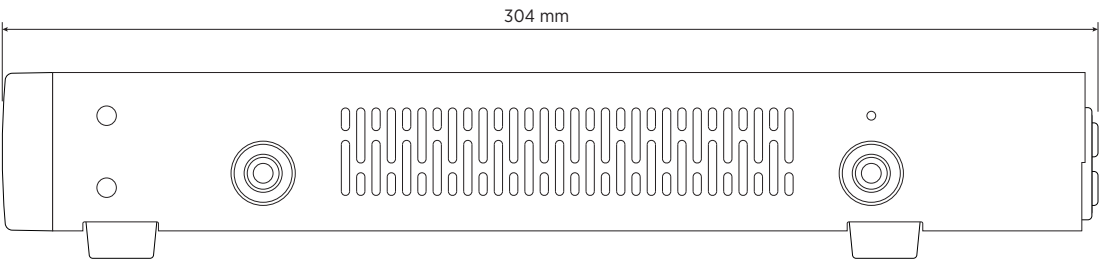
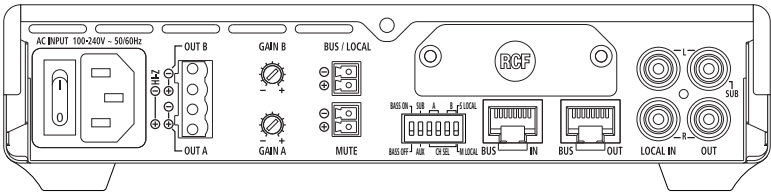
EAN 8024530017163

DRAWINGS

Front panel



Rear panel



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



TRANSFORMER TRF-KIT DMA 162

PART NUMBER **12399069**
EAN: 8024530020835

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 RDNet® (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).