

DMA 504

FOUR CHANNELS MATRIX AMPLIFIER

DESCRIPTION

DMA 504 is a four-channel Class-D matrix amplifier providing 4 power outputs of 500 Watts each. Equipped with a powerful DSP platform, inputs and outputs can be managed in terms of routing and equalization. The complete set of processing functions includes PEQ, FIR filters, bass enhancement, limiters, compressors, and environmental equalization. Presets for RCF speakers are available on each channel for optimal acoustic performance and reliability. It can distribute 4 audio channels to other units through an analog audio BUS, combining a flexible and scalable multi-room architecture with an easy connection and installation. Configuration is simple and user-friendly and can be carried out through either the front panel controls (with OLED display) or RDNet. Thanks to its installation flexibility, accurate design, and robustness, DMA 504 is ideal for a wide range of business music and installed sound applications.



FEATURES

- 4 x 500 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
- RDNet for networked management
- Remote controls and paging console accessories

TECHNICAL SPECIFICATIONS

Amplifier specifications	Amplifier Class	D
	Output Power Output power (EIAJ 8:32 all channels driven):	4 x 700 W @ 2.7 ohm 4 x 500 W @ 4 ohm 4 x 300 W @ 8 ohm 2 x 1100 W @ 4 ohm (bridge) 2 x 1000 W @ 8 ohm (bridge)
	Output power @ 70 V	2 x 1000 W @ 70 V
	Frequency Response (-3dB)	20 Hz ÷ 20000 Hz
	Distortion (THD+N) @ 1 kHz nominal power	<0.05 %
Input section	Total number of inputs	5
	Balanced	2
	Unbalanced	3
	Mono	2
	Stereo	3
	Line inputs	3
	Mic+Line inputs	1
	VOX	Yes
	Paging inputs	1
	Paging command	Contact
General Purpose Inputs (GPI)	1	
Output section	Signal output number	1
Processing	DSP	Yes
	EQ Filters	Yes
	FIR	Yes
	Compressors	Yes
	Tone controls	Yes
	High-pass filter	80 Hz ÷ 200 Hz
Configuration and control	RCF speakers presets	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	800 W
Standard compliance	Safety agency	CE compliant
Physical specifications	Color	Black
	Rack mounting	19", 2U



Size	Height	96 mm / 3.78 inches
	Width	430 mm / 16.93 inches
	Depth	360 mm / 14.17 inches
	Weight	6.2 kg / 13.67 lbs

Shipping information	Package Height	210 mm / 8.27 inches
	Package Width	550 mm / 21.65 inches
	Package Depth	470 mm / 18.5 inches
	Package Weight	7.6 kg / 16.76 lbs

PART NUMBER• **12100049**

DMA 504 UK

UK

EAN 8024530020378

• **12100048**

DMA 504 US

US

EAN 8024530020361

• **12100035**

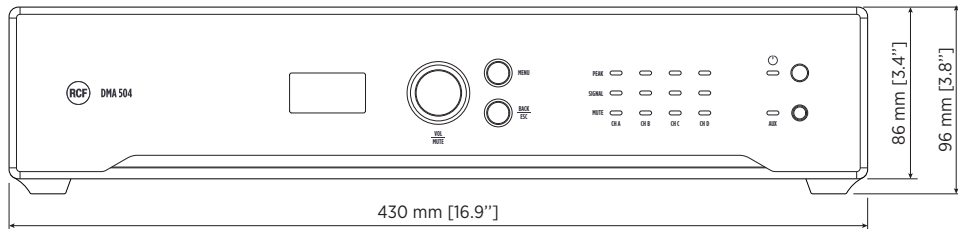
DMA 504

EU

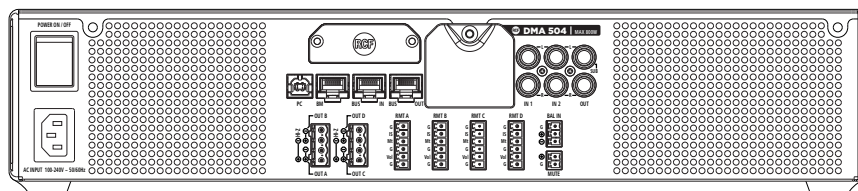
EAN 8024530018764

DRAWINGS

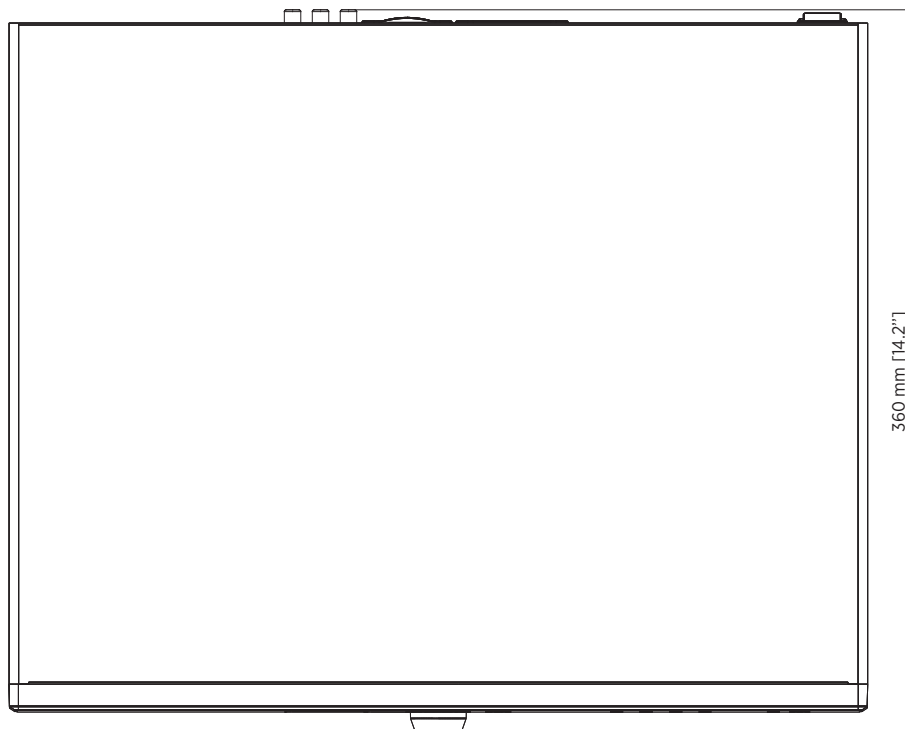
Front view



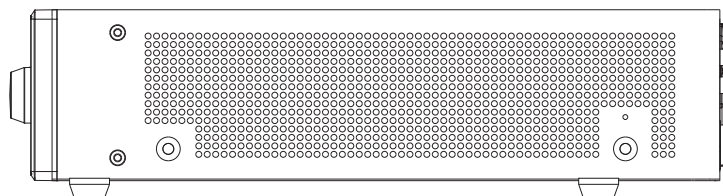
Rear view



Top view



Side view



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 RNET 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

A&E SPECIFICATIONS

The product shall be a four-channel class-D matrix amplifier, equipped with a powerful DSP platform, allowing managing inputs and outputs in terms of routing and equalization. It shall offer output power both four-channels x 500 W RMS @ 4 ohm (each) or two-channels 1000 W Hi-Z line. It shall be suitable for both 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.