



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

Part Number

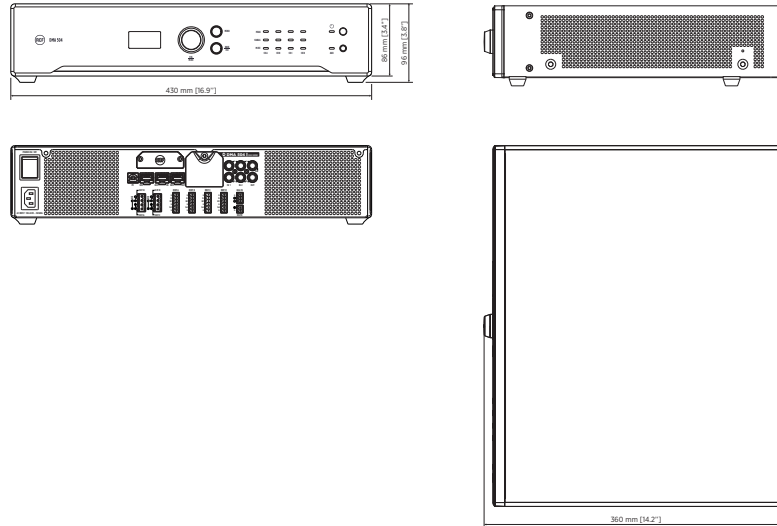
12100035	DMA 504	EU	90-240 V	Black	EAN 8024530018764
12100048	DMA 504 US	US	90-240 V	Black	EAN 8024530020361
12100049	DMA 504 UK	UK	90-240 V	Black	EAN 8024530020378



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Line Art 2D



Amplifier specifications

TECHNICAL SPECIFICATIONS

Amplifier Class	D
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
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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
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Protections	Cooling Short circuit Thermal DC Fuses VHF (Very High Frequencies)	Forced Yes Yes Yes Yes Yes
Power requirement	Operating voltage Power consumption	90-240 V- 50/60Hz 800 W
Standard compliance	Safety agency	CE compliant
Physical specifications	Cabinet/Case Material Color Rack mounting	Metal Black 19", 2U
Size / Weight	Height Width Depth Weight	96 mm / 3.78 inches 430 mm / 16.93 inches 360 mm / 14.17 inches 6.2 kg / 13.67 lbs
	ACCESSORIES	
Electronics	BOARDS 12399065 BT BOARD DMA 12399048 RDNET BOARD DMA	Black - RAL 9005 EAN 8024530018788 Black EAN 8024530017750
	DESKTOP MICROPHONE 14322031 BM 404	Black - RAL 9005 EAN 8024530017903
	WALL MOUNT REMOTE CONTROLS 12399051 RC 401 EU 12399052 RC 401 EU 12399053 RC 401 US 12399054 RC 401 US	Black - RAL 9005 EAN 8024530017217 White - RAL 9003 EAN 8024530017224 Black - RAL 9005 EAN 8024530017231 White - RAL 9003 EAN 8024530017248
Rack Components	RACK MOUNT KITS 17360039 AR 1050	Grey EAN 8024530016180