



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

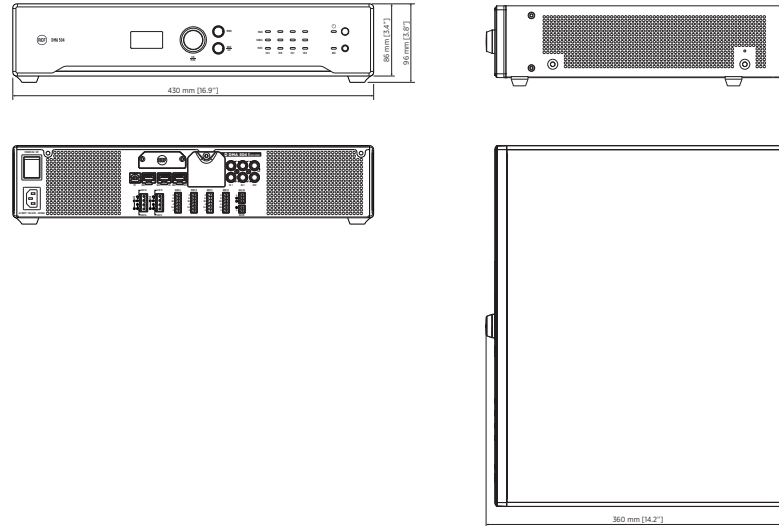
12100035	DMA 504	EU	90-240 V	Black	EAN 8024530018764
12100048	DMA 504 US	US	90-240 V	Black	EAN 8024530020361
12100049	DMA 504 UK	UK	90-240 V	Black	EAN 8024530020378



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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	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	Cabinet/Case Material	Metal	
	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	
	ACCESSORIES		
Electronics	BM 404	14322031	8024530017903
	BT BOARD DMA	12399065	8024530018788
	RC 401 EU	12399051	8024530017217
	RC 401 EU	12399052	8024530017224
	RC 401 US	12399053	8024530017231
	RC 401 US	12399054	8024530017248
	RNET BOARD DMA	12399048	8024530017750
Rack Components	AR 1050	17360039	8024530016180