RAM Audio

MDi Series



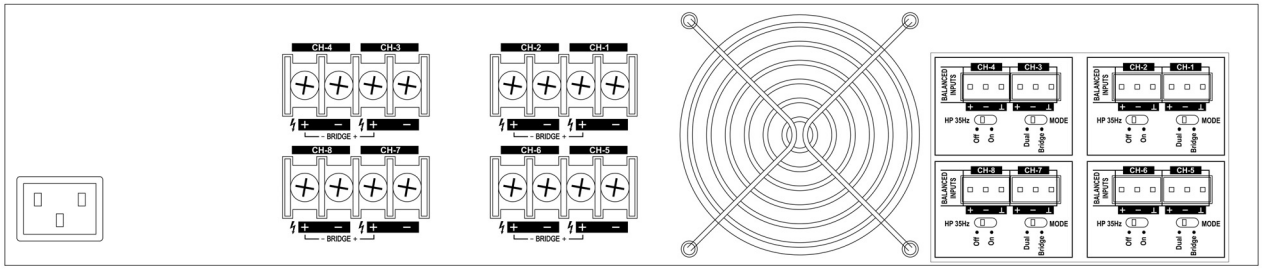
Dante™
AES67

- Hi audio quality in an extremely efficient class D design
- Last generation PFC QuantaPulse™ switch mode PS
- 2/4/8 channels models from 1400W up to 12000W
- Analogue, AES67 (ATMOS and RAVENNA compatible) or Dante™ audio inputs
- Barrier Strips/Phoenix style or XLR/Speakon connectors
- 70V/100V Line Direct/Drive Output
- Ultra light weight 5.5kg, compact package 40cm deep
- RAM Audio Power Management System (PMS™)
- Up-side-down design to avoid fan dust acumulation
- Detented sealed potentiometers
- Optionally tamper proof potentiometers
- Comprehensive protection set (ICL, PMS, turn-on, Temp, DC....)
- Modular construction for an easy after-sales service
- Temperature controlled, front to back cooling

MDi Series is the newest solution from RAM Audio for fixed installations, where state-of-the-art amplification technology has been used to manage acoustic systems in the most efficient and greenest way possible, without diminishing quality of sound and dynamics that have always typified RAM Audio amplifiers.

A new generation of QuantaPulse switching mode power supplies with Power Factor Correction to improve efficiency, with a schematic thought to give a very high capacity of instantaneous power, together with very evolved high efficiency audio modules in class D with an excellent quality of sound, are the basis on which RAM Audio has developed this new series that is capable of offering the most optimal solution to the very exigent fixed-installations market.

OUTPUT POWER	MDi2-1K4	MDi2-2K7	MDi2-6K	MDi4-2K4	MDi4-6K	MDi4-12K	MDi8-2K7	MDi8-6K
4 Ohm	2x 700 W	2x 1350 W	2x 3000 W	4x 610 W	4x 1500 W	4x 3000 W	8x 340 W	8x 750 W
8 Ohm	2x 375 W	2x 900 W	2x 1500 W	4x 350 W	4x 800 W	4x 1500 W	8x 225 W	8x 400 W
High Z 70V	-	2x 1350 W	-	-	4x 1500 W	-	4x 680 W	-
High Z 100V	1x 1400 W	-	2x 3000 W	2x 1200 W	-	4x 3000 W	-	4x 1500 W
WEIGHT	5kg-11lb	5kg-11lb	6kg-13.2lb	5kg-11lb	7.5kg-16.5lb	9.5kg-20.9lb	7.5kg-16.5lb	8kg-17.6lb
DEPTH	25.4cm-10"	25.4cm-10"	25.4cm-10"	25.4cm-10"	39.6cm-15.6"	39.60cm-15.6"	39.6cm-15.6"	39.6cm-15.6"



MDi Technical Specifications

	MDi2-1K4	MDi2-2K7	MDi2-6K	MDi4-2K4	MDi4-6K	MDi4-12K	MDi8-2K7	MDi8-6K
Output Power*								
@ 4 ohm	2x 700W	2x 1350W	2x 3000W	4x 610W	4x 1500W	4x 3000W	8x 340W	8x 750W
@ 8 ohm	2x 375W	2x 900W	2x 1500W	4x 350W	4x 800W	4x 1500W	8x 225W	8x 400W
Bridge @ 8 ohm	1x 1400W	-	-	2x 1220W	-	-	4x 680W	4x 1500W
High Z								
70Vrms/100Vpeak	-	2x 1350W	-	-	4x 1500W	-	4x 680W	-
100Vrms/140Vpeak	1x 1400W	-	2x 3000W	2x 1200W	-	4x 3000W	-	4x 1500W
Frequency Response								
Power Bandwidth ±0.25dB	20Hz-20kHz							
Total Harmonic Distortion								
20Hz-20kHz	<0.05%							
Intermodulation Distortion								
SMPTE	<0.05%							
Damping Factor								
20-500Hz @8 ohm	>400							
Crosstalk								
20Hz-1kHz (typical)	>70dB							
Voltage Gain	32dB							
Sensitivity								
Rated Power(@32dB)	1.4 V	2.1 V	2.8 V	1.3 V	2 V	2.8 V	1.1 V	1.4 V
Signal-to-Noise Ratio								
20Hz-20kHz	101dBA	103dBA	104dBA	105dBA	101dBA	103dBA	104dBA	104dBA
Required AC Mains								
V AC (50Hz-60Hz)	170-265**		90-265	170-265**	90-265	90-265	170-265**	90-265
Power On Idling (@230V)	0.6 A	0.6 A	0.6 A	0.6 A	0.6 A	0.6 A	0.6 A	0.6 A
1/8 Rated Power (@4 ohm)	1.8 A	4 A	4.5 A	3.2 A	4.5 A	9 A	4 A	4.5 A
Dimensions								
W x H x D (mm)	483x88.9x254				483x88.9x396			
W x H x D (inches)	19x3.5x10				19x3.5x15.6			
Weight								
Net (Kg-Lbs)	5-11	5-11	6-13.2	5-11	7.5-16.5	9.5-20.9	7.5-16.5	5-11
Protections								
Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMS™								

*All channels driven, full bandwidth P.N. 12dB C.F. ** Also version for 90V-140V AC

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