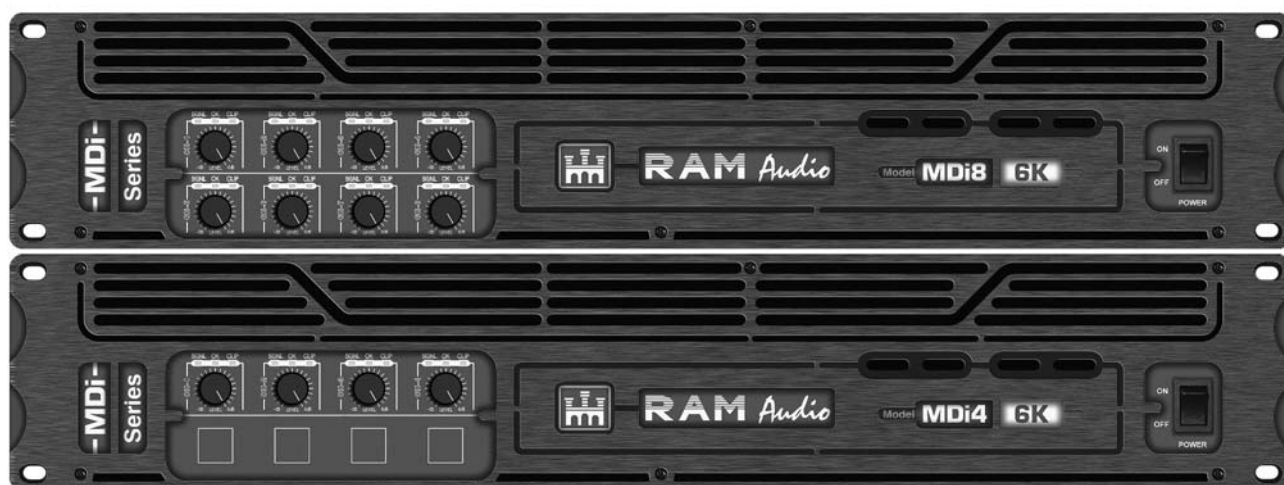


MDi Series



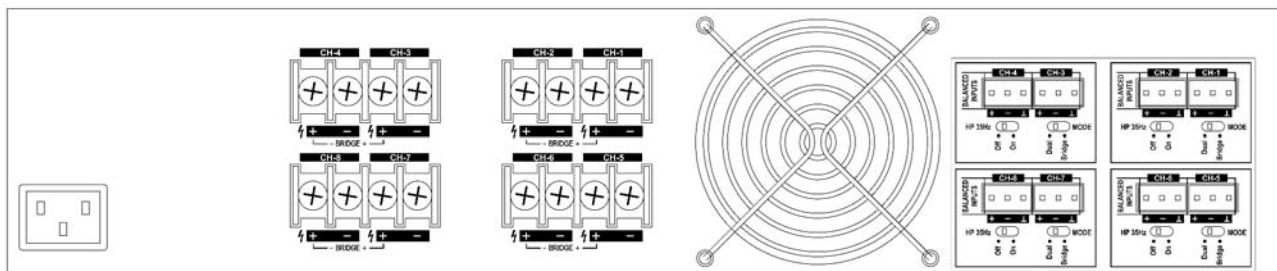
**Dante™
AES67**

- Hi audio quality in an extremely efficient class D design
- Last generation PFC QuantaPulse™ switch mode PS
- 2/4/8/16 channels models from 1400W up to 12000W
- Analogue or Dante™/AES67 audio inputs
- Barrier Strips/Phoenix or XLR/Speakon connectors
- 70V/100V Line Direct/Drive Output
- Ultra light weight 5.5kg, compact package 35cm deep
- RAM Audio Power Management System (PMS™)
- Up-side-down design to avoid fan dust accumulation
- Detented sealed potentiometers, except MDi16-12K
- Optionally tamper proof potentiometers, exc. MDi16-12K
- Comprehensive protection set (ICL, PMS, turn-on, Temp, DC....)
- Modular construction for an easy after-sales service
- Temperature controlled, front to back cooling fan

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	MDi16-12K
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	16x 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	16x 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	8x 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	12kg-26.4lb
DEPTH	25.4cm-10"	25.4cm-10"	25.4cm-10"	25.4cm-10"	39.6cm-15.6"	39.6cm-15.6"	39.6cm-15.6"	39.6cm-15.6"	40.6cm-16"



MDi Technical Specifications

	MDi2-1K4	MDi2-2K7	MDi2-6K	MDi4-2K4	MDi4-6K	MDi4-12K	MDi8-2K7	MDi8-6K	MDi16-12K
Output Power*									
@ 4Ω	2x 700W	2x 1350W	2x 3000W	4x 610W	4x 1500W	4x 3000W	8x 340W	8x 750W	16x 750W
@ 8Ω	2x 375W	2x 900W	2x 1500W	4x 350W	4x 800W	4x 1500W	8x 225W	8x 400W	16x 400W
Bridge @ 8Ω	1x 1400W	-	-	2x 1220W	-	-	4x 680W	4x 1500W	8x 1500W
High Z									
70Vrms/100Vpeak	-	2x 1350W	-	-	4x 1500W	-	4x 680W	-	
100Vrms/140Vpeak	1x 1400W	-	2x 3000W	2x 1200W	-	4x 3000W	-	4x 1500W	8x 1500W
Frequency Response									
Power Bandwidth ±0.25dB	20Hz-20kHz								
Phase Response									
@ 1 watt 20Hz-20kHz	±15 deg								
Total Harmonic Distortion									
20Hz-20kHz	<0.05%								
Intermodulation Distortion									
SMPTE	<0.05%								
Damping Factor									
20-500Hz @8Ω	>400								
Crosstalk									
20Hz-1kHz	>75dB								
Voltage Gain	32dB	32dB	32dB	32dB	32dB	32dB	32dB	32dB	26/32/38/44dB
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	1.4 V
Signal-to-Noise Ratio									
20Hz-20kHz	101dBA	103dBA	104dBA	105dBA	101dBA	103dBA	104dBA	104dBA	104dBA
Required AC Mains									
V AC (50Hz-60Hz)	170-265	170-265	90-265	170-265	90-265	90-265	170-265	90-265	90-265
Power On Idling (@230V)	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A	0.5 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	9 A
Dimensions									
W x H x D (mm)	483x88.9x254			483x88.9x396			483x88.9x406		
W x H x D (inches)	19x3.5x10			19x3.5x15.6			19x3.5x16		
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	12-26.4
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.

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