RAM Audio® DUBHE Series



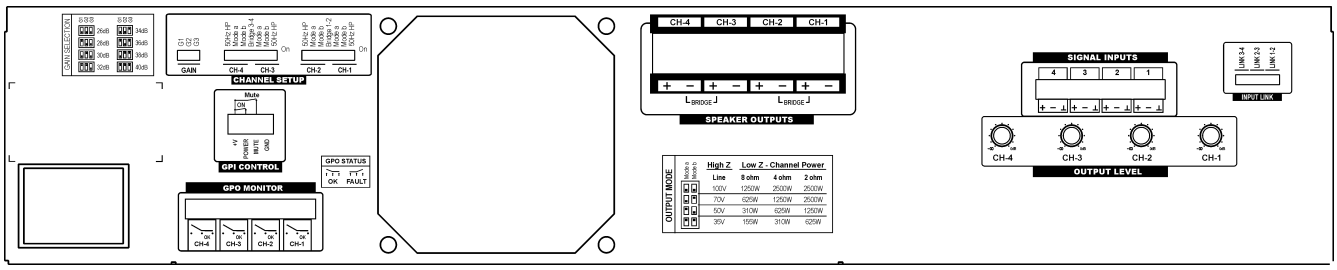
- High efficiency class D topology
- Universal power supply with PFC
- Up to 10000 W in 4 channels
- 8, 4 and 2 Ohm low impedance operation
- 100, 70, 50 and 35 V high impedance modes
- RAM Audio Power Control Management (PCM™)
- Phoenix style connectors for inputs and outputs
- Up-side-down design to avoid fan dust accumulation
- Temperature controlled, front to back cooling
- Gain configuration from 26 to 40 dB
- GPIO for third party interface. AES67 (ATMOS and RAVENNA compatible) and Dante options
- Subsonic filter
- Signal link mini-dips configurable
- Output level control in rear panel
- Output mode configuration for high or low impedance with power limitation

DUBHE Series are 4-channels mid/high power level amplifiers dedicated to the installation market where they can be connected loads in both, low and high impedance, through their input and output Phoenix style connectors, having output level control potentiometers in the rear panel.

These amplifiers have many configuration possibilities such as bridge mode, subsonic filter, channel power limiter and signal link, among others, in order to satisfy the needs of any particular installation. These devices also can be equipped with a GPIO connection to interface with a third party control system.

With all these configurations DUBHE amplifiers can meet the power requirements of any installation where it is required from 300 up to 2500 W per channel.

OUTPUT POWER	DUBHE-2.5Q	DUBHE-5Q	DUBHE-10Q
2 ohms	4x 625 W	4x 1250 W	4x 2500 W
4 ohms	4x 625 W	4x 1250 W	4x 2500 W
8 ohms	4x 625 W	4x 1250 W	4x 1250 W
Hi-Z 100V	4x 625 W 1x 1770 W	4x 1250 W 1x 2500 W	4x 2500 W 1x 2500W
Hi-Z 70V	4x 625 W 1x 1250 W	4x 1250 W 1x 1800 W	4x 2500 W 1x 2500W



Config parameters:

■ Amp channel setup:	50Hz HP:	50Hz subsonic filter
	Output Mode:	Hi impedance voltage selector. Low impedance power limitation
	Bridge mode:	Low impedance bridge mode. 200V/140V high impedance mode
	Gain selection:	change gain from 26dB to 40dB (2 dB steps)
■ Signal setup:	Input Link:	link input signal in consecutive channels
	Ouput Levels:	hidden potentiometers to adjust output level
■ GPIO interface:	GPI Power:	turn on/off by sustained contact or sustained voltage
	GPI Mute:	mute/unmute completelly amplifier by contact or voltage
	GPO Monitor:	monitor each individual channel, with switching contacts for fault/OK status

DUBHE Technical Specifications

	DUBHE-2.5Q	DUBHE-5Q	DUBHE-10Q
Number of channels	4	4	4
Total output power	2500 W	5000 W	10000 W
Output Power* (All ch driven/single ch)			
2 ohm	4x 625 / 1x 625 W	4x 1250 / 1x 1250 W	4x 2500 / 1x 2500 W
2.67 ohm	4x 625 / 1x 850 W	4x 1250 / 1x 1700 W	4x 2500 / 1x 3300 W
4 ohm	4x 625 / 1x 1250 W	4x 1250 / 1x 2500 W	4x 2500 / 1x 2500 W
8 ohm	4x 625 / 1x 1250 W	4x 1250 / 1x 1250 W	4x 1250 / 1x 1300 W
4 ohm Bridged	2x 1250 W	2x 2500 W	2x 5000 W
8 ohm Bridged	2x 1250 W	2x 2500 W	2x 5000 W
Hi-Z 100V	4x 625 / 1x 1770 W	4x 1250 / 1x 2500 W	4x 2500 / 1x 2500 W
Hi-Z 70V	4x 625 / 1x 1250 W	4x 1250 / 1x 1800 W	4x 2500 / 1x 2500 W
Max output voltage	150 V_{peak}	150 V_{peak}	150 V_{peak}
Max output current	25 A_{peak}	36 A_{peak}	50 A_{peak}
Total Harmonic Distortion		<0.05%	
Crosstalk (20Hz-1kHZ), typical		>70dB	
Voltage Gain		26dB to 44dB	
SNR	111 dBA	111 dBA	111 dBA
Nominal Mains Voltage		100V-240V AC, 50Hz-60Hz (Operating: 90V-265V AC)	
Consumption			
230 V AC - 1/8 rated power (4 ohm)	2.1 A / 500 W	3.7 A / 900 W	7.3 A / 1634 W
120 V AC - 1/8 rated power (4 ohm)	4 A / 500 W	7.2 A / 900 W	14 A / 1634 W
Idle	0.7 A / 85 W	0.7 A / 85 W	0.7 A / 85 W
Thermal Dissipation (1/8 rated power 4ohm)	328 BTU/h	655 BTU/h	1310 BTU/h
Dimensions W x H x D		483x89x342 mm / 19x3.5x13.5 in	
Weight Net		7 kg / 15.4 lb	

Protections: Soft-start, Turn-on Turn-off transients, Muting at turn-on, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, Overloaded power supply, ICL™, PCM™

* IEC filtered pink noise signal (40Hz-5kHz, 12dB crest factor)

Dante™ AES67

RAM Audio®

©2022 by C.E. Studio-2 s.l. Pol.Ind. La Figuera - C/Rosa de Luxemburgo nº34 - 46970 Alaquas - Valencia - SPAIN
Phone:+34 96 127 30 54 Fax:+34 96 127 30 56 - http://www.ramaudio.com - e-mail: info@ramaudio.com
RAM Audio®, PCM™, ICL™ and QuantaPulse™ are registered trademarks of C.E. Studio-2 s.l.. All other names are trademarks of their respective companies.