

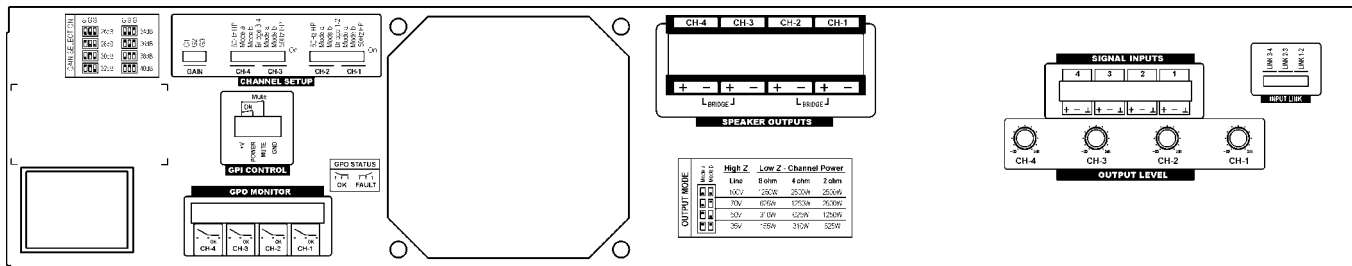
- Low weight high efficiency class D topology
- Universal power supply with PFC
- Up to 10000 W in 4 channels
- 8, 4 and 2 Ohm low impedance operation
- 100, 70, 50 and 35 V high impedance modes
- RAM Audio Power Control Management (PCM™)
- Phoenix connectors for inputs and outputs
- Up-side-down design to avoid fan dust accumulation
- Temperature controlled, front to back cooling
- Gain configuration from 26 to 40 dB
- GPIO for third party interface. AES67 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 connectors and 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 from 300 up to 2500 W.

| OUTPUT POWER | DUBHE-2.5Q | DUBHE-5Q | DUBHE-10Q |
|--------------|-----------------------|------------------------|-----------------------|
| 2 ohms | 4x 312 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 1250 W | 4x 1250 W 1x 2500 W | 4x 2500 W 1x 2500W |
| Hi-Z 70V | 4x 625 W 1x 900 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
 - Output Levels: hidden potentiometers to adjust output level
- GPIO interface:
 - GPI Power: turn on/off by sustained contact or sustained voltage
 - GPI Mute: mute/unmute completely 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 312 / 1x 312 W | 4x 1250 / 1x 1250 W | 4x 2500 / 1x 2500 W |
| 2.67 ohm | 4x 430 / 1x 430 W | 4x 1250 / 1x 1700 W | 4x 2500 / 1x 3300 W |
| 4 ohm | 4x 625 / 1x 625 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 625 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 1250 W | 4x 1250 / 1x 2500 W | 4x 2500 / 1x 2500 W |
| Hi-Z 70V | 4x 625 / 1x 900 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 | 18 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 / 420 W | 3.7 A / 840 W | 7.3 A / 1680 W |
| 120 V AC - 1/8 rated power (4 ohm) | 3.6 A / 783 W | 7.2 A / 1566 W | 14.3 A / 3132 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

m RAM Audio