



- Extra-large TFT display, capacitive touch panel user interface
- 64 bit double-precision 96kHz DSP process
- High performance 96kHz/24 bits AD/DA converters
- Available versions with Dante™ Networking (AES67) and AES3 Digital inputs
- Two ports Ethernet switch for daisy chain connection
- USB port for firmware update and DSP control
- High voltage output for high headroom performances
- Similar power per channel in any impedance
- Advanced power management to squeeze until the last watt of your speakers
- Exceptional power sharing in asymmetrical loads
- Powerful and fast response cooling system

DSP management: RAM OCS and amplifier display:

Two general working modes: User and Advanced (manufacturer)

- User functionalities:
 - Input Routing matrix Analog/Dante/AES3
 - Input EQ section with 8 filters and 20 memories
 - Input EQ Use section, predefined by the manufacturer
 - System Preset selection predefined by the manufacturer (Locked/Unlocked)
 - Snapshot library management up to 20 pre-sets
 - Master Control Groups
- Advanced functionalities (manufacturer):
 - Input EQ "Use" section creation, up to 20 pre-sets
 - Ways routing section (Locked/Unlocked)
 - IIR EQ section: XOver, Gain, Delay, and 7 EQ filters
 - FIR EQ section: linear phase XOver and EQ filters, or custom up to 1000 taps
 - RMS and Peak Dynamic control
 - Snapshot library management up to 20 pre-sets (Locked/Unlocked)
 - System Preset library management up to 100 pre-sets
 - 5 Security levels definition to limit final user functionality



OUTPUT POWER	Pi2- 3K	Pi2-5K	Pi4-6K	Pi4-10K
2 ohms	2x 1450 W	2x 2500 W	4x 1450 W	4x 2500 W
4 ohms	2x 1500 W	2x 2500 W	4x 1500 W	4x 2500 W
8 ohms	2x 1100 W	2x 1600 W	4x 1100 W	4x 1600 W
Hi-Z 70V	2x 1500 W	2x 2500 W	4x 1500 W	4x 2500 W
Hi-Z 100V	2x 800 W	2x 2500 W	4x 800W	4x 2500 W

DSP Specifications - RAM_OCS Control

Overall:

- High performance 96kHz/24 bits AD/DA converters
- 64 bit double-precision 96kHz DSP process
- 0.85 ms minimum process latency time
- Custom FIR process up to 1000 taps
- Dante and AES3 input versions

Input Section (x4):

- Gain, Mute and Phase inversion
- Input Delay: Up to 114 meters (333ms)
- Input EQ: 16 filters (Param., Shelving, LP, HP, BP, SB, AP)

Output Section (x4):

- Crossover Filters: FIR and IIR (up to 48dB/oct, Butterw./LR/Bessel)
- Output Delay: 0 to 31 meters (90ms) per channel
- Output IIR EQ: 12 filters per channel (Param., Shel, LP, HP, BP, SB, AP)

- Output FIR EQ: 20 filters per channel (Parametric, Shelving, LP, HP, BP, SB, AP), or Custom. Up to 1000 taps
- RMS and Peak limiter per channel

Communications:

- Two ports Ethernet switch for daisy chain connection
- USB 2.0 Type B port

Miscellaneous:

- 100 Manufacturer system preset memories library
- 20 User preset memories library
- 20 User snapshot memories library
- Manufacturer/User passwords
- User control groups for virtual Equalization, Gain and Delay
- Zones definition for library management and alerts information
- Smart® analysis software integration

Amplifier Specifications

	Pi2-3K	Pi2-5K	Pi4-6K	Pi4-10K
Number of channels	2	2	4	4
Total output power	3000 W	5000 W	6000 W	10000 W
Output Power* (All ch.'s driven/single channel)				
2 ohms	2x 1450 W ² 1x 1450 W ²	2x 2500 W ² 1x 2500 W ²	4x 1450 W ² 1x 1450 W ²	4x 2500 W ² 1x 2500 W ²
4 ohms	2x 1500 W 1x 1750 W	2x 2500 W 1x 2800 W	4x 1500 W 1x 1900 W	4x 2500 W ¹ 1x 3000 W
8 ohms	2x 1100 W 1x 1150 W	2x 1600 W 1x 1700 W	4x 1100 W 1x 1200 W	4x 1600 W 1x 1800 W
4 ohms Bridged	2900 W ²	5000 W ²	2x 2900 W ²	2x 5000 W ²
8 ohms Bridged	3000 W	5000 W	2x 3000 W	2x 5000 W ¹
Hi-Z 70V	2x 1500 W	2x 2500 W ²	4x 1500 W	4x 2500 W ²
Hi-Z 100V	2x 800 W	2x 2500 W	4x 800 W	4x 2500 W ¹
Max output voltage	144 V _{peak}	176 V _{peak}	144 V _{peak}	176 V _{peak}
Max output current	38 A _{peak}	50 A _{peak}	38 A _{peak}	50 A _{peak}
Total Harmonic Distortion		<0.05%		
Crosstalk (20Hz-1kHz), typical		>70dB		
Voltage Gain	26dB to 44dB (1dB step)			
SNR	106 dBA	107.5 dBA	106 dBA	107.5 dBA
Required AC Mains				
Operating Voltage (50Hz-60Hz)	170V-265V AC / 90V-140V AC			
1/8 Rated Power (@230V, 4 ohms)	7 A	8 A	15 A	16 A
Dimensions W x H x D (mm)	483x89x320			
Weight Net (kg-Lbs)	6-13.2	8.5-18.7	8.5-18.7	8.5-18.7

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™, PMS™, and SSP™

* IEC filtered pink noise signal (40Hz-5kHz, 12dB crest factor). 230V AC mains.

¹ PMS can limit output to prevent excessive current draw tripping the mains breaker.

² SSP can limit output to prevent excessive heating.

Dante™
AES67

RAM Audio®

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