

AURA-2B300

COMMERCIAL AMPLIFIERS

Two channels LoZ & HiZ Amplifier



PRODUCT OVERVIEW

AURA-2B300 is two channels, 2x300 W RMS @4Ω, high efficiency amplifier (class D). Compatibility with both Low and Hi impedance configurations and supporting dual or bridge mode (@4/8Ω). AURA Series are built with the highest robustness for long lasting performances with special power supply circuitry designed for optimized electrical consumption with fan cooling system. AURA Series also features the possibility of linking channels to the first input by selecting it on the rear panel, as well as auto stand-by, overload and thermal protection, PFC and anti-clipping system. The front panel volume knobs can be locked using rear panel switches for added security.

KEY FEATURES

- 2 analogue audio inputs and 2x300 WRMS @4Ω powered audio outputs.
- Low (2, 4 and 8Ω) and high impedance (70/100V) compatibility via rear panel switch.
- Supports dual or bridge mode (@4/8Ω).
- Euroblock input and output connectors.
- Euroblock connectors with anti-pulling locking system.
- Link to input 1 available.
- The front panel volume control knobs can be locked using the rear panel switches for added security.
- High efficiency (Class D).
- Auto Standby function.
- Fan cooling.
- Thermal protection.
- Overload protection.
- Anti-clip system.

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Leisure
- Sport & Wellness
- Retail

TECHNICAL SPECIFICATIONS

AURA-2B300

CHANNELS		
	Number of Outputs channels	2
	Output connection type	4-pin Euroblock. Pitch: 5,08 mm
	Output configuration	2 Ω , 4 Ω , 8 Ω , 100V, 70V and 4/8 Ω in Bridge Mode
	Number of Inputs channels	2
	Input connection type	3-pin Euroblock, balanced, pitch 3,5 mm
	Input configuration	Input link to CH1 selector per input
OUTPUT POWER All channels driven @1kHz @CF9dB @ 1%THD		
	Max output power @ 8 Ω	300 W
	Max output power @ 4 Ω	300 W
	Max output power @ 2 Ω	300 W
	Max output power @ 4 Ω bridge mode	600 W
	Max output power @ 8 Ω bridge mode	600 W
	Max output power @ 100V	300 W
	Max output power @ 70V	300 W
OUTPUT POWER Single channel driven @1kHz @CF9dB @ 1%THD		
	Max output power @ 8 Ω	300 W
	Max output power @ 4 Ω	300 W
	Max output power @ 2 Ω	300 W
	Max output power @ 4 Ω bridge mode	600 W
	Max output power @ 8 Ω bridge mode	600 W
	Max output power @ 100V	300 W
	Max output power @ 70V	300 W
SIGNAL		
	Voltage gain	34 dB
	Input sensitivity	0 dBV 2,21 dBu 1 Vrms
	Input impedance	20k Ω balanced
	Max input level	+20,8dBV 23 dBu
	Frequency response	15Hz - 30kHz (-3dB, 1W any load)
	THD + Noise	<0,1% (@1kHz, from 0,1W to Full Power)
	SNR	95 dBA
	Crosstalk	>70dB (@1kHz)
	CMRR	> 55 Typ (from 20Hz to 20kHz)
ELECTRICAL		
	Power supply	Universal, regulated SMPS with PFC
	AC mains requirement	100-240 V @ 50-60Hz ($\pm$ 10%)
	Power factor correction	> 0,93
	AC mains connector	IEC C14 inlet
POWER & HEAT @230VAC		
	1/4 POWER, @ 4 Ω (all channels driven)	
	Power	380 W 430 VA
	Current Draw	1,86 Arms
	Thermal Loss	68,8 kcal/h 273 BTU/h

1/8 POWER, @ 4Ω (all channels driven)	
Power	226,2 W 278 VA
Current Draw	1,20 Arms
Thermal Loss	65,5 kcal/h 260,1 BTU/h
IDLE (all channels driven)	
Power	62,4 W 129 VA
Current Draw	0,56 Arms
Thermal Loss	53,7 kcal/h 212,9 BTU/h
SLEEP MODE (all channels driven)	
Power	2,2 W 82 VA
Current Draw	0,35 Arms
Thermal Loss	1,8 kcal/h 7,3 BTU/h

POWER & HEAT @120VAC

1/4 POWER, @ 4Ω (all channels driven)	
Power	380,6 W 393 VA
Current Draw	3,45 Arms
Thermal Loss	69,3 kcal/h 275,1 BTU/h
1/8 POWER, @ 4Ω (all channels driven)	
Power	226,7 W 239 VA
Current Draw	2,09 Arms
Thermal Loss	66,01 kcal/h 261,8 BTU/h
IDLE (all channels driven)	
Power	62,8 W 81 VA
Current Draw	0,70 Arms
Thermal Loss	54,01 kcal/h 214,3 BTU/h
SLEEP MODE (all channels driven)	
Power	1,3 W 24 VA
Current Draw	0,20 Arms
Thermal Loss	1,1 kcal/h 4,4 BTU/h

TECHNOLOGIES

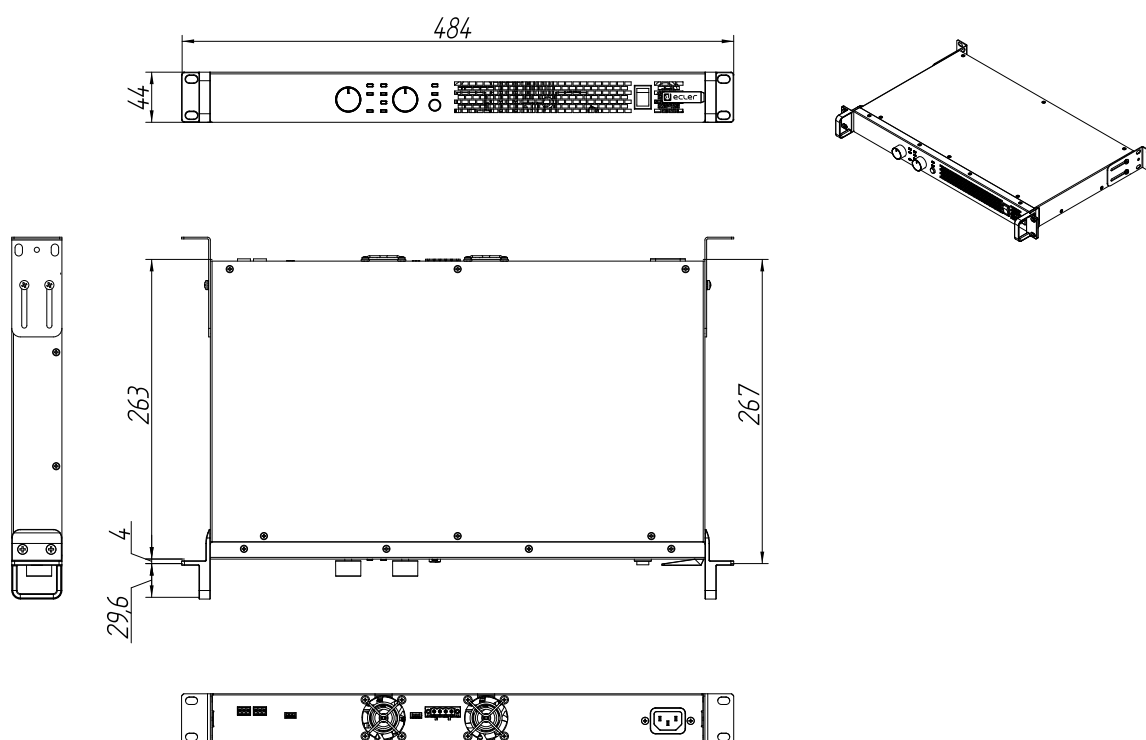
Amplification technology	Class D
Energy saving	Auto standby function selectable
Efficiency	58%
Cooling	2 fans
Maximum fan noise	57 dBA

PROTECTIONS		
	AC protection	Yes
	DC protection	Yes
	HF protection	Yes
	Short-circuit protection	Yes
	Clip limiter	Yes
	Thermal protection	Yes
LOCAL CONTROL		
	Attenuators	Front panel knobs per channel VOL (default)/BYPASS option
	Output mode settings	Back panel Dipswitch by pairs of channels BRIDGE/2 Ω /4 Ω /8 Ω /70V/100V
	RUN/SLEEP mode	Auto standby function Front panel button
	Power ON/OFF	Front panel switch
SETTINGS		
	Attenuators	Front panel knobs per channel
	Output settings	Lo-Z/Hi-Z/70V/100V/Bridge Mode output selection by pair of channels
	Auto standby function	Front panel button
	Auto standby threshold	-40dB
	Auto standby time	90 seconds
	Power ON/OFF	Front panel switch
MONITORING		
	Signal Present	SIGNAL LED (Green) per channel
	Clipping	CLIP LED (Red) per channel
	Protect	TH/PROT LED (Red) per channel
	Standby	AUTO STANDBY ON/OFF LED (Green) per unit
	Standby / Mute	STANDBY (Orange) per channel
	Limit	TH/PROT LED (Red)
	Thermal	TH/PROT LED (Red) per channel
	On	ON LED (Green) per unit
	Link	LINK (White)
PHYSICAL		
	Operating temperature	-20° to 40° C -4° to 104° F
	Operating humidity	10-90% RH, non-condensing
	Storage temperature	-40° to 70° C -40° to 158° F
	Storage humidity	10-95% RH, non-condensing
	Installation options	Rack 19" installation & desktop
	Included accessories	1x EU & IEC power cords, UK,US & CN plug adapters, 4x Desktop feet, 1x Rack 19" installation hardware, 3x Euroblock connectors (2x 3-pin blue for inputs and 1x 4-pin green for outputs), 1x Euroblock jumper.
	Dimensions (WxHxD)	484 x 44 x 296.6 mm / 19 x 1.73 x 11.67 in.
	Weight	4,3 kg / 9,48 lb
	Shipping dimensions (WxHxD)	590 x 80 x 474 mm / 23.23 x 3.15 x 18.66 in.
	Shipping weight	6.9 kg / 15.2 lb

MECHANICAL DIAGRAM



Ecler AURA-2B300 Mechanical Diagram



All the measurements are in mm

6I-1227-0100

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