

AURA-1B300

COMMERCIAL AMPLIFIERS

One channel LoZ & HiZ Amplifier



PRODUCT OVERVIEW

AURA-1B300 is one channel, 1x300 W RMS @4 Ω , high efficiency amplifier (class D). Compatibility with both Low and Hi impedance configurations. 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

- 1 analogue audio input and 1x300 WRMS @4 Ω powered audio output.
- Low (2, 4 and 8 Ω) and high impedance (70/100V) compatibility via rear panel switch.
- 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-1B300

CHANNELS	
Number of Outputs channels	1
Output connection type	2-pin Euroblock. Pitch: 5,08 mm
Output configuration	2 Ω , 4 Ω , 8 Ω , 100V and 70V
Number of Inputs channels	1
Input connection type	3-pin Euroblock, balanced, pitch 3,5 mm
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 @ 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	100dBA
Crosstalk	>70dB (@1kHz)
CMRR	>55 (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	134,0 W
	198 VA
Current Draw	0,9 Arms
Thermal Loss	50,7 kcal/h
	201,4 BTU/h
1/8 POWER, @ 4 Ω (all channels driven)	
Power	79,4 W
	142,0 VA
Current Draw	0,65 Arms
Thermal Loss	36,0 kcal/h
	143,0 BTU/h
IDLE (all channels driven)	
Power	26,0 W
	85,0 VA
Current Draw	0,4 Arms

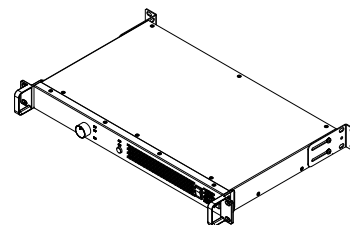
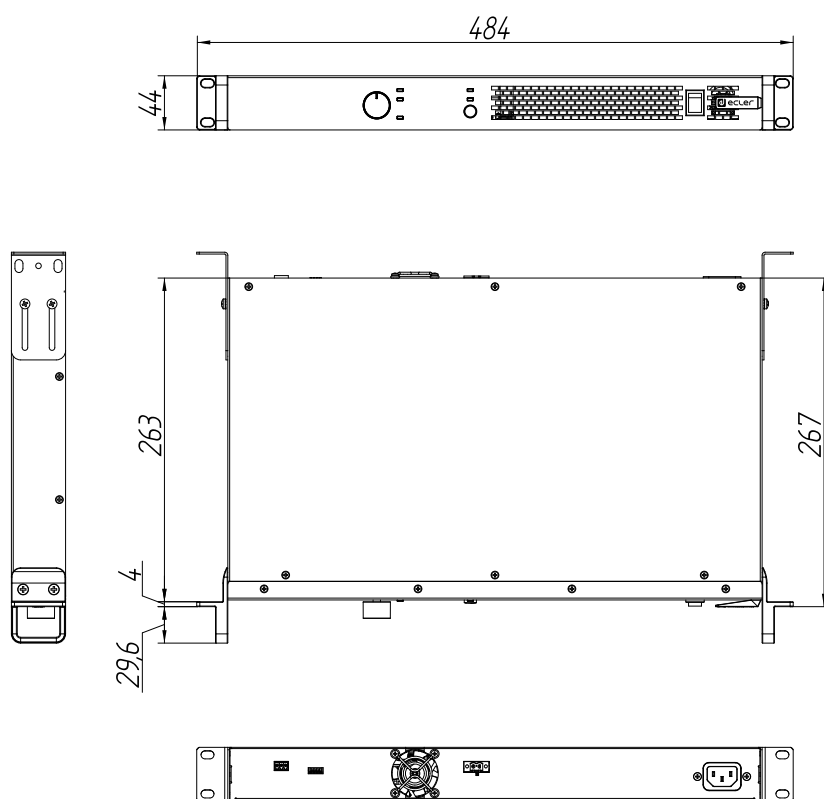
	Thermal Loss	22,4 kcal/h 88,7 BTU/h
SLEEP MODE (all channels driven)		
	Power	2,7 W 58,0 VA
	Current Draw	0,26 Arms
	Thermal Loss	2,3 kcal/h 9,2 BTU/h
POWER & HEAT @120VAC		
1/4 POWER, @ 4Ω (all channels driven)		
	Power	587,5 W 603 VA
	Current Draw	5,33 Arms
	Thermal Loss	118,3 kcal/h 469,3 BTU/h
1/8 POWER, @ 4Ω (all channels driven)		
	Power	335,9 W 438 VA
	Current Draw	3,05 Arms
	Thermal Loss	95,4 kcal/h 378,5 BTU/h
IDLE (all channels driven)		
	Power	60,3 W 79 VA
	Current Draw	0,68 Arms
	Thermal Loss	51,8 kcal/h 205,6 BTU/h
SLEEP MODE (all channels driven)		
	Power	1,3 W 23,9 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	56%
	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 2Ω/4Ω/8Ω/70V/100VLoZ/70V/100V

RUN/SLEEP mode	Auto standby function
Power ON/OFF	Front panel button
	Front panel switch
SETTINGS	
Attenuators	Front panel knobs per channel
Output settings	Lo-Z/Hi-Z/70V/100V 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 accesories	EU power cord, UK,US and CN power cord adapters, IEC Power Cord, x1 Euroblock 3-pin connectors (blue for Inputs), x1 Euroblock 2-pin connectors (green for Outputs), Rear Rack Kit, 3M rubber foot (4pcs)
Dimensions (WxHxD)	484 x 44 x 296.6 mm / 19 x 1.73 x 11.67 in.
Weight	3.86 kg / 8.50 lb
Shipping dimensions (WxHxD)	590 x 80 x 474 mm / 23.23 x 3.15 x 18.66 in.
Shipping weight	6.46 kg / 14.24 lb

MECHANICAL DIAGRAM



Ecler AURA-IB300 Mechanical Diagram



All the measurements are in mm

6I-1225-0100

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All product characteristics are subject to variation due to production tolerances.

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