

AURA-8B300

COMMERCIAL AMPLIFIERS

Multichannel LoZ & HiZ Amplifier



PRODUCT OVERVIEW

AURA-8B300 is a multichannel 8x300 W RMS @4 Ω , high efficiency amplifier (class D). Compatibility with both Low and Hi impedance configurations and supporting dual or bridge mode (@4/8 Ω). 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

- 8 analogue audio inputs and 8x300 WRMS @4 Ω powered audio outputs.
- Low (2, 4 and 8 Ω) and high impedance (70/100V) compatibility via rear panel switch.
- Supports dual or bridge mode (@4/8 Ω).
- 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-8B300

CHANNELS		
Number of Outputs channels	8	
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	8	
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	
	20k Ω balanced	
Input impedance	20k Ω balanced	
	+18dBV	
Max input level	20,21 dBu	
	15Hz - 30kHz (-3dB, 1W any load)	
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	>70 (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	> 0,95	
AC mains connector	IEC C14 inlet	
POWER & HEAT @230VAC		
1/4 POWER, @ 4 Ω (all channels driven)		
Power	925 W	
	998 VA	
Current Draw	4,34 Arms	
Thermal Loss	279,5 kcal/h	
	1109,2 BTU/h	

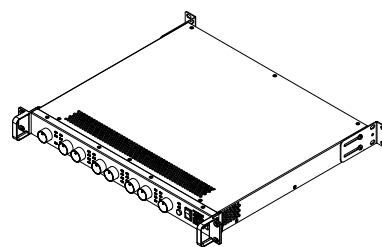
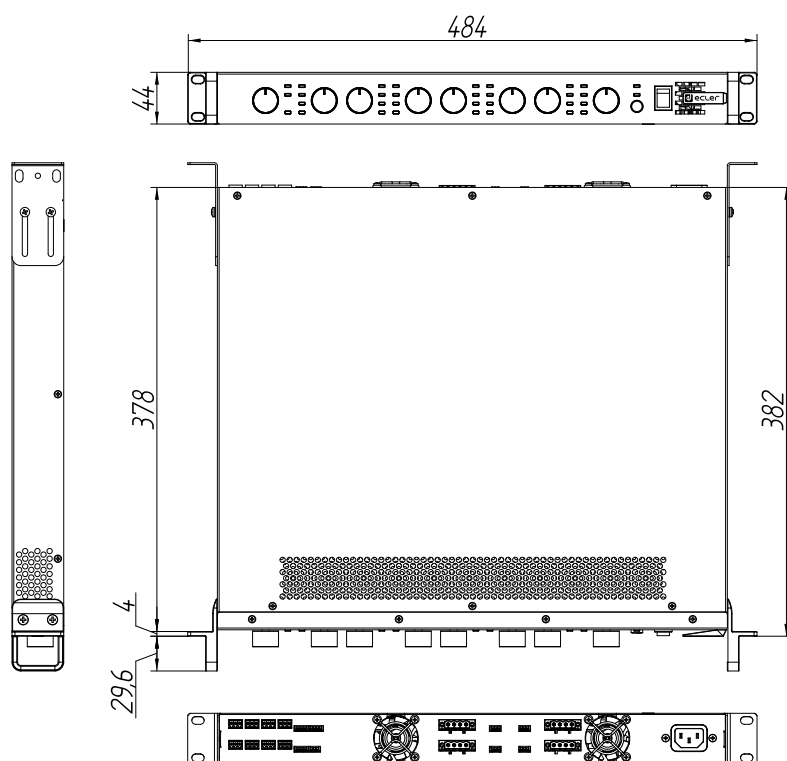
1/8 POWER, @ 4Ω (all channels driven)	
Power	530 W 600 VA
Current Draw	2,61 Arms
Thermal Loss	197,8 kcal/h 785,0 BTU/h
IDLE (all channels driven)	
Power	110 W 240 VA
Current Draw	1 Arms
Thermal Loss	94,6 kcal/h 375,4 BTU/h
SLEEP MODE (all channels driven)	
Power	2,7 W 62,5 V
Current Draw	0,27 Arms
Thermal Loss	2,3 kcal/h 9,2 BTU/h
POWER & HEAT @120VAC	
1/4 POWER, @ 4Ω (all channels driven)	
Power	828,5 W 844 VA
Current Draw	7,50 Arms
Thermal Loss	196,5 kcal/h 779,8 BTU/h
1/8 POWER, @ 4Ω (all channels driven)	
Power	467,7 W 489 VA
Current Draw	4,31 Arms
Thermal Loss	152,01 kcal/h 603,1 BTU/h
IDLE (all channels driven)	
Power	99,4 W 844 VA
Current Draw	1,02 Arms
Thermal Loss	85,5 kcal/h 339,3 BTU/h
SLEEP MODE (all channels driven)	
Power	1,5 W 23,9 VA
Current Draw	0,20 Arms
Thermal Loss	1,3 kcal/h 5,01 BTU/h
TECHNOLOGIES	
Amplification technology	Class D
Energy saving	Auto standby function selectable
Efficiency	72%
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/2Ω/4Ω/8Ω/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	2Ω/4Ω/8Ω/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	EU power cord, UK,US and CN power cord adapters, IEC Power Cord, x8 Euroblock 3-pin connectors (blue for Inputs), x4 Euroblock 4-pin connectors (green for Outputs), Rear Rack Kit, 3M rubber foot (4pcs)
	Dimensions (WxHxD)	484 x 44 x 411.6 mm / 19 x 1.73 x 16.20 in.
	Weight	7.5 kg / 16.53 lb
	Shipping dimensions (WxHxD)	590 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.
	Shipping weight	11.15 kg / 24.58 lb

MECHANICAL DIAGRAM



Ecler AURA-8B300 Mechanical Diagram



All the measurements are in mm

6I-123I-0100

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