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	2Ω, 4Ω, 8Ω, 100V, 70V and 4/8Ω 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 @ 8Ω	300 W
Max output power @ 4Ω	300 W
Max output power @ 2Ω	300 W
Max output power @ 4Ω bridge mode	600 W
Max output power @ 8Ω 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 @ 8Ω	300 W
Max output power @ 4Ω	300 W
Max output power @ 2Ω	300 W
Max output power @ 4Ω bridge mode	600 W
Max output power @ 8Ω 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	20kΩ 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 (±10%)
Power factor correction	> 0,93
AC mains connector	IEC C14 inlet
POWER & HEAT @230VAC	
1/4 POWER, @ 4Ω (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/2Ω/4Ω/8Ω/70V/100V
RUN/SLEEP mode	Auto standby function Front panel button
Power ON/OFF	Front panel switch

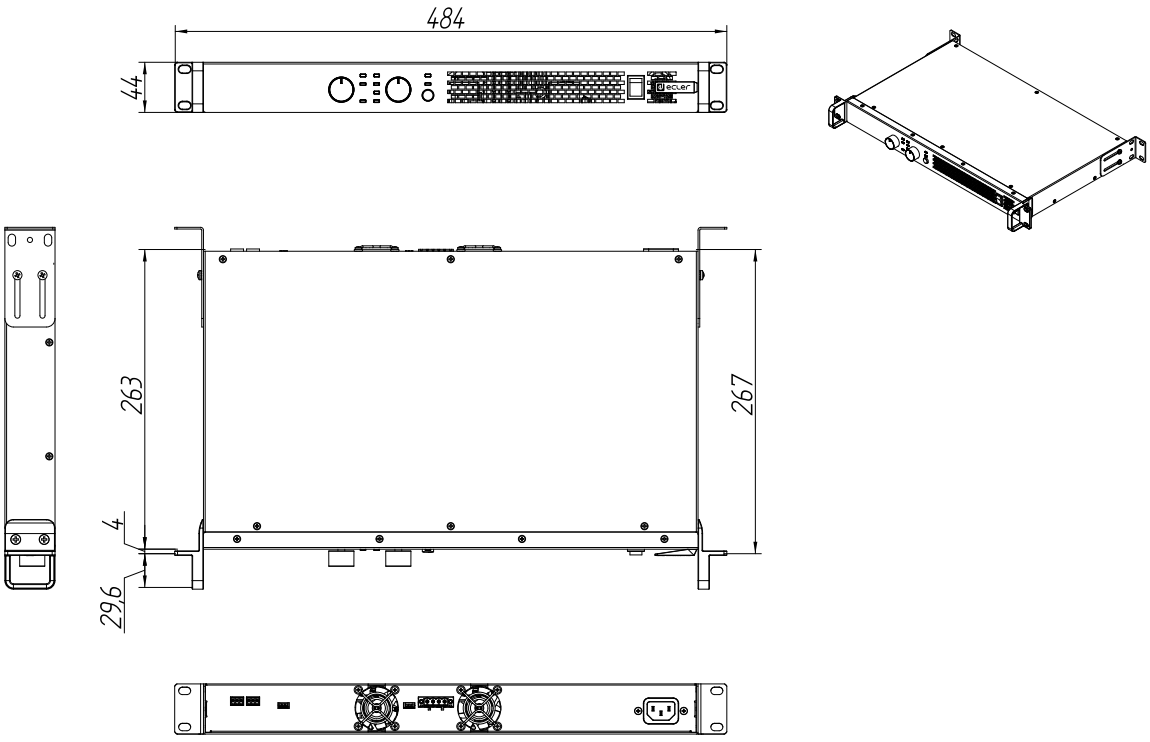
SETTINGS	
Attenuators	Front panel knobs per channel
Output settings	Lo-Z/Hi-Z/70V/100V/Bridge Mode output selection by pair of channels
Auto standby function	Front panel button
Auto standby threshold	-40dB
Auto standby time	90 seconds
Power ON/OFF	Front panel switch

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	-20º to 40º C -4º to 104º F
Operating humidity	10-90% RH, non-condensing
Storage temperature	-40º to 70º C -40º to 158º 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, x2 Euroblock 3-pin connectors (blue for Inputs), x1 Euroblock 4-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	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 measurments are in mm

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