

# **AURA-4B900**

## COMMERCIAL AMPLIFIERS

Multichannel LoZ & HiZ Amplifier



#### PRODUCT OVERVIEW

**AURA-4B900** is a multichannel 4x900 W RMS @ $4\Omega$ , high efficiency amplifier (class D). Compatibility with both Low and Hi impedance configurations and supporting dual or bridge mode (@ $4/8\Omega$ ). 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**

- 4 analogue audio inputs and 4 x900 WRMS @4 $\Omega$  powered audio outputs.
- Low (2, 4 and  $8\Omega$ ) and high impedance (70/100V) compatibility via rear panel switch.
- Supports dual or bridge mode (@4/8 $\Omega$ ).
- 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**

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



## TECHNICAL SPECIFICATIONS

### AURA-4B900

CHANNELS	
Number of Outputs channels	4
Output connection type	2-pin Euroblock. Pitch: 7,62 mm
Number of Inputs channels	4
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	450W
Max output power @ $4\Omega$	900W
Max output power @ $2\Omega$	1000W
Max output power @ $4\Omega$ bridge mode	2000W
Max output power @ $8\Omega$ bridge mode	1600W
Max output power @ 100V	900W
Max output power @ 70V	900W
OUTPUT POWER Single channel driven @1kH:	z @CF9dB @ 1%THD
Max output power @ $8\Omega$	450W
Max output power @ $4\Omega$	900W
Max output power @ $2\Omega$	1200W
Max output power @ $4\Omega$ bridge mode	2000W
Max output power @ $8\Omega$ bridge mode	1600W
Max output power @ 100V	900W
Max output power @ 70V	900W
SIGNAL	
Voltage gain	34 dB
Input sensitivity	0 dBV
	2,21 dBu
	1 Vrms
Input impedance	20kΩ balanced
Max input level	+18dBV
F	20,21 dBu
Frequency response	15Hz - 30kHz
THD + Noise	<0,01%
SNR	100dBA
Crosstalk	>70dB
CMRR	> 55 Typ
Damping Factor ELECTRICAL	>150
Power supply	Universal, regulated SMPS with PFC
AC mains requirement	100-240 V @ 50-60Hz (±10%)
Power factor correction	> 0,95
AC mains connector	IEC C14 inlet
, to mains connector	



POWER & HEAT @230VAC 1/4 POWER, @  $4\Omega$  (all channels driven) Power 1129 W 1189 VA Current Draw 5,37 Arms Thermal Loss 196,9 kcal/h 781,6 BTU/h 1/8 POWER, @  $4\Omega$  (all channels driven) Power 637,6 W 689 VA Current Draw 3,05 Arms Thermal Loss 161,3 kcal/h 640,3 BTU/h IDLE (all channels driven) Power 97,4 W 161 VA Current Draw 0,69 Arms Thermal Loss 83,8 kcal/h 332,4 BTU/h SLEEP MODE (all channels driven) Power 2,3 W 80,9 VA Current Draw 0,35 Arms Thermal Loss 2,01 kcal/h 7,8 BTU/h POWER & HEAT @120VAC 1/4 POWER, @  $4\Omega$  (all channels driven) Power 1114,01 W 1129 VA Current Draw 10.17 Arms Thermal Loss 184,01kcal/h 730,4 BTU/h 1/8 POWER, @  $4\Omega$  (all channels driven) Power 657,3 W 671 VA Current Draw 5,95 Arms Thermal Loss 178,3 kcal/h 707,5 BTU/h IDLE (all channels driven) Power 100,7 W 117 VA Current Draw 1,03 Arms Thermal Loss 86,6 kcal/h 343,7 BTU/h SLEEP MODE (all channels driven) Power 1,5 W 24,01 VA Current Draw 0,2 Arms Thermal Loss 1,2 kcal/h 4,9 BTU/h

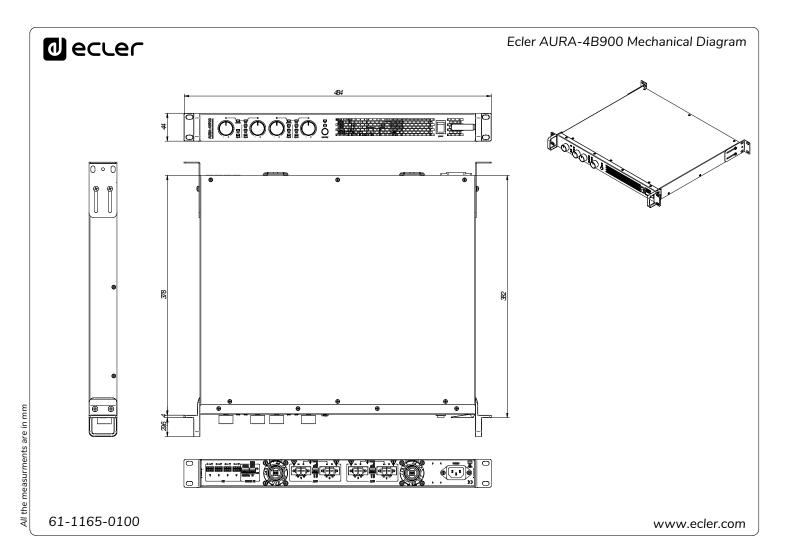
## **ECLER TECHNICAL DATA SHEET**



Amplification technology Energy saving Efficiency Cooling Maximum fan noise  DC protection HF protection Short-circuit protection Clip limiter Thermal protection Output mode settings Output mode settings Power ON/OFF  AUDITORING  Signal Present Clipping Protect Standby / Mute Thermal On Link Departing temperature Operating humidity Storage temperature Opinensions (WxHxD) Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Stand Dy Aux Maximum fan noise Sor dBA  Transformer isolated output Auto standby function selectable 80% 21 fans 7 and 50% 21 fans 7 and 50% 21 fans 7 dBA  Pres  Front panel knobs per channel VOL (defaulty(BYPASS option Pres Auto Standby function Front panel button Front panel button Front panel button Front panel switch  SIGNAL LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY Orange) by pairs of channels UINK LED (White) per channel  PHYSICAL  Operating temperature Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Mwint 10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min: 10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Shipping weight  Shipping dimensions (WxHxD) Shipping weight  Shipping dimensions (WxHxD) Shipping weight  Operating temperature Shipping dimensions (WxHxD) Shipping weight  Operating temperature Shipping weight  Operating temperature Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F 5- 85% RH, non-condensing Min:-1	TECHNOLOGIES	
Energy saving Efficiency Cooling Assimum fan noise Standby function selectable 80% 2 fans 57 dBA  PROTECTIONS  DC protection HF protection Yes	Amplification technology	
Efficiency Cooling Adaximum fan noise 57 dBA  PROTECTIONS  DC protection HF protection Short-circuit protection Clip limiter Thermal protection Output mode settings DUAL/BRIDGE LOZ/70V100V  RUN/SLEEP mode ELOZ/70V100V  RUN/SLEEP mode Signal Present Clipping Protect Prot panel Standby function Front panel switch  MONITORING  Signal Present Clipping Protect		
Cooling Maximum fan noise   57 dBA		Auto standby function selectable
PROTECTIONS  DC protection HF protection Short-circuit protection Clip limiter Yes Thermal protection Output mode settings DUAL/BRIDGE LoZ/70V/100V RUN/SLEEP mode Auto standby function Front panel button Front panel button Power ON/OFF Front panel switch  MONITORING  Signal Present Clipping Protect Standby Mute Thermal Thermal Thermal The Company Department of Channels On Link University On Department of Company Departm	Efficiency	80%
DC protection HF protection Clip limiter Thermal protection Output mode settings  Attenuators  Output mode settings  Back panel Dipswitch by pairs of channels  DUAL/BRIDGE  LoZ/70V/100V  Auto standby function Front panel button Front panel switch  MONITORING  Signal Present  Clipping Protect Standby Front panel switch  MONITORING  Signal Present Clipping Protect Standby Mute AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY ON/OFF LED (Green) per unit LINK LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Operating humidity Storage temperature  Operating humidity Storage temperature  Operating humidity Storage temperature  Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 50°: 122° F S - 85% RH, non-condensing Min:-10°: 14° C Max: 5	Cooling	2 fans
DC protection HF protection Short-circuit protection Clip limiter Thermal protection Output mode settings Output March Standby function Front panel switch  MONITORING  Signal Present Clipping Protect Standby Standby / Mute Thermal PROT LED (Red) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Operating humidity Storage temperature Operating humidity Storage temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Storage temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Omax: 50°; 122° F Omax: 50°;	Maximum fan noise	57 dBA
HF protection Short-circuit protection Clip limiter Yes Thermal protection Thermal protection Clip limiter Thermal protection Yes Yes  LOCAL CONTROL  Attenuators Front panel knobs per channel VOL (default)/BYPASS option Back panel Dipswitch by pairs of channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel button Front panel button Front panel switch  MONITORING  Signal Present Clipping Clip ED (Red) per channel PROT LED (Red) per channel PROT LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels Thermal Th LED (Orange) by pairs of channels On ON LED (Green) per unit LINK LED (White) per channel PHYSICAL  Operating temperature Min:-10°; 14° C Max: 50°; 122° F Storage temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Storage temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WXHxD) S90 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.	PROTECTIONS	
Short-circuit protection Clip limiter Thermal protection Clip limiter Thermal protection  Attenuators  Attenuators  Front panel knobs per channel VOL (default)/BYPASS option Back panel Dipswitch by pairs of channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel button Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby Standby / Mute Thermal On Link UNC STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels TH LED (White) per channel  PHYSICAL  Operating temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Storage temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Dimensions (WXHXD) Weight Shipping dimensions (WXHXD)  Shipping dimensions (WXHXD)  Storage num / 19.06 x 1.73 x 14.88 in. 7.7 kg / 16.98 lb Spipxing dimensions (WXHXD)  Spipxing dimensions (WXHXD)  Front panel knobs per channel VOL (default)/BYPASS option Back panel Cipsus (Vale pairs of channels SIGNAL LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels The LED (Orange) by pairs of channels TH LED (Orange) by pairs of channels TH LED (Orange) by pairs of channels The LED (Orange	DC protection	Yes
Clip limiter Thermal protection  Attenuators  Attenuators  Output mode settings  Output mode settings  DUAL/BRIDGE LoZ/70V/100V  AUTO STANDBY ON/OFF LED (Green) per channel PROT LED (Red) by pairs of channels PROT LED (Red) by pairs of channels AUTO STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels Thermal The	·	Yes
Attenuators	Short-circuit protection	Yes
Attenuators Output mode settings Output mode settings Output mode settings Output mode settings  BUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby Standby / Mute Thermal On Link Operating temperature Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD)  VOL (default)/BYPASS option Back panel knobs per channel VOL (default)/BYPASS option Back panel knobs per channel VOL (default)/BYPASS option Back panel knobs per channel Storage temperation Back panel Dipswitch by pairs of channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel button Front panel knobs per channel SUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channel SUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs per channels DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel knobs Foral panel suito Front panel knobs Foral panel suito Front panel vite standby function Front panel	Clip limiter	Yes
Attenuators Output mode settings DUAL/BRIDGE LoZ/70V/100V Auto standby function Front panel button Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby / Mute Pherson Thermal On Link  Operating temperature Operating temperature Storage humidity Storage temperature Ometics Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD) Walter WALLBRIDGE LoZ/70V/100V Auto standby function Front panel button Front panel button Front panel button SIGNAL LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing	Thermal protection	Yes
Output mode settings Output mode settings  Output mode settings  DUAL/BRIDGE LoZ/70V/100V  Auto standby function Front panel button Front panel switch  Clipping Protect Standby / Mute Standby / Mute Thermal On Link Link Link LED (Green) per channel ON AUTO STANDBY (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD)  Vauto standby function Front panel button Front panel switch Min:-10° (Facility of panel button Front panel bu	LOCAL CONTROL	
Output mode settings  Back panel Dipswitch by pairs of channels  DUAL/BRIDGE LoZ/70V/100V  RUN/SLEEP mode Auto standby function Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby PROT LED (Red) per channel PROT LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels Thermal The Ling (Green) per unit Link LED (White) per channel  On ON LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Min:-10°; 14° C Max: 50°; 122° F Operating humidity Storage temperature Min:-10°; 14° C Max: 50°; 122° F Storage humidity Dimensions (WXHXD) Veight Shipping dimensions (WXHXD) Sov x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.	Attenuators	i i
DUAL/BRIDGE LoZ/70V/100V  RUN/SLEEP mode Auto standby function Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby / Mute AUTO STANDBY (Orange) by pairs of channels Thermal On Link LINK LED (Green) per unit LINK LED (Green) per unit LINK LED (White) per channel PHYSICAL  Operating temperature Operating humidity Storage temperature Storage humidity Storage humidity Dimensions (WXHxD) Shipping dimensions (WXHxD)  Signal Present Auto standby function Front panel button Front panel switch  Min:-10°; 14° C Max: 50°; 122° F  Storage humidity 5 - 85% RH, non-condensing 484 x 44 x 378 mm / 19.06 x 1.73 x 14.88 in. 7.7 kg / 16.98 lb  Shipping dimensions (WxHxD) 590 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.		VOL (default)/BYPASS option
LoZ/70V/100V  RUN/SLEEP mode Auto standby function Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels Thermal On Link Link Link LINK LED (White) per channel  PHYSICAL  Operating temperature Storage temperature Storage humidity Dimensions (WXHxD) Shipping dimensions (WXHxD)  LINK Standby function Front panel switch Auto Green) per channel PROT LED (Red) by pairs of channels AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels On LED (Green) per unit Link LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Dimensions (WXHxD) Shipping dimensions (WXHxD) Source SIGNAL LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY (Orange) by pairs of channels Thermal AUTO STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by p	Output mode settings	Back panel Dipswitch by pairs of channels
RUN/SLEEP mode Power ON/OFF Front panel button Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby PROT LED (Red) per channel PROT LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels Thermal On ED (Green) per unit Link LED (White) per channel  PHYSICAL  Operating temperature Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD)  Signal Present Front panel button Front panel switch  Minca Planel Suitch  Minca Planel Suit		DUAL/BRIDGE
Front panel button Front panel switch  MONITORING  Signal Present Clipping Protect Standby Standby / Mute Thermal On Link  Departing temperature Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD)  Signal Present Clip LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Signal Present AUTO STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Win:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F S - 85% RH, non-condensing		LoZ/70V/100V
MONITORING  Signal Present Clipping Protect Standby Standby / Mute Thermal On Link PHYSICAL  Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD) Signal Present Clip panel Switch SIGNAL LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Signal Present AUTO STANDBY (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity Shipping dimensions (WxHxD) Shipping dimensions (WxHxD) Signal Present AUTO STANDBY (Orange) Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity S-85% RH, non-condensing	RUN/SLEEP mode	Auto standby function
Signal Present Clipping Protect Standby Standby / Mute Thermal On Link PHYSICAL  Operating temperature Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD)  Signal Present Clip LED (Green) per channel CLIP LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F S-85% RH, non-condensing		Front panel button
Signal Present Clipping Protect PROT LED (Red) per channel PROT LED (Red) by pairs of channels AUTO STANDBY ON/OFF LED (Green) per unit AUTO STANDBY (Orange) by pairs of channels Thermal On Link Link LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Min:-10°; 14° C Max: 50°; 122° F  Operating humidity Storage temperature Min:-10°; 14° C Max: 50°; 122° F  Storage humidity Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD) Storage dimensions (WxHxD) Storage dimensions (WxHxD) Shipping dimensions (WxHxD) Storage humidity Shipping dimensions (WxHxD) Standard AUTO STANDBY (Orange) by pairs of channels ON LED (Orange) by pairs of channels ON LED (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of channels ON LED (Orange) by pairs of channels AUTO STANDBY (Orange) by pairs of cha	Power ON/OFF	Front panel switch
Clipping Protect Standby Protect Standby / Mute Thermal On Link PHYSICAL  Operating temperature Storage temperature Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD)  CLIP LED (Red) per channel PROT LED (Red) by pairs of channels AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F 5 - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F 5 - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD)  Veight Storage humidity Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD) Storage humidity Storage humidity Storage humidity Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD)	MONITORING	
Protect Standby Standby / Mute Standby / Mute Thermal On Link PHYSICAL  Operating temperature Storage temperature Storage humidity Storage humidity Dimensions (WxHxD) Standby / Mute AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F Storage humidity 5 - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F Storage humidity Min:-10°; 14° C Max: 50°; 122° F Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD) Storage In Min:-10°; 14° C Max: 50°; 122° F Storage humidity	Signal Present	SIGNAL LED (Green) per channel
Standby / Mute Standby / Mute Thermal On Link  Operating temperature Storage temperature Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD)  Standby / Mute AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F  5 - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F  5 - 85% RH, non-condensing 484 x 44 x 378 mm / 19.06 x 1.73 x 14.88 in. 7.7 kg / 16.98 lb  590 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.	Clipping	
Standby / Mute Thermal On Link  Operating temperature Operating humidity Storage temperature  Storage humidity Dimensions (WxHxD) Shipping dimensions (WxHxD)  Standby / Mute AUTO STANDBY (Orange) by pairs of channels TH LED (Orange) by pairs of channels TH LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F  5 - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F  5 - 85% RH, non-condensing 484 x 44 x 378 mm / 19.06 x 1.73 x 14.88 in. 7.7 kg / 16.98 lb Shipping dimensions (WxHxD) 590 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.	Protect	PROT LED (Red) by pairs of channels
Thermal On Link INK LED (Orange) by pairs of channels ON LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Operating humidity Storage temperature Ama: 50°; 122° F  Storage humidity Operating humidity Storage temperature Operating humidity Storage humidity Operating humidity Operating humidity Operating humidity Storage humidity Operating humidity Oper	Standby	AUTO STANDBY ON/OFF LED (Green) per unit
On LED (Green) per unit LINK LED (White) per channel  PHYSICAL  Operating temperature Operating humidity Storage temperature Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD)  SN LED (Green) per unit LINK LED (White) per channel  Min:-10°; 14° C Max: 50°; 122° F  5 - 85% RH, non-condensing Min:-10°; 14° C Max: 50°; 122° F  5 - 85% RH, non-condensing 484 x 44 x 378 mm / 19.06 x 1.73 x 14.88 in. 7.7 kg / 16.98 lb 590 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.	Standby / Mute	AUTO STANDBY (Orange) by pairs of channels
$\begin{tabular}{ll} Link & LINK LED (White) per channel \\ \hline PHYSICAL \\ \hline Operating temperature & Min:-10^\circ; 14^\circ C \\ Max: 50^\circ; 122^\circ F \\ \hline Operating humidity & Storage temperature & Min:-10^\circ; 14^\circ C \\ Max: 50^\circ; 122^\circ F \\ \hline Storage humidity & Storage humid$	Thermal	TH LED (Orange) by pairs of channels
PHYSICAL Operating temperature Operating temperature Amax: $50^\circ$ ; $12^\circ$ F Operating humidity Storage temperature Operature Operating humidity Storage temperature Operature Operating Amax: $50^\circ$ ; $122^\circ$ F Operating Humidity Operating Operating Operating Operating Operating Operating Operating Operating Humidity Operating	On	ON LED (Green) per unit
Operating temperature $Min:-10^\circ$ ; $14^\circ$ C $Max: 50^\circ$ ; $122^\circ$ F $Storage temperature Min:-10^\circ; 14^\circ C Max: 50^\circ; 14^\circ C Min:-10^\circ; 14^\circ C Min:-10^\circ; 14^\circ C Min:-10^\circ; 14^\circ C Max: 50^\circ; 122^\circ F Storage humidity Storage humi$	Link	LINK LED (White) per channel
$\label{eq:max:s00} \text{Max:} 50^{\circ}\text{;} 122^{\circ}\text{ F}$ $\label{eq:storage} \text{Operating humidity} \\ \text{Storage temperature} \\ \text{Storage temperature} \\ \text{Storage humidity} \\ \text{Dimensions (WxHxD)} \\ \text{Weight} \\ \text{Shipping dimensions (WxHxD)} \\ \text{Shipping dimensions (WxHxD)} \\ \text{Max:} 50^{\circ}\text{;} 122^{\circ}\text{ F} \\ 5 - 85\% \text{ RH, non-condensing} \\ 484 \times 44 \times 378 \text{ mm} / 19.06 \times 1.73 \times 14.88 \text{ in.} \\ 7.7 \text{ kg} / 16.98 \text{ lb} \\ 590 \times 80 \times 590 \text{ mm} / 23.23 \times 3.15 \times 23.23 \text{ in.} \\ \text{Shipping dimensions (WxHxD)} \\ \text{Shipping dimensions (WxHxD)} \\ \text{Shipping dimensions (WxHxD)} \\ \text{Max:} 50^{\circ}\text{;} 122^{\circ}\text{ F} \\ 5 - 85\% \text{ RH, non-condensing} \\ 484 \times 44 \times 378 \text{ mm} / 19.06 \times 1.73 \times 14.88 \text{ in.} \\ 7.7 \text{ kg} / 16.98 \text{ lb} \\ 590 \times 80 \times 590 \text{ mm} / 23.23 \times 3.15 \times 23.23 \text{ in.} \\ \text{Shipping dimensions (WxHxD)} \\ Shipping $		
Operating humidity Storage temperature Storage temperature Storage humidity Dimensions (WxHxD) Weight Shipping dimensions (WxHxD)	Operating temperature	Min:-10°; 14° C
Storage temperature $Min:-10^\circ$ ; $14^\circ$ C $Max: 50^\circ$ ; $122^\circ$ F $Storage humidity Dimensions (WxHxD) 484 \times 44 \times 378 \text{ mm} / 19.06 \times 1.73 \times 14.88 \text{ in}. Veight Shipping dimensions (WxHxD) 590 \times 80 \times 590 \text{ mm} / 23.23 \times 3.15 \times 23.23 \text{ in}.$		
$\label{eq:max:proposed} \text{Max: } 50^\circ\text{; } 122^\circ\text{F}$ $\text{Storage humidity}  5 - 85\% \text{ RH, non-condensing}$ $\text{Dimensions (WxHxD)}  484 \times 44 \times 378 \text{ mm} \; / \; 19.06 \times 1.73 \times 14.88 \text{ in.}$ $\text{Weight}  7.7 \text{ kg} \; / \; 16.98 \text{ lb}$ $\text{Shipping dimensions (WxHxD)}  590 \times 80 \times 590 \text{ mm} \; / \; 23.23 \times 3.15 \times 23.23 \text{ in.}$	Operating humidity	<del>-</del>
Storage humidity Dimensions (WxHxD) $5-85\%$ RH, non-condensing $484\times44\times378$ mm $/19.06\times1.73\times14.88$ in. Weight Shipping dimensions (WxHxD) $5-85\%$ RH, non-condensing $484\times44\times378$ mm $/19.06\times1.73\times14.88$ in. $7.7$ kg $/16.98$ lb $590\times80\times590$ mm $/23.23\times3.15\times23.23$ in.	Storage temperature	·
Dimensions (WxHxD) $484 \times 44 \times 378 \text{ mm} / 19.06 \times 1.73 \times 14.88 \text{ in.}$ $7.7 \text{ kg} / 16.98 \text{ lb}$ Shipping dimensions (WxHxD) $590 \times 80 \times 590 \text{ mm} / 23.23 \times 3.15 \times 23.23 \text{ in.}$		Max: 50° ; 122° F
Weight $7.7 \text{ kg} / 16.98 \text{ lb}$ Shipping dimensions (WxHxD) $590 \times 80 \times 590 \text{ mm} / 23.23 \times 3.15 \times 23.23 \text{ in}.$	Storage humidity	_
Shipping dimensions (WxHxD) $590 \times 80 \times 590 \text{ mm} / 23.23 \times 3.15 \times 23.23 \text{ in.}$	Dimensions (WxHxD)	484 x 44 x 378 mm / 19.06 x 1.73 x 14.88 in.
	Weight	7.7 kg / 16.98 lb
Shipping weight   10.5 kg / 23.15 lb	Shipping dimensions (WxHxD)	590 x 80 x 590 mm / 23.23 x 3.15 x 23.23 in.
	Shipping weight	10.5 kg / 23.15 lb



## **MECHANICAL DIAGRAM**





#### A & E SPECIFICATIONS

The Amplifier shall be able to work both in Low Impedance(@2/4/8 $\Omega$ ) and High Impedance(70/100V), Selectable through a switch in the rear panel, containing two independent controllable amplifier channels with a 900W @ 4  $\Omega$  maximum output power per channel and supporting dual or bridge mode (@4/8 $\Omega$ ) The construction shall be transformer-less, using Class-D Amplifier technology and powered by a universal, regulated SMPS with PFC power supply. Each channel shall have integrated circuitry to protect against short-circuits or mismatched loads and overheating. Additionally, the load shall be protected against DC faults and a clip limiter shall automatically reduce the input gain at onset of distortion.

The front panel shall contain an AC power switch, a power on indicator LED, an Auto Standby button and Auto Standby LED. Each channel should have a level knob, a signal LED, a clip LED and a link LED, moreover protect and thermal LEDs for each pair of channels. The front panel knobs should be able to be disabled by means of the VOL Bypass switch on the rear panel. Auto Standby threshold value is -50 dB. The possibility to link the channels to input 1 shall be available through a switch on the rear panel.

All connections shall be made on the rear panel of the unit. The output connections must be fitted with terminal block connectors. The amplifier shall operate on a 100-240V AC - 50/60 Hz mains network and shall be equipped with a removable power cord having a standard Shuko (CEE 7/7) AC plug. The connector on the amplifier chassis shall be a fused IEC C14 type. The amplifier chassis shall be a 1UR steel constructed 19" housing. Depth from mounting surface to rear supports shall be 378mm and the weight shall not exceed 7.7 Kg.

The amplifier shall be the ECLER AURA-4B900.



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in <u>Support / Technical requests.</u>