

AURA-4H150

COMMERCIAL AMPLIFIERS

Multichannel HiZ Amplifier



PRODUCT OVERVIEW

AURA-4H150 is a multichannel, 4x150 W RMS @ 70/100V, high efficiency amplifier (class D). AURA Series are built with the highest robustness for long lasting performances with special power supply circuitry designed for optimized electrical consumption and are 100% silent featuring convection cooling system. AURA Series also features the possibility of linking channels to the first input by selecting it on the rear panel, adjustable Auto Standby level, overload and thermal protection, PFC and anti-clipping system.

KEY FEATURES

- 4 analogue audio inputs and 4 x150 WRMS @ 70/100V powered audio outputs
- Euroblock input and output connectors
- Link to input 1 available
- Volume control knobs on front panel, that can be blocked via switches accessible from the bottom cover
- High efficiency (Class D).
- Auto Standby function.
- Convection cooling (fanless, 100% silent)
- Thermal protection
- Overload protection
- Anti-clip system

APPLICATIONS

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

TECHNICAL SPECIFICATIONS

AURA-4H150

INPUTS	
Number of Inputs	4
Analogue input connection type	3-pin Euroblock, balanced, pitch 3,5 mm
Input configuration	Input link to CH1 selector per input
AMPLIFIED OUTPUTS	
Number of amplified outputs	4
Amplified output connection type	3-pin Euroblock. Pitch: 5 mm
OUTPUT POWER All channels driven @ 1%THD	
Max output power @ 100V	150W
Max output power @ 70V	150W
SIGNAL	
Voltage gain	40 dB
Input sensitivity	0 dBV 2,21 dBu 1 Vrms
Input impedance	>500k Ω (balanced)
Max input level	+12dBV 14,21 dBu
Frequency response	50Hz-20kHz (-3dB, 1W @ 68 Ω)
THD + Noise	< 0,03 % (from 1W to full power output @ 68 Ω)
SNR	100 dBA (from 20Hz - 20kHz)
Crosstalk	>70dB (@ 1kHz)
CMRR	> 55 Typ (from 20Hz-20kHz)
ELECTRICAL	
Power supply	Universal, regulated SMPS with PFC
AC mains requirement	100-240 V @ 50-60Hz (\pm 10%)
Power factor correction	> 0,92 (Output Power > 1/4 Max Output Power)
AC mains connector	IEC C14 inlet (10Amax, Power cord 10Amax)
POWER & HEAT @230VAC	
1/4 POWER, @ 68 Ω (all channels driven)	
Power	228,1 W 245,9 VA
Current Draw	1,07 Arms
Thermal Loss	68,37 kcal/h 271,33 BTU/h
1/8 POWER, @ 68 Ω (all channels driven)	
Power	124,6 W 139,3 VA
Current Draw	0,606 Arms
Thermal Loss	43 kcal/h 170,65 BTU/h

IDLE (all channels driven)

Power	17,11 W 33,68 VA
Current Draw	0,146 Arms
Thermal Loss	14,71 kcal/h 58,40 BTU/h

SLEEP MODE (all channels driven)

Power	11,8 W 27,5 VA
Current Draw	0,120 Arms
Thermal Loss	10,15 kcal/h 40,27 BTU/h

POWER & HEAT @120VAC

1/4 POWER, @ 68Ω (all channels driven)

Power	233,3 W 238 VA
Current Draw	2,084 Arms
Thermal Loss	72,06 kcal/h 288,13 BTU/h

1/8 POWER, @ 68Ω (all channels driven)

Power	127,34 W 130,84 VA
Current Draw	1,142 Arms
Thermal Loss	5,32 kcal/h 179,87 BTU/h

IDLE (all channels driven)

Power	17,3 W 20,78 VA
Current Draw	0,181 Arms
Thermal Loss	14,88 kcal/h 59,04 BTU/h

SLEEP MODE (all channels driven)

Power	12,17 W 16,02 VA
Current Draw	0,139 Arms
Thermal Loss	10,47 kcal/h 41,54 BTU/h

TECHNOLOGIES

Amplification technology	Class D
Energy saving	Auto Standby function selectable (Auto Standby by pairs of channels)
Efficiency	65% (1/4 POWER, @ 68Ω, 230VAC)
Cooling	Convection (fanless)

PROTECTIONS

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) (VOL/BYPASS selectable by a switch at the bottom)
-------------	-----------------------------------------------------------------------------------------------------------------

RUN/SLEEP mode	Auto Standby function Front panel button (Auto Standby ON/OFF button per unit. -50dB (default) or -40dB, internally selectable. Auto stand-by time: 60 seconds)
Power ON/OFF	Front panel switch (green LED indicator)

MONITORING

Signal Present	SIGNAL LED (Green) per channel (trigger @- 40 dBV)
Clipping	CLIP LED (Red) per channel
Protect	PROT LED (Red) by pairs of channels (Combined PROT/TH LED)
Standby	AUTO STANDBY ON/OFF LED (Green) per unit
Standby / Mute	AUTO STANDBY (Orange) by pairs of channels
Thermal	TH LED (Orange) by pairs of channels (combined PROT/TH LED)
On	ON LED (Green) per unit
Link	LINK LED (White) per channel

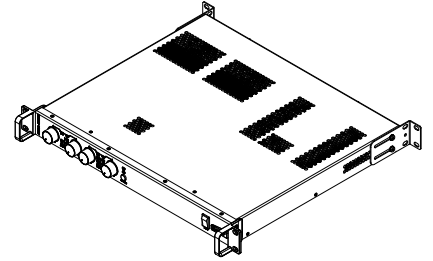
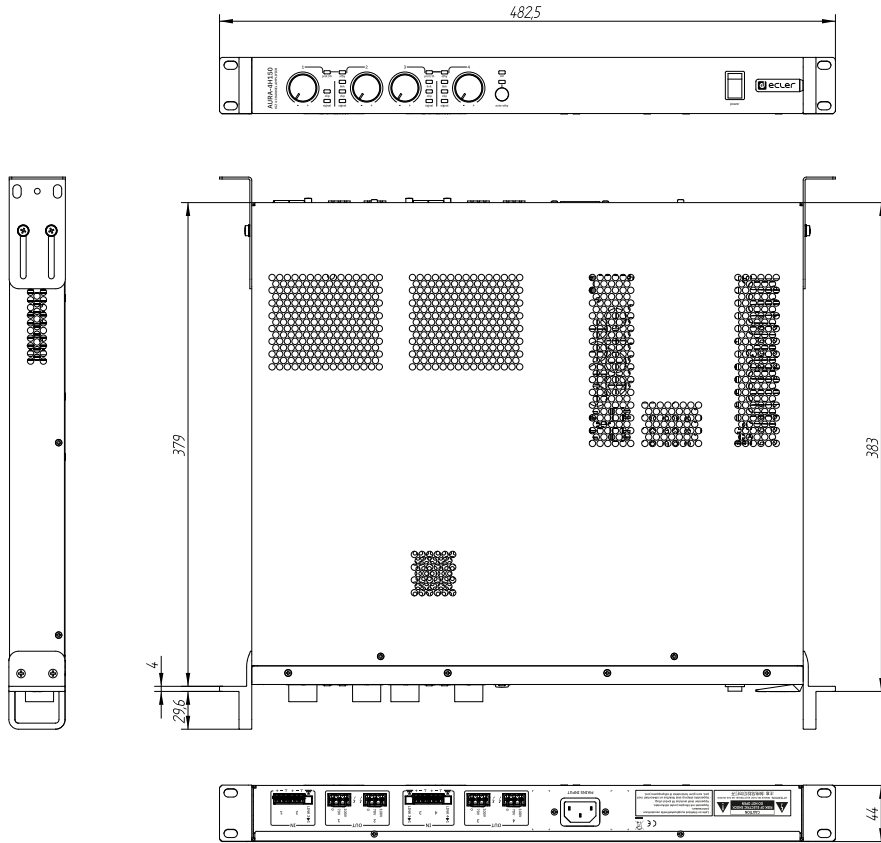
PHYSICAL

Operating temperature	-10° to 50° C 14° to 122° F
Operating humidity	5 - 85% RH, non-condensing
Storage temperature	-10° to 50° C 14° to 122° F
Storage humidity	5 - 85% RH, non-condensing
Included accessories	Rear rack support
Dimensions (WxHxD)	482.6x44x414 mm. / 19x1.73x16.29 inches
Weight	10.2 kg / 22.5 lb
Shipping dimensions (WxHxD)	590x75x585mm. / 23.23x2.95x23.03 inches
Shipping weight	12.40 kg / 27.34lb

MECHANICAL DIAGRAM



Ecler AURA-4HI50 Mechanical Diagram



All the measurements are in mm

61-0997-0100

www.ecler.com

A & E SPECIFICATIONS

The Amplifier shall be a constant voltage 100 V type, containing four independent controllable amplifier channels with a 150W maximum output power per channel. 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 over-heating. 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 switches -accessible with a thin screwdriver- from the bottom face of the chassis. Auto Standby threshold should be selectable, for every 2 adjacent channels, by means of an internal jumper, between -40db / -50 dB values. The possibility to link the channels to input 1 shall be available through a button 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 414 mm and the weight shall not exceed 10.2 Kg.

The amplifier shall be the ECLER AURA-4H150.



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 [Support / Technical requests](#).

Motors, 166-168 - 08038 Barcelona - Spain | (+34) 932238403 | information@ecler.com | www.ecler.com