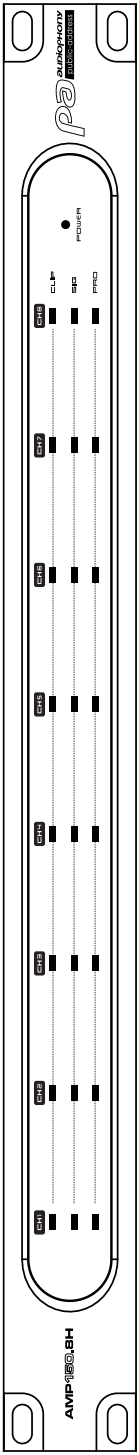


audiophony
public-address

AMP150.8H

100 V LINE AMPLIFIERS - 8-CHANNEL

USER GUIDE

H11851 - Version 1 / 01-2026

1 - Safety information

Important safety information

This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.

Any maintenance procedure must be performed by a AUDIOPHONY authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.

This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.

Symbols used

This symbol signals an important safety precaution.

The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.

The CAUTION symbol signals a risk of product deterioration.

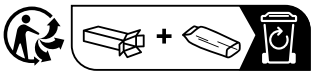
WARNING : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.
In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.

Sound levels

Our audio solutions deliver important sound pressure levels (SPL) that can be harmful to human health when exposed during long periods. Please do not stay in close proximity of operating speakers.

Recycling your device

• As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
• When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.



Instructions and recommendations

1 - Please read carefully :
We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :
We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :
We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:
Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :
Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :
We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.
Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ventilation :
The cooling vents ensure a safe use of this product, and avoid any overheating risk. Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never been operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose .

8 - Heat exposure :
Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

9 - Electric power supply :
This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

10 - Power cords protection:
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

11 - Cleaning precautions :
Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

12 - Long periods of non use :
Disconnect the unit's main power during long periods of non use.

13 - Liquids or objects penetration :
Do not let any object penetrate this product as it may result in electric shock or fire.
Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

14 - This product should be serviced when :
Please contact the qualified service personnel if :
- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

15 - Inspection/maintenance :
Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

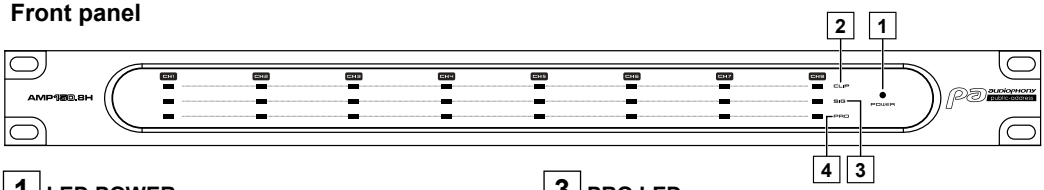
16 - Operating environment :
Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).
Do not operate this product in a non-ventilated, very humid or warm place.

2 - Introduction

The AMP150.8H is a compact and powerful Class D high-voltage amplifier. It delivers up to 150 W on 8 lines of 70 V or 100 V.
It features volume control for each channel and LED indicators (signal, clip, and protection). The input and output connections are equipped with Euroblock connectors.

3 - Presentation of the device

Front panel



1 **LED POWER**
This LED lights up green when the amplifier is switched on.

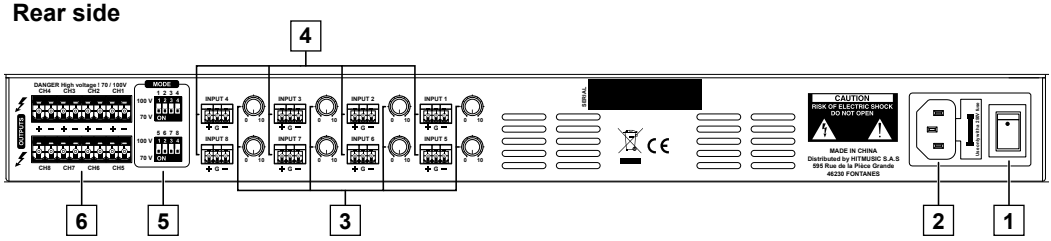
2 **CLIP LEDs**
These LEDs indicate that the signal level at the corresponding input is too high. Adjust the input level until the LED turns off.

3 **SIG LEDs**
These LEDs indicate that a signal is present on the corresponding channel.

3 **PRO LEDs**
These LEDs indicate that the amplifier is in protection mode due to overheating or a short circuit.

Notes:
- It is normal for the LED PRO to light up for a few seconds when the amplifier is switched on.
- If the PRO LED remains lit, switch off the amplifier, wait for it to cool down, and check the wiring.
- If it remains lit when switched on, even though the amplifier is not warm and all the wiring is correct, consult a specialist technician.

Rear side



1 **Switch**
Allows you to switch the amplifier on and off.

2 **Power input with fuse**
Connect the supplied IEC cord to this input and connect it to the mains after checking the voltage supplied.
If necessary, replace the fuse with one of the same type and rating.

3 **Level adjustment potentiometers**
These potentiometers allow you to adjust the level of each channel individually.

4 **Inputs INPUT**
These inputs on Euroblock connectors accept balanced or unbalanced line-level signals.

+: Symmetrical or asymmetrical positive signal.
G: Mass
-: Symmetrical negative signal Not connected in the case of an asymmetrical signal.

5 **Output voltage selector**
These selectors allow you to choose the output voltage between 70 V and 100 V for each channel.

6 **Output terminals**
Connect your speakers or ceiling lights to these terminals.

Dangerous voltage
The speaker lines must be connected to the amplifier last.
Switch on the amplifier once installation is complete and has been checked.

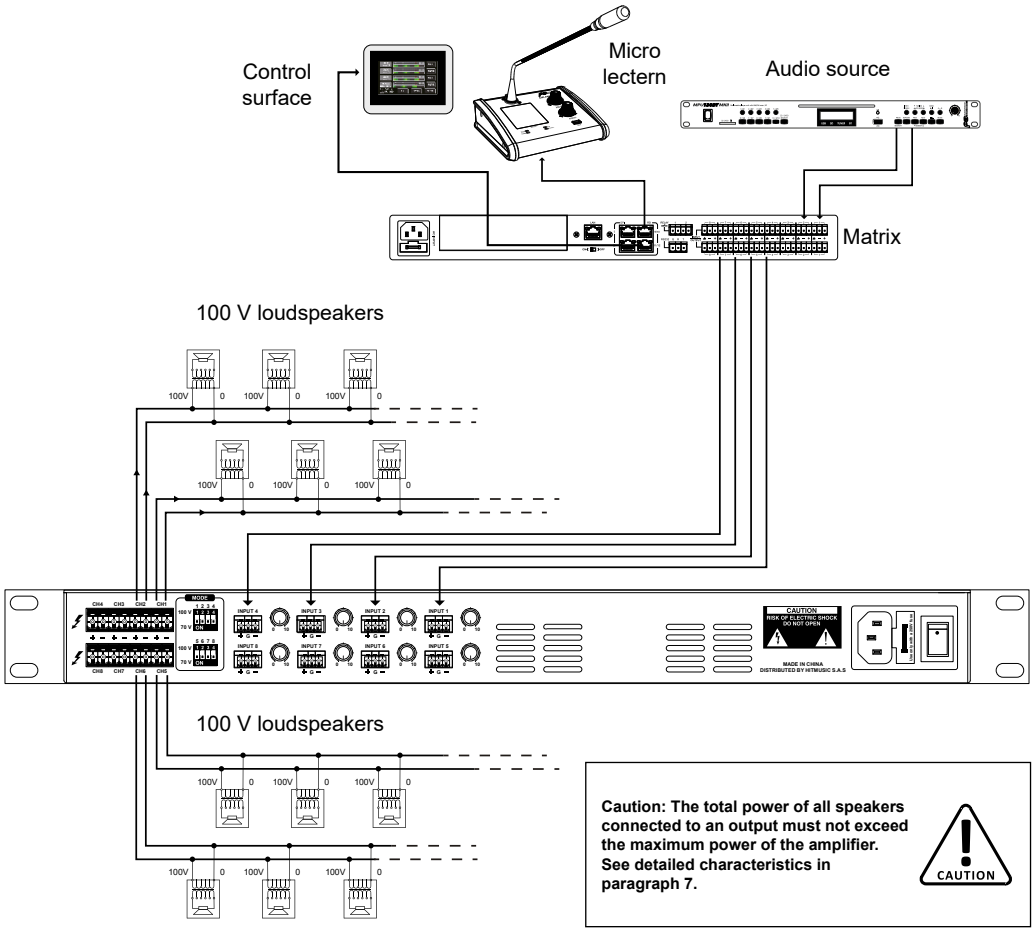
4 - Use

Use high-quality cables to connect your speakers.
To prevent short circuits, ensure that the cable strands are correctly twisted or tinned before connecting them to the output terminals.

When connecting your speakers to the amplifier, take care to observe the polarities.
Connect speakers equipped with transformers to the + and - output terminals.

Be careful to distribute the connected speakers so that the total power of all speakers does not exceed the maximum power of the amplifier.

Below is an example of use on two areas.



Caution: The total power of all speakers connected to an output must not exceed the maximum power of the amplifier. See detailed characteristics in paragraph 7.

CAUTION

CAUTION

Dangerous voltage
The speaker lines must be connected to the amplifier last.
Switch on the amplifier once installation is complete and has been checked.

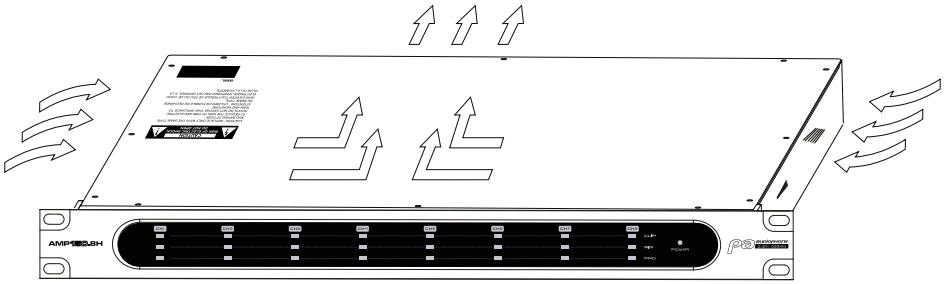
5 - Wiring details

Below is a table showing the correspondence between the distance between the amplifier and the speakers and the cable cross-section, in order to avoid deteriorating the signal quality.

Maximum length of the 100 V line			
Power	**Minimum impedance**	**Installed cable section**	
		1.5 mm²	2.5 mm²
150 W	67 Ω	800 m	1300 m

Note: Never use shielded cable to carry the power signal.

6 - Ventilation precautions



Air is drawn in through the front grilles, circulates through the unit and heat sink, and is then expelled through the rear vents. Do not block or obstruct the airflow through these vents and ensure that no foreign objects are present.

7 - Detailed specifications

		AMP150.8H
ELECTRICAL SPECIFICATIONS		
Power (100V)	An active channel	150 watts
	All active channels	8 x 135 Watts (74 Ω min.)
Power (70V)	An active channel	150 watts
	All active channels	8 x 135 Watts (36 Ω)
Input sensitivity		0.9–1.1 V (0 ± 1dBV)
Input impedance		20kΩ balanced / 10kΩ unbalanced
Voltage gain (100V)		40 dB
Frequency response		100 Hz - 15 kHz
Signal-to-noise ratio		> 95 dB
T.H.D+N		< 0.1%
Damping factor		> 200
Cross-talk distortion		> 70 dB
Output voltages		70V / 100V
Power circuit		Class D switching power supply
Food		AC 220–240 V, 50/60 Hz
Protections		Short circuits / Open circuit / Thermal / Limiter / Ultrasound and radio frequencies
Indicators		SIGNAL: Green LEDs CLIP: Red LEDs PRO: Red LEDs

PHYSICAL CHARACTERISTICS	
Connections	Inputs and outputs on Euroblock connectors
Settings	On/Off switch and volume controls on rear panel / Voltage selectors on rear panel
Cooling	By ventilation; 62.5 dB @1 m
Dimensions (W x D x H)	483 x 44 x 360 mm
	19" 1U
Net weight	5 kg

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