



HVA8.150

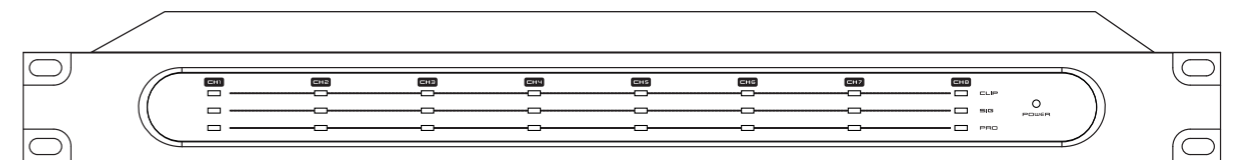
User's Manual



TOPP PRO MUSIC GEAR

www.topppro.com.ar

**SWITCHING POWER
PROFESSIONAL AMPLIFIER
HVA8.150**




HVA8.150


NF05303-1.0

Important Safety Instructions




TO REDUCE THE RISK OF ELECTRIC SHOCK PLEASE DO NOT REMOVE THE COVER OR THE BACK PANEL OF THIS EQUIPMENT. THERE ARE NO PARTS NEEDED BY USER INSIDE THE EQUIPMENT. FOR SERVICE, PLEASE CONTACT QUALIFIED SERVICE CENTERS.

 This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages in the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.

 This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.

 Protective Ground Terminal

 AC mains (Alternating Current)


 Hazardous Live Terminal

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

CAUTION

Describes precautions that should be observed to prevent damage to the product.

1. Read this Manual carefully before operation.
2. Keep this Manual in a safe place.
3. Be aware of all warnings reported with this symbol. 
4. Keep this Equipment away from water and moisture.
5. Clean it only with dry cloth. Do not use solvent or other chemicals.
6. Do not damp or cover any cooling opening. Install the equipment only in accordance with the Manufacturer's instructions.
7. Power Cords are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet, seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do not place heavy objects on the power. This could cause electric shock or fire.
8. Unplug this equipment when unused for long periods of time or during a storm.
9. Refer all service to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.
10. To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder.

WARNING

To reduce the risk of electric shock and fire, do not expose this equipment to moisture or rain.



Dispose of this product should not be placed in municipal waste and should be separate collection.

Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

11. Move this Equipment only with a cart, stand, tripod, or bracket, specified by the manufacturer, or sold with the Equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid possible injury from tip-over.



12. Permanent hearing loss may be caused by exposure to extremely high noise levels. The US. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible exposure to noise level. These are shown in the following chart:

Hours x day	SPL	Example
8	90	Small gig
6	92	Train
4	95	Subway train
3	97	High level desktop monitors
2	100	Classic music concert
1.5	102	
1	105	
0.5	110	
0.25 or less	115	Rock Concert

According to OSHA, an exposure to high SPL in excess of these limits may result in the loss of heat. To avoid the potential damage of heat, it is recommended that Personnel exposed to equipment capable of generating high SPL use hearing protection while such equipment is under operation.

The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

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Notes

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Introduction

The product switching power professional Amplifier is designed for professional use on stage. The high-quality components and the carefully designed circuits ensure excellent audio performance and an extremely linear frequency response. In fact, the switching technology offers, together with an increased efficiency and a better control of heat dissipation than conventional power supply systems, a drastic reduction of dimensions and weight, for easier transportation and installation. This Amplifier guarantees total reliability and a trouble-free use even in the most demanding conditions. We believe the product will provide a perfect performance, what you get is unprecedented performance at an incredibly attractive price.

Our Professional Audio Products are designed and tested by a highly qualified engineering team with more than 20 years of experience. Great care is placed in delivering products with excellent performance, specifications and dependable reliability. Also great emphasis is placed in creating and bringing to market products that can fill multiple applications and also offer customers exceptional value.

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Features

- High current switching power allowing high power output with low noise and low distortion.
- Substantial protection circuitry like thermal, short circuit, power on/off muting and therefore protection.
- Built-in limiter.
- Euroblock input and output.
- Gain controls for easy access.
- Signal, Clip protect, and Power LED indicators to monitor performance.

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Usefull Data

Please write your serial number here for future reference.

Serial Number:

Date of Purchase:

Purchased at:

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Guarantee

Topp Pro guarantees the normal operation of the product against any defect of manufacture and/or vice of material, by the term of (12) months, counted as of the date of purchase on the part of the user, committing itself to repair or to change, to its election, without position some, any piece or component that will fail in normal conditions of use within the mentioned period.

This guarantee is valid if the original buyer will have to present/display this certificate properly sealed and signed by the selling house, accompanied by the corresponding invoice of purchase where it consisted the model and serial number of the acquired equipment.

The guarantee does not cover:

- Damages caused by the illegal use of the product, repair and/or nonauthorized modification conducted by people by **Topp Pro**.
- Damages caused by the connection of the equipment to other equipment different from the specified ones in the manual of use, or by bad connection to these last ones.
- Damages caused by electrical storms, blows and/or incorrect transport.
- Damages caused by excesses or falls of tension in the network or by connection to networks with a tension different from the required one by the unit.
- Damages caused by the presence of sand, acid of batteries, water, or any strange element inside the equipment.
- Deteriorations produced by the course of the time, use and/or normal wear of the unit.
- Alteration or absence of the serial number of factory of the equipment.

The repairs could only be carried out the authorized technical service by **Topp Pro**, that will inform about the term and other details into the repairs to take place according to this guarantee.

Topp Pro, will repair this unit in counted a term nongreater to 30 days as of the date of entrance of the unit to the Technical Service. In those cases in that due to the particularity of the spare part, outside necessary their import, the repair time and the viability of the same one will be subject to the effective norms for the import of parts, in which case one will inquire to the user about the term and possibility into repair.

With the object of its correct operation, and of the validity of this one guarantee, this product will have to be installed and to be used according to the instructions that are detailed in the manual associate or the package of the product.

This unit will be able to appear for its repair, next to the invoice of purchase (or any other proof where the date of purchase consists), to its authorized distributor Topp Pro or an authorized technical center on watch by **Topp Pro**.

Exclusion of damages:

THE RESPONSABILITY OF TOPP PRO BY ANY DEFECTIVE PRODUCT IS LIMITED THE REPAIR OR THE REPLACEMENT OF HE HIMSELF, TO TOPP OPTION PRO. IF WE CHOSE TO REPLACE THE PRODUCT, THE REPLACEMENT CAN BE A RECONDITIONATED UNIT. TOPP PRO WILL NOT BE RESPONSIBLE BY THE DAMAGES BASED ON THE LOST, INCONVENIENCE, LOSS OF USE, BENEFITS, LOST SAVINGS, BY THE DAMAGE TO OTHER EQUIPMENT OR OTHER ARTICLES IN THE USE SITE, OR BY ANY OTHER DAMAGE IF HE IS FORTUITOUS, CONSEQUENT OR OF ANOTHER TYPE, ALTHOUGH TOPP PRO HAS BEEN NOTICED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow to the exclusion or the limitation to the fortuitous or consequent damages, so the aforesaid limitation can not be applied to you.

This guarantee gives specific legal rights him, you you can also have other right that varies of state to state.

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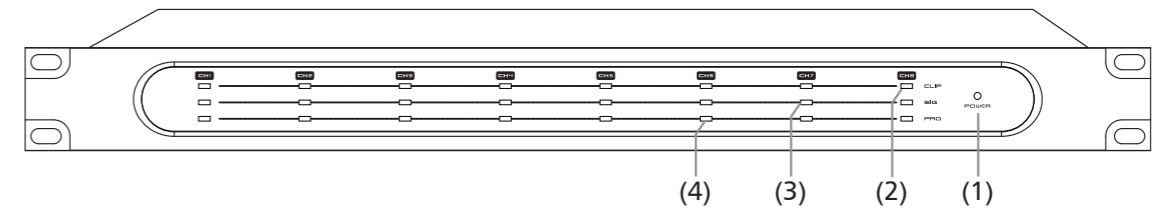
Technical Specifications

Output Power (100V line)	one channel drive	150W
	one channel drive	135W*8
Output Power (70V line)	one channel drive	150W
	one channel drive	135W*8
Input sensitivity	0.9-1.1V (0+/-1dBV)	
Input Impedance	20kΩ (balanced) 10kΩ (unbalanced)	
Frequency response	100 Hz - 15 kHz	
Voltage gain (100V)	40 dB	
THD+N	<0.1%	
S/N rate	>95 dB	
Crosstalk	>70dB	
Damping factor	>200	
Power output circuitry	Switching power, Class-D	
Power supply	110V-120V or 220V-240V AC 50/60Hz	
Protections	Short circuit, open circuit, thermal, ultrasonic and RF	
Connectors	INPUT & OUTPUT: Euroblock	
Controls	Front: AC switch, Input level control for each channel Rear: 70V/100V selector	
Indicators	SIGNAL: green LED CLIP: red LED POWER: green LED PROTECTION: red LED	
Dimensions (WxHxD)	483x44x360 (mm)	
Weight	5.4 kg	

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Control Element

FRONT PANEL



1. POWER LED

The Green LED light up when the amplifier power on.

2. CLIP LED

This red LED lights up when the input signal is too strong. it is time to reduce input level until clip LED turns off.

3. SIGNAL LED

These green LEDs light up when the respective channel's output signal pass through.

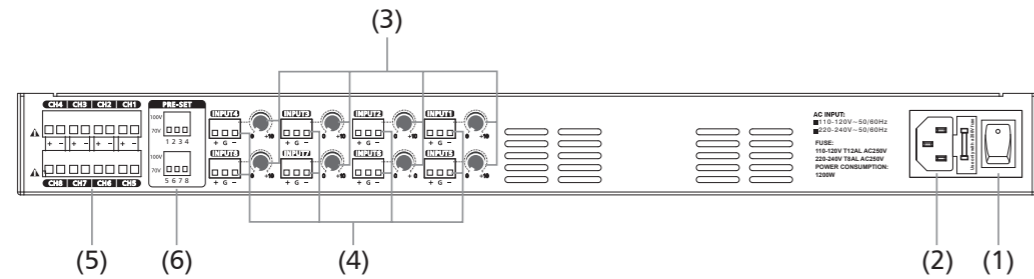
4. PROTECTION LED

In normal operation, the LED will not illume; If the LED turns red, it means the unit is in heat protection without sound output. The speaker system is actually disconnected from the amplifier outputs when this LED is red, the temperature must be reduced by good ventilation and the signal level decreased etc, if the problem is resolved. the protection output systems will deactivate automatically, and normal amplifier operation is resumed.

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Control Element

REAR PANEL



1. Power Switch

It switches ON/OFF the unit main power.

2. AC Input

Use it to connect your unit to the supplied AC cord.

3. Level Control

These volume controls allow you to adjust the volume level.

4. Euroblock input

INPUT +: balanced signal input+ or unbalanced signal input

INPUT G: signal GND

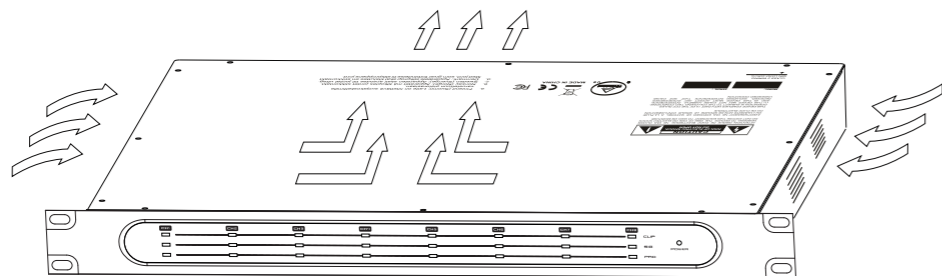
INPUT - : balanced signal input- or unbalanced signal not connect

5. Euroblock Output

Connect the amplifier to your speakers using these Euroblock.

6. Operation mode Switch

Select the operation mode (70V or 100V) on each channel moving the dip-switches to the desired position.



Exhaust Vents

Air is drawn from front grilles, flowing through the unit and heat sink, and then exhausted via the rear vents. Do not block or impede the air flow through these vents and keep the vents areas free of foreign materials.

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Applications

Inputs connections

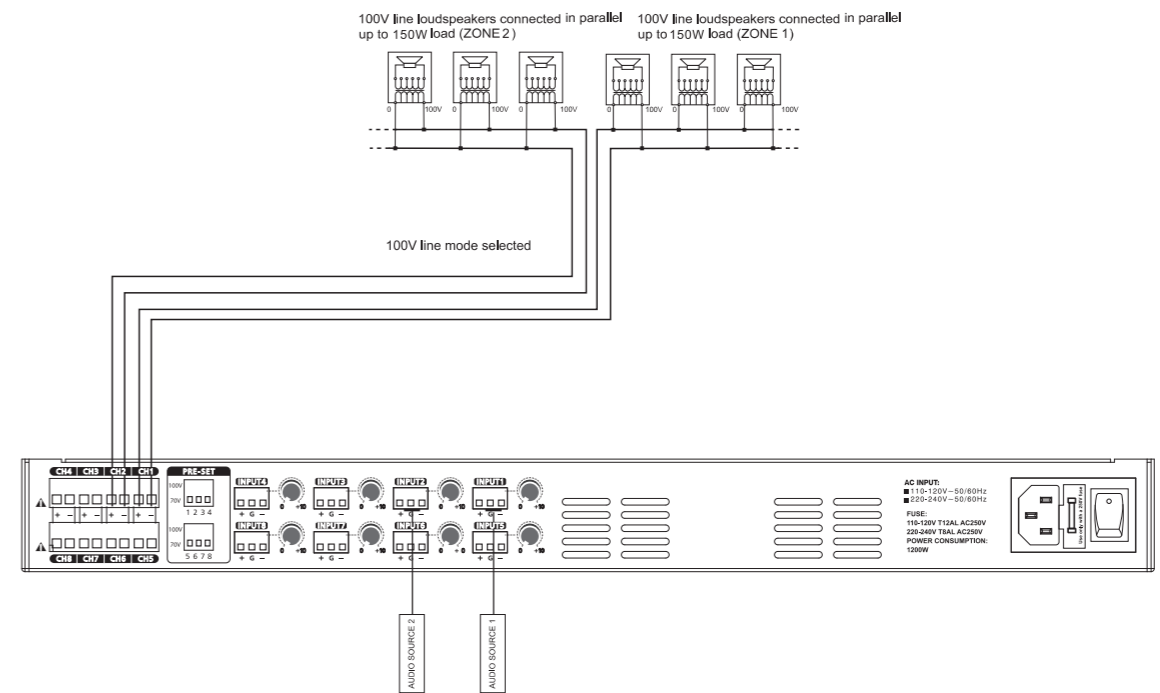
The inputs can be connected to the Euroblock socket using the female free part connectors supplied with the device.

For balanced inputs use Hot pin(+), Cold pin (-) and Ground pin (G) terminals.

For unbalanced inputs use Hot pin (+) and Ground pin (G) only.

Speaker connections

This is a connection example. Thanks to its 8-channel design, it is possible to separate 8 zones with different audio sources or to use the same audio on all zones.



SEIKAKU TECHNICAL GROUP LIMITED

客 戶	TOPP PRO						
料 號	NF05303						
品 名	說明書- 英文						
規 格	HVA8.150 TOPP PRO_V1.0						
公司機種(客戶機種)成品料號	HVA8.150						
重 量/ 基 數	0.02KG/1						
材 質	NH00149 2:1						
紙張展開性質	<input checked="" type="checkbox"/> A3 <input type="checkbox"/> A4 <input type="checkbox"/> A5 <input type="checkbox"/> 其它					紙張展開數量	4
核 准		審 核		校 稿		製 稿	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> 研發部 2018.07.12 馮斌 </div>
產品文件編號:							
陽片數量: 8 張							