



**LVA4.150**

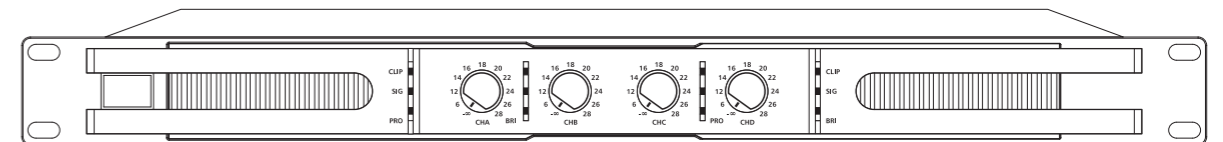
**User's Manual**



**TOPP PRO MUSIC GEAR**

[www.topppro.com.ar](http://www.topppro.com.ar)

**SWITCHING POWER  
PROFESSIONAL AMPLIFIER  
LVA4.150**



**LVA4.150**

## 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.

## 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.

# 7

## Technical Specifications

CHA & CHB CHC & CHD		2 Ω (RMS) / (EIAJ)	4 x 230 W / 4 x 360 W
		4 Ω (RMS) / (EIAJ)	4 x 150 W / 4 x 210 W
		8 Ω (RMS) / (EIAJ)	4 x 90 W / 4 x 120 W
BRIDGED		4 Ω (RMS)	400 W
		8 Ω (RMS)	310 W
THD		< 0,1%	
Frequency Response	CHA-CHD	20 Hz - 20k Hz +0/-1 dB	
Frequency Response (SUB Mode)	CHA & CHB	(50 Hz – 250 Hz) – 20 kHz +0/-3 dB	
	SUB	20 Hz – (50Hz – 250 Hz) +0/-3 dB	
S/N rate		> 96 dB	
Gain (V)		28 ± 0,5 dB	
Input Sensitivity		0,9-1,1 V (0+/-1 dBv)	
Input Impedance		20 kΩ balanced or 10 kΩ unbalanced	
Controls		Front panel: On/Off Power Switch, volume channel A, B & SUB Rear panel: SUB, CHA + CHB selector; Cut off frequency selectors	
Indicators		POWER ON : Green Led SIGN : Green Led PROT : Red Led CLIP : Red Led	
Connectors		Inputs: Euroblock Outputs: Euroblock	
Load Protection		On/Off Mute, DC fault grounding relay, internal fault fuses	
Power Supply		110 - 120 V or 220 - 240 V 50 ~ 60 Hz	
Dimensions (L x D x H)		483 x 281 x 44 mm	
Net Weight		4.6 kg	

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# 1

## Introduction

Thanks for the acquisition of the unit. This four channels power amplifier has been developed to drive two satellites and one subwoofer in fixed installations requiring limited space in the bays. The unit has a high efficiency thanks to his Class-D technology and can deliver 4 x 150 W RMS / 4 Ohms or 2 x 150 W RMS / 4 Ohms + 300 W RMS / 8 Ohms(Bridged).

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.

# 2

## Features

- Class-D
- 4 x 150 W / 4 Ohms or 2 x 400 W / 4 Ohms Bridged
- Balanced inputs on Euroblock connectors,
- Speaker outputs on Euroblock connectors,
- 1U rack,
- 4.6 kg

# 3

## Usefull Data

Please write your serial number here for future reference.

Serial Number:

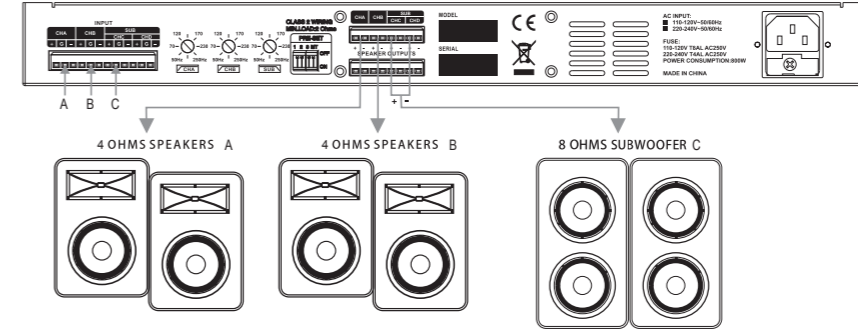
Date of Purchase:

Purchased at:

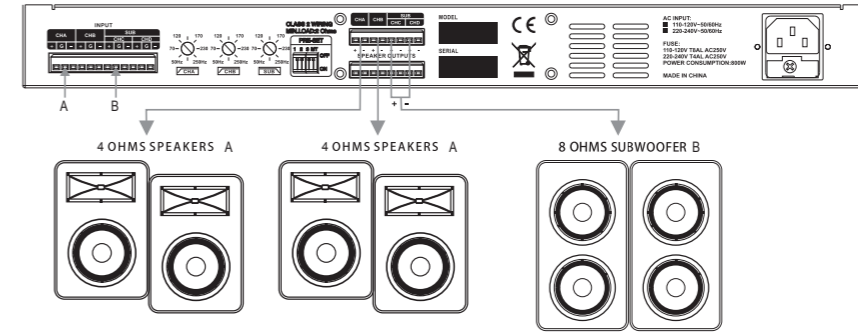
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## Applications

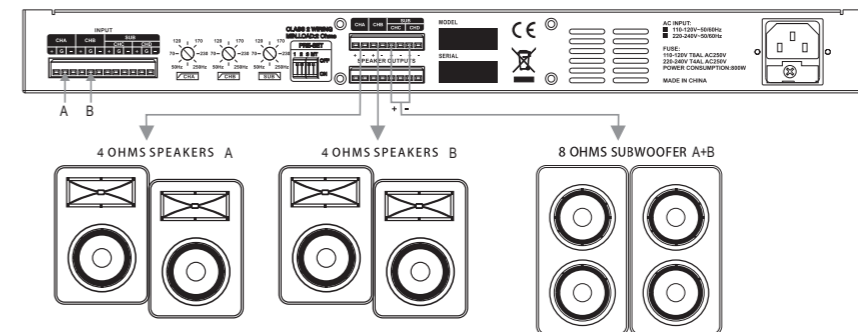
Mode 5: A/B stereo C/D bridged



Mode 6: A/B parallel C/D bridged



Mode 8: A/B stereo C/D SUB



## Applications

### Inputs connections

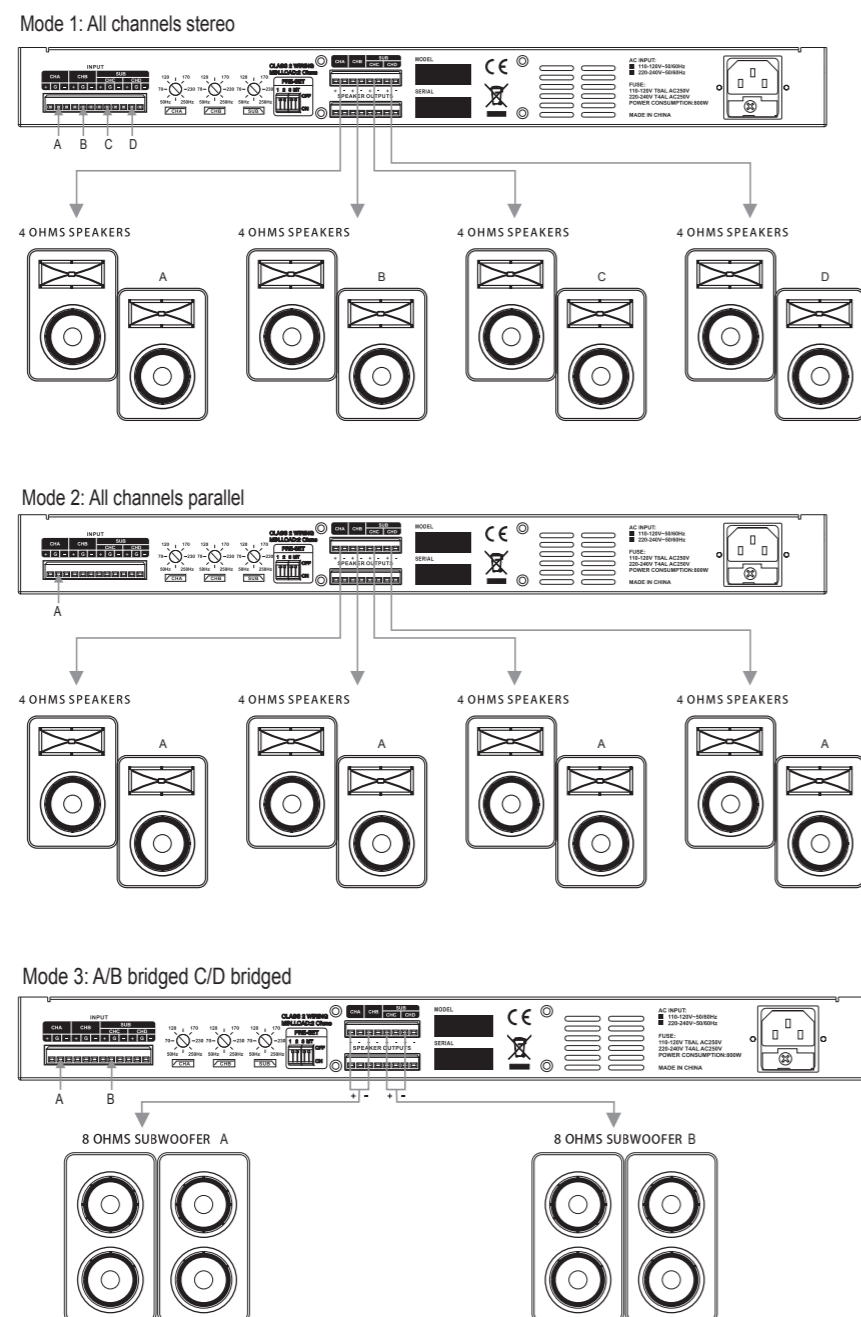
The inputs can be connected to the Euroblock socket using the female free part connectors supplied with the device.

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

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

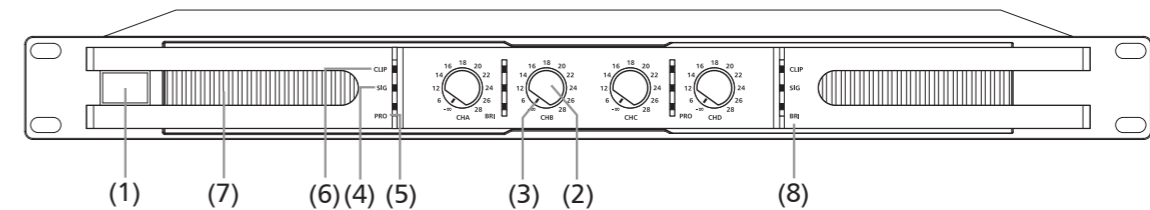
### Speaker connections

Check that the polarity is well respected for every speaker. Two Euroblocks connected point to point are available for easy parallel set up. The impedance output must not be higher than 2 Ohms per channel.



## Control Element

### FRONT PANEL



#### 1. Power Switch

It switches ON/OFF the unit main power.

#### 2. Level Control

These volume controls allow you to adjust the volume level.

#### 3. Power/Prior LED

The Green LED light up when the amplifier is powered ON.

The Red LED light up when the amplifier is input priority.

#### 4. Signal LED

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

#### 5. Protection LED

In normal operation, the LED will not illum; 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.

#### 6. Clip LED

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

#### 7. Air Intake Vents

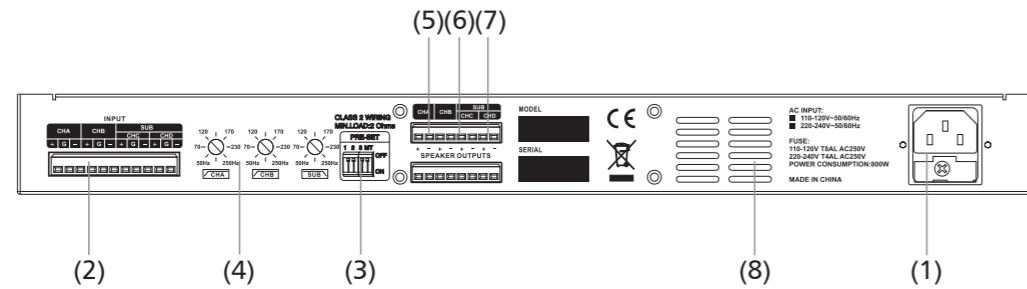
The unit employ a variable speed internal cooling fan to intake the air through front grill to keep it running cool even under extreme operating conditions.

Please keep these vents clear and free from obstruction at all times to insure proper cooling.

#### 8. Bridged LED

The Bridged LED light up when the amplifier is Bridged Mode.

## REAR PANEL



## 1. Mains and fuse

Power supply socket. Make sure that the cable plug is correctly inserted in the socket. The compartment located below the socket contains the fuse. In the event of change, it is imperative to use a fuse with identical electrical characteristics under threat of damage to the unit.

## 2. Input connectors

Euroblock balanced inputs

## 3. MODE

Mode 1: All channels stereo

All input and output channels are independent.

Mode 2: All channels parallel

All outputs are the same with any channel input.

Mode 3: A/B bridged C/D bridged

Input the signal to channel A, connect the speaker's "+" to the output A+, connect speaker's "-" to the output B+.

Then you get a 300W(8Ω) power. CH C and CH D are the same.

Mode 4: A/B parallel C/D parallel

CHA output and CHB output are the same whether input from CH A or CH B. The CH C and CH D are the same.

Mode 5: A/B stereo C/D bridged

CH A's input and outputs are independent from CH B. CH C and CH D are bridged.

Mode 6: A/B parallel C/D bridged

CH A and CH B are parallel. CHC and CH D are bridged.

Mode 7: A/B stereo C/D SUB

CH A and CH B are stereo. CH C and CH D are bridged. SUB output signal is low frequency from CHC input. X-OVER FREQ is available.

Mode 8: A/B stereo C/D SUB

CH A and CH B are stereo. CH C and CH D are bridged and the device filters and amplifies signal A+B to feed the Subwoofer with the low frequencies only. X-OVER FREQ is available.

Mode 9: Amplifier Mute

Amplifier is Mute.

\* X-OVER FREQ is available in Mode 7 and Mode 8 only.

	Preset				Operation Mode
	1	2	3	MT	
1	OFF	OFF	OFF	OFF	CHA/CHB/CHC/CHD ALL STEREO
2	ON	OFF	OFF	OFF	CHA/CHB/CHC/CHD ALL PARALLEL
3	OFF	ON	OFF	OFF	CHA/CHB BRIDGED ,CHC/CHD/ BRIDGED
4	ON	ON	OFF	OFF	CHA/CHB PARALLEL,CHC/CHD/ PARALLEL
5	OFF	OFF	ON	OFF	CHA/CHB STEREO,CHC/CHD BRIDGED(FULL RANGE)
6	ON	OFF	ON	OFF	CHA/CHB PARALLEL, CHC/CHD BRIDGED(FULL RANGE)
7	OFF	ON	ON	OFF	CHA/CHB STEREO, SUB(CHC/CHD BRIDGED,INPUT=CHC)
8	ON	ON	ON	OFF	CHA/CHB STEREO, SUB(CHC/CHD BRIDGED,INPUT=CHA+CHB)
9				ON	AMPLIFIER MUTE

## 4. X-OVER FREQ

## 5. 6. 7. Speakers connectors

Euroblock speakers output.The up and down outputs are connected together.

## 8. Vent grille

This fan has three level speed. The fan will speed up when the temperature of the amplifie rise up.

When you set the amplifie in mute mode, the fan run fastest. Check that the vent grille is not obstructed.