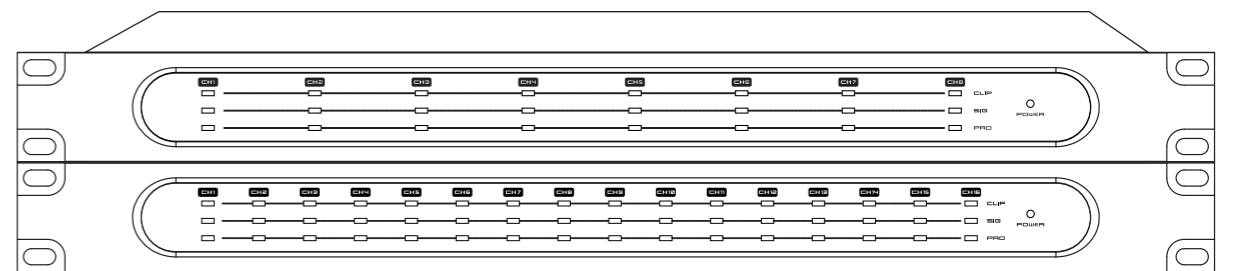


User's Manual






SWITCHING POWER PROFESSIONAL AMPLIFIER




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 hearing. To avoid the potential damage of hearing, 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.

Notes

1

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.

2

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.

3

Usefull Data

Please write your serial number here for future reference.

Serial Number:

Date of Purchase:

Purchased at:

Notes

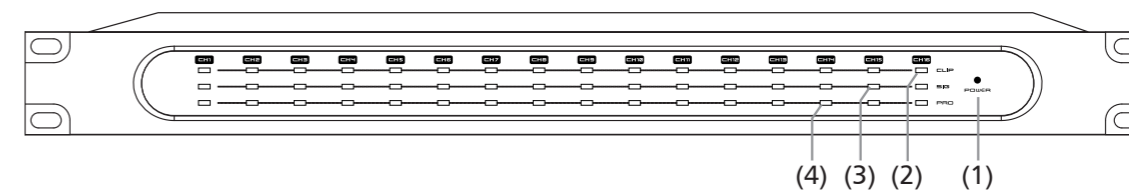
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Technical Specifications

Power Specifications(tolerance +/-5%)		CH1-8	CH1-16
CH1-8	4 ohms(RMS)	One Channel drive	150W*8
		All Channel drive	130W*8
CH1-16	8 ohms(RMS)	One Channel drive	80W*8
		All Channel drive	70W*8
Electrical Specification			
Input Sensitivity (Limit Off)		0.9-1.1V(0+/-1dBv)	
Input Impedance		20k ohms balanced or 10k Ohms unbalanced	
Frequency Response (at 10dB Rated Output Power)		20Hz ~ 20KHz(+0/-1dB)	
Voltage Gain		28+0/-0.5dB	
THD+N (Ref.1K 1/8 Rated Power, A-Weighted)		<0.1%	
S/N rate (Ref. Rated Power, A-Weighted)		>95dB	
Crosstalk (Below Rated Power)		>70dB	
Damping Factor(1K 8 ohms)		>200	
Power/Output Circuitry		Switching Power Class D	
General Specifications			
Protections	Full short circuit, open circuit, thermal, ultrasonic, and RF protection stable into reactive or mismatched loads, turn ON/OFF, muting, tried crowbar.		
Controls	Rear: AC switch, Input level control for each channel		
Indicators	SIGNAL: 8 green LED CLIP: 8 red LED POWER: 1 green LED PROTECTION: 8 red LED	SIGNAL: 16 green LED CLIP: 16 red LED POWER: 1 green LED PROTECTION: 16 red LED	
Connectors	Euroblock		
Power Supply	110V-120V or 220V-240V AC 50/60 Hz ±10%		
Dimensions	483mm(W) x 360mm(D) x 44mm(H)		
Weight	6.5kg(LVA8.150)	7.1kg(LVA16.150)	

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

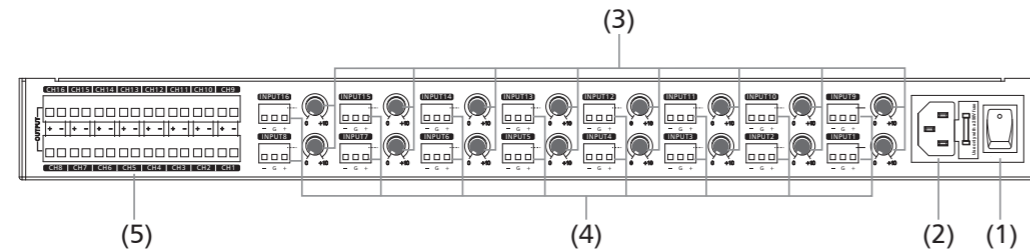
These green LEDs light up when the respective channel's output signal pass through.

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.

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

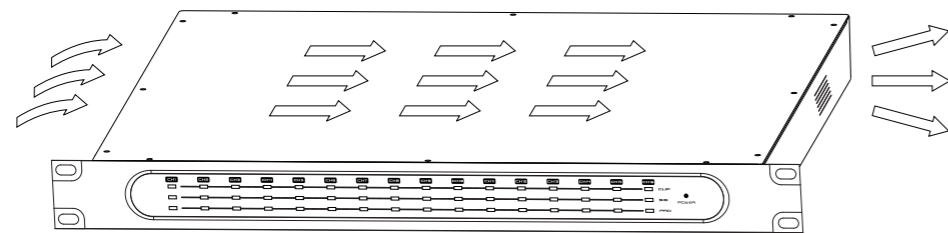
INPUT +: balanced signal input+ or unbalanced signal input

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.



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.

Applications

Inputs connections

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

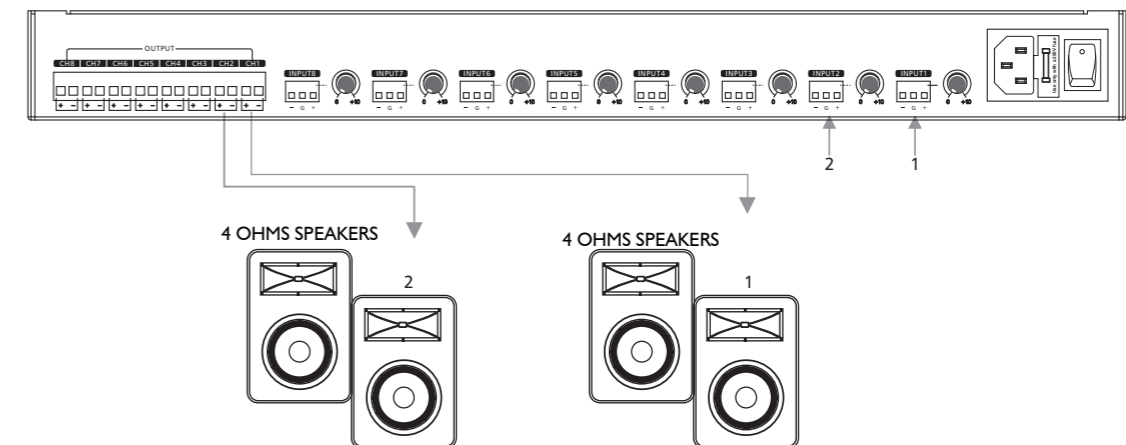
For balanced inputs use Hot pin(+), Cold pin (-) and Ground pin (G) terminals.

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

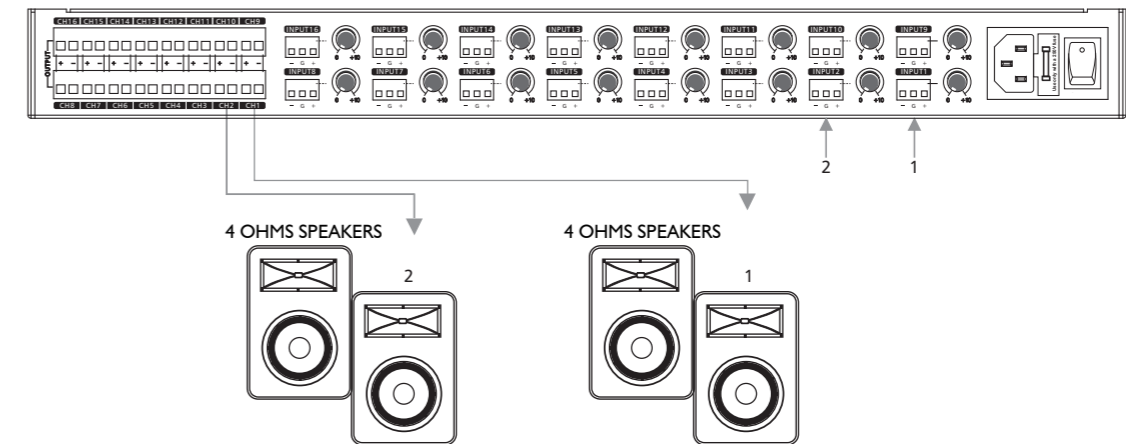
Speaker connections

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.


CH1-8



CH1-16



SEIKAKU TECHNICAL GROUP LIMITED

客 戶	TOPP PRO				
料 號	NF05243				
品 名	說明書- 英文				
規 格	LVA SERIES兩無_V1.0				
公司機種(客戶機種)成品料號	LVA 8.150				
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	
產品文件編號:					
陽片數量: 8 張					