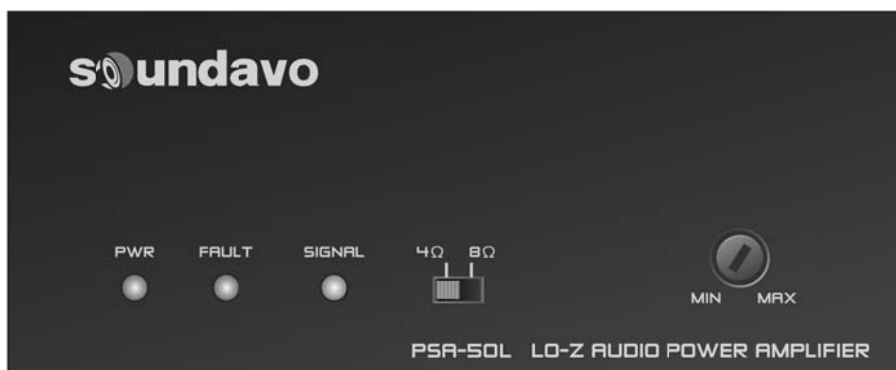




PSA-50L/PSA-50H SINGLE CHANNEL POWER AMPLIFIER



USERS MANUAL

DEAR CUSTOMER

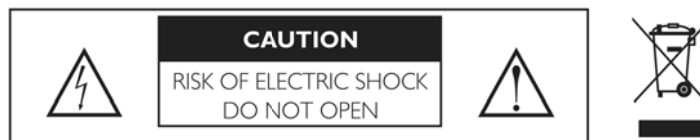
Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

WARNING

1. Do not expose this unit to water, moisture, or excessive humidity.
2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
3. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
4. Do not install near any source of heat, including other units that may produce heat.
5. Do not place unit near flames.
6. Only clean unit with a dry cloth.
7. Unplug unit during lightening storms or when not used for an extended period of time. A surge protector is strongly recommended.
8. Protect the power cord from being walked on or pinched, particularly at the plugs.
9. Use unit only with accessories specified by the manufacturer.
10. Refer all servicing to qualified personnel.

CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



FRONT PANEL



1.PWR: Green LED, indicates operating power supplied from AC line power

2.FAULT: Red LED, indicates an over-temperature or over-current fault

3.SIGNAL: Bi-color Green/Red LED, green indicates input signal presence and red indicates without input signal

4.Output Switch: 4Ω/8Ω switch on the front panel of PSA-50L
70V/100V switch on the front panel of PSA-50H

Note: Please ensure the correct setting before operation.

5.Input Level: Screwdriver-adjustable rotary control, adjusts the input attenuation level

REAR PANEL



1.SPEAKER OUT: 2-pin detachable terminal block, power amplifier output.

Wire Size: Terminals accept up to 12 AWG

2.AUDIO IN: RCA connectors (Unbalanced)

Unbalanced line-level audio inputs (summed);

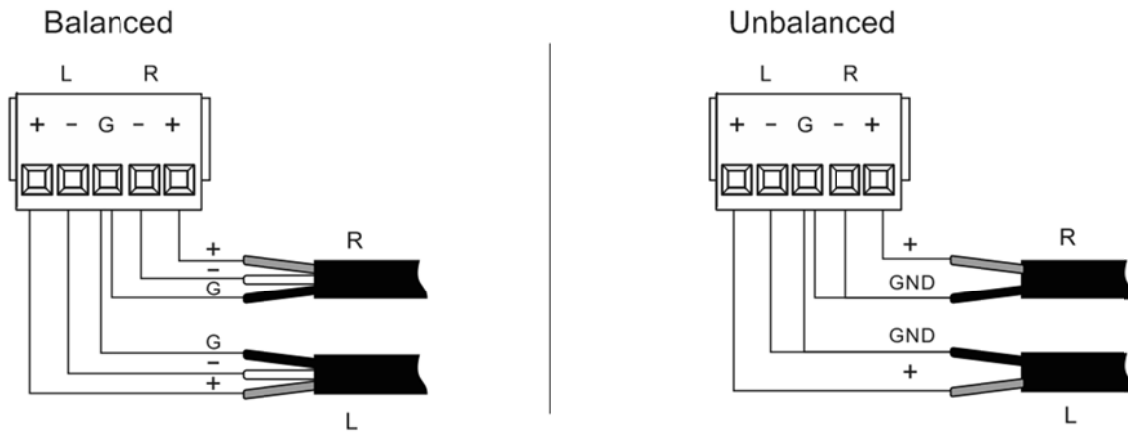
5-pin 3.5 mm detachable terminal block (Balanced)

Balanced line-level audio inputs (summed)

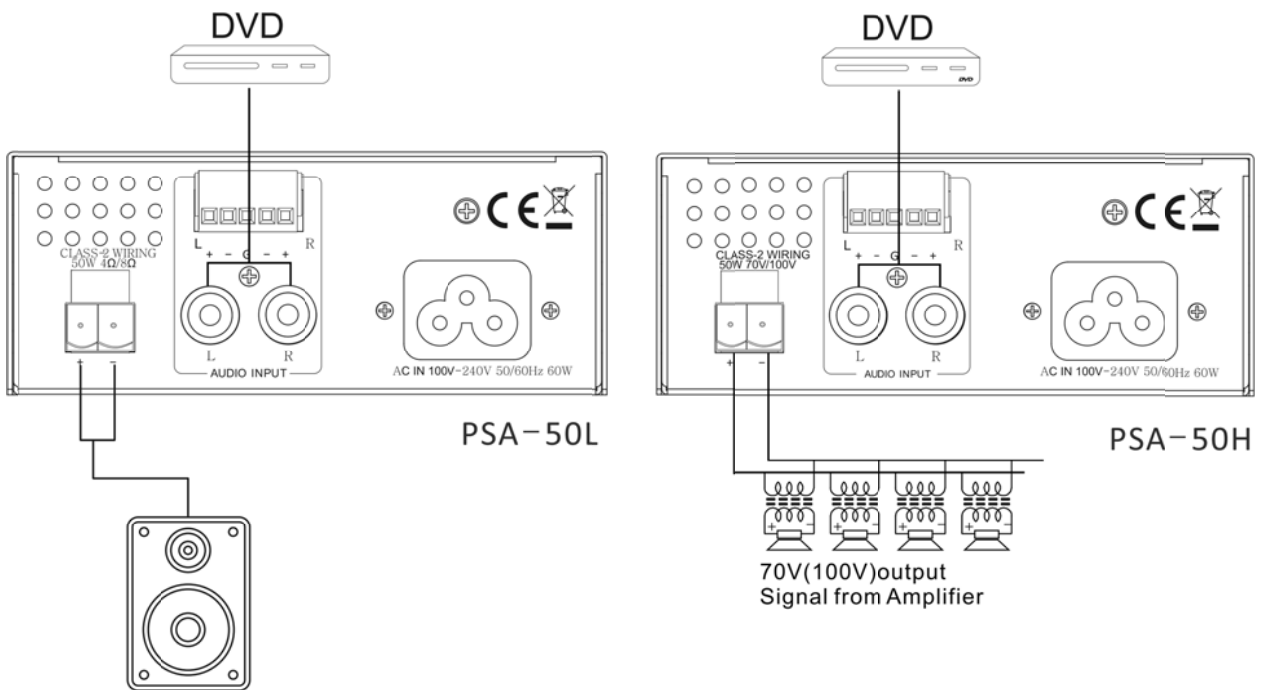
3.AC INPUT: Main power cord inlet

OPERATING DIAGRAM

Input Connection



Output Connection



Assemble Diagram

Before the amplifier can be installed a rack, please prepare the optional rack ears and Fix plate, and then follow below steps to install.

A:

| Assemble Single Amplifier | | |
|---------------------------|--|--|
| 1 | Amplifier Dimension Unit: mm | |
| 2 | Rack Ear (L) Unit: mm (Optional part) | |
| 3 | Assemble Diagram | |
| 4 | Finished Diagram Unit: mm | |

B:

| Assemble Two Amplifiers | | |
|-------------------------|--|--|
| 1 | Amplifier Dimension Unit: mm | <p>4 holes at the bottom for screw the fix plate</p> |
| 2 | Rack Ear (M) Unit: mm (Optional part) | |
| 3 | Fix Plate Unit: mm (Optional part) | |
| 4 | Assemble Diagram | |
| 5 | Finished Diagram Unit: mm | |

NOTE:

Two small rack rears attached in the box, for the simple installation.

SPECIFICATIONS

| | PSA-50L | PSA-50H |
|------------------------|-----------------------------------|-----------------------------------|
| Output Channel | 1 | 1 |
| Max. Output / CH | 50 W @ 4Ω/8Ω | 50 W @ 70V/100V |
| Frequency Response | 20Hz~22KHz +0/-3dB @ 4Ω | 20Hz~15KHz +0/-3dB @ 70V/100V |
| THD @ Max power | < 1% @ 4Ω | < 1% |
| THD @ 1/8 full power | < 0.2% @ 4Ω | < 0.2% |
| Signal-to-Noise Ratio | > 98dB | > 98dB |
| Line Input Sensitivity | 720mV, + 4.9 dBu Balanced. | 720mV, + 4.9 dBu Balanced. |
| | 720mV, + 4.9 dBu Unbalanced. | 700mV, + 4.9 dBu Unbalanced. |
| Input Impedance | RCA: 14 K Ohm | RCA: 14 K Ohm |
| | 5P Connector: 14 K Ohm | 5P Connector: 14 K Ohm |
| Protection | Thermal, Short | Thermal, Short |
| Power Consumption | 66 Watts @ 50W output | 68 Watts @ 50W output |
| | 3.8 Watts when no signal input | 4.2 Watts when no signal input |
| Rack-mount available | Yes | Yes |
| Input Connector | RCA, 5P Detachable Terminal Block | RCA, 5P Detachable Terminal Block |
| Output Connector | 2P Detachable Terminal Block | 2P Detachable Terminal Block |
| Dimension | 108.5mm x 44mm x 203mm (WxHxD) | 108.5mm x 44mm x 203mm (WxHxD) |
| Weight | 1.2Kg | 1.2Kg |