



Owner's Manual

MODEL NO.: SL-A4150

CLASS AB 4-CHANNEL POWER AMPLIFIER

Thank you for your purchasing this amplifier, we guarantee superior performance level in terms of electronics, mechanical and sound quality, maintaining the characteristics stated constant through time.

Wish you happy listening.

Please read this user manual carefully before you install your amplifier and follow the connection instruction and if necessary please contact the service center for any question.

Installation instructions

Please choose a place where there is no direct impact from the weather.

Please note it is necessary to find a place with good air circulating to help for the heat dissipation of amplifier.

To ensure the excellent performance and stability of amplifier please install it correctly.

Please use the proper length power cable to reduce power consumption and provide the best sound quality.

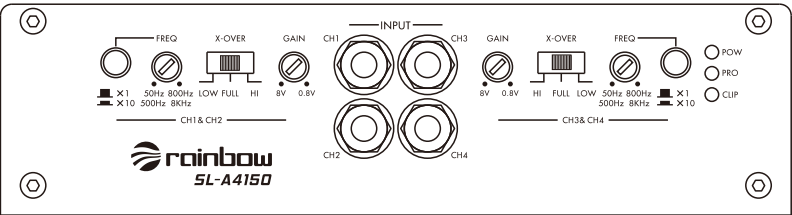
For safety, please use the power cable and speaker cable with specification suggested.

Please do not put the cable through any sharp metal or corners, and keep it away from the ignition wire or car computer control system, because it may have interference.

Please use as short power cable as possible and better use longer speaker cable.

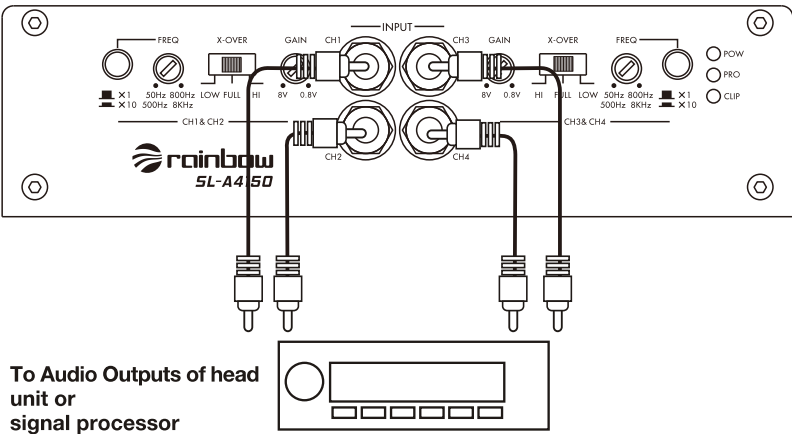
Please read the instructions for using the wire carefully to reduce interference.

Features



- 4CH amplifier
- Remote on/off circuit
- LPF adjustment
- HPF adjustment
- Short-circuit protection
- Thermal protection
- Power/Protection /CLIPLEDD indicator

Stereo Mode



SPECIFICATIONS

Class AB Amplifier	
MODEL	SL-A4150
RMS Power	4 Ohm Stereo 160W×4 Channel
RMS Power	2 Ohm Stereo 250W×4 Channel
RMS Power	4 Ohm Bridge 500W×2 Channel
Input Sensitivity	800mV - 8V
Frequency Response	10Hz - 40KHz
High pass / Low pass (-3dB, 12dB/Oct)	50Hz - 8000Hz
Signal to Noise Ratio :	>105dB(A weighted)
Total Harmonics Distortion:	<0.03%
Fuse Rating:	3 x 40A
Dimension (L × W × H):	450 x 200 x 58mm
Net Weight:	5.5KG

Common Failures

1. No sound
Please check if the speaker cable or signal input cable is well connected
2. No sound and protection (red) LED on
Please check if the speaker cable is in short circuit or if amplifier is overheating.
3. Sound quality not good
The speaker is overload, please turn down the volume and check the position of volume control potentiometer
4. No stereo or weak bass
Please check if speaker positive and negative are reversed

Caution:

1. This amplifier is designed for 12V DC power supply
2. Please connect speakers with 2ohm or 4ohm impedance
3. Please avoid installing the amplifier under high temperature area or under direct sunlight, keep away from damp or dusty area.
4. Please power on the amplifier after it cool down if your car is parked in direct sunlight and its temperature raise a lot.
5. Do not place the amplifier under a carpet.
6. Please separate the amplifier with speaker and do not keep too close to avoid interference.
7. This amplifier has a protection circuit design to protect MOSFET or speaker, do not test it through covering the heatsink or connecting incorrect load.
8. Do not use it when it is low battery.
9. For safety, please keep the proper volume so that you can hear the normal traffic signal outside.

Fuse replacement

If the fuse burns, please check the power connection and replace the fuse, if it still burns after replacement, maybe due to the problem inside, please check with your supplier.

1. Caution:

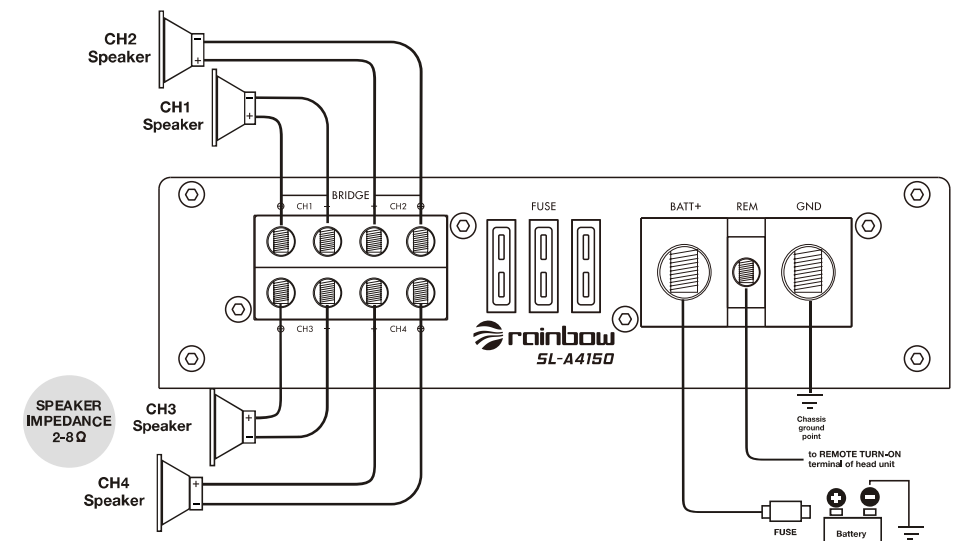
Please use the fuse with specified specification, it may cause serious damage if use a fuse beyond specified specification.

2. Protection circuit:

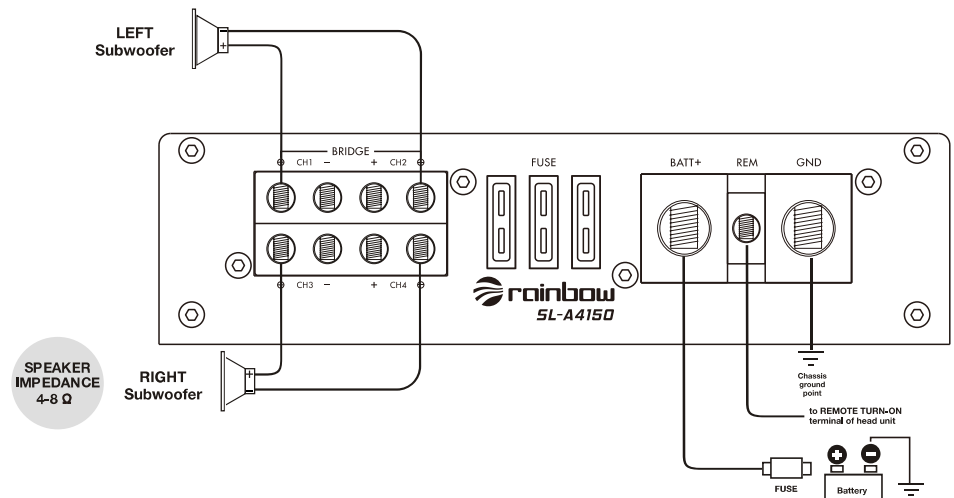
The protection circuit will go into effect under below condition:

- (1) The amplifier is overheating
- (2) The speaker terminal is in short circuit

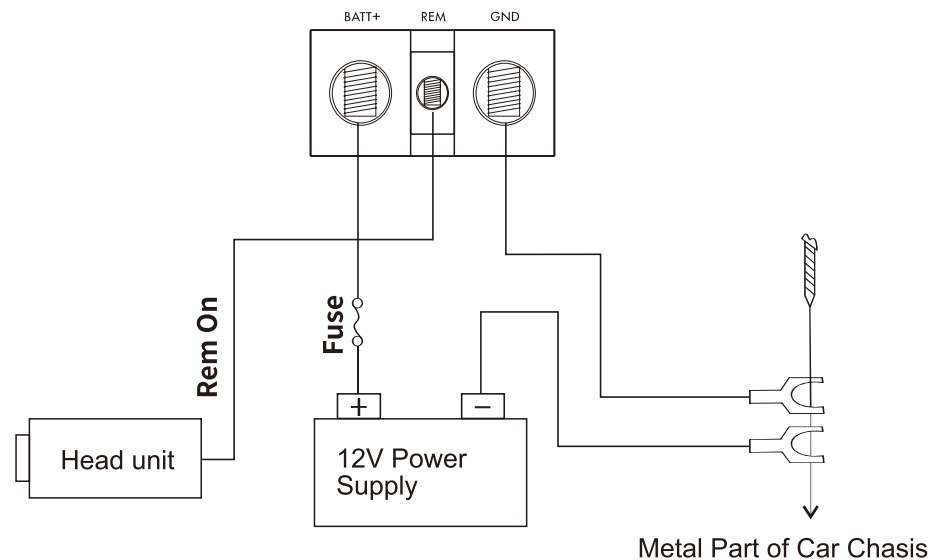
Power and Speaker Wiring



Bridged Mode



Power connection



Power connection instruction:

1. Please connect the +12V power input cable after fuse position.
2. Please make sure the ground wire is well connected with metal part of car shell. Incorrect connection may cause amplifier malfunction.
3. REM: The amplifier will power on by 12V power supply, the REM terminal cannot load high current so a thinner wire is suitable for connection. A #18 cable is recommended and its standard color should be yellow.
4. Put the power supply cable as close to the car battery.
5. When turn on the amplifier at full power the max current will flow the whole system so make sure the cable is connected with +12V and the GND terminal must use cable more than #2, #0 cable recommended.

Connection Instruction

1. Power supply

The power terminal (+12V) must direct connect with positive of car battery to provide adequate voltage and minimum noise. Connecting the power terminal to other point (like fuse holder) will reduce the power output and may cause noise or distortion. Please use cable with 0AWG or more to connect the terminals to power supply.

2. Ground connection

It is also very important to connect ground wire, please use wire with 0AWG or more like power cable and connect it with amplifier ground terminal and metal point of car chassis which is close. This wire should be as short as possible and remove the painting or rust to allow a clean metal surface to lock the thread end of ground wire.

3. Remote cable connection

Connect the REMOTE with headunit to turn on the amplifier, if there is no remote wire connection need to add a spare part or control it by car ignition wire. This remote cable cannot load high current so a 18 AWG cable is suitable.

4. Speaker connection

This depends on the RMS power and speaker model/quantity, in most cases use a cable with 16 AWG or more, please note the polarity of speaker terminal and make sure they are in same polarity with amplifier terminals.