



## USER'S MANUAL

### PA8W

800 WATTS | 8" (203 mm)  
LOW PROFILE AMPLIFIED SUBWOOFER

[www.planetaudiousa.com](http://www.planetaudiousa.com)

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PA8W

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LOW PROFILE AMPLIFIED SUBWOOFER  
FEATURING BUILT-IN  
AMPLIFIER AND  
2 PASSIVE RADIATORS



Planet Audio

Congratulations on your purchase of the Planet Audio PA8W, amplified Under Seat Subwoofer.

It has been designed, engineered and manufactured to bring you the highest level of performance and quality, and will afford you years of listening pleasure.

Thank you for making a Planet Audio your choice for car audio entertainment!

## **PA8W**

8" Amplified Under Seat Subwoofer

RCA and Speaker Level Inputs

LED Status Indicators

Subwoofer Phase Control

Soft Remote Turn-On

Subwoofer Remote Control

Variable Bass Boost

Low Pass Filter

MAX Power: 800 W x 1

Thermal, Short, Overload and Fuse Protection

Dimension: 13.78" (L) x 9.84" (W) x 2.95" (H)

Weight: 12.3 lbs.

## **Introduction**

The PA8W introduces a low-profile active subwoofer, its low enough to easily fit under the seat of your car.

This system offers you a quick and easy way to add a high-powered subwoofer to your audio system.

Both high-level (speaker level) and low-level (RCA) inputs are present, making this a universal solution for use with any head unit or other input sources.

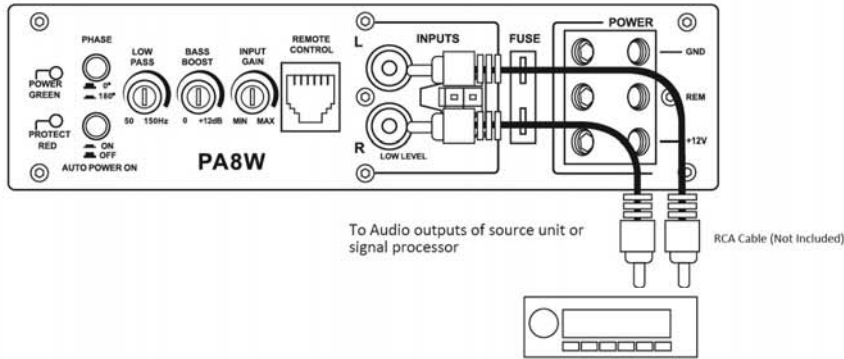
## RCA Inputs (Low Level)

RCA cables are preferred for best audio performance.

Installation lengths will vary due to sizes.

Always connect with the high-quality cables to avoid any induced noise.

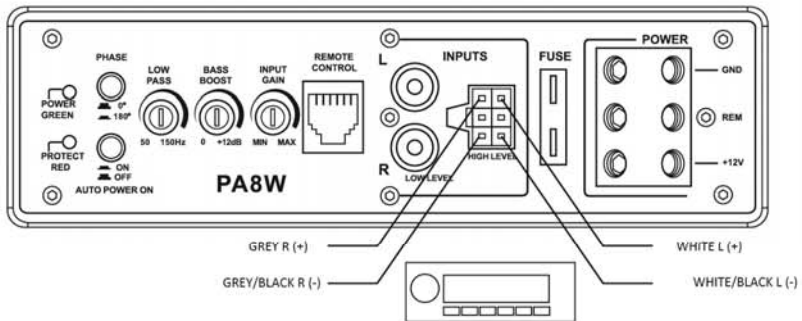
**NOTE: DO NOT USE/CONNECT BOTH HIGH-LEVEL AND RCA INPUTS AT THE SAME TIME**



## Speaker Input (High-Level)

The high-level input(s) should only be used when your receiver lacks Full-Range RCA Outputs.

If the RCA outputs are not present, connect the speaker outputs from the receiver to the high-level input connector of the amplifier. Be sure to observe polarity to avoid audio phase problems.



## Power Input Connections

Connect the ground terminal to the closest point on the chassis of the vehicle.

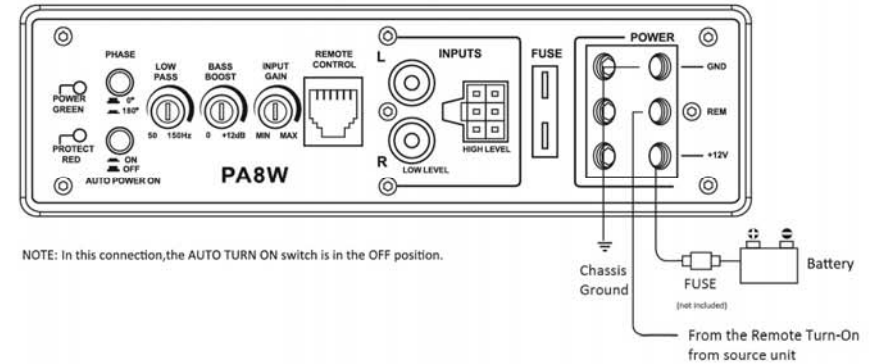
Keep this ground wire to less than 3 ft. (36") in length.

Use a high quality OFC 8 gauge wire.

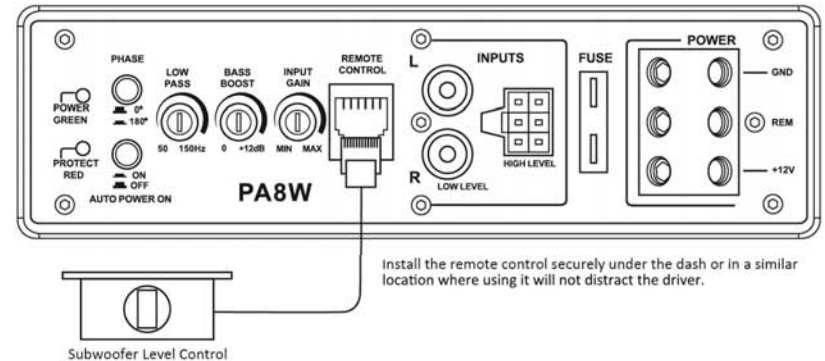
Connect the remote terminal to the remote output of the head unit to "REM" using 16 gauge wire.

Connect an empty fuse holder within 18" of the car battery, and run 8 gauge cable from this fuse to the amplifier location.

Then connect the fuse holder to the "+12V"



## Subwoofer Level Control



### K: Power Terminals

Planet Audio recommends the use of high quality 8 gauge wiring. The ground should be kept under 3ft (36"). Always scrape away any paint for the ground connection. Ground point should be clean with the correct type of bolt to secure it.

The +12V wire should be fused (30 A) within 18" of the battery, keep away from any signal and/or speaker lines to avoid noise in the system.

Remote turn-on wire should be coming from the source unit, so the amplifier turns on/off with the source.

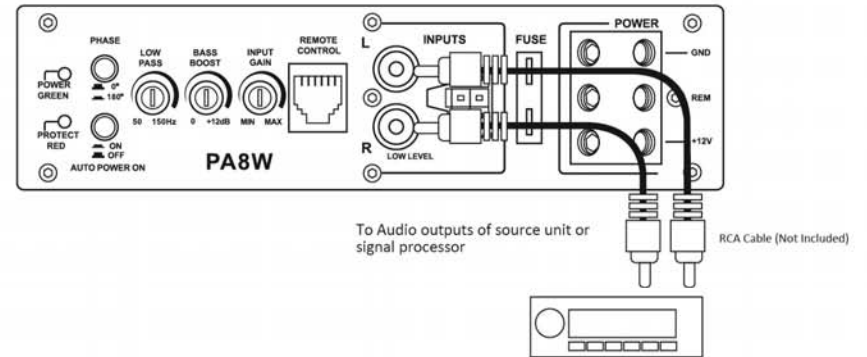
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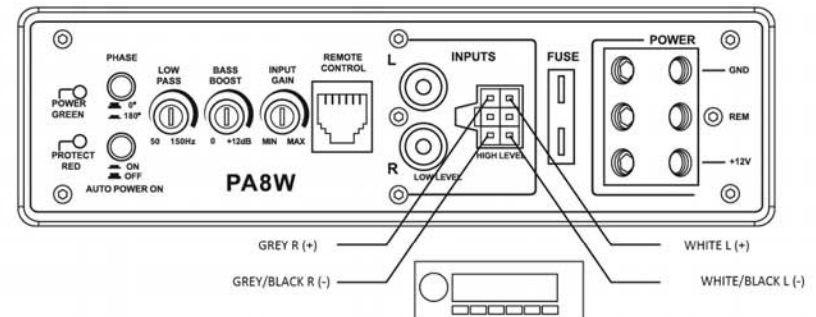
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If the RCA outputs are not present, connect the speaker outputs from the receiver to the high-level input connector of the amplifier. Be sure to observe polarity to avoid audio phase problems.



## Power Input Connections

Connect the ground terminal to the closest point on the chassis of the vehicle.

Keep this ground wire to less than 3 ft. (36") in length.

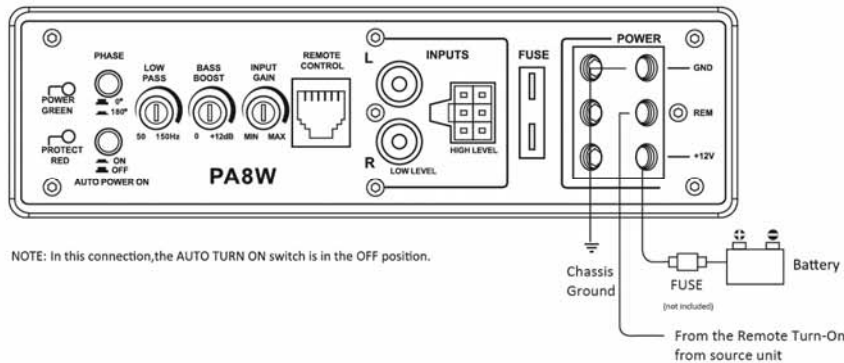
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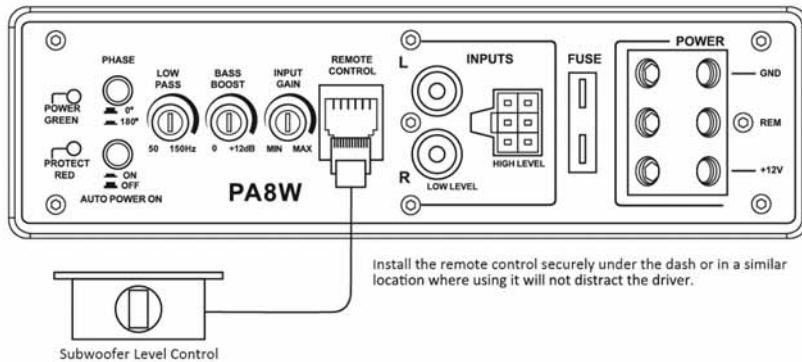
Connect an empty fuse holder within 18" of the car battery, and run

8 gauge cable from this fuse to the amplifier location.

Then connect the fuse holder to the "+12V"

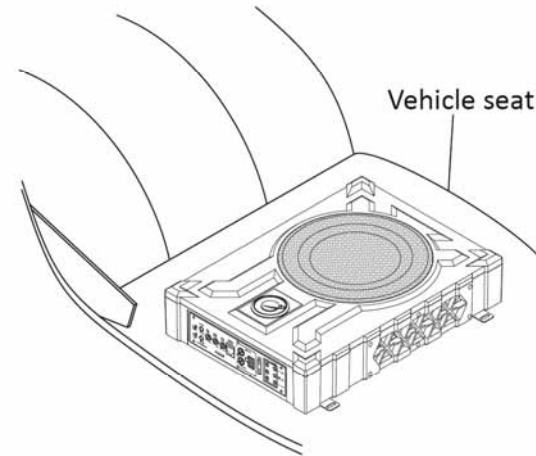


## Subwoofer Level Control



## Mounting the subwoofer

1. Find a suitable location in the vehicle in which to mount the amplifier. An optional location is shown below:



2. Make sure there is sufficient air circulation around the intended mounting location.
3. The mounting feet have multiple mounting locations.
4. Before drilling any holes or screws, double check you're not about to drill into any fuel lines, brake lines, cables, etc....

## Troubleshooting

If you experience operation or performance problems with this product, compare your installation with the electrical wiring diagrams on the previous pages.

If problems persist, read the following troubleshooting guide which may help.

If you have any further questions, please contact our Tech Department.

Amplifier will not power up	Check to make sure you have a good ground connection Check that the remote input (turn-on) has at least 9VDC Check that there is battery power on the (+)terminal Check that there is at least 12v Check all fuses, replace if necessary Make sure that the protection led is not illuminated. If it is lit, Shut off the amplifier briefly, and then power it ON again
Protection LED comes on when Amplifier is powered up	Turn down the volume control on the head until to prevent overdriving. If it remains on, please contact our Tech Dept.
No output	Check that all fuses are ok Check that unit is properly grounded. Check that the remote input (turn-on)has at least 9VDC Check that the RCA audio cables are plugged into the proper Inputs. Check all speaker wiring.
Low output	Reset the level control Check the crossover control settings.
High hiss in the sound	Disconnect all RCA inputs to the power sub's control panel. If the hiss disappears, then plug in the component driving the amplifier and unplug its inputs. If the hiss disappears at this point ,go on Until the faulty/noisy component is found. It is best to set the amplifier's input level control as low as Possible
Squealing noise is present	Check all cables
Distorted sound	Check that the input level control is set to match the signal level of the source unit. Always try to set the input level as low as possible. Check that all crossover frequencies are properly set. Check for broken or damaged cable insulation on the speaker leads.
Amplifier gets very hot	Check that there is good air circulation around the amp. Adjust the input gain to properly match the source unit
Engine noise	This is usually caused by poor quality RCA cables, which can pick up radiated noise. Use only the best quality cables, and route them away from any power cables.
Engine noise (alternator whine)	Check that the RCA grounds are not shorted to the vehicle chassis. Check that the source unit is properly grounded. Check the ground connection is clean and any paint is scraped away.

## Specifications

Maximum Power	800 W
THD	< 0.1%
S/NRatio	>90db
Frequency Response	20 Hz - 150 Hz
Input Sensitivity	120 mV - 3 V (Low input) 752 mV (High input)
Low Pass Filter	50 Hz– 150 Hz @ 12dB/Oct
Bass Boost @ 45 Hz	
Fuse Rating	30 A
Dimensions	13. 78" (L) x 9.84" (W) x 2.95" (H) (350x250x75mm)