

## Specifications:

Output:	RMS 120W (THD+N=1% fo=80HZ)
SNR (signal to noise ratio):	≥85dB
THD (total harmonic distortion):	≤1%
Input sensitivity:	5V-0.1V
Signal input mode :	RCA (Low Level) Or speaker (High Level) input
Bass unit:	8inch (210mm) 2Ω
Frequency range:	40-150HZ (-3dB)
Input power:	DC 9V-16V
Fuse Rating:	25amp
Set pad size:	245.83mm/9.67"
Net weight:	4.82KG (10lbs)
Gross weight:	6.2KG (13lbs)

## Troubleshooting

If you experience operation or performance problems with this product, compare your installation with the electrical wiring diagram on the previous pages. If problems persist, read the following troubleshooting tips that may help eliminate the problems.

### 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 5VDC. Check that there is battery power on the (+) terminal. Check that there is at least 12v. Check all fuse, replace if necessary. Make sure that the protection LED is not illuminated. If it is lit, shut off the amplifier briefly, and then re-power it.

### Protection LED Comes On When Amplifier Is Powered Up

Check for short circuits on speaker leads. Turn down the volume control on the head unit to prevent overdriving. Remote speaker leads, and reset the amplifier. If the Protection LED still comes on, then the amplifier is faulty and needs servicing. No output: check that all fuses are OK. Check that unit is properly grounded. Check that the Remote Input (Turn-On) has at least 5VDC. Check that the RCA audio cables are plugged into the proper inputs. Check all speaker wiring.

### Low Output (From Subwoofer)

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. The best subjective signal-to-noise ratio is achieved in this manner. Try to set the head unit as high as possible (without distortion) and the amp input level as low as possible. Squealing noise is present. Check for improperly grounded RCA interconnects.

### Distorted Sound

Check that the Input Level Control is set to match the signal level of the head unit. Always try to set the Input Level as low possible. Check that all crossover frequencies are properly set. Check for short circuits on the speaker leads.

### Amplifier Gets Very Hot

Check that the minimum speaker impedance for the amp model is correct. Check that there is good air circulation around the amp. In some applications, it may be necessary to add an external cooling fan.

### Engine Noise (Static - Same Level 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 power cables.

### Engine noise (Alternator Whine – Noise Volume Raises & Lowers with vehicle RPMs)

Check that the RCA grounds are not shorted to the vehicle chassis. Check that the head unit is properly grounded.



# SL1708

ACTIVE CAR SUBWOOFER



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

## INSTRUCTION MANUAL

PLEASE READ THIS ENTIRE MANUAL BEFORE FIRST USE

## Product Features:

1. All in one 8" (210mm) subwoofer with small unit design to fit under most vehicle seats.
2. Built-in Class-AB amplifier, "All-In-One Bass Addition Package" no need for external amplifier.
3. Die-cast aluminum heatsink
4. High quality material design and craftsmanship
5. Supports RCA (low level) OR speaker (high level) signal input from audio source
6. Adjustable GAIN control to match original vehicle system, so all speakers complement each other.
7. Easy-to-use control adjustments conveniently located on side of unit
8. Remote bass volume control knob

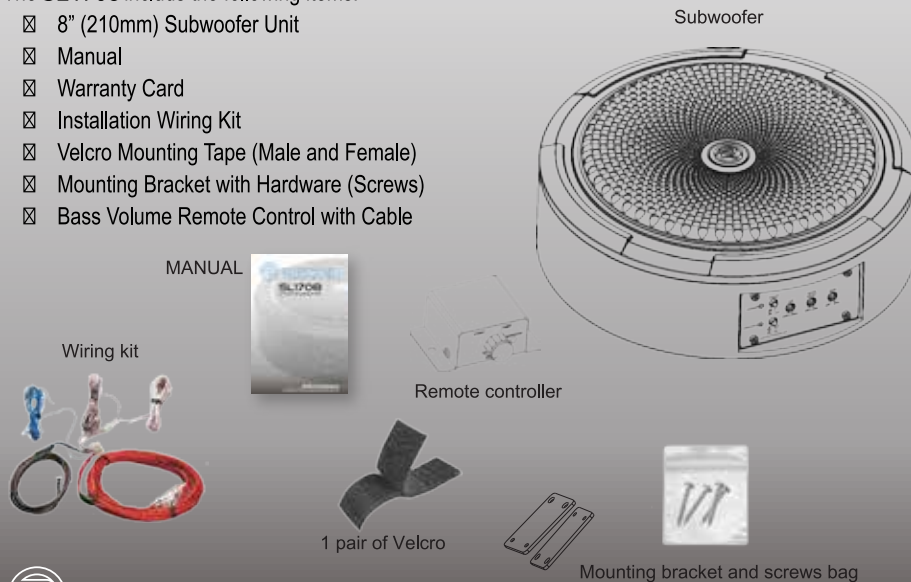
## Attention

- For use with negative ground 12-volt system, disconnect negative battery terminal before installing.
- Sounds levels over 100dB can cause hearing damage, please ensure volume levels do not exceed this for your safety.
- Removing the rear panel, or any tampering with the unit, will void the warranty.
- For proper (and continued) operations, please avoid long exposure to direct sun light, wet environment, and long-term high temperature environments.
- Recommended installation by a Professional Mobile Audio Technician.

## Included items inside the package:

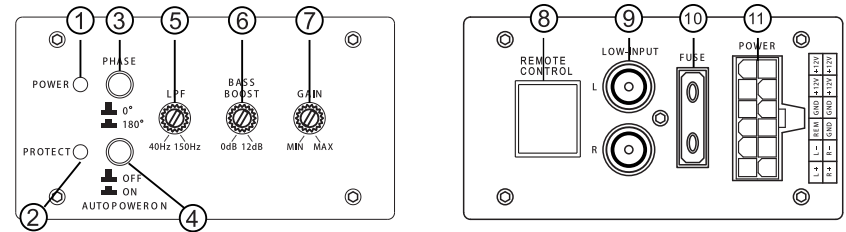
The SL1708 includes the following items:

- 8" (210mm) Subwoofer Unit
- Manual
- Warranty Card
- Installation Wiring Kit
- Velcro Mounting Tape (Male and Female)
- Mounting Bracket with Hardware (Screws)
- Bass Volume Remote Control with Cable



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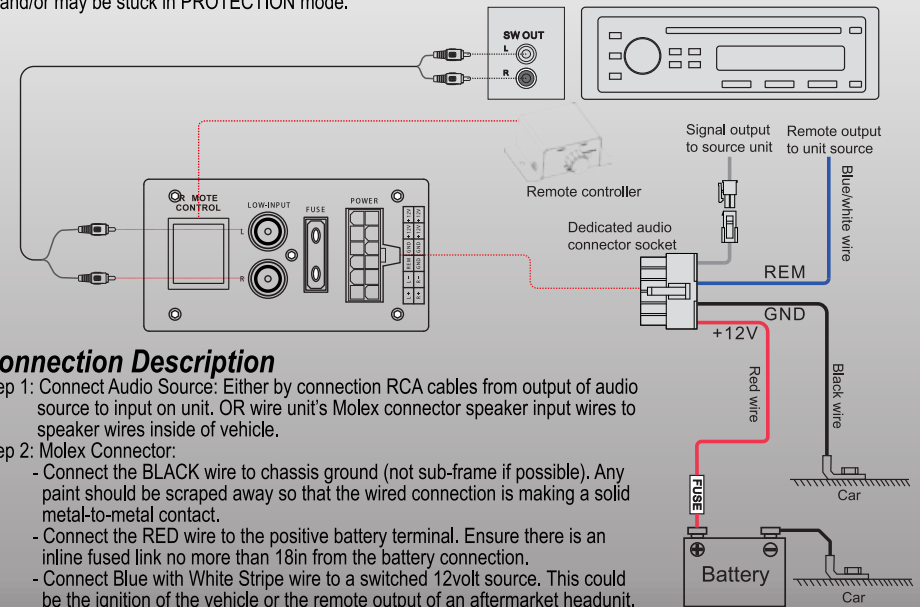
## CONTROLS:



## Product Control Function/Description:

- 1) Green Light: Unit is powered "ON" & operational
- 2) Red Light: Unit is in protection mode (See Troubleshooting)
- 3) Phase selection switch 0° (Normal phase) 180° (Reverse phase)
- 4) Automatic turn-on mode selection switch  
OFF: Unit will turn on when remote wire is triggered with 12-volt signal  
ON: Unit will turn on when audio is sensed on RCA input
- 5) Low pass frequency crossover adjustment
- 6) Bass boost adjustment from (0dB) to (+12dB)
- 7) Gain matching control adjustment (This is NOT a volume knob)
- 8) Remote bass knob control port
- 9) RCA connectors  
L = Left channel (White color)  
R = Right channel (Red color)
- 10) 25 amp fuse  
 Speaker level signal input wiring (Left/Right Channels)  
 Remote 12-volt trigger Input  
 Battery (+) (Constant 12volt source)  
 Battery (-) (Vehicle 12V Chassis Ground)

NOTE: Choose to use RCA Inputs OR Speaker Level Inputs, DO NOT use both. Doing this could cause damage to the inputs circuit of the unit. Damage causing the unit to not power on and/or may be stuck in PROTECTION mode. Automatic Power On: If switch is in the "ON" position, the Remote Wire "REM" should be disconnected and tapped off. This is to not cause a circuit overload inside of the amplifier. If the switch is set on "ON" and the "REM" wire is connected to a 12-volt source, this can overload the turn on circuit of the amplifier to be damaged. Damage causing the unit to not power on and/or may be stuck in PROTECTION mode.



## Connection Description

- Step 1: Connect Audio Source: Either by connection RCA cables from output of audio source to input on unit. OR wire unit's Molex connector speaker input wires to speaker wires inside of vehicle.
- Step 2: Molex Connector:
  - Connect the BLACK wire to chassis ground (not sub-frame if possible). Any paint should be scraped away so that the wired connection is making a solid metal-to-metal contact.
  - Connect the RED wire to the positive battery terminal. Ensure there is an inline fused link no more than 18in from the battery connection.
  - Connect Blue with White Stripe wire to a switched 12volt source. This could be the ignition of the vehicle or the remote output of an aftermarket headunit. RECOMMEND putting an inline fuse on this wired connection.
  - Choose 'Automatic Power On' selection to that of how the unit was installed.
- Step 3: Audio Adjustments: Adjust Low Pass Frequency Crossover, GAIN, Bass boost and Phase controls for desired sound.
- Step 4: Enjoy the additional bass sound of the audio in the vehicle!

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