

Installation Manual

Powered Subwoofer in Enclosure



Models and description:

GS-8BASSB

GS-10BASSB

GS-12BASSB

The **GS Audio GS-BASSB** is an active amplified subwoofer designed to enhance low-frequency response in OEM and aftermarket systems. Thanks to the integrated amplifier and compact structure, this system offers **easy and quick installation**, making it ideal for cars, campers, and vehicles where deeper bass is needed without taking up too much space.

The system features **RCA inputs, input level adjustment, crossover frequency control, and a phase selector**, allowing the subwoofer to be adapted to the installed audio system configuration.

Installation

Before proceeding with the installation, carefully choose the mounting point for the subwoofer. The product is typically installed in the vehicle's trunk in a stable position.

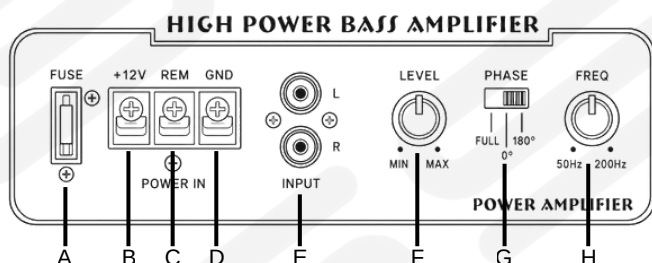
Before starting any operation, **it is mandatory to disconnect the vehicle's battery**. During installation, pay particular attention not to pierce or damage electrical cables, fuel lines, brake ducts, oil pipes, or other components present in the vehicle.

It is mandatory to disconnect the battery before starting the installation.

- **Connect the GND cable to a clean, stable metal point** on the chassis, removing paint, oxide, or impurities to ensure a good, safe electrical contact. Incorrect mounting or grounding can cause damage, malfunctions, or overheating.
- **Install a positive power cable (+12V) with a section of 16 mm² OFC (100% copper) or 16 mm² CCA (copper-clad aluminum)**. A **40A Mini ANL fuse** must be installed on this cable, positioned within 30cm of the vehicle's front battery.
- **Install the RCA cables** starting from the car radio to the subwoofer box. If the car radio is original and does not have RCA outputs, but only amplified outputs (high level), install a booster or line converter behind the dashboard. Being powered at 12V, the converter generates a **remote signal** necessary for turning the subwoofer on and off. Alternatively, to avoid disassembling part of the dashboard, you can take the audio signal from the rear door speaker cables and install the converter in the trunk.

Warning: Do not touch the connectors while the system is operating.

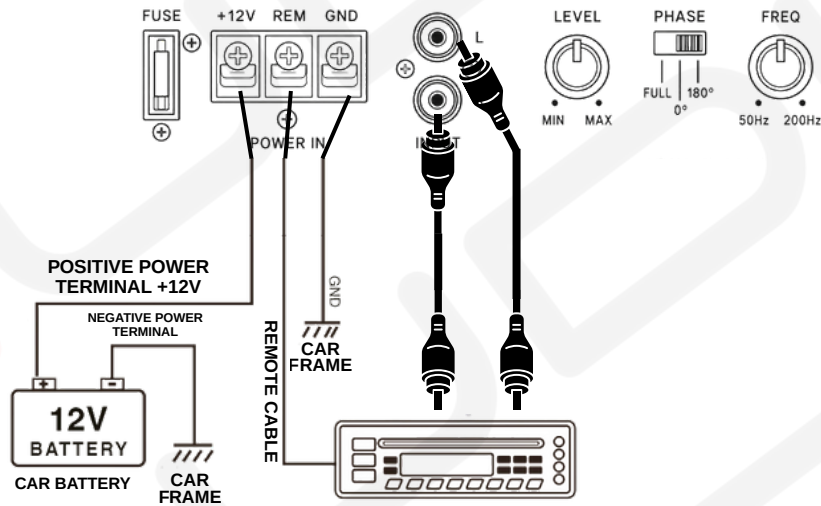
Overview of the amplifier panel



A: 25A Fuse
B: +12V Positive Power Supply
C: REM - Remote
D: GND - Ground

E: RCA input L/R
F: Input level control (GAIN)
G: Phase adjustment
H: Low-pass filter control

Wiring diagram



Technical data sheet

GS-8BASSB Model	
Subwoofer diameter	8" / 200mm
Impedance	4 Ohm
Cone material	Carta Pressata
Maximum output power	800 W
Nominal RMS power	400 W RMS
Low-pass filter	50Hz - 200Hz
Phase selector	0° - 180°
Recomm. operating voltage	10V - 15V
Volume	26.52L/0.94ft ³
Dimensions mm	400x255xH260
Dimensions inches	15.75"x10"xH10.24"

GS-10BASSB Model	
Subwoofer diameter	10" / 250mm
Impedance	4 Ohm
Cone material	Carta Pressata
Maximum output power	800 W
Nominal RMS power	400 W RMS
Low-pass filter	50Hz - 200Hz
Phase selector	0° - 180°
Recomm. operating voltage	10V - 15V
Volume	34.8L/1.23ft ³
Dimensions mm	430x270xH300
Dimensions inches	16.9"x10.6"xH11.8"

GS-12BASSB Model			
Subwoofer diameter	12" / 300mm	Phase selector	0° - 180°
Impedance	4 Ohm	Recomm. operating voltage	10V - 15V
Cone material	Carta Pressata	Volume	48.6L/1.72ft ³
Maximum output power	800 W	Dimensions mm	450x300xH360
Nominal RMS power	400 W RMS	Dimensions inches	17.72"x11.81"xH14.17"
Low-pass filter	50Hz - 200Hz		

WARRANTY: The product is covered by a warranty for any material or manufacturing defects, as outlined in the Terms and Conditions of GS Audio. The warranty starts from the date of purchase at GS Audio or an authorized dealer.

The warranty is valid only for the first purchaser and is not transferable to third parties.

The warranty does not cover damages caused by incorrect installation, improper use, electrical overload, clipping, tampering, or interventions performed by unauthorized personnel.

Quick Troubleshooting Guide

The amplifier does not turn on: Check the ground, remote cable, +12V power supply, fuses, and the status of the protection LED. Replace the fuse if necessary.

No audio output: Check fuses, ground, remote, RCA connections, and speaker wiring.

High hiss or noise: Verify RCA, ground, and signal quality. Adjust the gain to the minimum necessary and keep shielded RCA cables separate from power cables.

Amplifier very hot: Some heating is normal during operation. However, ensure there is proper ventilation.