

Dear Customer,
CONGRATULATIONS. The LS-SUB-100 Powered Subwoofer, when used as described, will give you years of dependable service. We have taken numerous measures in quality control to ensure that your product arrives in top condition, and will perform to your satisfaction. In the rare event that your LS-SUB-100 Powered Subwoofer contains a damaged or missing item, does not perform as specified, requires warranty service or you have an installation problem, please call our **TOLL FREE number US 800-638-3600** and ask to speak with a member of our technical service team, or submit your questions by **E-Mail to techsupport@magnadyne.com** and a member of our technical service team will respond by E-Mail to your questions.

1. Pre-installation

Location

Place the powered subwoofer in a location that allows air to circulate around it. Amplifier location and installation will vary from application to application. Carefully consider as many installation locations and configurations as is practically possible. **DO NOT COVER** the powered subwoofer with carpet or enclose it behind interior panels. **DO NOT** mount inverted or upside down. The amplifier may be mounted vertically.

Connect the fused 12 Volt DC power wire, chassis ground cable, and remote wires. (SEE SECTION 3, ELECTRICAL CONNECTIONS)

Turn on the car stereo. If the Power Protection light is green, turn off the stereo and proceed to the next section. If the Power Protection light is red, review all of the connections and wires. You may have a loose connection, a bad chassis ground, or an inadequate size power wire. If the problem persists after reviewing all of the connections and wires, call our toll-free help line for assistance.



Do not mount inverted or upside down. Do not cover with carpeting or enclose it behind interior panels.

2. Mounting the Powered Subwoofer



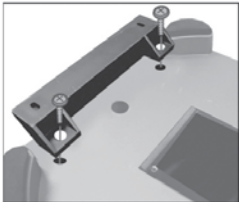
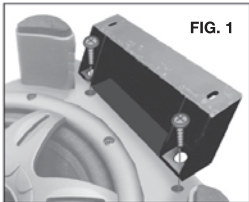
Water Damage: Do not install this Powered Subwoofer in a location that will expose it to water or moisture.

Dust or Dirt: Do not install this Powered Subwoofer in a location that will expose it to dusty or dirty conditions.

DO NOT BLOCK THE PORT OPENING FOR ANY REASON.

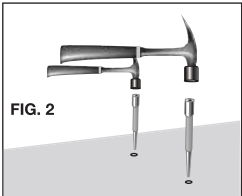
Modifications: Do not open the Powered Subwoofer for any reason, or modify it in any way. If modified in any way a fire hazard or malfunction may occur. Modification will void the warranty.

STEP 1.



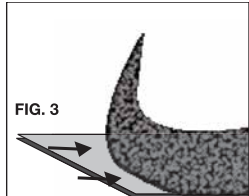
Attach the supplied brackets to the base of the Powered Subwoofer using the 4 Phillips Pan Head Screws. (FIG. 1)

STEP 2.



Steel / Wood Mount

With a hammer & nail set/center punch, make dimple marks on the surface for each mounting screw. (FIG. 2)



Carpet Mount

Cut a piece of plywood 22" x 11" and slide it under the carpet where the Powered Subwoofer will be mounted and proceed to step #4. (FIG. 3)

STEP 3.



Drill 4 pilot holes with an electric drill & 1/16" bit. Make sure that nothing is behind the mounting surface that can be damaged when drilling. (FIG. 4)

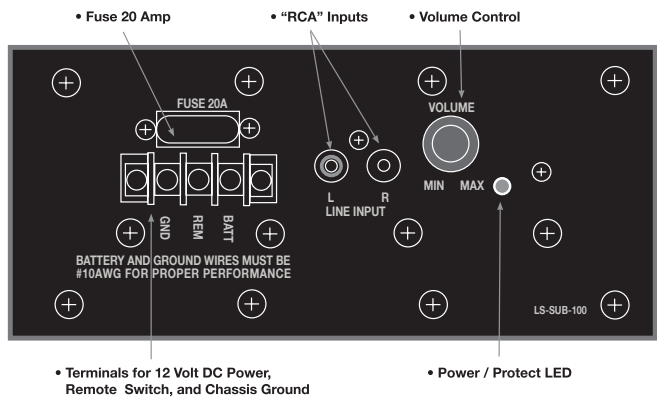


When mounting the Powered Subwoofer, make sure there is enough room for access to make adjustments to the volume control.

Specifications

- 400 Watts Total Power
- 100 Watts @ 4 Ohms < or = 1% THD+N.
S/N> or = 75 dbA ref. 1 Watt Output @ 14.4 VDC.
- Measured at 14.4 VDC Input Voltage
- Frequency Response: 25~150 Hz
- Dimensions: 19.63" L X 9.25" W X 7.25" H
- Ported ABS Enclosure
- 8" Subwoofer
- Fuse: 20 Amp Automotive Blade Type

Features & Functions



3. Electrical Connections



Read the following wiring instructions very carefully. If you have any trouble understanding any of these instructions, have the amplifier professionally installed by an experienced technician. Incorrect wiring will prevent the amplifier from operating, or will damage the amplifier.

1. Power Terminal

1. Strip 1/2" of insulation from the end of the minimum 10 gauge power wire. Connect the 10 gauge power wire to the battery terminal for the LS-SUB-100.
2. Loosen screw to open battery and ground connector plates on rear of amplifier.
3. Insert the 10 gauge wire between the connector plates. Turn screw until power cable is tight.

2. Remote Terminal

The REMOTE wire connection automatically turns on your amplifier when your stereo is tuned on. On most stereos, this wire is marked as the REMOTE, ACCESSORY, or POWER ANTENNA.

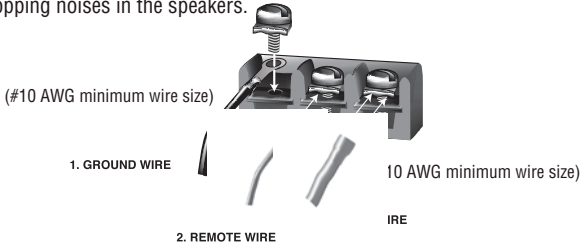
1. Locate the REMOTE, ACCESSORY, or POWER ANTENNA on the stereo. (Refer to you stereo owner's manual.)
2. Splice the REMOTE, ACCESSORY or POWER ANTENNA wire from rear of the stereo to a length of wire that will reach the rear of the amplifier.
3. Loosen screw and open REMOTE connector plates on rear of amplifier.
4. Insert wire end between the REMOTE connector plates.
5. Tighten screw closing REMOTE connector plates on wire.

3. Ground Terminal

1. The ground connection cable should be attached to clean, unpainted chassis metal for a good electrical connection.
2. Find good, no-rusted chassis metal, as close to the amplifier as possible.

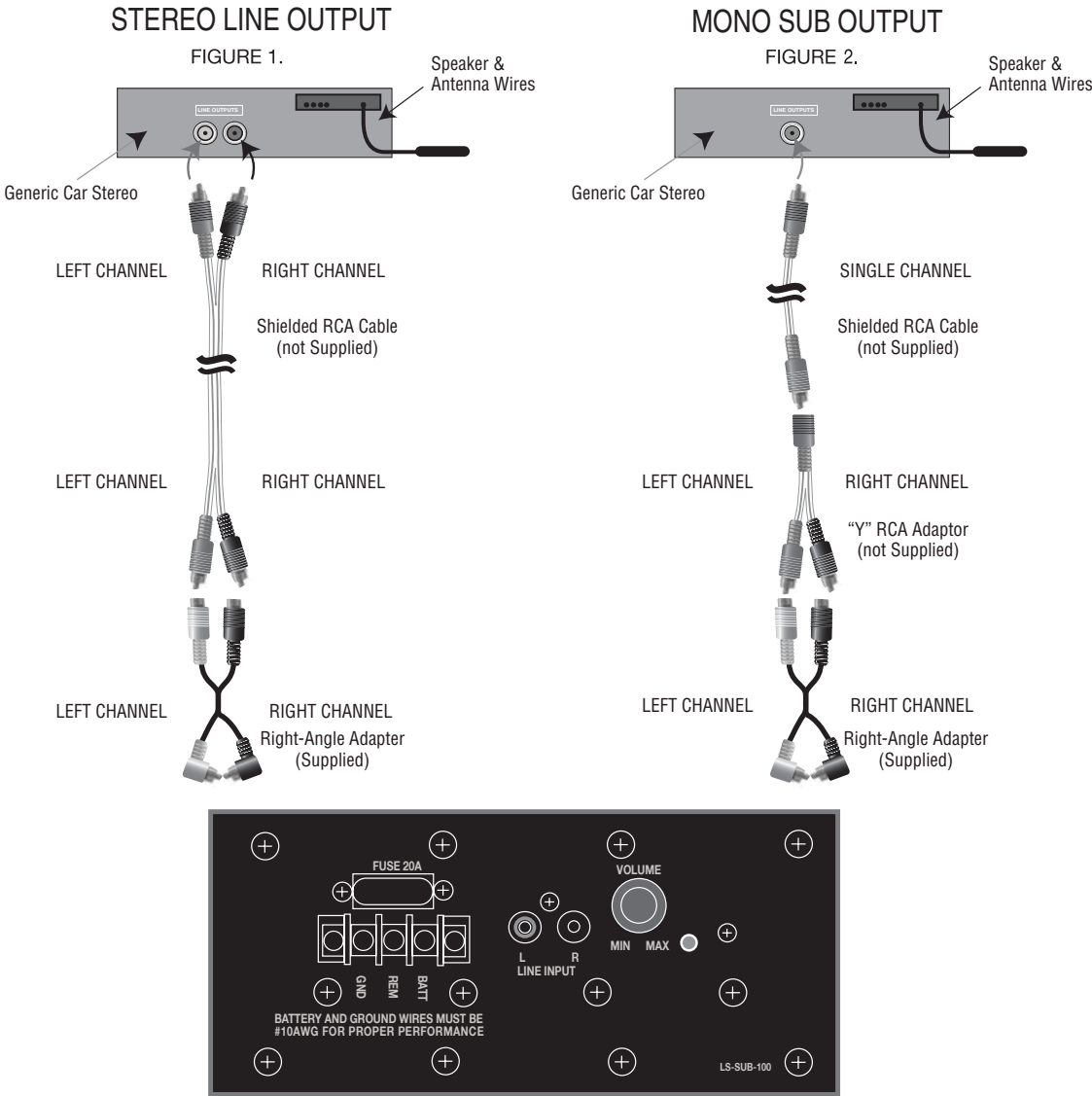


3. Drill a pilot hole with a 1/16" drill bit.
4. Use sandpaper to expose an area of bare metal around the pilot hole about the size of a dime.
5. Tightly fasten the provided ground cable with self tapping sheet metal screw to the chassis metal. A loose ground will cause distortion and popping noises in the speakers.



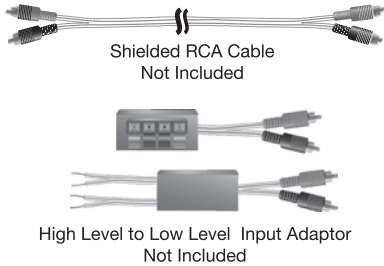
4. RCA Line Inputs

The line inputs on the front of the amplifier receive low level, high impedance signals from the low level RCA outputs of the car stereo. The amplifier receives the signals and converts them to high level, low impedance signals to be used to drive the speakers. All of the amplifiers line inputs need to be connected to the car stereo, in order to use all of the speaker outputs.



Adaptors & Cables

If your stereo does not have RCA type output jacks, a high level to low level adaptor will need to be purchased. The high to low level adaptor takes the signals from the car stereo's speaker wires and converts them to low level, high impedance signals to be used by the amplifier. Install the converter according to the manufacturers' instructions.



Do not splice RCA jacks directly to the car stereo's speaker wires.



The color of the cables and adaptors that you purchase for installation will vary by manufacturer.

5. Volume Settings

- Set the volume control to on the LS-SUB-100 to Minimum.
- Turn on the car stereo. The LS-SUB-100 will turn ON and the green LED will be on.
- Set the head unit volume to a normal listening level on your speakers.
- Adjust the LS-SUB-100 volume control until the subwoofer volume matches the speakers.
- NOTE: Never turn the volume control to Maximum. This will result in damage and void the warranty.

6. Warranty

ONE (1) YEAR LIMITED WARRANTY

Magnadyne Corporation or its authorized agents will within one year from the date of sale to you, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agent's obligations hereunder do not apply where the product was; damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operations, or serviced by anyone other than Magnadyne Corporation or its authorized agents, or where the warning seal on the product is broken or the power and/or plugs are detached from the unit. Magnadyne Corporation or any of its authorized agents will not assume any labor costs for the removal and re-installation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such cost are the sole responsibility of the purchaser.

This warranty does not cover the cabinet appearance items or accessories used in connection with this product, or any damage to recording or recording tape, or any damage to the products resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

MAGNADYNE CORPORATION OR ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE TO ANYONE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR CLAIMS EXCEPT THOSE ACCORDED BY LAW. NO EXPRESSED WARRANTY OR IMPLIED WARRANTY IS GIVEN EXCEPT THOSE SET FORTH HEREIN. NO IMPLIED WARRANTY SHALL EXTEND BEYOND ONE YEAR FROM THE DATE OF SALE.

This warranty extends only to the original purchaser of the product and is not transferable. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

“NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment.”

Defective merchandise should be returned to the original point of purchase or secondly, to Magnadyne Corporation, 1111 W. Victoria Street, Compton CA 90220. Return Authorization must be obtained before sending, or merchandise may be refused.