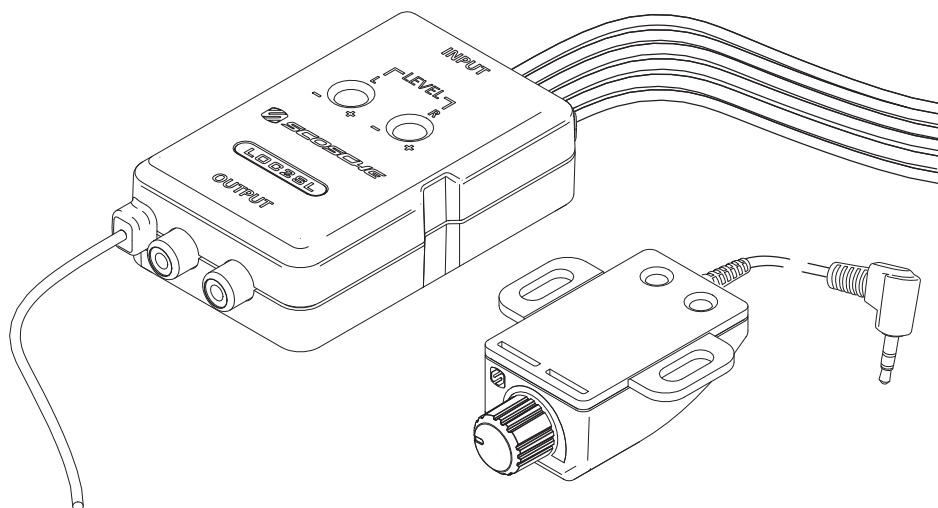


SCOSCHE® LOC2SL

ADD-ON AMPLIFIER ADAPTER



INTRODUCTION

The **LOC2SL** converts speaker wire (high level) to RCA (low level) outputs for the purpose of adding a 2-channel or mono amplifier to an existing factory or aftermarket stereo system. The **LOC2SL** also includes a convenient remote-mountable volume control for precise control over subwoofer amplifier level from up front in the vehicle.

PRELIMINARY

BEFORE BEGINNING: READ THESE INSTRUCTIONS!

****CAUTION**:** Disconnect negative battery terminal to avoid short circuits. Read ALL manufacturers warnings regarding air bags and electrical systems in your vehicle. We recommend the use of a volt-ohm meter or computer-safe LED probe when checking wiring. A test light or grounded light probe if used improperly can cause damage to the vehicle's computer and/or diagnostic system.

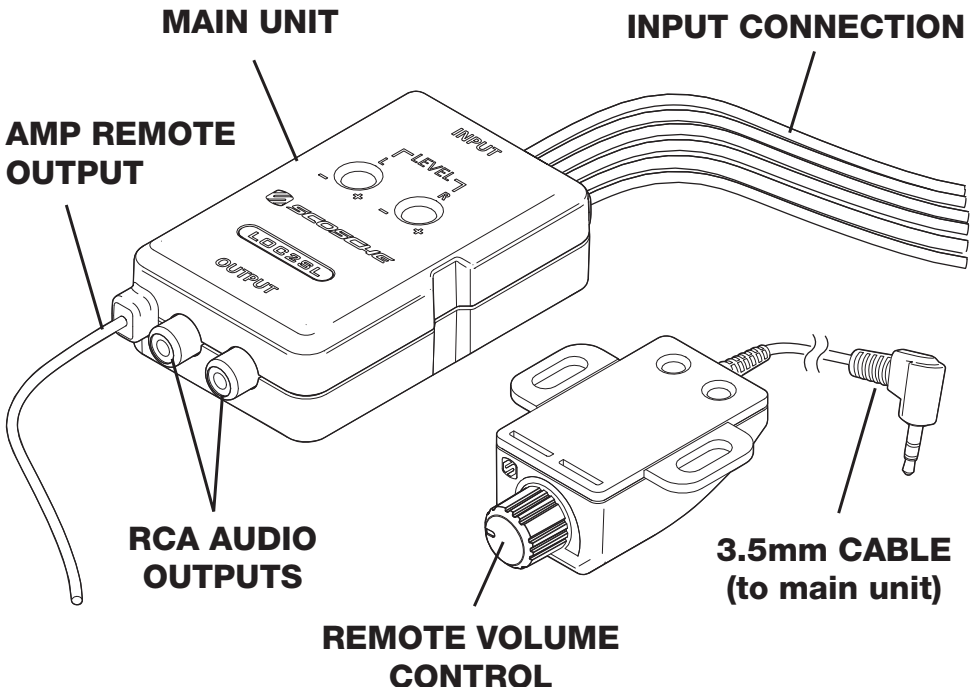
RECOMMENDED TOOLS (not included)

TESTING/DIAGNOSIS: Digital volt/ohm meter or electronics-safe volt probe

WIRE SPLICE/CONNECTIONS: Wire crimper/strippers, soldering iron/heat shrink or buttsplice crimp connectors, cable ties

SPECIALTY: Vehicle panel popper, trim removal tools, wire/cable fishing puller tool

LOC2SL OVERVIEW



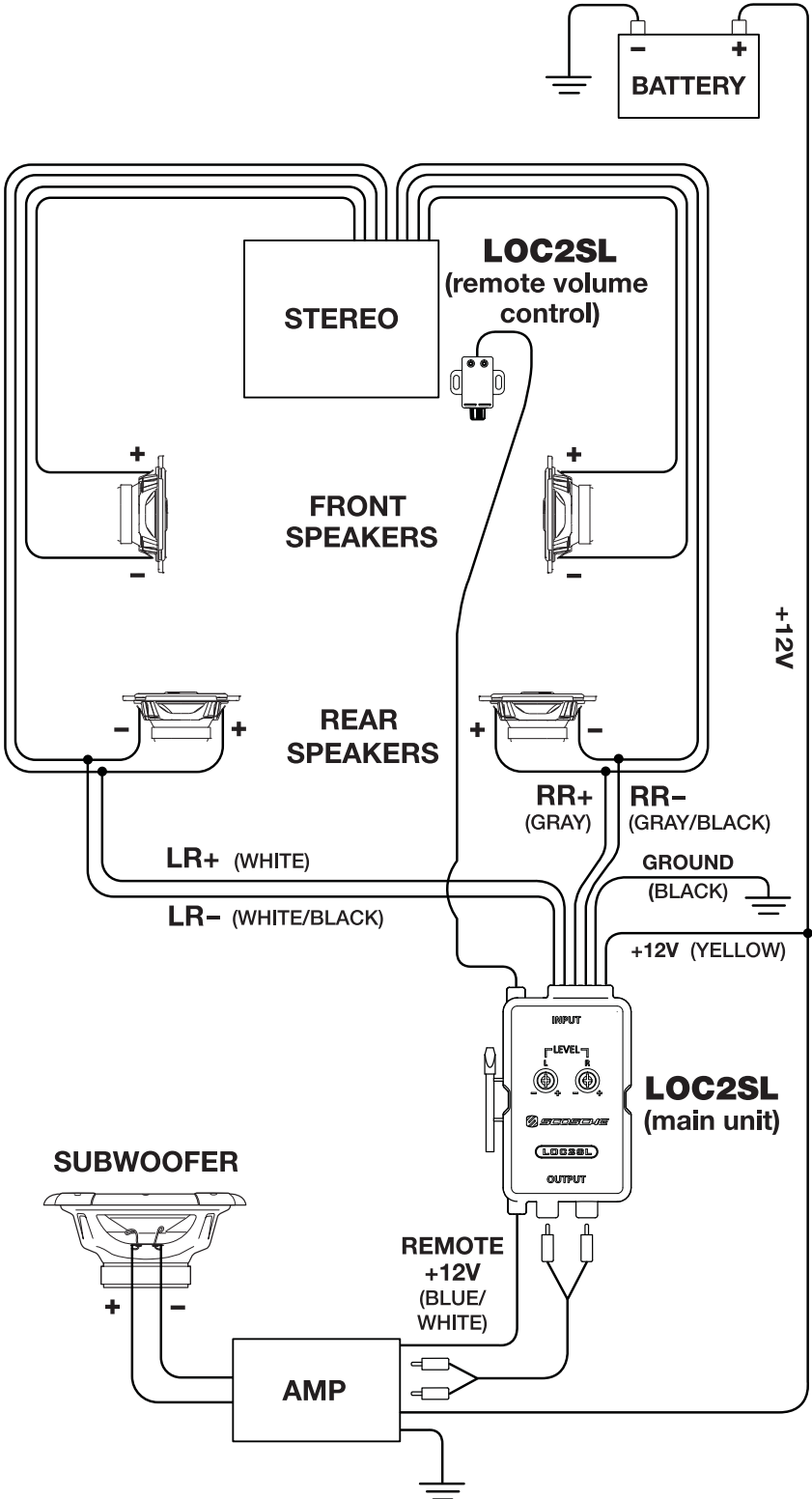
WIRING INSTRUCTIONS

TIPS: For easier installation, connections can be made at the rear speakers in many vehicles without the need to remove the stereo! The **LOC2SL** adapter module will output a +12V remote output on the Blue/White wire when signal is detected from the car stereo's speaker wires. Wire colors on the **LOC2SL** may differ from the wiring codes found on your car stereo/vehicle.

1. Connect the black wire to chassis ground (vehicle metal).
2. Connect the yellow wire to a +12V constant (continuous) power source. **TIP:** If amplifier is installed nearby, tap the yellow wire from the **LOC2SL** into the amplifier's +12V battery terminal or wire.
3. Connect the left speaker's +/- input wires to the white and white black input wires of the **LOC2SL**. This can be performed at the vehicle's speaker location or behind the stereo itself.
4. Connect the right speaker's +/- input wires to the gray and gray/black input wires of the **LOC2SL**. This can be performed at the vehicle's speaker location or behind the stereo itself.
5. Connect the blue/white wire to the amplifier's "remote turn-on" or "REM" input. Always refer to your amplifier's owner's manual for wiring details/functions of your particular amplifier.
6. Connect the RCA audio outputs of the **LOC2SL** to the amplifier's inputs (RED = right channel, WHITE = left channel)

NOTE: Some mono (monaural) sub amplifiers may have only a single RCA input. You can choose either the left or right signal from the **LOC2SL**, but it is advisable to use a y-adapter to combine together for maximum signal level.

WIRING DIAGRAM



WIRING COLOR CODES

NOTE: The wire colors on the **LOC2SL** may differ from the wiring colors found on the car stereo / in vehicle. Always refer to the stereo owner's manual for wiring details/functions for your particular car stereo. The wire color codes used on the **LOC2SL** conform to the standards set by the E.I.A. (Electronics Industry Association).

White = Left front positive input (LF+)

White/black = Left front negative input (LF-)

Gray = Right front positive input (RF+)

Gray/black = Right front negative input (RF-)

Yellow = +12 volt power input
(constant battery power)

Black = Chassis ground (vehicle metal)

Blue/white = +12V remote output (amp turn-on)

REMOTE SUB/VOLUME CONTROL

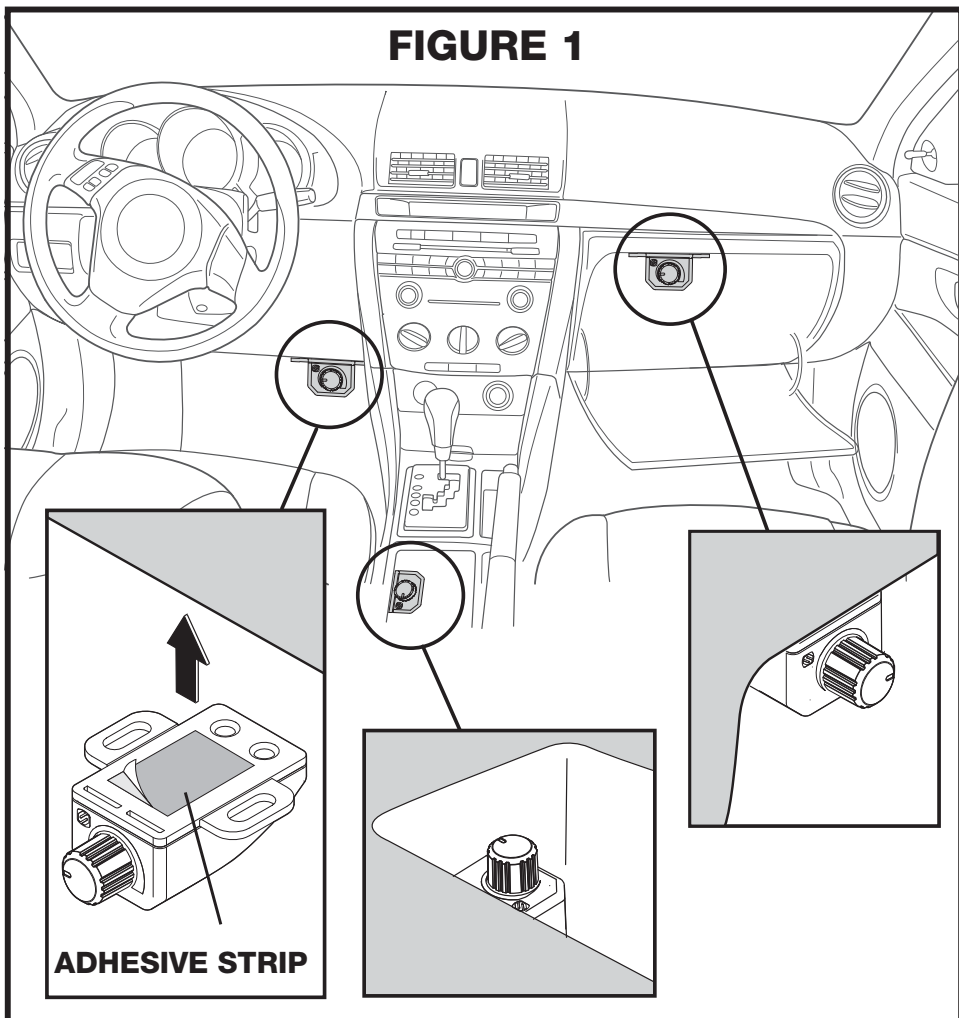
The **LOC2SL** includes an optional remote-mount volume control to attenuate/control the new AMP/SUB system level. Choose a location accessible to the driver, passenger or both. See Figure 1 on page 6 for suggested locations.

TIP: Check for obstructions at the chosen location before mounting/routing the volume control.

Recommended: Use the included adhesive strip for non-permanent mounting. **Optional:** For permanent mounting, use (2) small ¼" screws (not included).

REMOTE SUB/VOLUME CONTROL

FIGURE 1



1. Choose the desired location for the remote volume control (Figure 1).
2. Route the control cable from the selected location to the **LOC2SL** main unit.
3. Plug the male 3.5mm control wire into the female 3.5mm input of the **LOC2SL** module.
4. Peel the backing strip from one side of the adhesive and attach to the remote volume control case. When ready to mount, peel away the remaining strip and press the unit to the mounting surface.

Optional: For additional support use 2 small screws (screws not included).

ADJUSTING THE OUTPUT LEVEL

NOTES:

The **LOC2SL** gain controls are sensitive, a slight adjustment can change the volume dramatically. The adjustment pots rotate one complete turn, do not over-turn or use too much pressure.

Adjust gains with caution.

Too much volume or distortion can damage your hearing and the audio equipment.

1. Carefully break away the screwdriver tool from the side of the **LOC2SL** case (Figure 2).
2. If using the remote volume control, ensure that it is connected to the main unit with its knob turned all the UP (Figure 3).
3. Use the included tool at the **LOC2SL** module and turn both gain controls all the way down (counterclockwise until they stop - Figure 4).
4. Turn stereo on and adjust volume up to $\frac{3}{4}$ (or just above loudest listening level)
5. Carefully turn up the left and right gain controls (turn clockwise) on the **LOC2SL** until the sound is as loud as will ever need to be or near distortion (when sound becomes garbled, unclear, or breaks up).
6. Turn back each gain level very slightly from step #5 and then immediately turn down stereo volume.
7. If you hear a “hum” or excessive “hiss” sound between songs then the gain levels may still be adjusted too high.

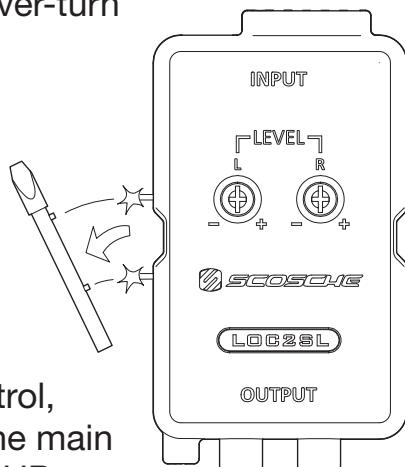


FIGURE 2

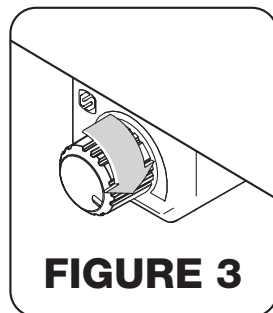


FIGURE 3

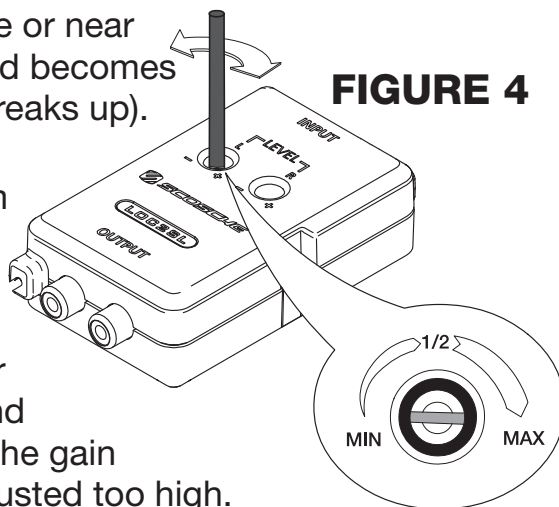


FIGURE 4

TROUBLESHOOTING

NO SOUND:

- Check and verify all electrical and signal connections.
 - Speaker wire connections to **LOC2SL** input
 - Audio RCA cable connections from **LOC2SL** output to amplifier.
 - Check that amplifier is turning on when stereo is on.
 - Verify remote turn-on output (blue/white wire) from **LOC2SL** is connected to amplifier
 - Verify that **LOC2SL** is receiving +12V on yellow wire and black wire is connected to chassis ground.
- Note:** If all of the above conditions are met, it may be necessary to connect the amplifier's remote turn-on terminal/wire directly to the car stereo or ignition.
- Check gain adjustment levels on **LOC2SL**
 - (If using remote volume control) check that the knob is not turned all the way down.