



Scosche LOC2SL AMPLIFIER ADAPTER User Manual

[Home](#) » [Scosche](#) » Scosche LOC2SL AMPLIFIER ADAPTER User Manual 

Contents

- [1 Scosche LOC2SL AMPLIFIER ADAPTER User Manual](#)
- [2 INTRODUCTION](#)
- [3 PRELIMINARY](#)
- [4 LOC2SL OVERVIEW](#)
- [5 WIRING DIAGRAM](#)
- [6 REMOTE SUB/VOLUME CONTROL](#)
- [7 TROUBLESHOOTING](#)
- [8 Related Posts](#)



Scosche LOC2SL AMPLIFIER ADAPTER User Manual



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 the subwoofer amplifier level from up front in the vehicle.



PRELIMINARY

BEFORE BEGINNING

READ THESE INSTRUCTIONS!

CAUTION

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

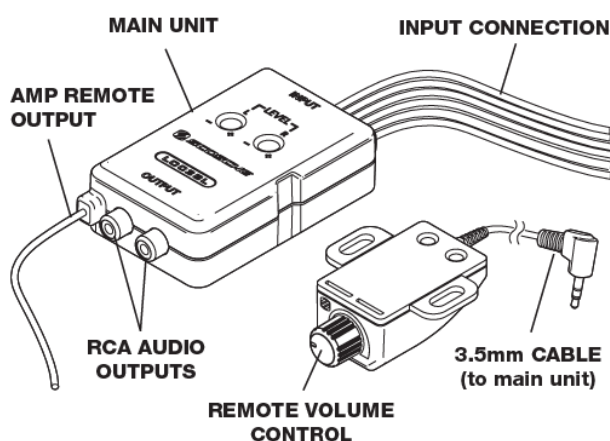
RECOMMENDED TOOLS (not included)

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

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

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

LOC2SL OVERVIEW



WIRING INSTRUCTIONS

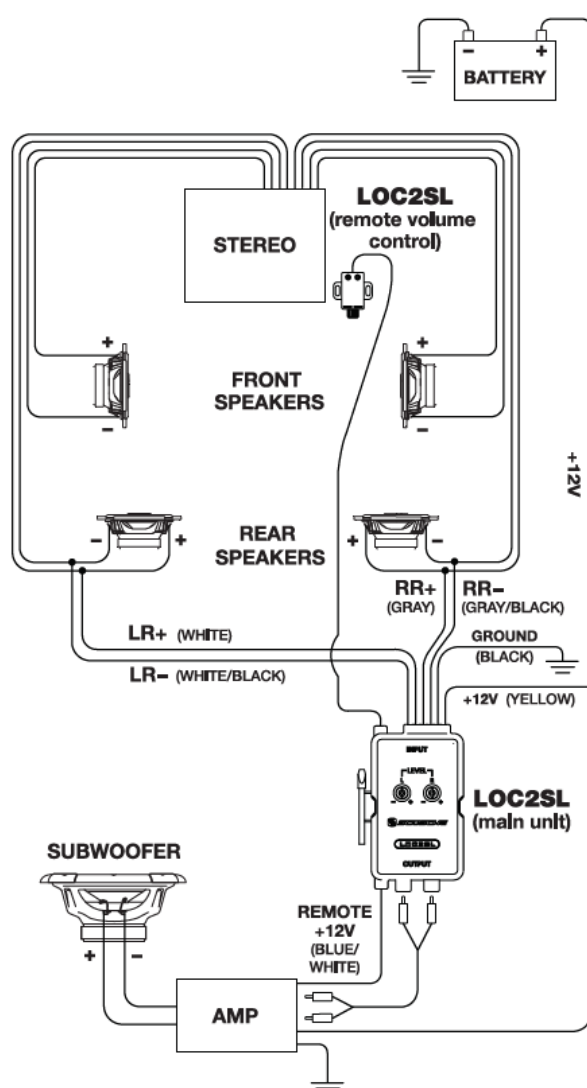
TIPS: For easier installation, connections can be made at the rear speakers in many vehicles without the need to remove the stereo! The LOC2SL adapter module will output a +12V remote output on the Blue/White wire when the signal is detected from the car stereo's speaker wires. Wire colors on the LOC2SL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

1. Connect the black wire to the chassis ground (vehicle metal).
2. Connect the yellow wire to a +12V constant (continuous) power source. TIP: If the 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 the 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+)

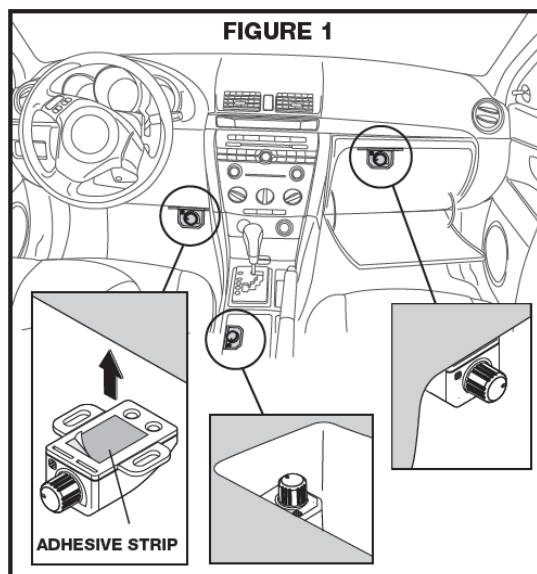
- White/black = Left front negative input (LF-) Gray = Right front positive input (RF+)
- Gray/black = Right front negative input (RF-) Yellow = +12 volt power input (constant battery power)
- Black = Chassis ground (vehicle metal)
- Blue/white = +12V remote output (amp turn-on)

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 1/4" screws (not included).

REMOTE SUB/VOLUME CONTROL



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).

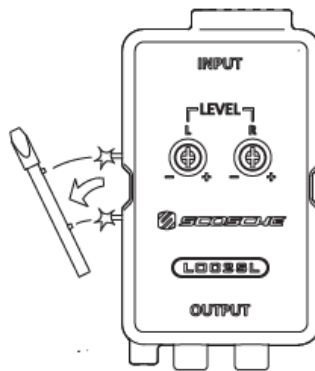


FIGURE 2

2. If using the remote volume control, ensure that it is connected to the main unit with its knob turned all UP (Figure 3).

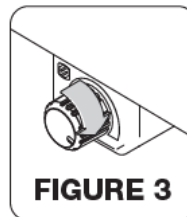


FIGURE 3

3. Use the included tool at the LOC2SL module and turn both gain controls all the way down (counterclockwise until they stop – Figure 4).

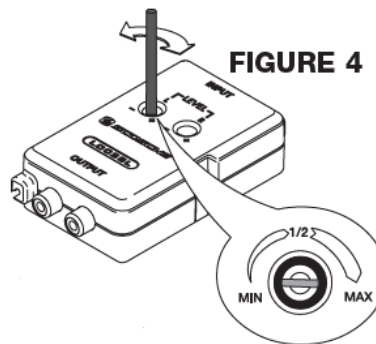


FIGURE 4

4. Turn the stereo on and adjust the volume up to $\frac{3}{4}$ (or just above the 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 the stereo volume.
7. If you hear a “hum” or excessive “hiss” sound between songs then the gain levels may still be adjusted too high.

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 the amplifier.
- Check that amplifier is turning on when the stereo is on.
 - Verify remote turn-on output (blue/white wire) from LOC2SL is connected to the amplifier
 - Verify that LOC2SL is receiving +12V on the yellow wire and the black wire is connected to the 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 the remote volume control) check that the knob is not turned all the way down.
- If still no sound call tech support at 1-800-363-4490 x1.

For complete warranty details, please visit us at www.scosche.com or call (800) 363-4490

Download PDF: [Scosche LOC2SL AMPLIFIER ADAPTER User Manual](#)

Manuals+