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› Scosche LOC2SL Line Output Converter User Manual

## Scosche LOC2SL

# Scosche LOC2SL Line Output Converter User Manual

Model: LOC2SL

## INTRODUCTION

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The Scosche LOC2SL Line Output Converter is designed to seamlessly integrate aftermarket amplifiers with your vehicle's factory stereo system. It converts high-level speaker outputs to low-level RCA signals, enabling the addition of an amplifier or subwoofer for enhanced audio performance without replacing the entire head unit. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your device.

## WHAT'S IN THE BOX

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- Scosche LOC2SL Line Output Converter Unit
- Remote Bass Control Knob with Cable
- Level Adjustment Tool

## SETUP AND INSTALLATION

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Proper installation is crucial for the performance of your LOC2SL. Please follow these steps carefully. It is recommended to disconnect the vehicle's battery before beginning installation.



Figure 1: Scosche LOC2SL Line Output Converter and Remote Control Knob.

# AMPLIFIER ADD-ON ADAPTER

FOR ADDING AMP/SUBWOOFER SYSTEMS TO ANY CAR STEREO

**Works with Aftermarket Amplifiers!**

HANDLES UP TO 80 WATTS OF INPUT PER CHANNEL



EASY TO  
INSTALL



PRECISION  
DESIGNED



COMPLETE  
YOUR INSTALL

AMP WIRING KIT

AUDIO CABLE

SPEAKER WIRE

TOOL KIT | TK12-WP1

TERMINAL KIT | ITK-WP1

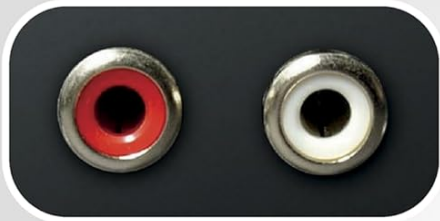
Parts sold separately

Figure 2: The LOC2SL is designed as an amplifier add-on adapter, handling up to 80 watts of input per channel. It is easy to install and precision-designed.

# AMPLIFIER ADD-ON ADAPTER

FOR ADDING AMP/SUBWOOFER SYSTEMS TO ANY CAR STEREO

**CONVERTS SPEAKER  
OUTPUTS TO RCA OUTPUTS**



**INCLUDES BASS  
LEVEL CONTROL**



Mountable volume control  
for adjusting the subwoofer  
volume lever from the dash  
or other location.



Figure 3: The LOC2SL converts speaker outputs to RCA outputs and includes a mountable bass level control knob for convenient adjustment of subwoofer volume.

## AMPLIFIER ADD-ON ADAPTER

FOR ADDING AMP/SUBWOOFER SYSTEMS TO ANY CAR STEREO

The LOC2SL takes 2-channel speaker level inputs and converts them to low level (RCA) preamp level outputs. The LOC2SL also provides a signal sensing amplifier remote +12 Volt "turn on" output without removing the car stereo or accessing additional wiring.



Figure 4: The LOC2SL converts 2-channel speaker level inputs to low-level RCA preamp outputs. It features independent L/R channel level adjustments and includes a level adjustment tool.

# WIRING DIAGRAM

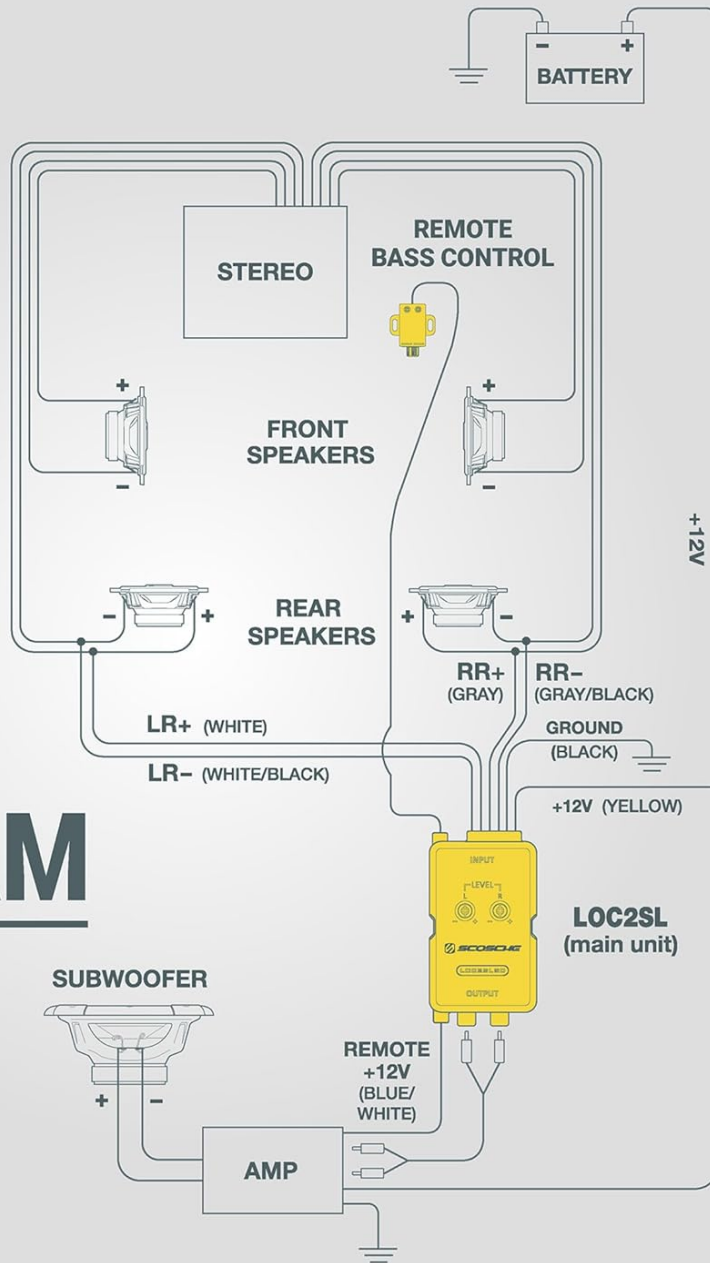


Figure 5: Detailed wiring diagram for connecting the LOC2SL to your car stereo, speakers, amplifier, and subwoofer, including power and remote turn-on connections.



Figure 6: Example of the LOC2SL installed in a vehicle, showing connections to an amplifier.

## Installation Steps:

1. **Locate Speaker Wires:** Identify the speaker wires from your factory stereo that you intend to use as input for the LOC2SL. These are typically found behind the stereo or at the factory amplifier location.
2. **Connect Input Wires:** Connect the high-level speaker wires from your factory stereo to the corresponding input wires on the LOC2SL. Ensure correct polarity (positive to positive, negative to negative) for each channel (Left and Right). The LOC2SL also provides a signal sensing 12V remote output for your amplifier.
3. **Connect RCA Outputs:** Connect the RCA output cables from the LOC2SL to the RCA input jacks on your aftermarket amplifier.
4. **Connect Remote Bass Knob:** Plug the remote bass control knob into the designated port on the LOC2SL unit. Route the cable to a convenient location in your vehicle, such as under the dash, for easy access.
5. **Power Connections:** Ensure your amplifier is properly powered according to its own manual, including main power, ground, and the remote turn-on wire from the LOC2SL.
6. **Secure the Unit:** Mount the LOC2SL unit in a secure, dry location, away from excessive heat or moisture.

## Installation Video Guide:

Video 1: Official SCOSCHE Car Stereo 2-Channel Adjustable Level Converter installation guide. This video demonstrates the setup and connection process for the LOC2SL, including level adjustments and remote knob installation.

## OPERATING INSTRUCTIONS

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Once installed, the LOC2SL requires minimal operation. The primary adjustments are for signal level and bass control.

- **Level Adjustment:** Use the included level adjustment tool to set the input sensitivity on the LOC2SL unit. There are independent adjustments for the Left (L) and Right (R) channels. Start with the levels at their minimum setting and slowly increase them until you achieve clear, undistorted audio from your amplifier. Avoid setting the levels too high, as this can introduce distortion.
- **Remote Bass Control:** The remote bass knob allows you to adjust the subwoofer output level conveniently from your driving position. Turn the knob clockwise to increase bass output and counter-clockwise to decrease it. Adjust to your preferred listening level.

## MAINTENANCE

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The Scosche LOC2SL is designed for durability and requires minimal maintenance.

- Keep the unit and connections clean and free from dust and debris.
- Ensure all wiring connections remain secure to prevent signal loss or interference.
- Avoid exposing the unit to extreme temperatures or moisture.

## TROUBLESHOOTING

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If you experience issues with your Scosche LOC2SL, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio output from amplifier/subwoofer.	<ul style="list-style-type: none"><li>• Incorrect wiring connections.</li><li>• No remote turn-on signal to amplifier.</li><li>• LOC2SL input levels too low.</li><li>• Amplifier not powered on.</li></ul>	<ul style="list-style-type: none"><li>• Verify all speaker input and RCA output connections.</li><li>• Check the 12V remote output from LOC2SL to amplifier.</li><li>• Increase the input levels on the LOC2SL.</li><li>• Ensure amplifier has power and is turned on.</li></ul>
Distorted or poor sound quality.	<ul style="list-style-type: none"><li>• Input levels on LOC2SL set too high.</li><li>• Poor ground connection.</li><li>• Damaged speaker wires or RCA cables.</li></ul>	<ul style="list-style-type: none"><li>• Decrease the input levels on the LOC2SL.</li><li>• Ensure a clean, secure ground connection for the amplifier.</li><li>• Inspect all cables for damage and replace if necessary.</li></ul>

Problem	Possible Cause	Solution
Remote bass knob not working.	<ul style="list-style-type: none"><li>• Knob cable not fully plugged in.</li><li>• Damaged knob or cable.</li></ul>	<ul style="list-style-type: none"><li>• Check the connection of the remote knob cable to the LOC2SL.</li><li>• Inspect the knob and cable for physical damage.</li></ul>

If the problem persists after trying these solutions, please contact Scosche customer support.

## SPECIFICATIONS

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Feature	Detail
Model Number	LOC2SL
Product Dimensions	2.13 x 6.63 x 13.25 inches; 6.4 ounces
Voltage	12 Volts
Maximum Supply Voltage	12 Volts (DC)
Mounting Type	Surface Mount
Channels	2-Channel (High/Low RCA)
Input Wattage (Max)	80 Watts per channel

## WARRANTY AND SUPPORT

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The Scosche LOC2SL is backed by Scosche's Lifetime Tech Support and Limited Warranty. For detailed warranty information or technical assistance, please visit the official Scosche website or contact their customer support directly.

**Scosche Website:** [www.scosche.com](http://www.scosche.com)