

KICKER 49L7X122

KICKER SoloX L7X 12-Inch Competition Subwoofer User Manual

Model: 49L7X122

INTRODUCTION

Thank you for choosing the KICKER SoloX L7X 12-Inch Competition Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. To ensure optimal performance and longevity, please read this manual thoroughly before attempting installation or use. The SoloX L7X is engineered for groundbreaking bass performance, featuring a robust design and advanced cooling technology, making it suitable for high-level competition audio systems.

SAFETY INFORMATION

WARNING:

- Always disconnect the vehicle's battery before installing or servicing any audio components to prevent electrical shock or damage.
- Ensure all wiring is properly insulated and secured to prevent short circuits and potential fire hazards.
- Avoid installing the subwoofer in locations where it may obstruct vehicle operation or safety devices.
- Prolonged exposure to sound pressure levels over 100dB can cause permanent hearing loss. Use caution when operating at high volumes.
- Consult a professional installer if you are unsure about any aspect of the installation process.

PACKAGE CONTENTS

Verify that all items are present in the package:

- KICKER SoloX L7X 12-Inch Competition Subwoofer (Model: 49L7X122)

- Instruction Manual (this document)

KEY FEATURES

The KICKER SoloX L7X 12-Inch Subwoofer incorporates several advanced features for superior performance:

- **Triple-Stacked Ferrite Magnet:** Provides an enormous and linear magnetic field for powerful, deep bass reproduction.
- **Hyper-Extended Pole Piece:** Enhances magnetic field linearity, contributing to precise and impactful low-frequency output.
- **Forced Air Cooling Technology:** Actively dissipates heat, ensuring stable performance and durability even under extreme conditions.
- **Heavy-Duty UV-Resistant Santoprene Surround:** Designed for durability and long-term performance in various environments.
- **Double-Pressed Pulp Cone:** Offers rigidity and lightweight properties for accurate sound reproduction.
- **Cast-Aluminum Basket:** Provides a robust and stable foundation for the subwoofer's components.
- **Field-Replaceable Recone Kit:** Allows for easy repair and maintenance without professional assistance.
- **Exclusive Surround Compression System:** Ensures optimal cone movement and durability.
- **Bolt-On Spider Landing and Alignment Shims:** Facilitate precise assembly and maintenance.
- **Flexible Wiring Options:** Features a single 8 AWG terminal and a dual 8 AWG terminal block for versatile installation.



Image: Front view of the KICKER SoloX L7X 12-Inch Competition Subwoofer, showcasing its square cone and robust surround.



Image: Angled view of the KICKER SoloX L7X 12-Inch Subwoofer, highlighting its deep basket and cooling fins.



Image: Side profile of the KICKER SoloX L7X 12-Inch Subwoofer, showing the depth of the motor structure and the cooling design.



Image: Close-up view of the heavy-duty UV-resistant Santoprene surround, demonstrating its robust construction.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your SoloX L7X subwoofer. It is recommended to have this subwoofer installed by a qualified professional.

Enclosure Requirements

The SoloX L7X is designed for use in custom-built enclosures. Refer to KICKER's official documentation or website for recommended enclosure volumes and port tuning frequencies for optimal performance. An improperly sized or constructed enclosure can severely limit the subwoofer's performance and potentially cause damage.

Wiring Connections

The SoloX L7X features a single 8 AWG terminal and a dual 8 AWG terminal block, allowing for flexible wiring configurations (e.g., series or parallel) to achieve the desired impedance for your amplifier. Ensure all connections are secure and properly insulated.

- **Power Wiring:** Use appropriate gauge power and ground wires for your amplifier's power output. Ensure the ground connection is made to a clean, unpainted metal surface of the vehicle chassis.
- **Speaker Wiring:** Connect the subwoofer terminals to your amplifier's speaker outputs. Pay close attention to polarity (+ to + and - to -) to ensure proper phase and sound quality.



Image: Rear angled view of the KICKER SoloX L7X Subwoofer, illustrating the single and dual 8 AWG terminal blocks for wiring flexibility.



Image: Side view of the KICKER SoloX L7X Subwoofer, providing a closer look at the robust terminal connections.

Amplifier Matching

Select an amplifier that can provide sufficient power within the subwoofer's RMS power handling capabilities. Overpowering or underpowering the subwoofer can lead to damage. Match the amplifier's output impedance to the subwoofer's impedance for optimal power transfer and efficiency.

OPERATING INSTRUCTIONS

Once installed, the SoloX L7X subwoofer requires proper tuning for optimal sound quality and longevity.

- **Break-in Period:** Allow a break-in period of several hours of moderate use before operating the subwoofer at high volumes. This allows the suspension components to loosen and perform optimally.
- **Gain Setting:** Set the amplifier's gain control carefully. Do not use the gain control as a volume knob. It should be set to match the output voltage of your head unit. Refer to your amplifier's manual for proper gain setting procedures.
- **Crossover Settings:** Use a low-pass filter (LPF) on your amplifier or head unit to send only low frequencies to the subwoofer. A typical crossover point for subwoofers is between 60Hz and 100Hz.
- **Subsonic Filter:** If your amplifier has a subsonic filter, enable it and set it slightly below your enclosure's tuning frequency to protect the subwoofer from over-excitation at very low frequencies.

- **Bass Boost:** Use bass boost sparingly, if at all. Excessive bass boost can lead to distortion and damage the subwoofer.

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Video: An official KICKER video showcasing the SoloX L7X High Performance Subwoofer, detailing its features and design.

This video provides a visual overview of the product's capabilities and construction.

MAINTENANCE

The KICKER SoloX L7X is built for durability, but regular maintenance can extend its lifespan and ensure consistent performance.

- **Cleaning:** Keep the subwoofer cone and surround free of dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or solvents.
- **Inspection:** Periodically inspect the surround and cone for any signs of damage, tears, or fatigue. Check all wiring connections for tightness and corrosion.
- **Field-Replaceable Recone Kit:** The SoloX L7X features a field-replaceable recone kit. If the cone or voice coil assembly becomes damaged, you can replace these components without needing to replace the entire subwoofer. Follow the instructions provided with the recone kit for proper installation. This process involves the exclusive surround compression system, bolt-on spider landing, and alignment shims.

TROUBLESHOOTING

If you experience issues with your SoloX L7X subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Subwoofer	<ul style="list-style-type: none">◦ No power to amplifier◦ Loose or incorrect wiring◦ Amplifier in protect mode◦ Head unit settings	<ul style="list-style-type: none">◦ Check power, ground, and remote turn-on connections to amplifier.◦ Verify all speaker and RCA connections are secure and correct.◦ Check amplifier fuses. Disconnect power, wait, and reconnect.◦ Ensure subwoofer output is enabled and volume is up on head unit.

Problem	Possible Cause	Solution
Distorted Sound	<ul style="list-style-type: none"> Amplifier gain set too high Crossover settings incorrect Damaged subwoofer cone or voice coil 	<ul style="list-style-type: none"> Reduce amplifier gain. Adjust LPF and subsonic filter settings. Inspect subwoofer for physical damage. Consider recone kit if necessary.
Weak Bass Output	<ul style="list-style-type: none"> Incorrect enclosure volume Subwoofer wired out of phase Insufficient amplifier power 	<ul style="list-style-type: none"> Verify enclosure matches KICKER's recommendations. Check speaker wire polarity. Ensure amplifier is adequately powered and matched to subwoofer impedance.

SPECIFICATIONS

Attribute	Detail
Model Number	49L7X122
Item Weight	52.9 pounds
Manufacturer	Kicker
ASIN	B08NF9PDLV
First Available Date	November 13, 2020
Coil	3-inch
Magnet Type	Ferrite (Triple-Stacked)
Impedance	2-Ohm

WARRANTY AND SUPPORT

KICKER products are designed and manufactured to the highest standards. For specific warranty information, please refer to the warranty card included with your product or visit the official KICKER website. Keep your

purchase receipt as proof of purchase for warranty claims.

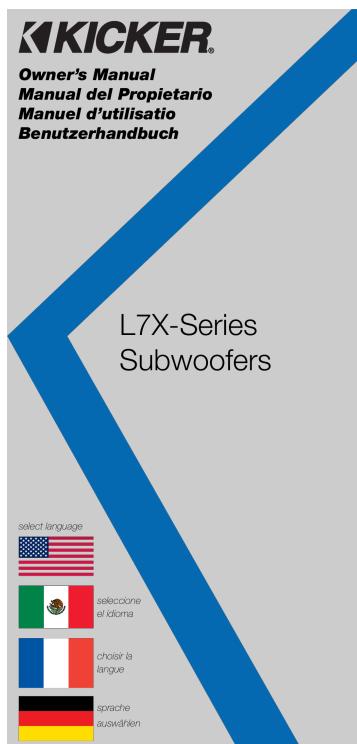
For technical support, troubleshooting assistance, or to inquire about replacement parts (such as the recone kit), please contact KICKER customer service or visit their official support channels. You can often find detailed FAQs, product manuals, and contact information on the KICKER website.

[Visit KICKER Official Website](#)

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This manual is subject to change without notice.

Documents - KICKER – 49L7X122



[\[pdf\]](#) User Manual Owner's Manual Specifications Warranty

20649L7122 Kicker 49L7X122 12 Dual 2 ohm Component Subwoofer CRUTCHFIELD COM

HNEWBERRY owner s manual L7X Series dual voice coil component subwoofer at Crutchfield
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Owner's Manual
Manual del Propietario
Manuel d'utilisation
Benutzerhandbuch

L7X-Series Subwoofers

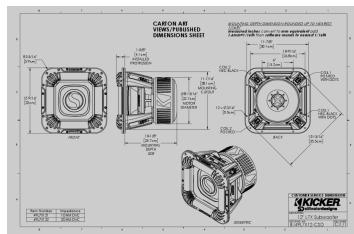


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Installation 5 Wirin...

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[\[pdf\]](#) Dimension Guide



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VIEWS/PUBLISHED DIMEN ... COIL 2 POS RED BACK 13-15/16 35.5cm B
CUSTOMER SERVICE DIMENSIONS A A Item Number 49L7X121 **49L7X122**
Impedance 1OHM DVC 2OHM DVC ISOMETRIC DESCRIPTION: 12 L7X Subwoofer
SIZE DWG. NO. B 4...

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