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KICKER 51LX30001

KICKER LX3000.1 Mono Class-D Subwoofer Amplifier User Manual

Model: 51LX30001

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KICKER LX3000.1 Mono Class-D Subwoofer Amplifier. Please read this manual thoroughly before attempting installation or operation to ensure proper use and to prevent damage to the unit or your vehicle.

The KICKER LX3000.1 is a high-efficiency Class-D amplifier designed to deliver powerful and clear bass output for your car audio system. It features advanced controls for precise sound customization and includes a remote for convenient bass level adjustment.

SAFETY INFORMATION

- Always disconnect the vehicle's battery negative terminal before installing or servicing any audio components.
- Ensure all wiring is properly routed and secured to prevent damage from moving parts or sharp edges.
- Use appropriate gauge power and ground wires as specified in the installation section to prevent overheating and potential fire hazards.
- Do not operate the amplifier in wet or damp conditions.
- Avoid mounting the amplifier in locations where it may be exposed to direct sunlight or excessive heat.
- Seek professional installation if you are unsure about any part of the process.

PACKAGE CONTENTS

Verify that your package contains the following items:

- KICKER LX3000.1 Mono Class-D Subwoofer Amplifier (Model 51LX30001)
- LX Remote Control (LXRC)
- Mounting Hardware
- User Manual (this document)

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. Refer to the following guidelines for setting up your amplifier.

Mounting the Amplifier

Choose a mounting location that is dry, well-ventilated, and protected from direct sunlight. Ensure there is sufficient space around the amplifier for proper cooling. Secure the amplifier firmly using the provided mounting hardware.



Image: Top view of the KICKER LX3000.1 amplifier, showing its compact design.



Image: Angled view of the KICKER LX3000.1 amplifier, highlighting the KICKER logo and model number.

Wiring Connections

All power, ground, and remote turn-on connections should be made with appropriate gauge wiring. Refer to the diagram below for typical wiring connections.



Image: Rear panel of the KICKER LX3000.1 amplifier, showing power, ground, remote, input, output, and control connections.

- **Power (+12V):** Connect to the positive terminal of the vehicle's battery using a fuse or circuit breaker within 18 inches of the battery.
- **Ground (GND):** Connect to a clean, solid metal point on the vehicle's chassis, ensuring good electrical contact.
- **Remote Turn-On (REM):** Connect to the remote turn-on lead from your head unit.
- **Input:** Connect RCA cables from your head unit's subwoofer output to the amplifier's input. The amplifier also supports high-level input via the speaker-level input terminals.
- **Speaker Output:** Connect your subwoofer(s) to the speaker output terminals. Ensure correct polarity and impedance matching.

The amplifier features **FIT+ technology** to eliminate unwanted noise and interference, ensuring a clean audio signal.



Image: Close-up of the amplifier's input section, highlighting the FIT+ technology logo and high-level input terminals.

The amplifier also includes a reversible center panel and 11 RGB LED accent colors for aesthetic customization. Refer to the full manual for instructions on changing LED colors.



Image: KICKER LX3000.1 amplifier with the top panel removed, revealing internal controls and customization options.

OPERATING AND ADJUSTMENTS

The LX3000.1 amplifier offers various controls to fine-tune your bass output.

LX Remote Control (LXRC)

The included LXRC provides convenient fingertip control over your bass level. It also features real-time battery voltage monitoring and **SHOCwave2.0 digital bass restoration** for enhanced low-frequency response.



Image: The KICKER LX Remote Control (LXRC) with illuminated indicators for bass level and clipping.

KickEQ+ Parametric Bass Boost

Customize your sound with the KickEQ+ parametric bass boost. This feature allows you to adjust the gain (0–6dB), center frequency, and bandwidth to achieve your desired bass characteristics.



Image: Close-up of the Bass Boost control knob on the amplifier.

Crossover and Subsonic Filter

The amplifier includes a fully adjustable 24dB/octave electronic crossover and a subsonic filter. These controls help you optimize the frequency response for your subwoofer(s) and protect them from damaging ultra-low frequencies.



Image: Angled view of the KICKER LX3000.1 amplifier, showing the various control knobs and switches for tuning.

High-Efficiency Class-D Technology

The Class-D design ensures maximum efficiency, allowing the amplifier to run cooler and draw less power, which contributes to extended play times without compromising performance.

MAINTENANCE

To ensure the longevity and optimal performance of your KICKER LX3000.1 amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the amplifier's exterior. Avoid using harsh chemicals or

abrasive cleaners.

- **Ventilation:** Ensure that the amplifier's cooling fins are free from dust and debris to maintain proper airflow.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

TROUBLESHOOTING

If you experience issues with your amplifier, consult the following common troubleshooting steps:

- **No Power:** Check the main fuse near the battery and the amplifier's internal fuse (if applicable). Verify all power, ground, and remote turn-on connections are secure.
- **No Sound:** Ensure RCA cables are properly connected and not damaged. Check speaker wiring for correct polarity and secure connections. Verify head unit output is active.
- **Distorted Sound:** Reduce the gain setting on the amplifier. Check for proper impedance matching with your subwoofer(s). Ensure the input signal from the head unit is not clipping. The LXRC's clip indicator can help identify this.
- **Amplifier Overheating:** Ensure adequate ventilation around the amplifier. Check speaker impedance to ensure it's within the amplifier's specified range.

If problems persist after following these steps, contact KICKER customer support or your authorized KICKER dealer.

SPECIFICATIONS

Feature	Specification
Model	51LX30001
RMS Power @ 1Ω	3000W
RMS Power @ 2Ω	2000W
RMS Power @ 4Ω	1100W
Amplifier Class	Class-D
Product Dimensions	15 x 22 x 10 inches
Item Weight	13.27 pounds
Crossover	Adjustable 24dB/octave electronic crossover

Subsonic Filter	Adjustable
Bass Boost	KickEQ+ parametric (0–6dB gain, adjustable center frequency, bandwidth)
Special Features	FIT+ technology, SHOCwave2.0 digital bass restoration, LX Remote Control (LXRC) with battery voltage monitoring and clip indicator, reversible center panel, 11 RGB LED accent colors.

WARRANTY AND SUPPORT

KICKER products are designed and engineered to provide years of reliable performance. This product is covered by a limited warranty against defects in materials and workmanship under normal use. The specific warranty period may vary by region and product type. Please refer to the warranty card included with your product or visit the official KICKER website for detailed warranty information.

For technical support, troubleshooting assistance, or warranty claims, please contact your authorized KICKER dealer or KICKER customer service directly. You can find contact information on the official KICKER website or through the provided documentation.

Online Resources:

- [KICKER Official Website](#)
- [KICKER Amazon Store](#)

PRODUCT VIDEO

Watch this video for an overview of the KICKER LX series amplifiers.

Your browser does not support the video tag.

Video: An official product video providing a general overview of the KICKER LX series amplifiers, demonstrating features and design.