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## KICKER 46KISLOC2

# Kicker 46KISLOC2 K-Series Stereo Line-Output Converter User Manual

Model: 46KISLOC2

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Kicker 46KISLOC2 K-Series Stereo Line-Output Converter. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

The Kicker 46KISLOC2 is designed to integrate aftermarket amplifiers with factory car audio systems by converting speaker-level signals into high-quality RCA line-level signals. It also provides a remote turn-on output for amplifiers.

## KEY FEATURES

- Converts speaker-level signals to RCA line-level signals.
- Provides a powerful 100 milli-amp, 12-volt remote turn-on output using DC offset, eliminating the need for a separate switched 12V source.
- Accepts input signals up to 55 watts (16 volts).
- Delivers an output signal up to 8 volts.
- Maintains a flat 20Hz-20kHz frequency response at all volume levels.
- Compatible with standard radios and most smart radios (amplifier output of smart radio must have  $60\Omega$  impedance or lower).
- Features an LED indicator for DC offset turn-on.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Kicker 46KISLOC2 Line-Output Converter unit
- User Manual (this document)

## SAFETY INFORMATION

### WARNING:

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure proper wiring and connections to prevent short circuits or damage to the unit or vehicle's electrical system.
- Consult a professional car audio installer if you are unsure about any installation steps.
- Do not expose the unit to moisture or extreme temperatures.

## SETUP AND INSTALLATION

The KISLOC2 is designed for straightforward installation. Follow these steps carefully:

### Wiring Diagram

Refer to the diagram below for proper wiring connections. The KISLOC2 features input wires for speaker signals and output RCA jacks for line-level signals, plus a remote turn-on wire.



Image: Detailed wiring diagram for the Kicker 46KISLOC2, showing input wires (White: L+, White/BLK: L-, Grey: R+, Grey/BLK: R-, Black: Chassis Gnd) and output connections (Blue: 12V Remote out (100mA), RCAx2: Line level out). A red LED indicates DC offset turn-on activity.

## Connection Steps

1. **Identify Speaker Wires:** Locate the speaker wires from your factory radio or amplifier that you intend to use as input for the KISLOC2. Typically, these are the rear speaker wires for subwoofer applications or full-range speakers for multi-channel amplifier setups.
2. **Connect Input Wires:**
  - Connect the **White** wire to the Left (+) speaker wire.
  - Connect the **White/Black** wire to the Left (-) speaker wire.
  - Connect the **Grey** wire to the Right (+) speaker wire.
  - Connect the **Grey/Black** wire to the Right (-) speaker wire.
  - Connect the **Black** wire to a reliable chassis ground point in the vehicle.
3. **Connect RCA Outputs:** Plug your RCA cables from the KISLOC2's RCA output jacks into the RCA input jacks of your aftermarket amplifier.
4. **Connect Remote Turn-On:** Connect the **Blue** wire from the KISLOC2 to the remote turn-on input of your aftermarket amplifier(s). This wire provides a 12V signal to turn on the amplifier when the factory radio is active.
5. **Secure the Unit:** Mount the KISLOC2 in a secure, dry location away from excessive heat or moisture. Ensure wires are not pinched or exposed to sharp edges.

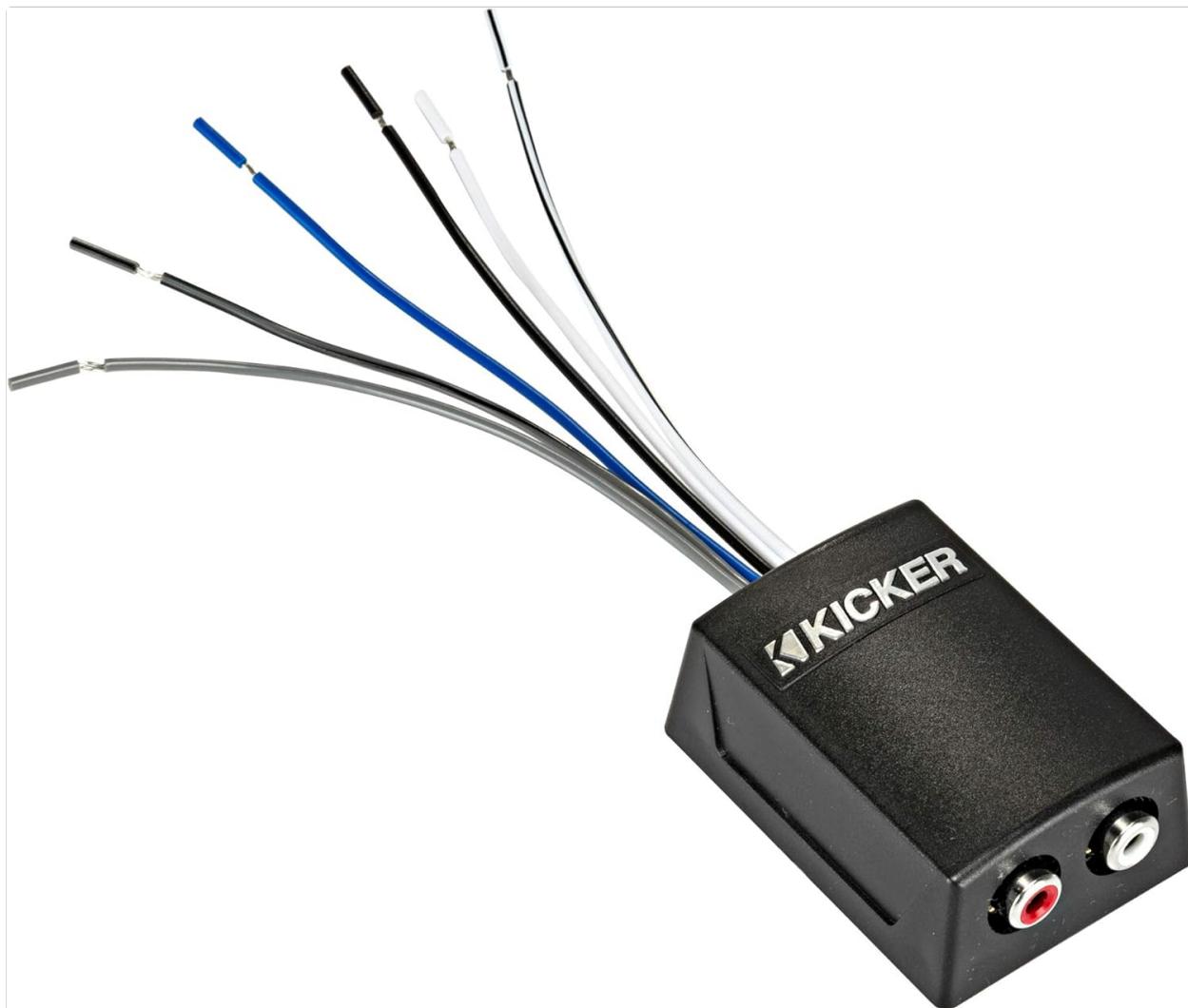


Image: Front view of the Kicker 46KISLOC2 Line-Output Converter, showing the main unit with multiple colored wires extending from one end and two RCA output jacks on the other end. The KICKER logo is visible on the top surface.

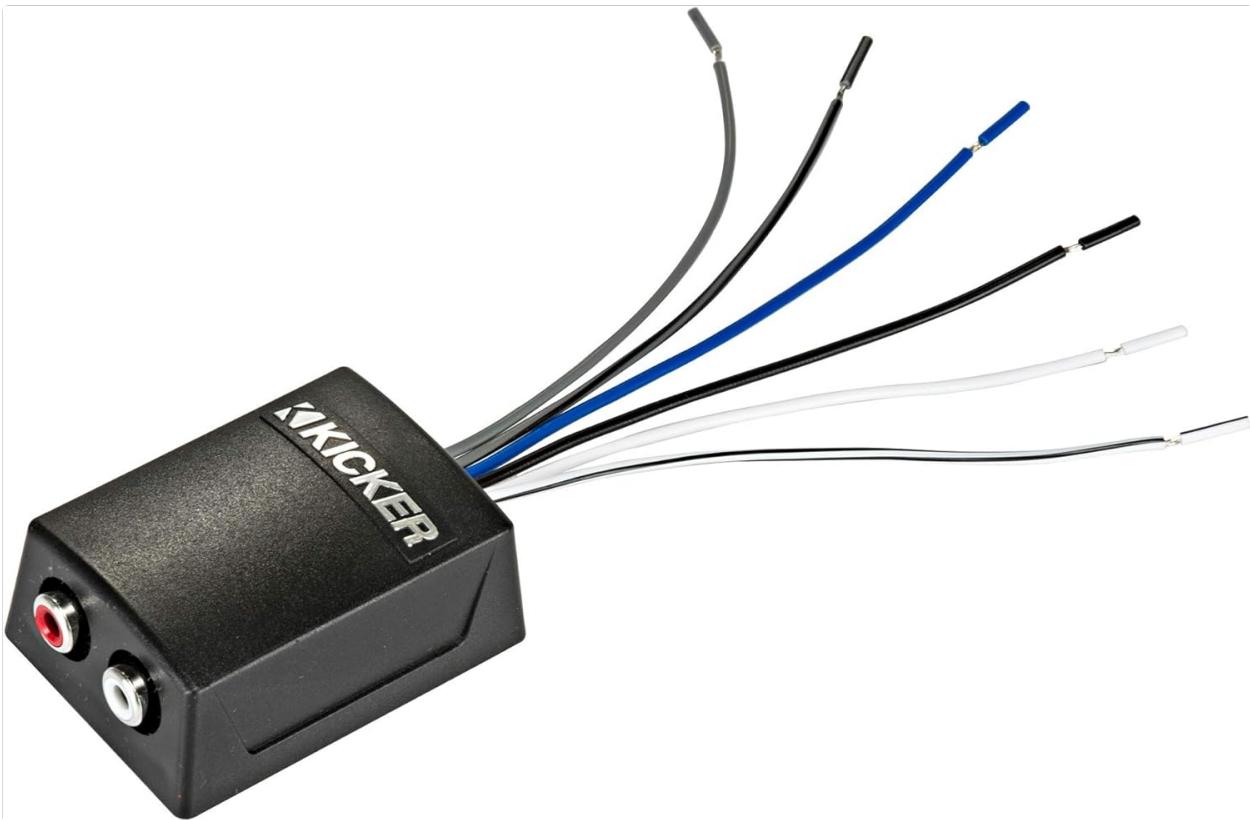


Image: Angled view of the Kicker 46KISLOC2 Line-Output Converter, showcasing the compact black housing, the array of input wires, and the dual RCA output ports. The KICKER branding is visible on the top surface.

## OPERATION

Once properly installed, the KISLOC2 operates automatically. It senses the audio signal from your factory radio and converts it to a line-level signal for your amplifier. The integrated DC offset detection activates the remote turn-on output.

- **Power On:** When your factory radio is turned on, the KISLOC2 will detect the DC offset in the speaker signal and activate its remote turn-on output (blue wire), signaling your amplifier to turn on. A red LED on the unit will illuminate to indicate active DC offset turn-on.
- **Audio Output:** The converted line-level audio signal will be sent through the RCA outputs to your amplifier.
- **Power Off:** When the factory radio is turned off, the KISLOC2 will cease to detect the DC offset, and the remote turn-on output will deactivate, turning off your amplifier.

## MAINTENANCE

The Kicker 46KISLOC2 is designed for maintenance-free operation. No user-serviceable parts are inside. To ensure longevity:

- Keep the unit clean and free from dust and debris.

- Ensure all wiring connections remain secure and free from corrosion.
- Avoid exposing the unit to extreme temperatures or direct sunlight.

## TROUBLESHOOTING

If you experience issues with your KISLOC2, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Amplifier does not turn on.	No signal from factory radio; faulty remote wire connection; factory radio not compatible with DC offset turn-on.	Ensure factory radio is on and playing audio. Check blue remote wire connection. Verify factory radio's amplifier output impedance is $60\Omega$ or lower. If not, a separate switched 12V source for the amplifier's remote input may be required.
No audio output from amplifier.	Incorrect speaker wire input connections; faulty RCA cables; amplifier settings incorrect.	Double-check all input speaker wire connections (polarity). Test RCA cables. Verify amplifier input settings (e.g., input sensitivity, gain).
Distorted audio.	Input signal too high; amplifier gain set too high.	Reduce the volume level of the factory radio. Adjust the gain settings on your aftermarket amplifier.
Unit gets hot or smokes.	Overload or short circuit.	<b>Immediately disconnect power. This indicates a serious issue. Do not re-connect power. Contact Kicker support or a qualified technician.</b>

## SPECIFICATIONS

Feature	Specification
Model	46KISLOC2
Input Channels	2 (Stereo)
Maximum Input Signal	55 Watts (16 Volts)
Output Voltage	Up to 8 Volts
Frequency Response	20Hz - 20kHz (Flat)
Remote Turn-On Output	100mA, 12V (DC Offset Activated)
Dimensions (L x W)	6" L x 5" W (approximate, unit body is compact)

Feature	Specification
Weight	2.82 ounces

## WARRANTY INFORMATION

Kicker products are warranted against defects in material and workmanship for a period of one (1) year from the date of original purchase. Please retain your sales receipt as proof of purchase. This warranty is valid only for the original purchaser and is not transferable.

The warranty does not cover damage due to improper installation, accident, misuse, abuse, negligence, normal wear and tear, or unauthorized modification. For full warranty terms and conditions, please refer to the official Kicker website or contact Kicker customer support.

## CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Kicker customer support:

- **Website:** [www.kicker.com](http://www.kicker.com)
- **Phone:** Refer to the Kicker website for regional contact numbers.
- **Email:** Refer to the Kicker website for support email addresses.

When contacting support, please have your product model number (46KISLOC2) and proof of purchase ready.

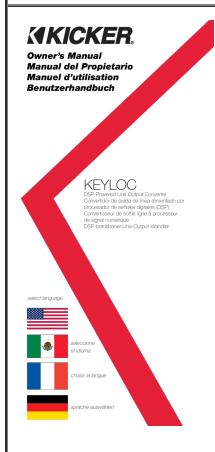
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## Related Documents - 46KISLOC2



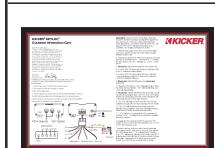
### [Kicker KEYLOC Owner's Manual: DSP-Powered Line Output Converter](#)

Comprehensive owner's manual for the Kicker KEYLOC, a 2-channel DSP-powered line output converter. Learn about installation, wiring, setup, features, and troubleshooting for optimizing your car audio system.



### [KICKER KEYLOC DSP-Powered Line Output Converter Owner's Manual](#)

This manual provides instructions for the KICKER KEYLOC, a DSP-powered line output converter designed to integrate aftermarket amplifiers with OEM audio systems. It covers installation, wiring, setup, and troubleshooting.



### [KICKER KEYLOC Customer Information Card & Setup Guide](#)

Learn how to install and set up your KICKER KEYLOC, a DSP-powered Line Out Converter designed to optimize your vehicle's audio signal for KICKER amplifiers and processors. Includes wiring diagrams and detailed operation instructions.



### [KICKER KMC4 Media Center Owner's Manual](#)

This document provides comprehensive installation, operation, and troubleshooting information for the KICKER KMC4 (46KMC4) Media Center, detailing specifications, features, connectivity options, and user controls.



### [KICKER KXMA1500.1 Mono Amplifier Owner's Manual](#)

Comprehensive owner's manual for the KICKER KXMA1500.1 mono amplifier, detailing performance specifications, installation guides, operation instructions, gain matching, troubleshooting, and warranty information.



## [KICKER KMC3 Marine Multi-Media Receiver Owner's Manual | Installation, Operation, Specs](#)

Comprehensive owner's manual for the KICKER KMC3 Marine Multi-Media Receiver. Includes installation guides, operation instructions, troubleshooting tips, specifications, and warranty information.