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› Roinvou Android 15 Car Radio Head Unit for Kia Optima K5 (2010-2013) - User Manual

Roinvou B0FC65G1LF

Roinvou Android 15 Car Radio Head Unit

USER MANUAL FOR KIA OPTIMA K5 (2010-2013)

1. Product Overview

This manual provides instructions for the Roinvou Android 15 Car Radio Head Unit, designed for Kia Optima K5 models from 2010 to 2013. This unit features a 9-inch HD touchscreen, Wireless CarPlay, Android Auto, Bluetooth 5.0, GPS navigation, and a 32-band equalizer for an enhanced in-car experience.



Image: Roinvou Android 15 Car Radio Head Unit. This image displays the main product unit, a 9-inch touchscreen car radio.

2. Setup and Installation

2.1 Vehicle Compatibility

This car stereo is compatible with Kia Optima K5 models manufactured between 2010 and 2013. It is designed for seamless replacement of the original dash panel without requiring wiring modifications. Please verify your car's dashboard configuration against the images below to ensure compatibility, especially regarding original reverse cameras and power amplifiers.

Compatible with Central Control



No Original Car with Reverse Camera
No Original Car with Power Amplifier



Original Car with Reverse Camera
Original Car with Power Amplifier



NOT FIT Center Console like this

Image: Compatibility with Central Control. This image shows various Kia Optima K5 dashboard configurations, indicating which are compatible and which are not, based on the presence of original reverse cameras or power amplifiers.

For Kia Optima K5 2010-2013



Image: Before and After Installation for Kia Optima K5. This image illustrates the appearance of the car's dashboard before and after the installation of the Roinvou head unit.

2.2 Package Contents

Verify that all items are present in the package:

- Kia Optima K5 Car Stereo
- 2 x Power Cable
- 1 x Radio Antenna
- 1 x USB Adapter Cable
- 1 x Canbus
- 1 x RCA Harness
- 1 x GPS Antenna
- 1 x AHD Backup Camera
- 1 x External Microphone
- 1 x Rear Camera Input Cable
- 2 x USB Cable
- 1 x Installation Tool



Image: Product Size & Package List. This image shows the dimensions of the head unit and a visual representation of all included accessories in the package.

2.3 Wiring Connections

Refer to the wiring diagram for proper connection of all cables. Ensure all connections are secure before powering on the unit.



Image: Wiring Port Diagram. This diagram illustrates the various connection ports on the back of the head unit and the corresponding cables (Power, RCA, USB, Camera Input, Radio Antenna, GPS Antenna).

2.4 Reversing Camera Wiring

The reverse input cable must be connected even if a reverse camera is not used, as it affects Bluetooth and Wi-Fi signal reception. Connect the red cable to the positive terminal of the car's reverse light cable and the black cable to the negative terminal.



Image: Reversing Camera Wiring Diagram. This diagram shows how to connect the reversing camera to the head unit and the car's power system.

2.5 CANBUS Decoder Connection

Without CANBUS Decoder: Connect the plugs or steering wheel control wires (Key1/Key2) in the power cable to the corresponding port or wire of your original car. Then, navigate to "SteeringWheel Key" in the settings to manually match and activate the button functions.

With CANBUS Decoder: Connect the CANBUS before powering on the machine. Go to Apps > Settings >

Factory Settings (password 8888/8317) > Vehicle > Automotive type. Select the brand of the CANBUS decoder and then the matching model and year according to your vehicle's specifications.

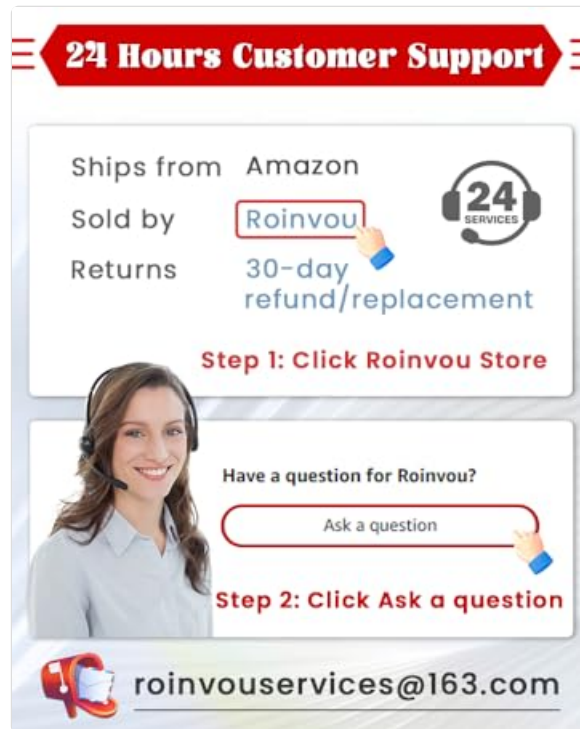


Image: CANBUS Decoder Instructions. This image provides a visual guide for connecting and configuring the CANBUS decoder for steering wheel control functionality.

3. Operating Instructions

3.1 Display and Interface

The unit features a 9-inch HD touchscreen with 1280x720 resolution, offering wide viewing angles and responsive capacitive touch control.



Image: 1280x720P HD Display. This image highlights the high-definition resolution and QLED quantum screen technology of the head unit's display.

3.2 Wireless CarPlay & Android Auto

Connect your iPhone or Android smartphone wirelessly to access navigation, music, calls, and voice assistants (Siri/Google Assistant) directly from the head unit. This feature provides a seamless and integrated smartphone experience.

Wireless CarPlay & Android Auto



Support Most APPS



Spotify



Waze



Whats App



Youtube



Twitter

Image: Wireless CarPlay & Android Auto Interface. This image shows a smartphone connected wirelessly to the head unit, displaying common applications like Spotify, YouTube, and WhatsApp.

3.3 Mirror Link Function

The Mirror Link function allows you to synchronize your Android or iOS smartphone screen with the head unit, enabling you to view and interact with your phone's content on the larger display.

Mirror Link Function

Mirror Links for Android and iOS smartphones, you can synchronize the phone screen to enjoy playing video on a larger screen.



Image: Mirror Link Function Display. This image demonstrates the Mirror Link feature, showing a smartphone screen mirrored onto the head unit's display.

3.4 GPS Navigation & Wi-Fi

The unit comes with preloaded offline maps. Connect to Wi-Fi (5G supported) to download additional maps, receive real-time traffic updates, and use online navigation services. Wi-Fi also enables faster app updates and internet browsing.

GPS Navigation & WiFi

Built-in GPS navigation, you can download offline navigation directly from the Play Store. After connecting to WiFi, the online map can also be used perfectly.

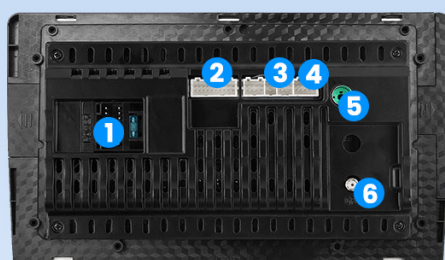


Image: GPS Navigation and WiFi Interface. This image displays the GPS navigation interface with map data and icons representing various online applications accessible via Wi-Fi.

3.5 Bluetooth 5.0 Connectivity

Bluetooth 5.0 ensures stable connections for hands-free calling, music streaming, and phonebook synchronization. Pair your smartphone to make and receive calls safely while driving.

Wiring Port



- 1 Power Cable
- 2 RCA Cable
- 3 USB Cable
- 4 Camera Input
- 5 Radio Antenna
- 6 GPS Antenna

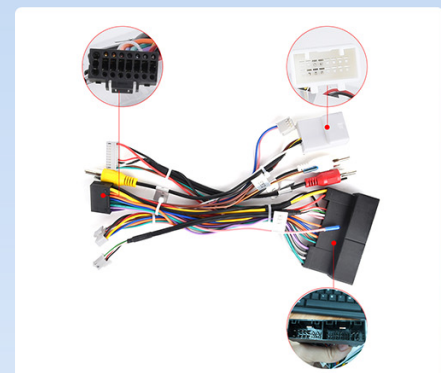


Image: Bluetooth 5.1 Interface. This image shows the Bluetooth interface for calls and music playback, with a driver interacting with the system.

3.6 FM/RDS Radio

Tune into your favorite FM radio stations. The RDS (Radio Data System) feature displays station information, song titles, and other relevant data where available.

Reversing Camera & Canbus Wiring

Tip: The reverse input cable must be plugged in even if the reverse camera is not being used. Otherwise it will affect Bluetooth and WiFi signal reception.

Reversing Camera Wiring

Red Cable ①: Connects to the positive terminal of the car's reverse light cable.

Black Cable ②: Connects to the negative terminal of the car's reverse light cable.

There is no need to connect the other two red extension cables ③ and ④.

Image: FM/RDS Radio Interface. This image displays the digital interface for the FM/RDS radio, showing frequency tuning and station information.

3.7 32-Band EQ Settings

Customize your audio experience with the professional 32-band equalizer. Adjust frequency levels to achieve your preferred sound profile for various music genres.

Product Size & Package List

Power Cable	Power Cable	USB adapter cable	Radio Antenna
Canbus	Installation Tool	GPS Antenna	RCA Cable
Camera Input	USB Cable	AHD Rear Camera	Microphone

Image: 32 EQ Settings Interface. This image shows the graphical interface for the 32-band equalizer, allowing detailed audio customization.

3.8 Steering Wheel Control (SWC)

Retain the functionality of your factory steering wheel buttons for safe and convenient control of the head unit. This includes volume adjustment, track skipping, and answering calls.

1280*720P



Touch

Screen

QLED

Quantum Screen

1280*720

HD resolution

Image: Steering Wheel Control and Backup Camera Display. This image illustrates the steering wheel controls and also shows the display of the AHD backup camera.

3.9 Split Screen and Homepage Display

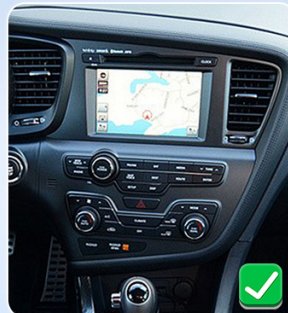
The unit supports a three-panel homepage display for quick access to multiple functions. Utilize the split-screen feature to run two applications simultaneously, such as navigation and music playback.



No Original Car with Reverse Camera
No Original Car with Power Amplifier



Original Car with Reverse Camera
Original Car with Power Amplifier



NOT FIT Center
Console like this

Image: Three-Panel Homepage and Split Screen Display. This image demonstrates the customizable homepage layout and the split-screen functionality of the head unit.

4. Maintenance

To ensure the longevity and optimal performance of your Roinvou car radio, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit and surrounding dashboard area free from dust and debris. Use a soft brush or compressed air for hard-to-reach areas.
- **Software Updates:** Periodically check for available software updates through the unit's settings or the manufacturer's website to ensure you have the latest features and bug fixes.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect its electronic components.

5. Troubleshooting

If you encounter issues with your car radio, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power	Loose power connection, blown fuse.	Check power cables and connections. Inspect and replace any blown fuses in the car or unit.
No Sound	Volume too low, incorrect audio source, loose speaker wires.	Increase volume. Select correct audio source. Check speaker wire connections.
Bluetooth Not Connecting	Bluetooth off on phone/unit, pairing mode not active, interference.	Ensure Bluetooth is enabled on both devices. Put unit in pairing mode. Move closer to the unit. Restart both devices.
GPS Not Working / Inaccurate	Poor satellite signal, outdated maps, GPS antenna issue.	Ensure clear view of the sky. Update maps via Wi-Fi. Check GPS antenna connection.
Steering Wheel Controls Not Working	Incorrect CANBUS setup or wiring, manual mapping required.	Review CANBUS decoder instructions (Section 2.5). Perform manual steering wheel key mapping in settings.
Touchscreen Unresponsive	Software glitch, screen protector interference.	Restart the unit. Remove any screen protectors to test. If issue persists, contact support.

If these steps do not resolve the issue, please contact customer support for further assistance.

6. Specifications

Feature	Detail
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Feature	Detail
Model Number	B0FC65G1LF
Display Size	9 Inches
Display Resolution	1280x720P
Operating System	Android 15
RAM	4GB
ROM	64GB
Processor	4 Core
Connectivity	Bluetooth 5.0, USB, Wi-Fi (5G)
Special Features	Wireless CarPlay, Wireless Android Auto, Mirror Link, Touchscreen, GPS Navigation, FM RDS Radio, Support Reverse Input, Split Screen, 32-Band EQ Setting, Steering Wheel Control
Audio Output Mode	Stereo
Output Power	45 Watts
Item Weight	3.56 pounds
Package Dimensions	14.17 x 8.27 x 3.15 inches

7. Warranty Information

The Roinvou Android 15 Car Radio Head Unit comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official Roinvou website or contact customer support.

8. Customer Support

If you have any questions, require technical assistance, or need to make a warranty claim, please contact Roinvou customer support:

- **Online Support:** Visit the Roinvou store on Amazon and click 'Ask a question'.
- **Email:** roinvouservices@163.com

Please provide your product model number (B0FC65G1LF) and a detailed description of your issue when contacting support to ensure a prompt resolution.

