

## AMprime Android 15 Car Radio Stereo for Kia Optima K5 2010-2013 (4+128G)

# AMprime Android 15 Car Radio Stereo User Manual

For Kia Optima K5 (2010-2013)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 15 Car Radio Stereo. This unit is specifically designed for Kia Optima K5 models from 2010 to 2013, featuring a 9-inch capacitive touch screen, 4GB RAM, and 128GB ROM. It integrates advanced functionalities such as wireless CarPlay, Android Auto, Mirror Link, Bluetooth, FM/RDS radio, GPS navigation, EQ/DSP sound processing, steering wheel control compatibility, and AHD backup camera support.

Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your driving experience.

## 2. SETUP AND INSTALLATION

### 2.1 Compatibility

This car stereo is compatible with Kia Optima K5 models manufactured between 2010 and 2013.

### 2.2 Package Contents

Verify that all components listed below are included in your package:

- AMprime Android 15 Car Radio Stereo Unit
- Vehicle-specific frame for Kia Optima K5
- AHD Rear Camera
- Power Cables (x2)
- Installation Tool
- Rear Camera Input Cable
- GPS Antenna
- Microphone
- Radio Antenna USB Adapter Cable
- USB Cable
- Canbus Decoder

- User Manual (this document)
- RCA Cable



Image: Contents of the product package, including the main head unit, wiring harnesses, GPS antenna, USB cables, microphone, AHD camera, and installation tools.

### 2.3 Installation Overview

The AMprime car radio stereo is designed for a plug-and-play installation in compatible Kia Optima K5 vehicles. It replaces the factory head unit and integrates with the existing vehicle wiring and dashboard aesthetics.



Image: Visual comparison showing the vehicle dashboard before and after the installation of the AMprime car radio stereo, highlighting the integrated fit.

For detailed installation steps, refer to the specific wiring diagrams and instructions provided with your vehicle's service manual or consult a professional installer.

## 3. OPERATING INSTRUCTIONS

### 3.1 Wireless CarPlay & Android Auto & Mirror Link

The unit supports wireless Apple CarPlay and Android Auto, allowing seamless integration with your smartphone for navigation, music, calls, and messaging. Mirror Link functionality is also available for both iOS and Android devices.

- **Wireless CarPlay/Android Auto:** Connect your smartphone via Bluetooth to enable wireless CarPlay or Android Auto. This projects your phone's interface onto the car stereo screen, allowing access to compatible apps.
- **Mirror Link:** For iOS devices, connect via WiFi. For Android devices, connect via WiFi or USB. This feature duplicates your phone's screen content directly onto the car stereo display.



Image: The car stereo display showing the main interface with icons for various applications, demonstrating wireless CarPlay, Android Auto, and Mirror Link capabilities.

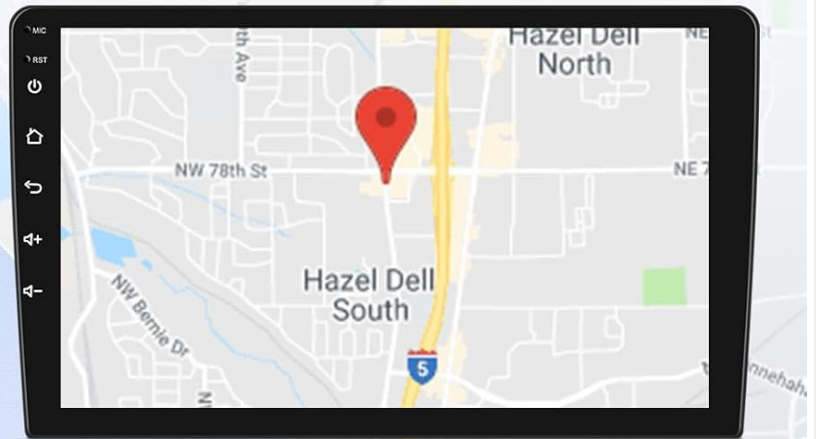
### 3.2 Bluetooth Connectivity

Connect your mobile phone via Bluetooth for hands-free calling and audio streaming.

- **Pairing:** Access the Bluetooth settings on the car stereo. Enable Bluetooth on your phone and search for available devices. Select the car stereo's name (e.g., "BLINK\_UNKN052") and confirm the pairing.
- **Hands-Free Calling:** Once paired, you can make and receive calls directly through the car stereo, using the built-in microphone.
- **Audio Streaming:** Play music from your phone through the car's speakers.

# GPS Navigation

Built-in GPS module, you can use offline and online maps directly.



# WiFi Hotspot

Support WiFi or Hotspot connection, you can install apps from the Play Store, watch online videos as well as navigate online.

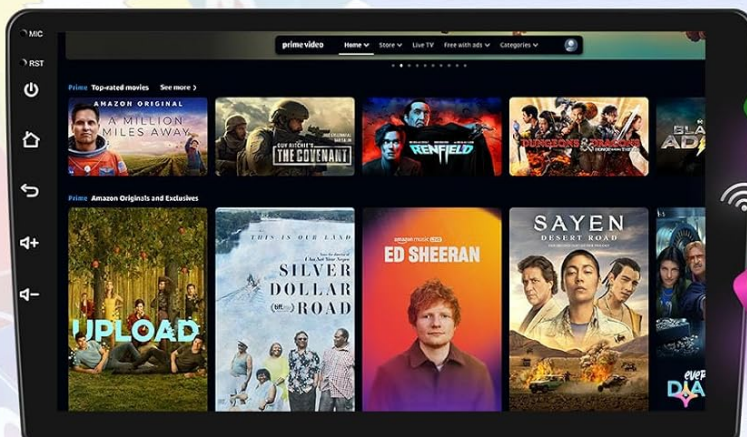


Image: The Bluetooth menu on the car stereo, displaying options for dialing, contacts, call history, and managing paired devices.

## 3.3 FM/RDS Radio

The unit features an FM/RDS radio receiver for high-quality audio reception.

- **Tuning:** Use the on-screen controls to scan for stations or manually tune to a specific frequency.
- **Presets:** Save your favorite stations for quick access.
- **RDS Functionality:** Radio Data System (RDS) displays station information, such as song titles or traffic updates, where available.

## Reversing Display

Waterproof night vision camera will automatically switch the reverse image when in reverse gear.

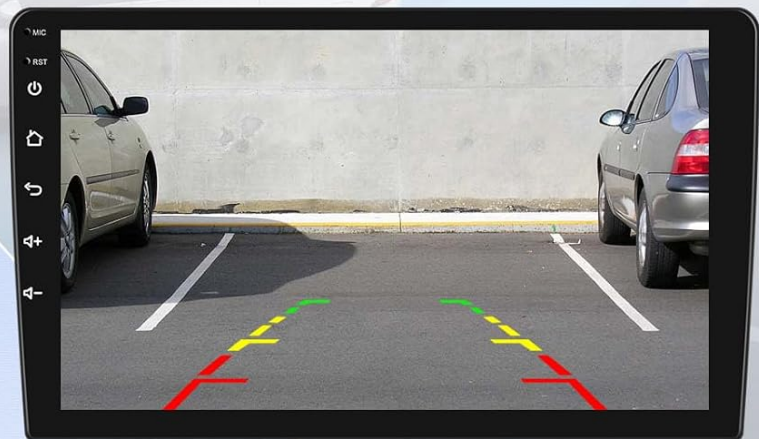


**Clear Image**

**Waterproof**

**Night Vision**

**170° Wide Angle**



## Steering Wheel Control

If the original car has buttons, you can use the steering wheel buttons to control the radio, making the operation more convenient.

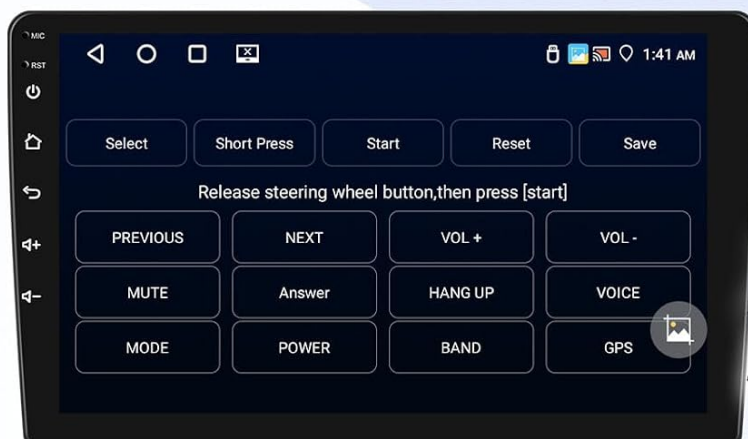


Image: The FM/RDS radio interface, showing current frequency, signal strength, and options for station selection and saving presets. Also includes a view of the EQ settings.

### 3.4 EQ Setting & DSP

Customize your audio experience with the built-in Equalizer (EQ) and Digital Sound Processor (DSP).

- **EQ Adjustment:** Access the EQ settings to fine-tune audio frequencies, balance, and fade. Choose from various preset sound effects or create custom profiles.
- **DSP Technology:** The DSP tuning software allows for precise adjustments to frequency, acoustic environment (AE), and 32-band equalization, enhancing sound quality.

### 3.5 GPS Navigation & WiFi Connect

Navigate with ease using the integrated GPS module and stay connected with WiFi.

- **GPS Navigation:** The unit comes with a built-in offline map of North America. Connect to WiFi to use online maps and real-time traffic updates.
- **WiFi Hotspot:** Connect to a WiFi network or use your phone's hotspot to access online features, download apps

from the application store, and stream content.



**For Kia Optima K5 2010-2013**



**Before installation**



**After installation**

Image: The GPS navigation screen displaying a map with route information, alongside the WiFi hotspot interface showing various downloadable applications.

### 3.6 Steering Wheel Control (SWC)

If your vehicle has factory steering wheel controls, this unit supports integration, allowing you to manage basic functions without taking your hands off the wheel.

- **Functionality:** Control volume, switch tracks/channels, answer/end calls, and activate voice commands directly from your steering wheel.
- **Configuration:** Access the SWC settings in the unit's menu to map your vehicle's steering wheel buttons to the desired functions.

# Package List



AHD Rear Camera



Power Cable



Power Cable



Installation Tool



Rear Camera Input Cable



GPS Antenna



Microphone



Radio Antenna  
USB adapter cable



USB Cable



Canbus



User Manual



RCA Cable

Image: The steering wheel control configuration screen, showing options to assign functions to physical buttons. This image also includes a view of the reversing display.

## 3.7 AHD Rear View Camera / Reversing Display

The included AHD rear view camera provides a clear, wide-angle view of the area behind your vehicle when reversing.

- **Automatic Activation:** The display automatically switches to the rear camera view when the vehicle is shifted into reverse gear.
- **Features:** The camera offers a waterproof design, excellent night vision, and a 170° ultra-wide field of view for enhanced safety.

## 3.8 Official Product Video



Video: An official product video titled "Upgrade Android Car Radio" from AMprime, demonstrating various features and functionalities of the car stereo. Duration: 2 minutes 25 seconds.

## 4. SPECIFICATIONS

|                                       |                         |
|---------------------------------------|-------------------------|
| Brand                                 | AMprime                 |
| Vehicle Service Type                  | Car                     |
| Screen Size                           | 9 Inches                |
| Special Feature                       | Bluetooth               |
| Connectivity Technology               | Wi-Fi                   |
| Map Type                              | Worldwide               |
| Included Components                   | Radio                   |
| Memory Storage Capacity               | 128 GB                  |
| Touch Screen Type                     | Capacitive              |
| Display Type                          | Touch Screen            |
| Compatible with Vehicle Type          | Car                     |
| Additional Features                   | Bluetooth               |
| Map Types                             | Worldwide               |
| Human-Interface Input                 | Microphone, Touchscreen |
| Are Batteries Included                | No                      |
| Supported Satellite Navigation System | GPS                     |
| Built-In Media                        | Radio                   |

## 5. TROUBLESHOOTING

If you encounter issues with your AMprime car radio stereo, consider the following general troubleshooting steps:

- **No Power:** Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections. Check volume levels and mute settings. Ensure the correct audio source is selected.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the stereo and your phone. Delete previous pairings and attempt to re-pair.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (refer to the unit's settings menu).
- **Steering Wheel Controls Not Working:** Check the Canbus decoder connection. Reconfigure the SWC settings in the unit's menu.

For persistent issues, please contact customer support.

## 6. MAINTENANCE

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

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **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.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Avoid pulling on cables forcefully.

## 7. WARRANTY AND SUPPORT

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### 7.1 Warranty Information

The product comes with a standard manufacturer's warranty. Please refer to your purchase documentation or contact customer support for specific warranty terms and conditions.

### 7.2 Customer Support

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

- **Email:** [AmprimeTechSupport@yeah.net](mailto:AmprimeTechSupport@yeah.net)
- **Seller:** US AMPrime Technology LLC

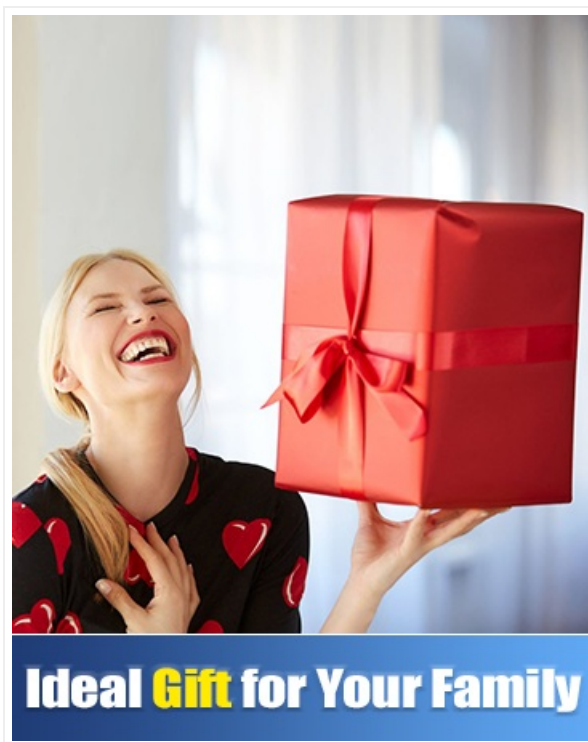


Image: A customer support representative providing online assistance, symbolizing available support for product inquiries.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**