

[Manuals.plus](#) /

> [Roinvou](#) /

> Roinvou Car Radio for Toyota Avalon 2005-2010 User Manual

## Roinvou Car Radio for Toyota Avalon 2005-2010

# Roinvou Car Radio for Toyota Avalon 2005-2010 User Manual

Model: Car Radio for Toyota Avalon 2005-2010

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Roinvou Car Radio for Toyota Avalon 2005-2010. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

### Upgrade Radio for Toyota Avalon 2005-2010



Image: Roinvou Car Radio seamlessly integrated into a Toyota Avalon 2005-2010 dashboard, showcasing its modern display and interface.

## VEHICLE COMPATIBILITY

This car radio stereo is specifically designed for Toyota Avalon models from 2005 to 2010. It is crucial to verify compatibility with your specific vehicle before installation.

### Important Note:

- The included cable does **NOT** support original cars equipped with a JBL power amplifier.
- The included cable does **NOT** support original cars with a navigation system that includes a screen.

## For Toyota Avalon 2005-2010



Image: A visual comparison showing the original Toyota Avalon dashboard (Before) and the dashboard with the Roinvou Car Radio installed (After), highlighting the seamless fit.

## PACKAGE CONTENTS

Please ensure all the following items are included in your package:

- 1 x Roinvou Car Stereo for Toyota Avalon
- 1 x Power Cable
- 1 x Canbus (if applicable to your order)
- 2 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

## Product Size & Package List

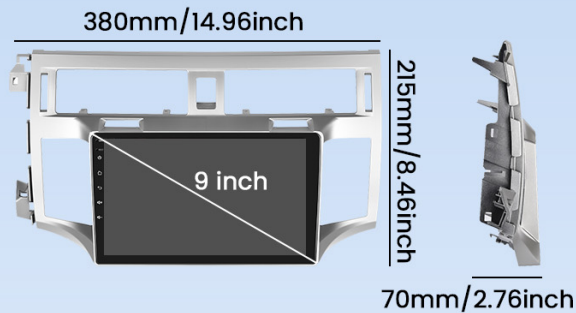


Image: An illustration detailing the product dimensions and a visual list of all components included in the Roinvou Car Radio package.

## SETUP & INSTALLATION

### Wiring Port Overview

Familiarize yourself with the various wiring ports on the back of the head unit and the corresponding cables.

### Wiring Port

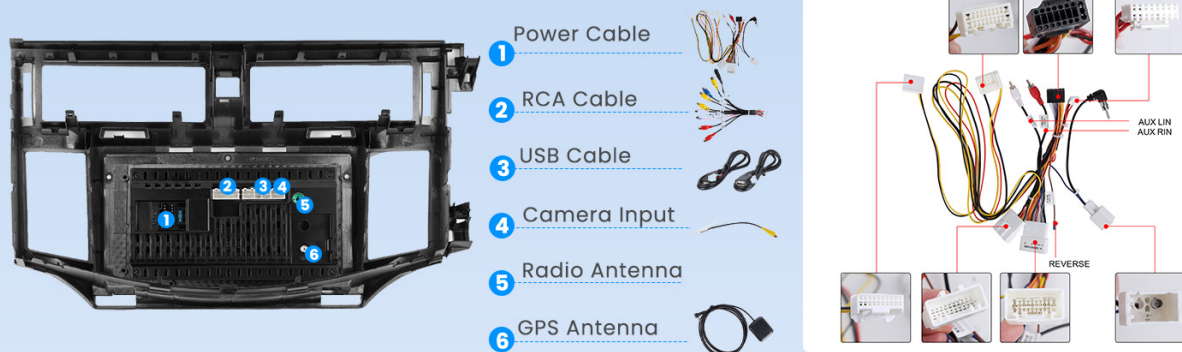


Image: A detailed diagram showing the various wiring ports on the car radio unit and how the power cable, RCA cables, USB cables, camera input, radio antenna, and GPS antenna connect.

### CANBUS Decoder Instructions

The method for activating steering wheel controls depends on whether your unit includes a CANBUS decoder.

### Without CANBUS Decoder:

Please connect the plugs or the steering wheel control wires(Key1/Key2) in the power cable to the corresponding port or wire of your original car, and then go to "SteeringWheel Key" manual match to activate the button function.

### Contain CANBUS Decoder:

Please connect the canbus before powering on the machine, and then follow this path (Apps - Settings - Factory Settings(8888/8317) - Vehicle - Automotive type) to make SWC work properly. First select the brand of the canbus decoder, then select the matching model and year according to the actual situation.

Image: A graphic illustrating the two scenarios for CANBUS decoder setup: one for units without a decoder, requiring manual wiring of Key1/Key2, and another for units with a decoder, detailing the software setup path.

#### Without CANBUS Decoder:

Connect the plugs or the 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 unit's settings to manually match and activate the button functions.

#### With CANBUS Decoder:

Connect the CANBUS before powering on the machine. Then, follow this path:**Apps > Settings > Factory Settings (8888/8317) > Vehicle > Automotive type** to ensure Steering Wheel Control (SWC) works properly. First, select the brand of the CANBUS decoder, then select the matching model and year according to your actual vehicle situation.

## Reversing Camera Wiring

Proper connection of the reversing camera is essential for its functionality.

## 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.

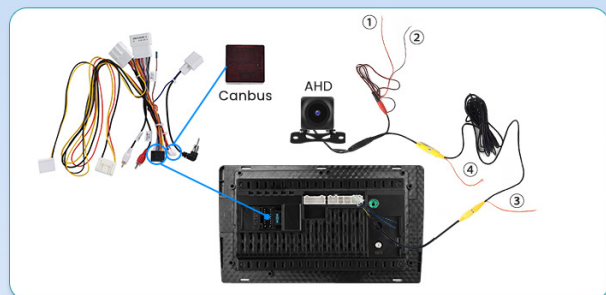


Image: A visual guide demonstrating the wiring connections for the reversing camera and CANBUS, showing the red cable to the positive reverse light and the black cable to the negative.

#### 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 Steps:

1. **Red Cable ①:** Connects to the positive terminal of the car's reverse light cable.
2. **Black Cable ②:** Connects to the negative terminal of the car's reverse light cable.

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

## OPERATING INSTRUCTIONS

### Wireless Carplay & Android Auto

Connect your iPhone or Android phone wirelessly to access navigation, music, calls, and more directly on the car radio screen. Utilize voice assistants like Siri or Google Voice Assistant for hands-free operation, enhancing driving safety.



Image: A visual representation of the Wireless Carplay and Android Auto interface, showing a smartphone connected wirelessly to the car radio display, with icons for various applications like Spotify, Waze, and YouTube.

### Mirror Link Function

Synchronize your Android or iOS smartphone screen with the car radio display. This allows you to mirror content such as videos and games from your phone onto the larger 9-inch screen.

## Mirror Link Function

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



**For IOS: Bluetooth**  
**For Android: Bluetooth**

Image: A demonstration of the Mirror Link function, where a smartphone's screen is mirrored onto the car radio display, showing a high-resolution image of a dolphin.

## GPS Navigation & WiFi

The unit features built-in GPS navigation. You can download offline navigation maps directly from the Play Store. After connecting to WiFi, online maps can also be used effectively, and you can access various online applications.

# 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: A graphic illustrating the GPS navigation capabilities with a map display and icons representing various online applications accessible via WiFi, such as Instagram, Facebook, and TikTok.

## Bluetooth 5.0

Equipped with Bluetooth 5.0, the system provides dedicated music and call streams with zero interference. Enjoy clear hands-free calling and high-quality audio streaming from your connected devices.

## Bluetooth 5.1



Image: A visual showing the Bluetooth 5.1 interface with call and music playback options, demonstrating hands-free communication while driving.

## 32-Band EQ Tuning

Compensate for the limitations of original car speakers and achieve superior lossless sound quality. The unit offers preset sound modes (Rock, Pop, Classic) and a customizable 32-band equalizer to fine-tune your audio experience.



Image: The graphical user interface for the 32-band equalizer settings, allowing precise audio adjustments, alongside a visual representation of sound distribution within a car cabin.

## FM/RDS Radio

The FM radio includes auto-sync RDS (Radio Data System) information, displaying frequency and program names. Presets allow you to quickly access your favorite radio channels.



Image: The user interface for the FM/RDS radio, showing frequency display, station presets, and RDS information.

## Steering Wheel Control (SWC)

The unit is largely compatible with factory multi-function steering wheel buttons, allowing control over volume, track skipping, and other functions directly from your steering wheel.

## Steering Wheel Control



170°Wide Angle



Night Version



Waterproof



HD



Previous



Next



HangUP



Answer



Volume+



Volume-



## AHD Backup Camera



Image: A split image showing the steering wheel controls on one side and the car radio display with the backup camera view on the other, demonstrating integrated control and safety features.

### Backup Camera

The included AHD backup camera automatically displays the rear view on the screen when you shift into reverse gear, significantly improving reversing safety.

(Refer to "Reversing Camera Wiring" in the Setup & Installation section for connection details.)

### Three-Panel Homepage Display & Split Screen

The system supports a three-panel homepage display for quick access to multiple functions simultaneously. It also features a split-screen function, allowing you to view two applications side-by-side, such as navigation and music playback.



Image: A visual demonstration of the car radio's multi-tasking capabilities, showing a three-panel homepage layout and a split-screen view with two applications running concurrently.

## SPECIFICATIONS

| Feature                 | Detail                                                                                                                                                              |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand                   | Roinvou                                                                                                                                                             |
| Model Compatibility     | Toyota Avalon 2005-2010                                                                                                                                             |
| Display Size            | 9 Inches                                                                                                                                                            |
| Resolution              | 1280*720P HD IPS                                                                                                                                                    |
| Operating System        | Android                                                                                                                                                             |
| Memory Storage Capacity | 64 GB                                                                                                                                                               |
| Connectivity Technology | Bluetooth 5.0, Wi-Fi, USB                                                                                                                                           |
| Special Features        | Wireless CarPlay, Wireless Android Auto, Mirror Link, GPS Navigation, FM RDS Radio, Support Reverse Input, Split Screen, 32-Band EQ Setting, Steering Wheel Control |
| Audio Output Mode       | Stereo                                                                                                                                                              |
| Map Type                | North America (downloadable offline maps)                                                                                                                           |
| Item Weight             | 3.83 pounds                                                                                                                                                         |
| Package Dimensions      | 15.35 x 9.65 x 3.35 inches                                                                                                                                          |

|                   |       |
|-------------------|-------|
| Country of Origin | China |
|-------------------|-------|

## TROUBLESHOOTING

If you encounter issues with your Roinvou Car Radio, please refer to the following general troubleshooting steps:

- **No Power:** Check all power connections. Ensure the car's fuse for the radio is intact.
- **No Sound:** Verify speaker connections. Check volume levels and EQ settings. Ensure the correct audio source is selected.
- **Bluetooth/WiFi Issues:** Ensure the reverse input cable is plugged in (as per installation notes). Restart the unit and your phone. Check for interference.
- **Steering Wheel Controls Not Working:** Re-check CANBUS decoder setup or manual key mapping as described in the "Setup & Installation" section.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear view of the sky.
- **Screen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (consult support if unsure).

For persistent issues, please contact Roinvou customer support.

## MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents that could damage the surface.
- **Software Updates:** Periodically check for 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 Management:** Ensure all cables are securely connected and not pinched or exposed to prevent damage.

## WARRANTY & SUPPORT

### Warranty Information

The Roinvou Car Radio comes with a **1 Year Warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

## Customer Support

For technical assistance, warranty inquiries, or further questions, please visit the official Roinvou store or contact their customer service through the platform where you purchased the product.

Official Roinvou Store: <https://www.amazon.com/stores/Roinvou/page/04D2A969-B532-4943-B594-E2F3D61E3A08>

© 2025 Roinvou. All rights reserved.