

Roinvou 4+64G (8 Core)

Roinvou 8 Cores 4+64G Android Radio Upgrade User Manual

For Toyota Corolla EX 2005-2012

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Roinvou 8 Cores 4+64G Android Radio Upgrade. Please read this manual thoroughly before installation and use to ensure proper function and safety. This unit is designed to enhance your driving experience with advanced features such as wireless CarPlay, Android Auto, GPS navigation, and multimedia capabilities.



2. IMPORTANT SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of car audio systems can be complex. If you are unsure about any step, seek assistance from a qualified professional installer.
- **Vehicle Compatibility:** This unit is specifically designed for Toyota Corolla EX models from 2005 to 2012. Verify compatibility before installation.
- **Power Supply:** Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation to prevent electrical shorts and damage.
- **Wiring:** Incorrect wiring can cause damage to the unit or the vehicle's electrical system. Follow the wiring diagrams precisely.
- **Driving Safety:** Do not operate the unit's advanced features or watch videos that may distract you while driving. Always prioritize road safety.
- **JBL Amplifier Note:** The included power cable does NOT support original cars equipped with a JBL power amplifier. If your vehicle has a JBL amplifier, a separate adapter or wiring modification may be required.

3. COMPATIBILITY

This Roinvou Android Radio Upgrade is designed for direct fitment and integration with the following vehicle model:

- **Vehicle Model:** Toyota Corolla EX
- **Model Years:** 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012

Please ensure your vehicle's dashboard matches the 'After Installation' image provided in this manual for proper fitment.

For Toyota Corolla EX 2005-2012



Image 3.1: Comparison of the dashboard before and after installing the Roinvou Android Radio.

4. PACKAGE CONTENTS

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

- Roinvou Android Car Stereo for Toyota Corolla EX
- Power Cable
- RCA Harness
- GPS Antenna
- AHD Backup Camera
- External Microphone
- Rear Camera Input Cable
- Dual USB Cable
- Installation Tool

5. SETUP & INSTALLATION

5.1 Pre-Installation Checks

- Confirm vehicle compatibility (Toyota Corolla EX 2005-2012).
- Check the power cable port on the detail page against your original car's wiring to ensure a match.
- If your vehicle has a JBL power amplifier, the included power cable is not compatible. You will need to source an appropriate adapter or wiring solution separately.
- Disconnect the vehicle's battery before starting any electrical work.

5.2 Wiring Connections

Carefully connect the provided wiring harnesses to the corresponding ports on the head unit and your vehicle's wiring system. Refer to the 'Power Cord Port Display' image for visual guidance on the main wiring harness connections.



Image 5.1: Power Cord Port Display and Wiring Harnesses.

5.3 Backup Camera Installation

Connect the AHD backup camera using the provided rear camera input cable. Ensure the camera's power wire is connected to the reversing lamp power, and the ground wire to a suitable ground point. The head unit will automatically display the reversing image when the car is in reverse gear.



Image 5.2: Reversing Camera Wiring and Steering Wheel Control Setup.

5.4 Steering Wheel Control (SWC) Connection

Connect the steering wheel control wires according to your vehicle's wiring diagram. Once connected, you can configure the steering wheel buttons through the unit's settings to control functions such as volume, track skipping, and mode switching.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation and User Interface

- **Power On/Off:** The unit powers on with the vehicle's ignition.
- **Touchscreen:** The 9-inch HD capacitive touchscreen provides responsive interaction.
- **Backgrounds & Themes:** Touch the color circle in the lower left corner of the screen to switch between 19 backgrounds. Long press the main interface to switch between 59 desktop themes.

6.2 Wireless CarPlay, Android Auto, and Mirror Link

The unit supports both wireless and wired connections for Apple CarPlay and Android Auto, as well as Mirror Link functionality.

- **CarPlay/Android Auto:** Connect your smartphone wirelessly via Bluetooth or wired via USB. This allows for voice-assisted control and access to phone features like music, navigation, calls, and messages directly on the unit's screen.
- **Mirror Link:** Sync your phone's screen to the head unit via WiFi hotspot or the phone's original USB cable.



Image 6.1: Wireless CarPlay, Android Auto, and Mirror Link Functionality.

6.3 GPS Navigation & WiFi

- **Built-in GPS:** The unit includes a built-in GPS module. Navigation software like Waze and free offline maps can be utilized.
- **WiFi Connectivity:** Connect to a WiFi network or mobile hotspot for online maps and to download applications like YouTube, TikTok, and others from the Play Store.

6.4 Bluetooth & FM/RDS Radio

- **Bluetooth:** Features a built-in and external microphone for hands-free calling, music playback, voice functions, and contact synchronization.
- **FM/RDS Radio:** Provides stable FM radio reception with 18 preset stations. Supports manual, semi-automatic, and fully automatic channel search. RDS (Radio Data System) delivers channel broadcasting

information, weather forecasts, and real-time road conditions.

7. FEATURES OVERVIEW

The Roinvou Android Radio Upgrade offers a comprehensive set of features for an enhanced in-car experience:

- **9-inch HD Capacitive Touchscreen:** 1280 x 720 resolution for clear visuals.
- **Android 13 Operating System:** Provides a modern and responsive user experience.
- **8-Core Processor with 4GB RAM + 64GB ROM:** Ensures ultra-fast running speed and ample storage.
- **Wireless/Wired CarPlay & Android Auto:** Seamless smartphone integration.
- **Mirror Link:** Display your phone's screen on the head unit.
- **Built-in GPS Navigation:** Supports online and offline maps.
- **WiFi Connectivity:** Access to online content and app downloads.
- **Bluetooth 5.0:** Hands-free calling and audio streaming.
- **FM/RDS Radio:** High-quality radio reception with station information.
- **32-band EQ:** Advanced audio customization for a superior listening experience.
- **AHD Backup Camera Support:** Automatic display of reverse image for safer parking.
- **Steering Wheel Control (SWC):** Convenient control of unit functions while driving.

1080P IPS Touch Screen



1280*720



High Temperature
Protection



Scratch-Resistant



Anti-Knock

Image 7.1: 1080P IPS Touch Screen Features.

Powerful Android System



Image 7.2: Powerful Android System Performance.

8. TROUBLESHOOTING

If you encounter issues with your Roinvou Android Radio, refer to the following common troubleshooting steps:

- **Unit Not Powering On:**
 - Check all power connections to ensure they are secure.
 - Verify the vehicle's fuse for the radio is intact.
 - Ensure the vehicle's ignition is on.
- **No Sound:**
 - Check speaker wire connections.
 - Ensure the volume is not muted or set to minimum.
 - Verify the audio source is correctly selected.
- **Bluetooth Connectivity Issues:**

- Ensure Bluetooth is enabled on both the head unit and your smartphone.
 - Delete previous pairings and attempt to re-pair the device.
 - Restart both the head unit and your smartphone.
 - Ensure no other devices are actively connected to the head unit's Bluetooth.
- **GPS Not Working/Inaccurate:**
 - Ensure the GPS antenna is properly connected and placed in a location with a clear view of the sky.
 - Check GPS settings within the unit to ensure it is enabled.
 - Update map data if available.
- **Backup Camera Not Displaying:**
 - Verify the camera's power and ground connections are correct.
 - Ensure the camera input cable is securely connected to the head unit.
 - Check if the vehicle is properly in reverse gear.
- **Steering Wheel Controls Not Responding:**
 - Confirm SWC wiring is correctly installed.
 - Access the unit's settings to re-learn or reconfigure the steering wheel buttons.

9. SPECIFICATIONS

Technical specifications for the Roinvou 8 Cores 4+64G Android Radio Upgrade:

Feature	Specification
System	Latest Android System (Android 13)
Memory	4GB RAM + 64GB ROM
Processor	8 Core
Screen Size	9 Inches
Screen Resolution	1280 x 720
Internet Access	WiFi
Bluetooth Version	5.0
High Quality Sound	DSP 32EQ
Radio	FM RDS
CarPlay & Android Auto	Support Wireless and Wired
Mirror Link	Support Wireless and Wired
External Mic	Support

Feature	Specification
Steering Wheel Control	Support
Power Output	4*45W
Audio Format Support	APE/FLAC/WAV/MP3/WMA etc.
Video Format Support	MKV/RMVB/AVI/MP4/MDV etc.
Connectivity Technology	Bluetooth, USB, Wi-Fi
Map Type	North America

Product Relevancy Information

System:	Latest Android System
Memory:	4+64GB
Processor:	8 Core
Internet Access:	WiFi
Bluetooth Version:	5.0
High Quility Sound:	DSP 32EQ
Radio:	FM RDS
Screen Resolution:	1280*720
Factory Code:	1234
Carplay & Android Auto:	Support Wireless and Wired
Mirror Link:	Support Wireless and Wired
External Mic:	Support
Steering Wheel Control:	Support
Power Output:	4*45W
Audio Format:	APE/FLAC/WAV/MP3/WMA etc
Video Format:	MKV/RMVB/AVI/MP4/MDV etc

Image 9.1: Product Specifications Summary.

10. MAINTENANCE

To ensure the longevity and optimal performance of your Roinvou Android 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.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Software Updates:** Periodically check for and install any available software updates to ensure the unit operates with the latest features and bug fixes.
- **Cable Management:** Ensure all cables are securely routed and not pinched or exposed to excessive wear.

11. WARRANTY AND SUPPORT

Roinvou is committed to providing quality products and customer satisfaction. For warranty information or technical support, please refer to the following:

- **Return Policy:** This product typically includes a 30-day refund/replacement policy. Please check your purchase details for specific terms.
- **Customer Support:** For any questions or assistance, you can contact Roinvou customer support.
- **Contact Email:** roinvouservices@163.com

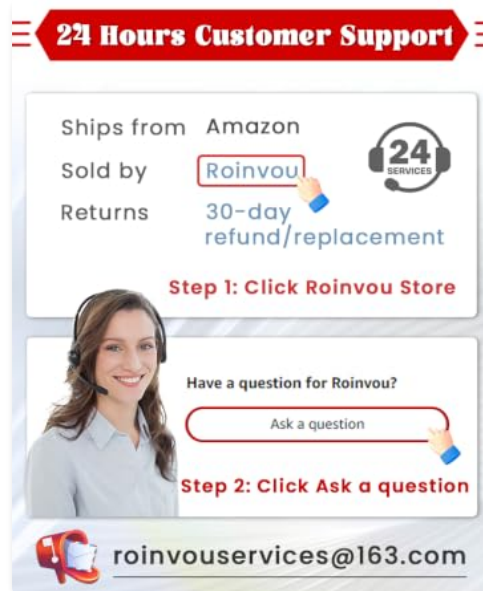


Image 11.1: Roinvou Customer Support Information.