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Roadanvi X12 Android 12 Car Radio

Roadanvi 10.2-inch Android 12 Car Radio User Manual

For Toyota Camry (2015-2017)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Roadanvi 10.2-inch Android 12 Car Radio. This multimedia head unit is specifically designed for Toyota Camry models from 2015 to 2017, ensuring perfect compatibility and integration with your vehicle's existing systems.

Key Features:

- **Operating System:** Android 12
- **Processor:** Unis7862S True Octa-core (4GB RAM + 64GB ROM)
- **Display:** 10.2-inch QLED Touch Screen (1280x720 resolution, 178° full-viewing angle)
- **Connectivity:** Apple CarPlay & Android Auto (wired/wireless), Bluetooth 5.0, Wi-Fi, 4G LTE (SIM card slot)
- **Audio:** Built-in DSP surround sound, 4*50W output, Fiber Optical Output
- **Navigation:** Supports online and offline navigation
- **Compatibility:** Retains factory steering wheel controls, OEM JBL amplifier, and reverse camera functionality.



The Roadanvi 10.2-inch Android 12 Car Radio seamlessly integrated into a Toyota Camry dashboard, displaying the Apple CarPlay

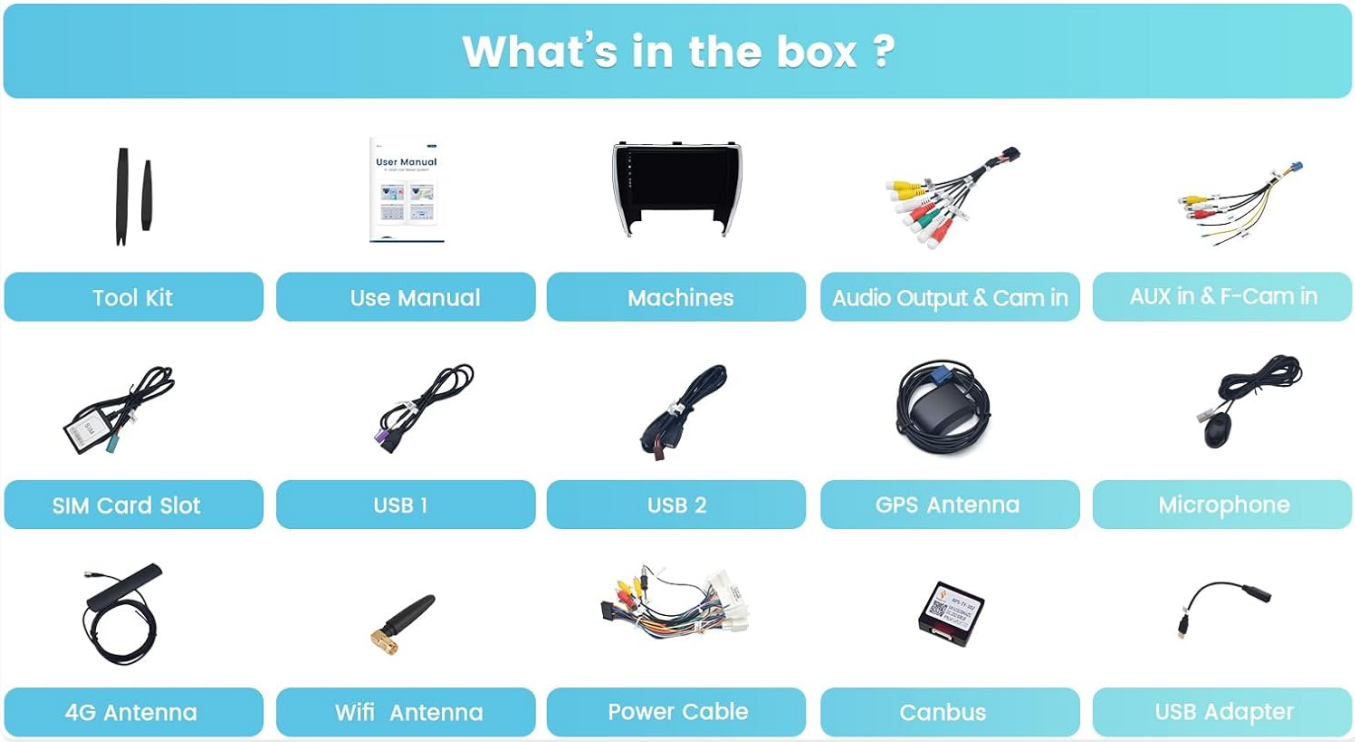
interface.

2. What's in the Box

The package includes all necessary components for a complete installation and optimal functionality:

- Main Head Unit (10.2-inch QLED display)
- User Manual
- Power Cable
- Audio Output Cable
- Cam In Cable
- SIM Slot Cable
- Dual USB Cable
- GPS Antenna
- Microphone
- 4G Antenna
- Wifi Antenna
- Canbus Decoder
- USB Adapter





Detailed view of all components included in the Roadanvi car radio package.

▶ **Watch video online**

What is in the box of Toyota Camry 2015-2017 Stereo?

This video demonstrates the unboxing and contents of the Roadanvi 10.2-inch Android 12 Car Radio package, showing each accessory and cable.

3. Setup and Installation

Important: Before beginning installation, turn off your vehicle and disconnect the car battery to prevent electrical damage.

3.1. Removing the OEM Radio

1. **Remove Air Vents:** Gently pry off the top air vent panel above the OEM radio using a plastic trim removal tool. These panels are typically held by clips.
2. **Remove Center Console Trim:** Carefully remove the trim surrounding the gear shifter. This usually involves prying it up and disconnecting any electrical connectors (e.g., for ECO mode buttons). Unscrew the gear shifter knob if necessary.
3. **Access Mounting Screws:** Once the trim is removed, locate and remove the mounting screws (typically 10mm bolts) securing the OEM radio unit. There are usually two at the bottom and two at the top.
4. **Pull Out OEM Radio:** Gently pull the OEM radio unit forward. Disconnect all electrical connectors from the back of the OEM radio. Take note of each connector's location for reassembly or new connections.

3.2. Preparing the New Head Unit

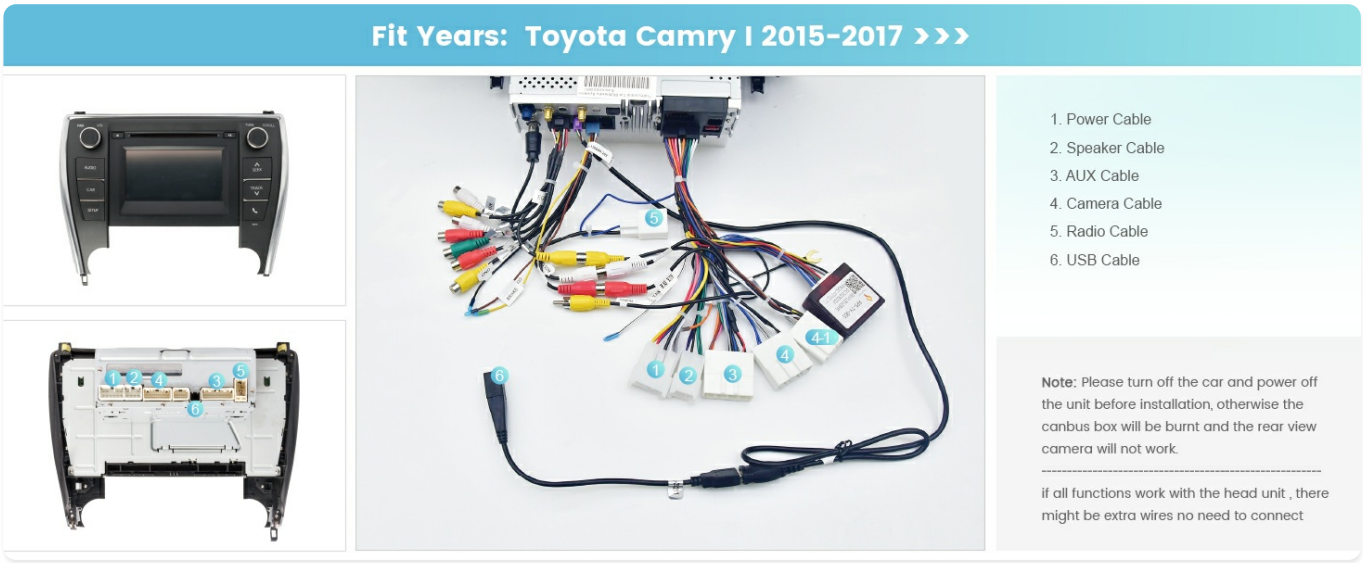
5. **Transfer AC Controls:** The original AC control panel (buttons and display) needs to be detached from the OEM radio frame and installed onto the new Roadanvi head unit's frame. This may involve removing small pins or screws. Ensure it sits flush.
6. **Transfer Mounting Brackets:** Remove the metal mounting brackets from the sides of the OEM radio and attach them to the new Roadanvi head unit.

3.3. Wiring and Connections

7. **Connect Canbus Decoder:** Connect the provided Canbus decoder to the main wiring harness. Ensure the connection is secure.
8. **Connect Main Harness:** Connect the main wiring harness from the Roadanvi unit to the vehicle's factory wiring. Match the connectors carefully.
9. **Connect Antennas:**
    - **GPS Antenna:** Connect the GPS antenna to the blue port on the back of the head unit. Route the antenna cable and place the antenna in a location with a clear view of the sky (e.g., under the dashboard near the windshield).
    - **Wi-Fi Antenna:** Connect the Wi-Fi antenna to the gold-colored port.
    - **4G Antenna (Optional):** If using a 4G SIM card, connect the 4G antenna.
10. **Connect USB Cables:** Connect the dual USB cables to the designated ports on the head unit. Route these cables to your desired location (e.g., glove compartment, center console) for easy access.
11. **Connect Microphone:** Connect the external microphone cable. Route it to a suitable location for clear voice pickup (e.g., near the rearview mirror or steering column).
12. **Connect Camera Input:** If installing an aftermarket reverse camera, connect its video input to the 'CAM IN' port on the harness. The unit is designed to retain the factory reverse camera functionality.

3.4. Reassembly

13. **Test Functionality:** Before fully reassembling, temporarily connect the car battery and turn on the ignition to test the basic functions of the new head unit (power, touch screen, radio, steering wheel controls, reverse camera).
14. **Mount New Head Unit:** Carefully slide the Roadanvi head unit into the dashboard opening and secure it with the mounting screws.
15. **Reinstall Trim Panels:** Reattach the center console trim and the top air vent panel, ensuring all clips snap into place.



Wiring diagram for connecting the Roadanvi car radio to a Toyota Camry (2015-2017).

▶ **Watch video online**

How to remove the OEM radio and install Roadanvi camry radio

This video provides a step-by-step guide on how to remove the OEM radio and install the Roadanvi car radio in a Toyota Camry.

4. Operating Instructions

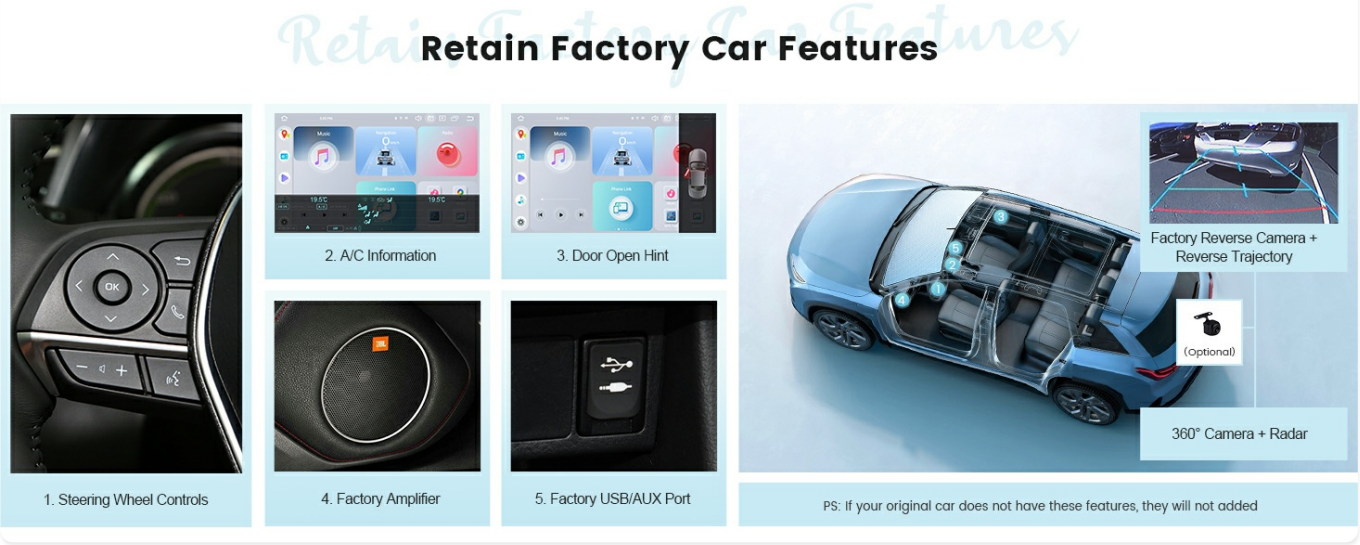
4.1. QLED Touch Screen

The 10.2-inch QLED touch screen offers a 1280x720 high-resolution display with a 178° full-viewing angle. It features adjustable brightness with day and night modes for optimal visibility in various lighting conditions.





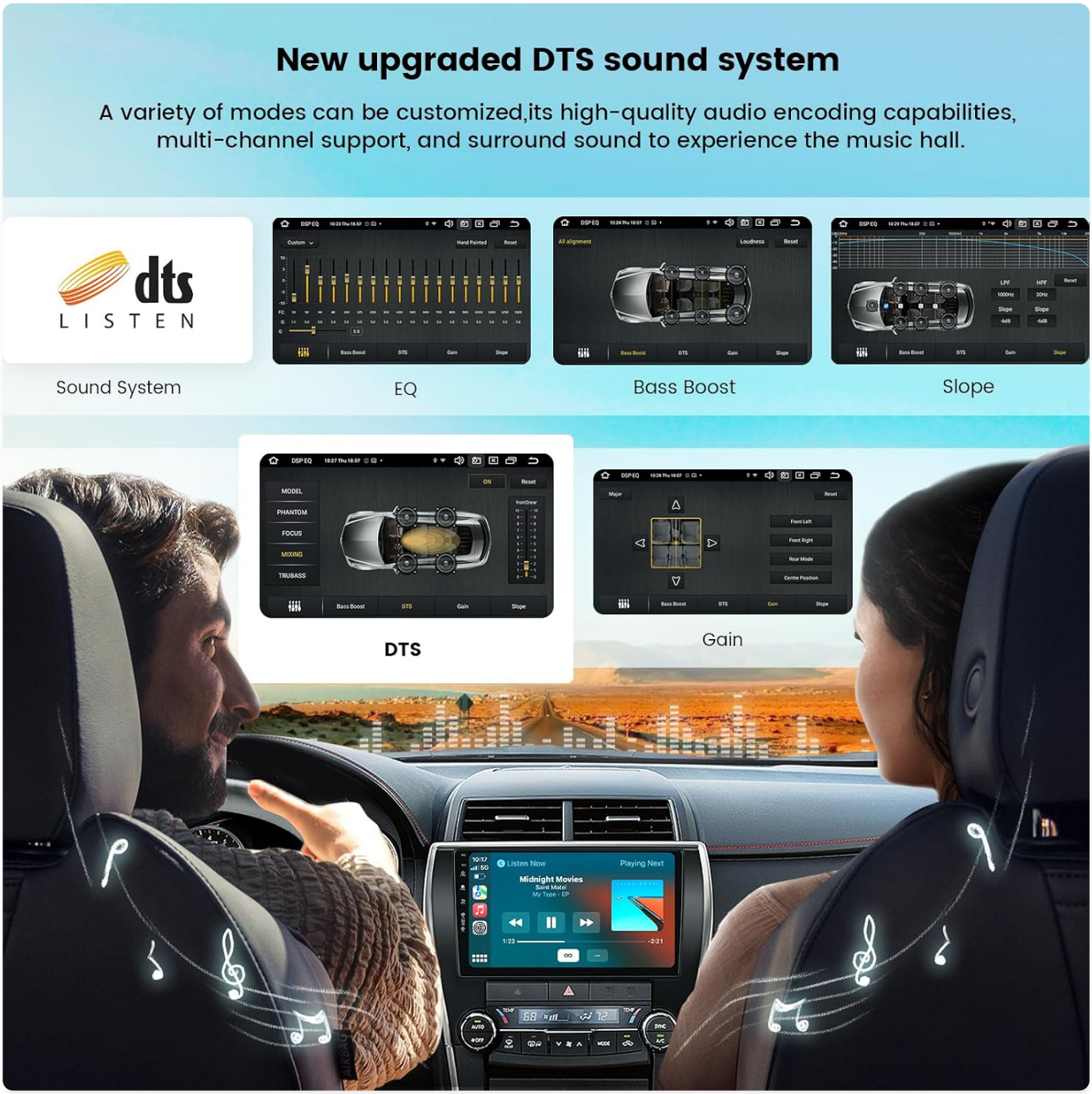
The QLED touch screen provides clear visuals and responsive touch control.



Intelligent day and night switch for clearer and more intuitive viewing.

4.2. Audio Features

Experience enhanced audio with a built-in DSP (Digital Signal Processor) surround sound and 4*50W output. The unit supports various audio adjustments including EQ, Bass Boost, and Slope settings. For external amplifiers with Optical Fiber Digital Input, the unit provides a direct fiber optical output for ultimate sound quality.



Customize your audio experience with the new upgraded DTS sound system.

4.3. Connectivity (Apple CarPlay & Android Auto & Mirror Link)

Stay connected and entertained with integrated Apple CarPlay and Android Auto. Use voice commands (Siri/Hey Google) or the touch screen to make calls, send messages, get directions, and access your favorite streaming services like Spotify and Pandora. Mirror Link functionality allows you to cast your phone's display to the car stereo.

▶ **Watch video online**
Roadanvi Android 12 Camry Stereo for 2015-2017

This video demonstrates the Apple CarPlay and Android Auto features on the Roadanvi Android 12 Camry Stereo.

▶ **Watch video online**

Roadanvi X12 Camry Radio for 2015-2017

This video showcases the various functionalities of the Roadanvi X12 Camry Radio, including its user interface and app capabilities.

4.4. Advanced Navigation

The Roadanvi radio supports both online and offline navigation. You can download offline maps when internet access is available and use them without an internet connection. The 4G SIM card slot allows for on-the-go internet access, providing real-time traffic updates and road alerts.

4.5. Retaining Factory Car Features

The unit is designed to retain essential factory car features, including:

- Steering Wheel Controls
- OEM JBL Amplifier
- Factory Antenna Adapter
- Factory Reverse Camera Functionality



1. Steering Wheel Controls

Retain Factory Car Features

PS: If your original car does not have these features, they will not added





2. Door Open Hint



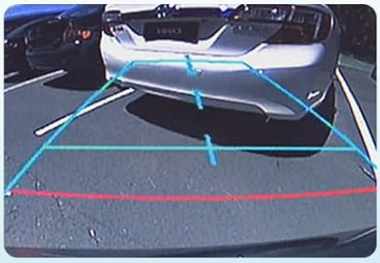
3. Factory Amplifier



4. Factory USB/AUX Port



5. A/C Information



6. Factory Reverse Camera
+Reverse Trajectory



7. 360° Camera + Radar

The Roadanvi unit integrates seamlessly to retain your vehicle's original features.

▶ **Watch video online**

Roadanvi X12 Camry Radio Retain Factory Car Features.

This video demonstrates how the Roadanvi X12 Camry Radio retains and integrates with various factory car features.

5. Maintenance

5.1. Cleaning the Screen

To clean the QLED touch screen, use a soft, lint-free cloth. For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials that could damage the screen.

5.2. Software Updates

Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be found through the device's settings menu or the official Roadanvi support website. Follow the on-screen instructions carefully during the update process.

6. Troubleshooting

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

- **No Power:** Ensure all power cables are securely connected and the car battery is properly reconnected. Check the vehicle's fuse box for any blown fuses related to the radio.
- **No Sound:** Verify that all audio output cables are correctly connected. Check the volume settings on the unit and ensure the DSP settings are configured appropriately. If using an external amplifier, confirm its power and connections.
- **Steering Wheel Controls Not Working:** Confirm the Canbus decoder is correctly installed and connected. Access the unit's settings to configure or recalibrate the steering wheel controls.
- **GPS Signal Issues:** Ensure the GPS antenna is securely connected and placed in a location with an unobstructed view of the sky.
- **Touch Screen Unresponsive:** Try restarting the unit. If the issue persists, perform a factory reset (refer to the settings menu for this option).
- **CarPlay/Android Auto Connection Issues:** Ensure your phone's software is up to date. Try reconnecting the USB cable or re-pairing wirelessly. Check the unit's settings for CarPlay/Android Auto options.

For more detailed troubleshooting or persistent issues, please contact Roadanvi customer support.

7. Specifications

Feature	Specification
Operating System	Android 12
Processor	Unis7862S True Octa-core
RAM + ROM	4GB RAM + 64GB ROM
Screen Size	10.2 Inches
Display Type	QLED Touch Screen
Resolution	1280 x 720
Bluetooth Version	5.0
Connectivity Technologies	Bluetooth, Wi-Fi, 4G LTE
Audio Output Mode	Stereo (with DSP)
Mounting Type	Dashboard Mount

Feature	Specification
Item Weight	6.65 pounds
Package Dimensions	16.85 x 13.58 x 8.07 inches

8. Warranty and Support

For any product inquiries, technical assistance, or warranty claims, please contact Roadanvi Customer Support:

- **Email:** office@roadanvi.com

Please provide your product model and purchase details when contacting support to ensure efficient service.

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