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Roadanvi Roadanvi 10.2 inch Android 12 Car Stereo

Roadanvi 10.2 inch Android 12 Car Stereo User Manual

For Toyota RAV4 Models 2013-2018

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Roadanvi 10.2 inch Android 12 Car Stereo. This unit is specifically designed for Toyota RAV4 models manufactured between 2013 and 2018, offering an integrated multimedia and navigation experience. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Image 1.1: The Roadanvi 10.2 inch Android 12 Car Stereo unit.

2. Product Features

The Roadanvi Car Stereo is equipped with advanced features to enhance your driving experience:

- **Operating System:** Android 12 for a smooth and stable user interface.

- **Processor:** Unis7862S true octa-core processor with high performance.
- **Memory:** 4GB RAM + 64GB ROM for efficient multitasking and storage.
- **Display:** 10.2-inch QLED touch screen with 1280*720 high-resolution and 178° full-viewing angle.
- **Connectivity:** Wireless Apple Carplay & Android Auto, Bluetooth 5.0, WiFi, and 4G LTE SIM card slot.
- **Audio:** Built-in DTS surround sound, 30-band EQ, 4*50W output, and fiber-optical output for external amplifiers.
- **Navigation:** Online and offline GPS navigation with real-time traffic and road alerts.
- **Vehicle Integration:** Retains factory steering wheel controls, reverse camera, OEM JBL amplifier, and factory antenna adapter.
- **Additional Functions:** Day/Night mode for screen brightness, split-screen functionality, and off-road inclinometer (gyroscope).



Image 2.1: Overview of key features including Carplay, Android Auto, QLED display, and processor details.

3. Package Contents

Verify that all components are present in the package before beginning installation:

- Roadanvi Car Stereo Head Unit
- Audio Output Cable
- CAM IN Cable
- SIM Slot Cable
- Dual USB Cable
- GPS Antenna
- Microphone
- 4G Antenna
- User Manual
- Power Cable
- Canbus Decoder
- WiFi Antenna
- USB Adapter

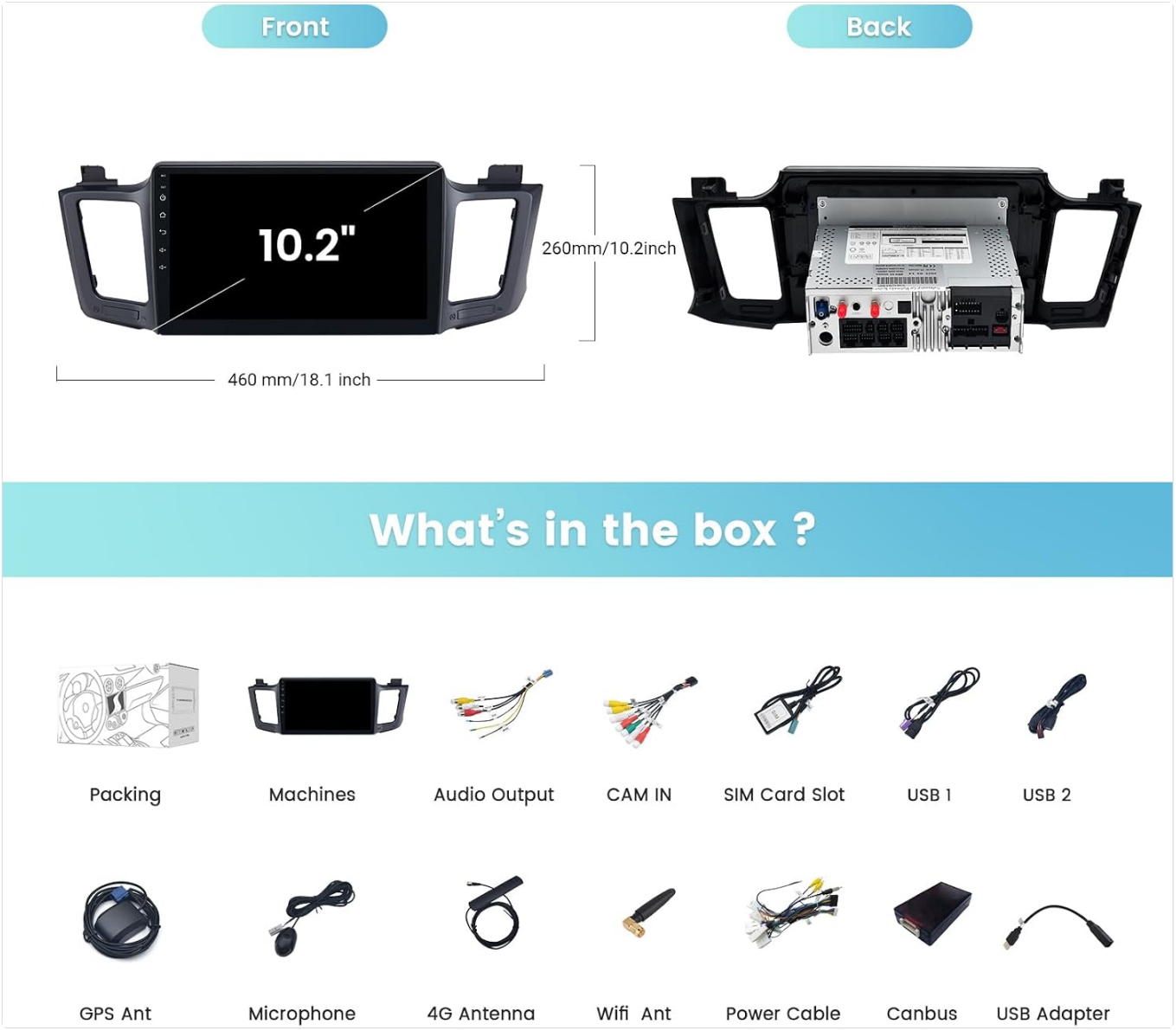


Image 3.1: Visual representation of items included in the package.

4. Installation Guide

4.1 Pre-Installation Notes

- Ensure the vehicle is turned off and the battery is disconnected before starting installation.
- This unit is designed for Toyota RAV4 models from 2013 to 2018. Verify compatibility with your vehicle.
- The installation is plug-and-play, requiring no wire splicing.
- If your original car does not have certain factory features (e.g., specific camera types), the new unit will not add them.

4.2 General Installation Steps

1. Carefully remove the factory head unit and trim panels from your Toyota RAV4. Refer to your vehicle's service manual for specific panel removal instructions.
2. Connect the provided power cable, Canbus decoder, and other necessary harnesses to the vehicle's wiring. Ensure all connections are secure.
3. Connect the GPS antenna, 4G antenna, and WiFi antenna to the corresponding ports on the new head unit. Position antennas in locations with clear signal reception.

4. Connect the CAM IN cable if you are using a reverse camera.
5. Mount the Roadanvi head unit into the dashboard opening.
6. Reconnect the vehicle battery and test the unit's functionality before reassembling the trim panels.
7. Reinstall all trim panels, ensuring they are securely fastened.

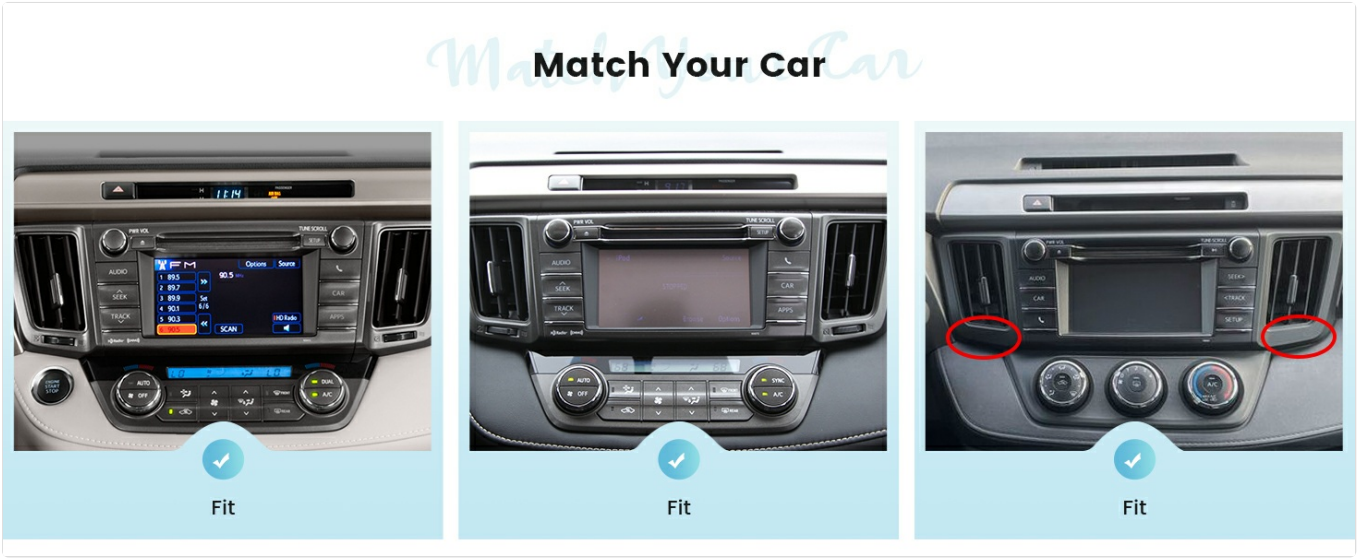


Image 4.1: The Roadanvi Car Stereo installed in a Toyota RAV4 dashboard.

Image 4.2: Diagram illustrating how the unit retains factory car features such as steering wheel controls, amplifier, and reverse camera.

5. Wiring Diagram

The following diagram illustrates the connections for the Roadanvi Car Stereo. Ensure all cables are connected to their correct ports.



Image 5.1: Detailed wiring diagram for the Roadanvi Car Stereo, showing connections for GPS, 4G, WiFi antennas, USB, microphone, and various input/output cables.

Refer to the labels on the cables and the diagram for precise connections. The Canbus decoder is crucial for integrating with vehicle-specific functions like steering wheel controls.

6. Basic Operation

6.1 Power On/Off

Press and hold the power button on the unit or use the vehicle's ignition to turn the stereo on or off.

6.2 Touch Screen Interface

The 10.2-inch QLED touch screen provides an intuitive interface. Tap icons to open applications, swipe to navigate menus, and use pinch-to-zoom gestures where applicable.

6.3 Day and Night Modes

The screen brightness automatically adjusts to day and night modes to reduce eye strain. This setting can also be manually configured in the system settings.

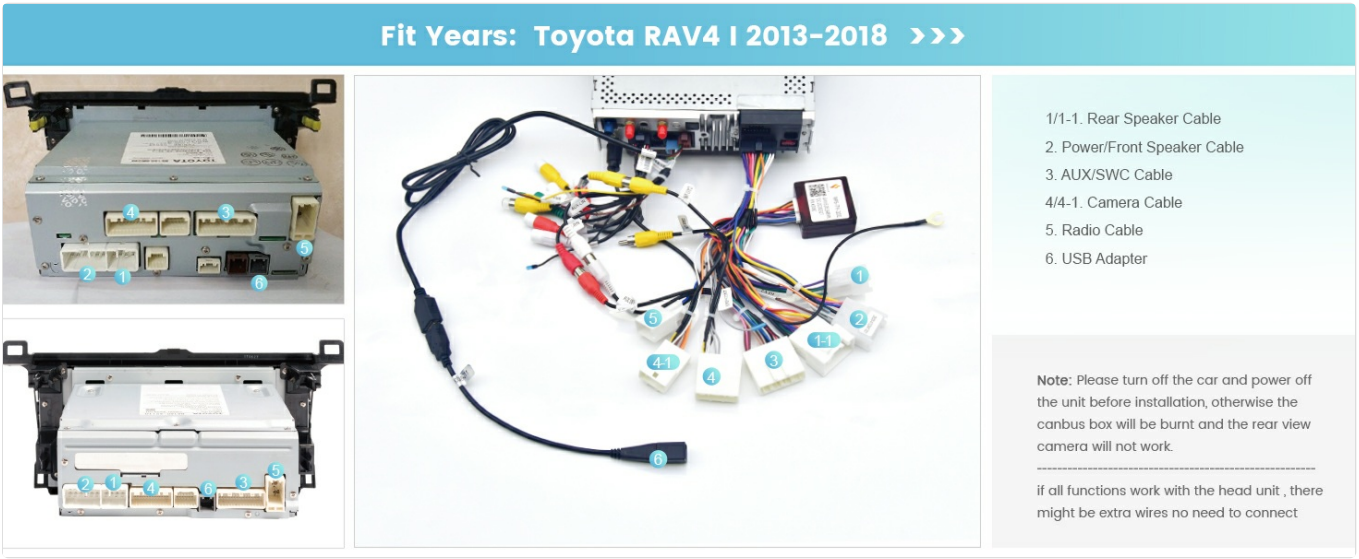


Image 6.1: Illustration of the automatic day and night mode adjustment for screen brightness.

7. Advanced Features

7.1 Wireless Apple Carplay & Android Auto

Connect your smartphone wirelessly to access navigation, make calls, send messages, and play music through the car stereo interface. Use voice commands via Siri or Google Assistant for hands-free operation.

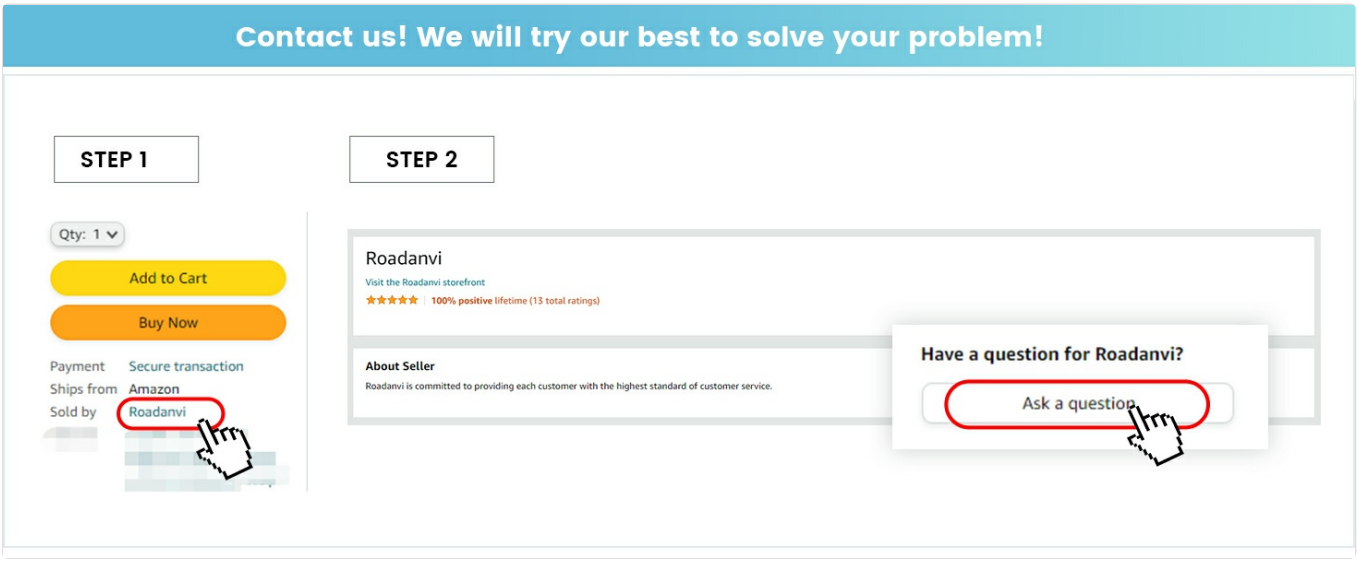


Image 7.1: Display showing the Wireless Apple Carplay and Android Auto interface.

7.2 Bluetooth 5.0

Pair your mobile device via Bluetooth for hands-free calling and audio streaming. Bluetooth 5.0 ensures faster transmission speeds and a more stable connection.



Image 7.2: Bluetooth 5.0 functionality for calls and music streaming.

7.3 GPS Navigation

Utilize online navigation for real-time traffic updates and point-of-interest searches. Offline navigation is also available, allowing you to navigate without an internet connection.



Image 7.3: Navigation interface showing online and offline map capabilities.

7.4 4G LTE Connectivity

Insert a 4G SIM card (not included) into the dedicated slot to enable internet access directly on the head unit. This allows for online navigation, streaming, and app downloads.

- Ensure the engine is turned off before inserting or removing the SIM card.
- Only standard SIM cards are supported; Micro SIM and Nano SIM cards are not compatible.



Image 7.4: Instructions for inserting a 4G SIM card into the unit.

7.5 Off-Road Inclinometer

The built-in gyroscope monitors the vehicle's tilt and pitch angles, providing data to the stability control system for improved driving safety, especially in off-road conditions.



Image 7.5: Display showing the off-road inclinometer with tilt and pitch angles.

8. Sound Settings

The Roadanvi Car Stereo features DTS surround sound and a 30-band equalizer (EQ) for customizable audio output. You can connect an external amplifier via the fiber-optical output for enhanced sound quality.

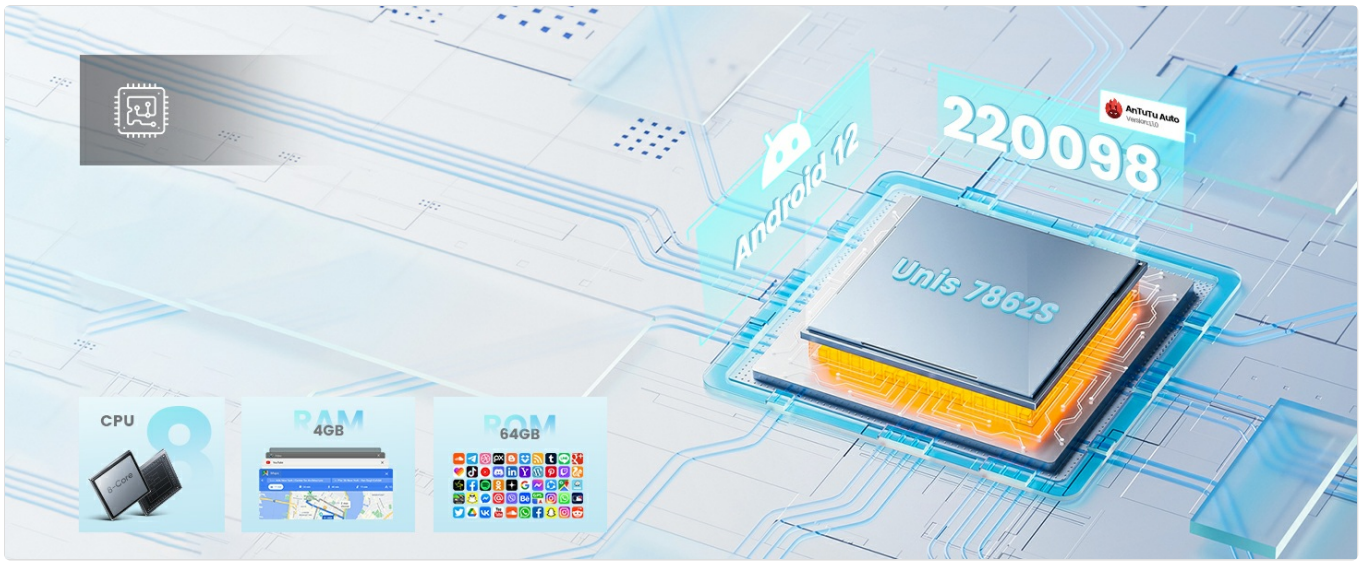


Image 8.1: Interface for DTS sound settings and 30-band equalizer.

9. Troubleshooting

This section addresses common issues you might encounter with your Roadanvi Car Stereo.

- **No Power:**
  - Check all power cable connections.
  - Ensure the vehicle battery is properly connected and charged.
  - Verify the vehicle's fuse for the stereo is intact.
- **No Sound or Poor Sound Quality:**
  - Check speaker wire connections.
  - Verify audio settings, including volume, balance, fader, and EQ.
  - If using an external amplifier, ensure it is powered and correctly connected.
  - Perform a factory reset if sound issues persist after a software update.
- **Steering Wheel Controls Not Working:**
  - Ensure the Canbus decoder is correctly installed and connected.
  - Check the steering wheel control settings within the stereo's interface.
  - If the issue occurred after a software update, a factory reset might be necessary.
- **Bluetooth Connection Issues:**
  - Ensure Bluetooth is enabled on both the stereo and your mobile device.
  - Delete previous pairings and attempt to re-pair the device.
  - Move the mobile device closer to the stereo to rule out range issues.
- **GPS Signal Loss:**
  - Ensure the GPS antenna is securely connected and placed in a location with a clear view of the sky.
  - Check GPS settings in the stereo's menu.
- **Screen Unresponsive:**
  - Perform a soft reset by pressing the reset button (if available) or by turning the vehicle off and on.

- If the screen is completely frozen, disconnect the battery for a few minutes and reconnect.

10. Specifications

Feature	Specification
Item Weight	6.1 pounds
Package Dimensions	18.8 x 8.5 x 8 inches
Display Size	10.2 Inches
Operating System	Android 12
Processor	Unis7862S Octa-Core
RAM	4GB
ROM	64GB
Screen Resolution	1280*720 (QLED)
Connectivity Technology	Bluetooth 5.0, WiFi, 4G LTE
Audio Output Mode	Stereo (DTS Surround Sound)
Mounting Type	Dashboard Mount
Vehicle Service Type	Car (Toyota RAV4 2013-2018)

11. Warranty Information

The Roadanvi Car Stereo comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.
Extended protection plans are available for purchase separately:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly subscription covering multiple eligible purchases)

For details on protection plans, please refer to the product listing or contact customer support.

12. Customer Support

If you encounter any issues or have questions regarding your Roadanvi Car Stereo, please contact our customer support team. We are committed to providing assistance and resolving any problems you may experience.

Email: office@roadanvi.com
You can also reach out through the seller contact option on the platform where you purchased the product.

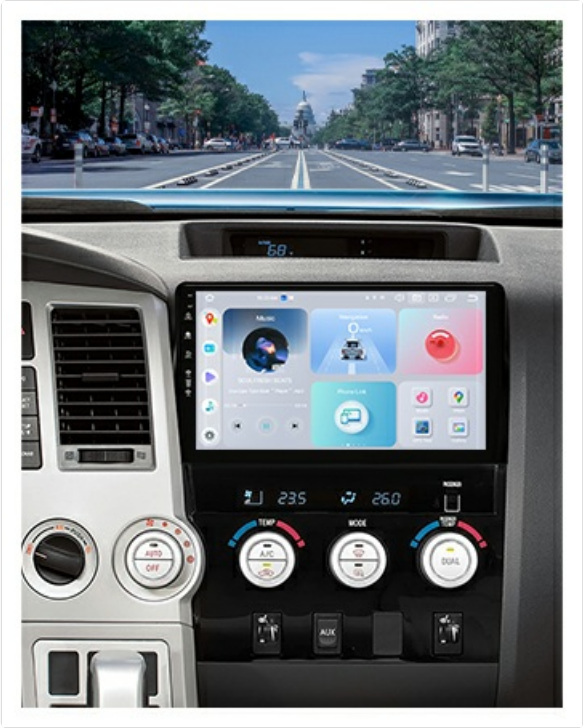


Image 12.1: Visual guide for contacting customer support via the seller page.

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

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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

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