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› AINAVI Car Navigation Device for Toyota RAV4 (2006-2011) - User Manual

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AINAVI Car Navigation Device User Manual

Model: AINAVI Car Navigation Device for Toyota RAV4 (2006-2011)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AINAVI Car Navigation Device. Designed specifically for Toyota RAV4 models from 2006 to 2011, this unit offers advanced features including a 9-inch QLED touchscreen, wired/wireless CarPlay and Android Auto, voice control, and GPS navigation. Please read this manual thoroughly before use to ensure proper functionality and safety.



Image: The AINAVI Car Navigation Device, showcasing its main interface, a rear view camera, and a smartphone displaying CarPlay and Android Auto.

SAFETY INFORMATION

- Always ensure the vehicle is parked safely before operating the device's advanced features or making significant setting changes.
- Do not attempt to install or service the device if you are not familiar with automotive electrical systems. Professional installation is recommended.
- Keep the screen clean and free from obstructions to maintain clear visibility.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Use only approved accessories and cables to prevent damage and ensure optimal performance.

WHAT'S INCLUDED

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

- Car Head Unit (1280*720) with Frame for Toyota RAV4 (2006-2011) x1

- User Manual x1
- Power Cable x1
- Microphone x1
- Blue Frame Removal Tool x1
- GPS Antenna x1
- USB 4Pin x1
- USB 6Pin x1
- AHD 1080P Rear View Camera x1
- RCA Cable (not explicitly listed in whats_in_the_box but shown in diagram)

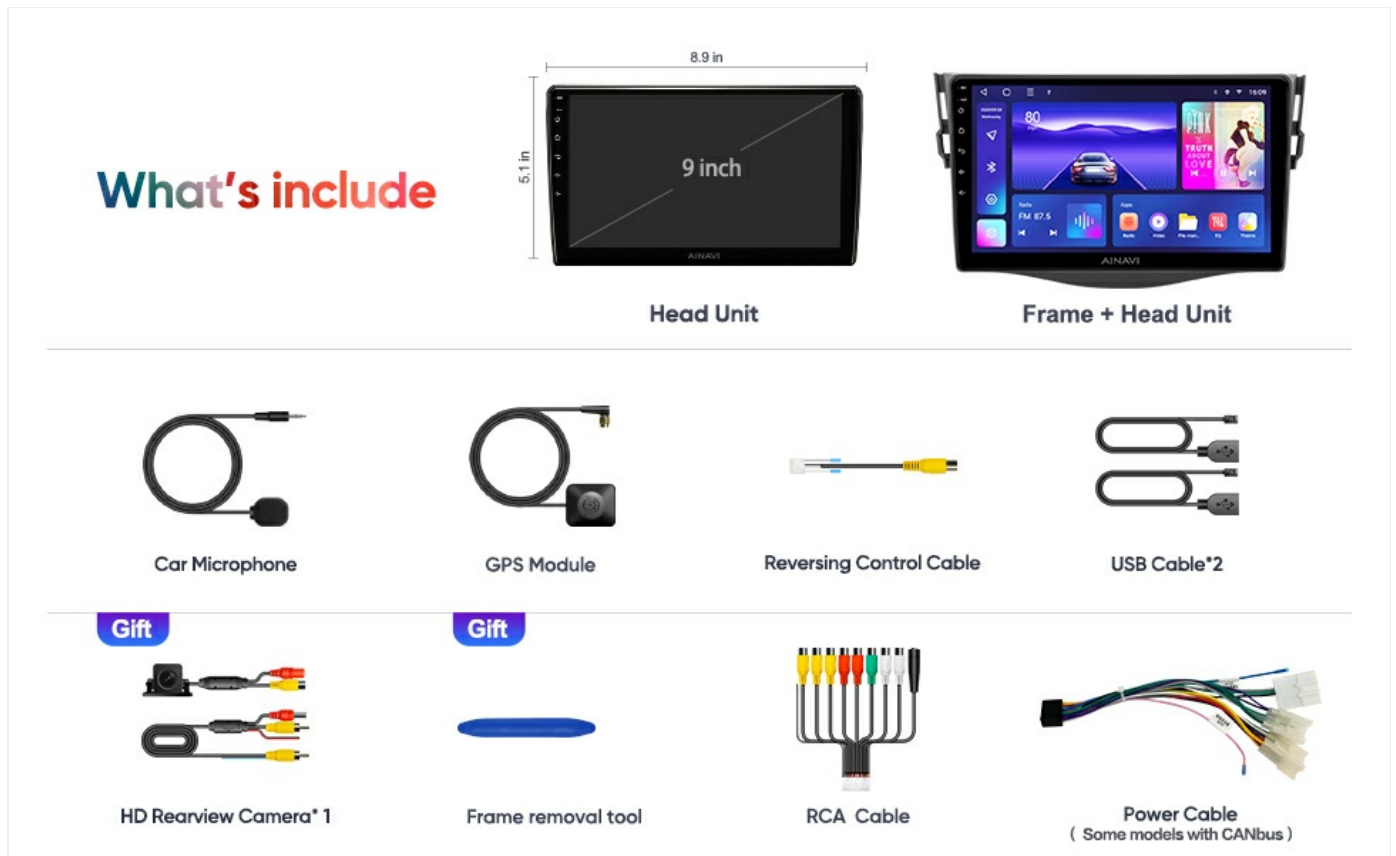


Image: A visual representation of all items included in the product package, such as the head unit, various cables, and accessories.

SETUP AND INSTALLATION

The AINAVI Car Navigation Device is designed for direct fitment in Toyota RAV4 models from 2006 to 2011. While the harnesses are plug-and-play, basic mechanical skills are required for installation. If your vehicle has a JBL sound system, a specific JBL cable (ASIN: B0BRFHH8D4) is required and must be purchased separately.

Installation Steps (General)

1. **Preparation:** Ensure the vehicle's battery is disconnected before starting any electrical work.
2. **Remove Old Unit:** Carefully remove the existing car stereo and trim panels using the provided frame removal tool.
3. **Connect Wiring:** Connect the new head unit's power cable, USB cables (4-pin and 6-pin), GPS antenna, and microphone. If installing the rear view camera, route its cable to the back of the vehicle and connect it.
4. **Secure Unit:** Mount the new head unit into the dashboard opening, ensuring it is securely fastened.
5. **Test Functionality:** Reconnect the battery and test all functions of the new unit, including audio, navigation, CarPlay/Android Auto, and the rear view camera.

6. **Reassemble:** Reinstall all trim panels and ensure a neat finish.

AINAVI 6th Generation Upgraded Car Radio

Before



After



High Definition



Night Vision



Wide Angle



Waterproof

AHD

Image: A comparison showing the original car stereo setup versus the upgraded AINAVI unit installed in a Toyota RAV4 dashboard, highlighting the improved aesthetic and display.

OPERATING INSTRUCTIONS

Touchscreen Interface

The 9-inch QLED touchscreen provides a high-resolution visual experience (1280*720). Navigate through menus and applications by tapping, swiping, and pinching. The interface is intuitive and designed for ease of use while driving.



Image: The AINAVI unit integrated into a car's dashboard, displaying its user interface with various applications and features.

CarPlay & Android Auto

Connect your smartphone via wired or wireless connection to access Apple CarPlay or Android Auto. This allows seamless integration of your phone's navigation, music, messaging, and voice assistant features directly on the car stereo display.

Built-in DSP & 48 EQ

Adjustable sound field, effects, surround sound and more, making the bass fuller, the treble smoother and the midrange richer.



Image: The car stereo screen showing the CarPlay interface, demonstrating wired and wireless connectivity options for both Apple and Android devices.

Navigation (GPS)

The device supports most satellite services and features 5G WiFi for accurate real-time navigation. Utilize Google Maps for 2D and 3D perspectives, various route options (driving, cycling, pedestrian), obstacle alerts, and voice guidance.

Audio Features (DSP & EQ)

Experience enhanced sound quality with the built-in 48-band EQ and professional DSP. Customize your audio experience with various scene modes (Normal, Jazz, Heavy Metal, Pop, Classical), surround sound patterns, bass boost, and individual speaker volume control. The unique voice point touch control allows you to adjust the sound field based on seating position.

Wired&Wireless Carplay Wired Android Auto



+



Android Auto

For iPhone, you can use wired&wireless Carplay.
For Android smart phone, you can use the wired Android Auto.



Image: The digital sound processing (DSP) and equalizer (EQ) interface of the AINAVI unit, illustrating the extensive audio customization options available.

Connectivity (WiFi & Bluetooth)

Equipped with 2.4GHz and 5GHz WiFi for faster network speeds and a smooth app environment. Bluetooth 5.0 ensures stable and smooth data transmission for hands-free calling and audio streaming.

Split Screen Function

Utilize the split-screen feature to run two applications simultaneously, such as navigation and a media player. The 8-core processor ensures smooth synchronization without lag.

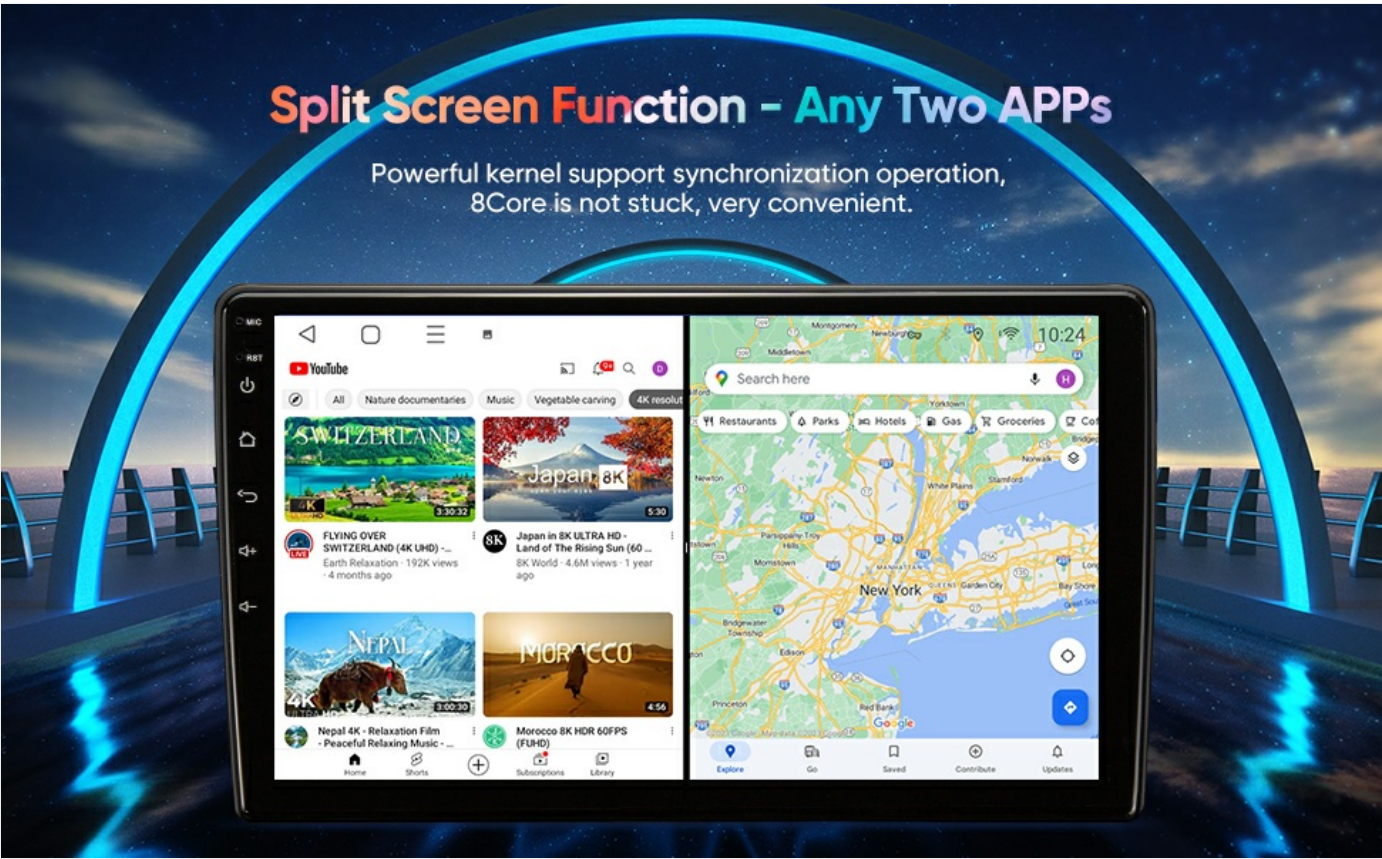


Image: The split-screen feature in action, showing two applications running concurrently on the display.

Rear View Camera

The included AHD 1080P rear view camera provides high-definition reversing scenes with an astern ruler line for precise positioning. If your car supports astern trajectory, it will also be displayed on the screen.

USB to RCA Output

The USB to RCA output function allows for independent video playback on multiple screens, providing entertainment for backseat passengers. This requires connecting a headrest monitor via ASIN: B0CCV2GC25.

MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **General Care:** Keep the unit free from dust and debris. Ensure all connections are secure.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Follow the on-screen prompts or instructions provided by AINAVI for updates.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Loose power connection; Blown fuse; Vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Verify vehicle battery health.

Problem	Possible Cause	Solution
No sound from speakers	Volume too low; Mute activated; Speaker wiring issue; DSP settings.	Increase volume. Check mute status. Verify speaker connections. Adjust DSP/EQ settings.
GPS signal lost or inaccurate	GPS antenna obstructed or disconnected; Poor satellite reception.	Ensure GPS antenna has clear view of sky and is securely connected. Move to an open area.
CarPlay/Android Auto not connecting	Incorrect USB cable; Phone settings; Software glitch.	Use original or certified USB cable. Check phone's CarPlay/Android Auto settings. Restart phone and head unit.
Touchscreen unresponsive	Temporary software issue; Screen damage.	Restart the head unit. If issue persists, contact support.

SPECIFICATIONS

Feature	Detail
Display Size	9 Inches
Resolution	720 x 1280 (QLED)
Processor	8-Core CPU
RAM	3GB
ROM	32GB
Connectivity	Bluetooth 5.0, FM+AUX, Wi-Fi (2.4GHz & 5GHz), Wireless/Wired CarPlay & Android Auto, USB, Android Mirroring+Airplay
Audio Output Mode	Surround Stereo
Equalizer	48-band EQ with DSP
Mounting Type	Dashboard Mount
Item Weight	3.8 pounds
Package Dimensions	15.78 x 9.92 x 5.39 inches

WARRANTY

The AINAVI Car Navigation Device comes with a **12 Months Manufacturer Guarantee** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical assistance, installation support, or any inquiries regarding your AINAVI Car Navigation Device, our professional technical support team is available. Please contact us freely, and we will reply to you as soon as possible. We offer 24-hour engineer pre-sale and after-sale services.

For further information, you may also visit the official AINAVI Store:[AINAVI Store on Amazon](#)

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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