AINAVI RM

AINAVI Car Stereo User Manual

Model: RM - For Toyota Tacoma 2005-2015

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AINAVI QLED Touch Screen Car Stereo. This head unit is designed as a replacement for Toyota Tacoma models from 2005 to 2015, offering advanced features such as Android 12, Wireless CarPlay, Android Auto, GPS Navigation, 5G WiFi, and a 48-band EQ FM Radio.
Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your driving experience.

2. KEY FEATURES

- **Operating System:** Android 12

- **Memory & Storage:** 3GB RAM + 32GB ROM for smooth multitasking and ample app storage.

- **Display:** 9-inch QLED Touch Screen with 1280x720 resolution, offering enhanced color accuracy, brightness, and contrast. Supports 1080P video playback.

- **Connectivity:** Wireless CarPlay, Android Auto, 5G WiFi (2.4GHz & 5GHz), Bluetooth, USB.

- **Navigation:** Built-in GPS module supporting various satellite services and map software (e.g., Google Maps).

- **Audio:** 48-band Equalizer (EQ) with DSP (Digital Sound Processor) for customizable sound profiles, including Normal, Jazz, Pop, Classical, Heavy Metal, Vocal, and Soft. Features 6 kinds of Surround Sound patterns and Bass Boost.

- **Rear View Camera Support:** Compatible with 1080P HD rearview cameras, providing clear reversing scenes and astern ruler lines.

- **User Interface:** Split Screen Mode, Steering Wheel Control compatibility, Smart Voice Control (Siri, Google Assistant).

- **Panel Lighting:** 7 color button lights for customizable ambiance.

3. SETUP AND INSTALLATION

Installation of the AINAVI car stereo requires careful attention to detail. It is recommended to consult a professional if you

are unfamiliar with car audio installations. Ensure the vehicle's battery is disconnected before beginning any electrical work.

3.1 Package Contents

Verify that all components are present in the package:

- 9-inch Head Unit

- Frame + Screen assembly

- Power cable (some models with CANbus)

- RCA cable

- Car microphone

- GPS module

- 2x USB cables

- Reversing control cable

- 1080P Rear view camera

- Frame removal tool

Note: The cables included may vary slightly by model. Refer to the actual cable received.

Image: The AINAVI 9-inch car stereo head unit, showing the main display, a rearview camera, and a smartphone displaying Android Auto and CarPlay logos. This image illustrates the primary components and key features of the product.

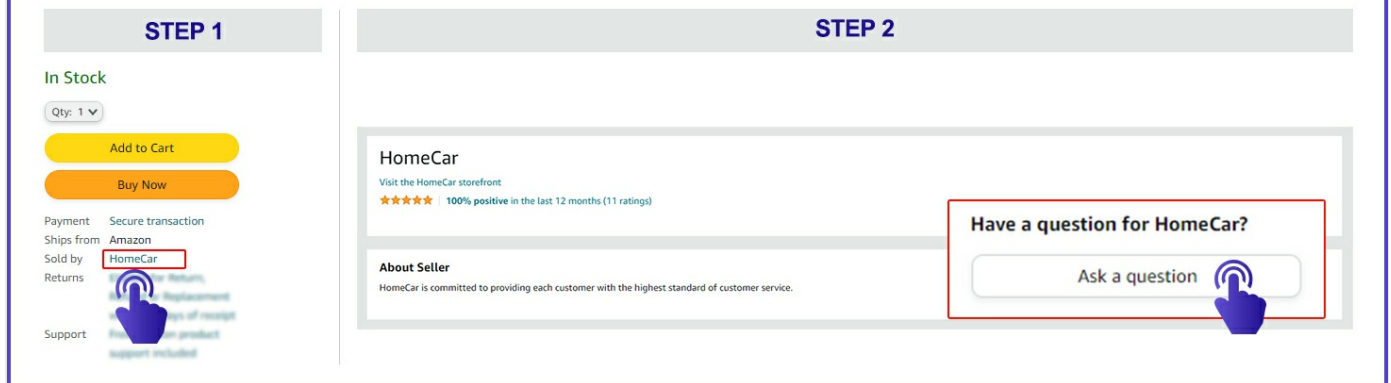# How to ask help for installation support?

STEP 1	STEP 2

STEP 1

In Stock

Qty: 1 ⌄

Add to Cart

Buy Now

Payment   Secure transaction
Ships from Amazon
Sold by   HomeCar
Returns

Support

STEP 2

HomeCar
Visit the HomeCar storefront
★★★★★ | **100% positive** in the last 12 months (11 ratings)

About Seller
HomeCar is committed to providing each customer with the highest standard of customer service.

Have a question for HomeCar?

Ask a question

Image: A detailed diagram illustrating all components included in the AINAVI car stereo package, such as the head unit, power cables, RCA cables, microphone, GPS module, USB cables, reversing control cable, rearview camera, and frame removal tool. This helps users verify package contents.

3.2 Pre-Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.

2. **Remove Old Head Unit:** Use the provided frame removal tool or appropriate automotive tools to carefully remove the existing radio and trim panels from your Toyota Tacoma dashboard.

3. **Inspect Wiring:** Familiarize yourself with the vehicle's existing wiring harness. Compare it with the provided power cable and RCA cables.

Image: A side-by-side comparison showing the car dashboard before and after the installation of the AINAVI car stereo. The top image displays the original factory radio, while the bottom image shows the new 9-inch QLED touch screen seamlessly integrated into the dashboard of a Toyota Tacoma.

3.3 Wiring Connections

Connect the cables as follows:

- **Power Cable:** Connect the main power harness from the new head unit to the vehicle's wiring harness. Ensure all connections are secure.

- **RCA Cables:** Connect RCA cables for audio output to external amplifiers if applicable.

- **GPS Module:** Connect the GPS module and place it in a location with a clear view of the sky (e.g., on the dashboard near the windshield).

- **USB Cables:** Route the USB cables to a convenient location for connecting external devices.

- **Microphone:** Connect the external microphone for hands-free calling and voice commands. Position it optimally for

clear audio capture.

- **Rear View Camera:** Connect the rearview camera cable to the designated input on the head unit. Ensure the camera is properly mounted and wired for power and signal.

- **Steering Wheel Control (SWC):** If your vehicle supports SWC, connect the SWC wires according to your vehicle's wiring diagram. Configuration may be required in the unit's settings.
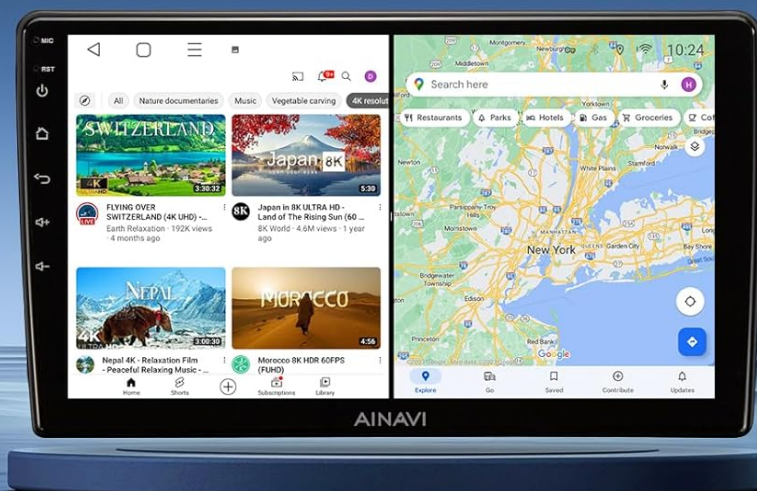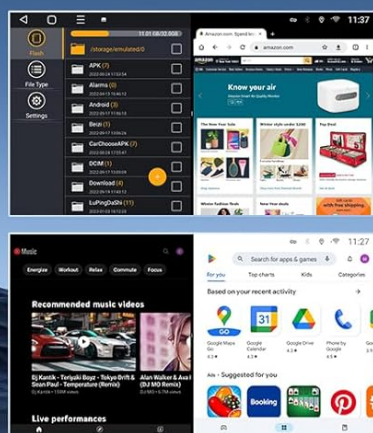
Image: The AINAVI car stereo displaying its split-screen functionality, with a navigation map on one side and media controls on the other. Below, a close-up shows the steering wheel controls, indicating compatibility and ease of access for various functions.

3.4 Mounting the Unit

1. Carefully slide the new head unit into the dashboard opening.

2. Secure the unit using the appropriate mounting brackets and screws.

3. Reinstall all trim panels, ensuring they snap securely into place.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Basic Navigation

- **Power On:** Turn the vehicle's ignition to the ACC or ON position. The unit will power on automatically.

- **Power Off:** Turn the vehicle's ignition to the OFF position. The unit will power off.

- **Home Screen:** Tap the **Home** icon on the screen to return to the main interface.

- **Volume Control:** Adjust volume using the on-screen controls or steering wheel buttons.

4.2 Wireless CarPlay and Android Auto

The unit supports both wireless CarPlay and Android Auto for seamless smartphone integration.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.

2. On the car stereo, navigate to the CarPlay/Android Auto application.

3. Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will automatically establish a Wi-Fi connection for CarPlay/Android Auto.

Image: A visual comparison demonstrating the user interfaces of Apple CarPlay (left) and Android Auto (right) as displayed on the AINAVI car stereo. Both interfaces show common applications like Phone, Music, Maps, and Messages, highlighting the seamless integration with iOS and Android devices.

4.3 GPS Navigation

The built-in GPS module provides accurate navigation services.

1. Tap the **Navigation** icon on the home screen.

2. Select your preferred navigation application (e.g., Google Maps).

3. Enter your destination using the on-screen keyboard or voice command.

4. The system will provide turn-by-turn directions and real-time traffic updates (requires internet connection via 5G WiFi).

Image: The AINAVI car stereo screen showing a detailed GPS navigation map. The map displays a route, current location, estimated arrival time, and traffic information, demonstrating the unit's navigation capabilities within a car dashboard setting.

4.4 Audio Settings (DSP & EQ)

Customize your audio experience using the Digital Sound Processor (DSP) and 48-band Equalizer.

1. Access the **EQ** or **DSP** application from the home screen.

2. Adjust the 48 frequency bands to fine-tune the sound.

3. Select from preset sound modes (Normal, Jazz, Pop, Classical, Heavy Metal, Vocal, Soft).

4. Configure Surround Sound patterns and Bass Boost as desired.

5. Adjust individual speaker volumes and voice point positions for optimal sound staging.

Image: The AINAVI car stereo displaying its advanced audio settings, including a 48-band equalizer and Digital Sound Processor (DSP) controls. The screen shows options for adjusting frequency bands, surround sound, and individual speaker levels, allowing for detailed audio customization.

4.5 Split Screen Mode

Multitask by running two applications simultaneously in split screen mode.

1. Open the first application you wish to use.

2. Tap and hold the **Recent Apps** button (usually a square icon) or swipe up from the bottom and hold (depending on Android version).

3. Drag the first app to one side of the screen.

4. Select the second application from the recent apps list or app drawer to fill the other side.

Split Screen and Mirroring

Image: The AINAVI car stereo showcasing its split-screen functionality, with two different applications (e.g., YouTube and a map) displayed side-by-side. This image highlights the multitasking capabilities of the head unit.

4.6 Rear View Camera

When the vehicle is shifted into reverse, the display will automatically switch to the rearview camera feed.

- The 1080P HD camera provides a clear view of the area behind your vehicle.
- Dynamic or static ruler lines may be displayed to assist with parking and judging distance.

HD 1080P Touch Screen

Better color accuracy

Better brightness

Higher contrast

2.5D touchscreen

1280*720 resolution

178° viewing angles

1080P video playback

Image: The AINAVI car stereo displaying the feed from a 1080P rearview camera, showing a clear view behind the vehicle with parking guidelines. An inset image shows the camera itself, emphasizing its waterproof and wide-angle features.

4.7 Wi-Fi and Bluetooth Connection

Connect to Wi-Fi for internet access and Bluetooth for audio streaming and hands-free calls.

1. **Wi-Fi:** Go to Settings > Network & Internet > Wi-Fi. Select your desired network and enter the password.
2. **Bluetooth:** Go to Settings > Connected devices > Pair new device. Select your phone from the list and confirm the pairing code.
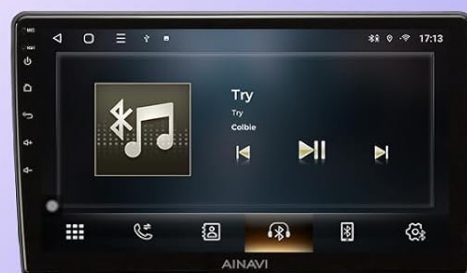
Image: The AINAVI car stereo screen demonstrating its Wi-Fi and Bluetooth connection capabilities. The image shows a phone dial pad on the stereo screen for Bluetooth calls and a separate section for Wi-Fi connection settings, indicating support for online music and navigation.

4.8 Smart Voice Control

Activate voice assistants like Siri or Google Assistant for hands-free operation.

- Simply say "Hey Siri" or "Hey Google" or press the voice command button on the screen/steering wheel.

- Use voice commands for navigation, making calls, sending messages, playing music, and more.
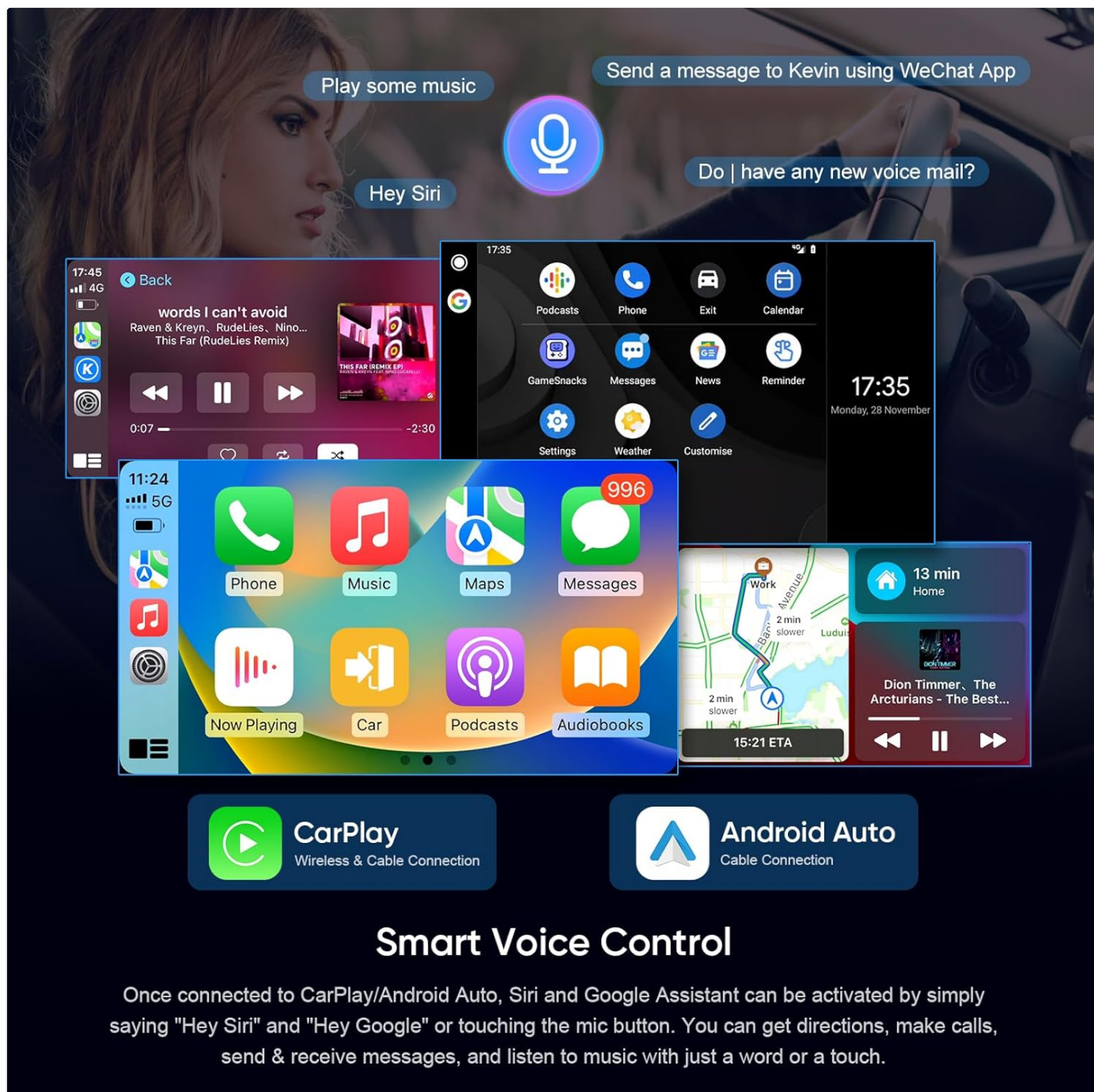
Image: The AINAVI car stereo illustrating its smart voice control features. The image shows examples of voice commands for Siri and Google Assistant, such as playing music or asking about voicemails, along with various app icons accessible via voice.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touch screen. For stubborn smudges, dampen the cloth slightly with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.

- **Software Updates:** Periodically check for software updates via the unit's settings menu or the manufacturer's website. Updates can improve performance and add new features.

- **System Reset:** If the unit becomes unresponsive, a soft reset can often resolve the issue. Refer to the troubleshooting section for instructions.

- **Environmental Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection. Blown fuse. Vehicle battery issue.	Check all power cable connections. Inspect and replace any blown fuses in the vehicle or unit's wiring. Ensure vehicle battery is charged and connected.
No sound from speakers.	Volume too low or muted. Incorrect wiring of speakers. DSP/EQ settings misconfigured.	Increase volume and check mute status. Verify speaker wiring connections. Reset DSP/EQ settings to default.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone. Incorrect pairing. Software glitch.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Delete existing pairings on both devices and re-pair. Restart the car stereo unit.
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly placed. Outdated map data.	Relocate GPS antenna to a clear line of sight (e.g., dashboard). Ensure unit has internet access for real-time data.
Touch screen unresponsive.	Temporary software freeze. Physical damage.	Perform a soft reset (press and hold power button for 10 seconds). If issue persists, contact customer support.

7. SPECIFICATIONS

Feature	Detail
Model Name	RM
Operating System	Android 12
RAM	3GB
ROM	32GB
Display Size	9 Inches
Display Resolution	1280 x 720 (HD)

Feature	Detail
Connectivity Technology	Bluetooth, USB, Wi-Fi (2.4GHz & 5GHz)
Special Features	Wireless CarPlay, Android Auto, GPS Navigation, 48-EQ DSP, Rearview Camera Support, Steering Wheel Control (SWC)
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	4.44 pounds
Package Dimensions	12.99 x 12.71 x 5.63 inches

8. WARRANTY INFORMATION

The AINAVI QLED Touch Screen Car Stereo comes with a **12-Month Manufacturer's Guarantee**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official AINAVI website or contact customer support.

9. CUSTOMER SUPPORT

For technical assistance, installation support, or any inquiries regarding your AINAVI product, please contact our professional technical support team.

- **Phone Support:** +1 (833) 858-5016
- **Working Hours:** 01:00 PM to 00:00 AM PST
- **Email Support:** info@ainavi.com
- **Online Support:** You can also seek help via your order center on Amazon by clicking "Ask a question" to the seller.

Image: A graphic displaying AINAVI customer support contact details, including a phone number (+1 (833) 858-5016), working hours (01:00 PM to 00:00 AM PST), and an email address (info@ainavi.com). It also mentions seeking help via the Amazon order center.

Related Documents

[KL 203 Linear Amplifier: Technical Specifications and Usage Guide](#)
Detailed information on the RM KL 203 linear amplifier, including technical specifications, operating frequency, power requirements, and important usage warnings. Covers CE compliance and connection guidelines.

[RM SPI 740 E WOK Induction Cooker Instruction Manual](#)
Comprehensive instruction manual for the RM SPI 740 E WOK commercial induction electric cooking range on an open cabinet. Covers installation, operation, safety, and maintenance procedures.

[RM FTHC 704 G Fry-Top Griddle Plate Instruction Manual](#)
Comprehensive instruction manual for the RM FTHC 704 G smooth chromed fry-top griddle plate, covering installation, operation, safety, and maintenance for professional use.

[RM 03 Macro Photography LED Light - Technical Specifications and Overview](#)
Discover the RM 03 Macro Photography LED Light, a versatile and powerful lighting solution for detailed close-up photography. Explore its adjustable brightness, color temperature, high CRI, and compact design for professional macro results.