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AINAVIGO tacoma 2G+32G

AINAVIGO 9-inch Car Radio Stereo User Manual

Model: tacoma 2G+32G for Toyota Tacoma (2005-2015)



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AINAVIGO 9-inch Car Radio Stereo. This unit is designed for compatibility with Toyota Tacoma models manufactured between 2005 and 2015.

1.1 Applicable Models

- Toyota Tacoma (2005-2015)

1.2 Key Features

- Android 12.0 Operating System
- 9-inch IPS Touch Screen (1280*720 resolution)
- 2GB RAM + 32GB ROM for smooth operation
- Wired/Wireless CarPlay & Android Auto support
- Integrated GPS Navigation with North American maps
- Bluetooth 5.0 for hands-free calling and audio streaming
- FM/RDS Radio tuner
- AHD 1080P Backup Camera support (camera included)
- 5G WiFi connectivity for online access
- Steering Wheel Control compatibility
- Split Screen Functionality
- Voice Control support



Image 1.1: AINAVIGO 9-inch Car Radio Stereo main unit with its user interface.

2. WHAT'S INCLUDED

Please verify that all the following components are present in your package:

- Touchscreen Head Unit
- Custom Installation Frame for Toyota Tacoma
- HD 1080P Rear View Camera
- External Microphone
- USB Cables (x2)
- Power Cable & CANbus Decoder (Special Harness)
- GPS Module
- Reversing Control Cable
- RCA Cable
- Frame Removal Tool



Image 2.1: All components included in the AINAVIGO car stereo package.

3. SETUP & INSTALLATION

Professional installation is recommended. If performing self-installation, ensure the vehicle's battery is disconnected before starting. Refer to your vehicle's service manual for specific dashboard removal procedures.

3.1 Pre-Installation Check

- Confirm the stereo's compatibility with your Toyota Tacoma (2005-2015).
- Unpack all components and verify against the 'What's Included' list.

3.2 Wiring Connections

1. **Disconnect Battery:** Always disconnect the negative terminal of your vehicle's battery before beginning any electrical work.
2. **Remove Old Unit:** Carefully remove the factory radio and dashboard trim using the provided frame removal tool.
3. **Connect Main Harness:** Connect the special harness (Power Cable & CANbus Decoder) to the vehicle's wiring. Ensure all connections are secure.
4. **Connect GPS Module:** Attach the GPS module and route its cable to a location with a clear view of the sky (e.g., dashboard corner).
5. **Connect USB Cables:** Route the USB cables to a convenient location, such as the glove compartment or center console.
6. **Connect External Microphone:** Plug in the external microphone and position it for optimal voice pickup (e.g., near the sun visor).
7. **Connect RCA Cables:** If using external amplifiers or other audio/video accessories, connect the RCA cables as needed.

3.3 Backup Camera Installation

1. **Mount Camera:** Install the AHD 1080P rear view camera at the rear of your vehicle, ensuring a clear view.
2. **Route Cable:** Carefully route the camera's video cable from the rear to the dashboard area.
3. **Connect Video Input:** Connect the camera's video output to the designated 'CAM IN' input on the stereo.
4. **Connect Trigger Wire:** Connect the camera's reverse trigger wire (often labeled 'BACK' or 'REVERSE') to the vehicle's reverse light power wire. This signals the stereo to display the camera feed when reversing.

3.4 Final Mounting

1. **Test Connections:** Before fully securing the unit, temporarily reconnect the battery and power on the stereo to test basic functions (power, audio, camera, GPS).
2. **Secure Unit:** Once tested, carefully install the head unit and custom frame into the dashboard opening.
3. **Reconnect Battery:** Reconnect the vehicle's battery.



Image 3.1: Before and after installation of the AINAVIGO car stereo in a Toyota Tacoma.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button (usually located on the front panel) to turn the unit on or off. A short press typically mutes or unmutes the audio.

4.2 Android 12 System Navigation

The 9-inch IPS touchscreen allows for intuitive navigation. Swipe, tap, and pinch to interact with apps and settings, similar to a tablet device.

4.3 Wireless CarPlay & Android Auto

Connect your compatible smartphone to access CarPlay or Android Auto features wirelessly or via USB.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the stereo, select the CarPlay or Android Auto application.
3. Follow the on-screen prompts to pair your phone.
4. Once connected, you can use your phone's navigation, make calls, send messages, and play music through the stereo interface.



Image 4.1: Wireless CarPlay and Android Auto interface on the stereo.

4.4 GPS Navigation

The unit comes with pre-installed North American maps. For real-time traffic and updated maps, connect to Wi-Fi and download your preferred online navigation apps.

- Ensure the GPS antenna is properly connected and positioned.
- Open the navigation application from the main menu.
- Enter your destination to receive turn-by-turn directions.



Image 4.2: GPS navigation interface showing map data.

4.5 Bluetooth 5.0 Connectivity

Pair your smartphone via Bluetooth for hands-free calls and audio streaming.

1. Go to the Bluetooth settings on the stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the stereo's Bluetooth name (e.g., 'AINAVIGO') from your phone's list and pair.
4. Once paired, you can make/receive calls and play music wirelessly.

4.6 FM/RDS Radio

Access the FM Radio application to listen to local broadcasts. RDS (Radio Data System) provides station information where available.

- Open the 'Radio' app.
- Use the scan function to find available stations or manually tune to a frequency.

4.7 Steering Wheel Control

The unit supports integration with your vehicle's existing steering wheel controls.

- Navigate to the 'Steering Wheel Control' settings in the system menu.
- Follow the on-screen instructions to program each button to its desired function (e.g., volume up/down, track skip, mode).



Image 4.3: Steering wheel control interface and backup camera view.

4.8 Backup Camera Display

When the vehicle is shifted into reverse, the stereo will automatically display the feed from the connected AHD 1080P rear view camera, aiding in safer parking and maneuvering.



Image 4.4: High-definition backup camera view on the stereo screen.

4.9 5G WiFi & App Installation

Connect the stereo to a mobile hotspot or Wi-Fi network to access online features and download applications.

1. Go to 'Settings' and select 'Wi-Fi'.
2. Choose your desired network and enter the password.
3. Once connected, open the 'Application Store' to download and install Android apps.

4.10 Split Screen Function

The split-screen feature allows you to run two applications simultaneously, such as navigation and music playback.

- Open the first application.
- Press and hold the 'Recent Apps' button or swipe up from the bottom (depending on system configuration) to enter split-screen mode.
- Select the second application to display alongside the first.

4.11 Voice Control

Utilize voice commands for hands-free operation of various functions.

- Activate the voice assistant (e.g., 'Hey Siri' or 'Hey Google Assistant') through a dedicated button or voice command.
- Speak commands for navigation, music playback, calls, and more.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car stereo.

5.1 Screen Cleaning

- Use a soft, lint-free microfiber cloth to gently wipe the screen.
- For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals, abrasives, or excessive moisture.

5.2 Software Updates

- Periodically check for available software updates through the system settings.
- Installing updates can improve performance, add new features, and resolve bugs.

5.3 General Care

- Keep the unit free from excessive dust and debris.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- Ensure all cables are securely connected and not pinched.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions before contacting support.

6.1 No Power

- **Check Connections:** Ensure all power cables are securely connected to the stereo and the vehicle's wiring harness.
- **Ignition:** Verify that the vehicle's ignition is on.
- **Fuse:** Check the vehicle's fuse box and the stereo's inline fuse for any blown fuses.

6.2 Poor Microphone Quality

- **Positioning:** Ensure the external microphone is properly connected and positioned in a clear area, away from vents or obstructions.
- **Settings:** Check microphone input levels in the stereo's audio settings.

6.3 Bluetooth Disconnection

- **Enable Bluetooth:** Confirm Bluetooth is active on both the stereo and your smartphone.
- **Re-pair Device:** Delete the stereo from your phone's Bluetooth list and re-pair.
- **Interference:** Move away from other Bluetooth devices that might cause interference.

6.4 CarPlay/Android Auto Connectivity Issues

- **Software Update:** Ensure your smartphone's operating system is up to date.
- **Connection Type:** Try both wired (if applicable) and wireless connections.
- **Restart:** Restart both the stereo and your smartphone.

6.5 Backup Camera Not Displaying

- **Connections:** Verify the backup camera's power and video connections are secure.
- **Trigger Wire:** Ensure the reverse trigger wire is correctly connected to the vehicle's reverse light signal.

6.6 Steering Wheel Controls Not Working

- **Wiring:** Check the wiring connections for the steering wheel control interface.
- **Configuration:** Reconfigure the controls in the stereo's settings menu.

6.7 Unit Freezes/Unresponsive

- **Soft Reset:** Locate the small reset pinhole on the unit (often requires a paperclip) and press it briefly.
- **Power Cycle:** Disconnect the vehicle's battery for a few minutes, then reconnect.

7. SPECIFICATIONS

Screen Size	9 Inches
Screen Resolution	1280*720 (IPS), 1080p (Video Playback)
Operating System	Android 12.0
Memory (RAM + ROM)	2GB RAM + 32GB ROM
Connectivity	Bluetooth 5.0, USB, Wi-Fi (5G), Wireless CarPlay & Android Auto
GPS	North America maps pre-installed
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	4.2 pounds
Package Dimensions	13.23 x 13.19 x 5.59 inches
Manufacturer	AINAVIGO
Model Number	tacoma 2G+32G

8. SUPPORT & WARRANTY

8.1 Technical Support

For any installation assistance, troubleshooting not covered in this manual, or other technical inquiries, please contact AINAVIGO customer support.

1. Visit the AINAVIGO Store page on Amazon.
2. Locate and click the 'Ask a question' button to send a message to our support team.

What's include

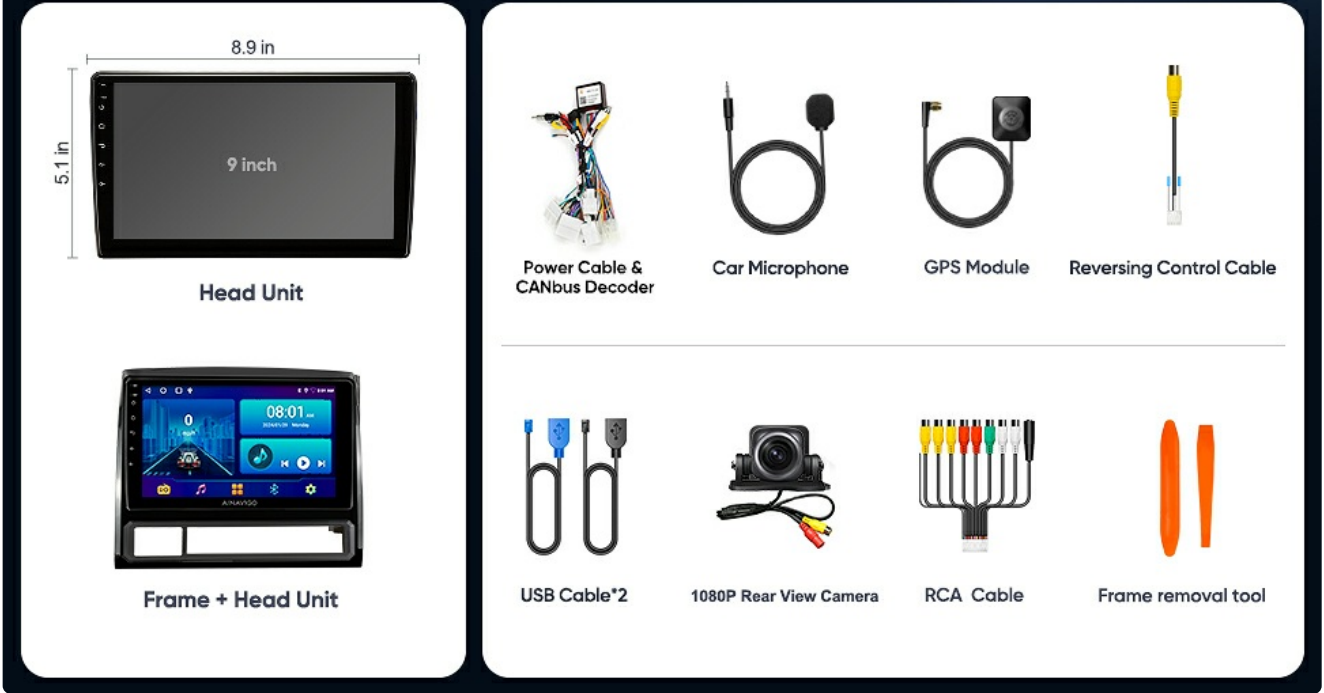



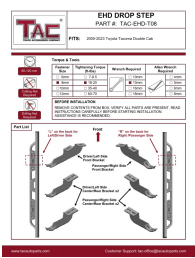
Image 8.1: Guide to contacting AINAVIGO technical support.

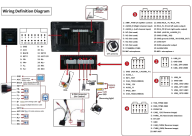
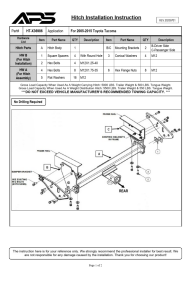


8.2 Warranty Information

Please refer to your purchase documentation or contact AINAVIGO customer support for specific warranty terms and conditions applicable to your product.

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Related Documents - tacoma 2G+32G

	<p>ZZ2 ITZ-TOYv2: Wireless CarPlay & Android Auto for Select Toyota Vehicles - Instruction Manual</p> <p>This instruction manual provides detailed information for the ZZ2 ITZ-TOYv2 interface, enabling wireless Apple CarPlay and wireless Android Auto functionality in compatible Toyota vehicles. It covers features, compatibility, installation, setup, operation, menu navigation, and warranty procedures.</p>
	<p>TAC EHD Drop Step Installation Guide for 2005-2023 Toyota Tacoma Double Cab</p> <p>Detailed installation instructions for the TAC EHD Drop Step running boards (Part # TAC-EHD-T08), designed for 2005-2023 Toyota Tacoma Double Cab models. Includes parts list, torque specifications, and step-by-step guidance.</p>

	<p>Junsun Car Stereo Wiring Diagram and Connection Guide</p> <p>Detailed wiring diagram and connection guide for Junsun car stereos, covering power, audio, video, USB, CANBUS, GPS, and microphone connections. Includes pin definitions for various connectors.</p>
	<p>APS Hitch Installation Instructions for 2005-2015 Toyota Tacoma</p> <p>Step-by-step installation guide for the APS HT-X36986 hitch designed for 2005-2015 Toyota Tacoma models. Includes hardware list, load capacity information, and installation procedures.</p>
	<p>ATTICA4X4 Rogue Series Headlights Installation Guide for 2016-2023 Toyota Tacoma</p> <p>Comprehensive installation guide for ATTICA4X4 Rogue Series Headlights (CHATT0682-GBC) for 2016-2023 Toyota Tacoma models. Includes step-by-step instructions, tools required, and wiring details for a successful upgrade.</p>
	<p>Rough Country Hard Roll Up Tonneau Cover Installation Guide for 2016+ Toyota Tacoma</p> <p>Comprehensive installation guide for the Rough Country Hard Roll Up Tonneau Cover designed for the 2016 and newer Toyota Tacoma. Includes parts list, step-by-step instructions, cleaning, warnings, precautions, and warranty information.</p>