

AINAVI 11.5 inch 4G+64G Car Radio Stereo

AINAVI 11.5-inch Car Radio Stereo User Manual

Model: 11.5 inch 4G+64G Car Radio Stereo

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AINAVI 11.5-inch Car Radio Stereo. This advanced system is designed to upgrade your vehicle's infotainment experience with Android 13.0, wireless CarPlay, Android Auto, GPS navigation, and various multimedia features. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The AINAVI 11.5-inch Car Radio Stereo is a high-performance multimedia system compatible with specific Jeep Wrangler JK, Dodge Grand Caravan, and Dodge Ram models. It features an 11.5-inch QLED touchscreen with 1280x800 resolution, running on Android 13.0 with 4GB RAM and 64GB ROM for smooth operation. Key features include:

- **11.5-inch QLED Touchscreen:** G+G full lamination technology with 178° full-viewing angle.
- **Android 13.0 OS:** Latest operating system for enhanced performance.
- **Wireless/Wired CarPlay & Android Auto:** Seamless smartphone integration.
- **GPS Navigation:** Supports online and offline maps.
- **5G WiFi & Bluetooth 5.4:** Fast internet connectivity and stable device pairing.
- **AM/FM/RDS Radio:** Access to various radio stations.
- **Steering Wheel Control:** Retains original vehicle controls.

11.5" HD IPS Touch Screen

Enjoy stunning 1280*800 visuals on an 11.5" IPS touchscreen with full lamination for enhanced clarity and responsiveness



1280*800
HD Touch Screen



Glass to Glass
Full lamination display



IPS Screen
Wide color gamut



Image: The 11.5-inch HD IPS Touch Screen, showcasing its vibrant display and full lamination technology for clarity and responsiveness.

3. PACKAGE CONTENTS

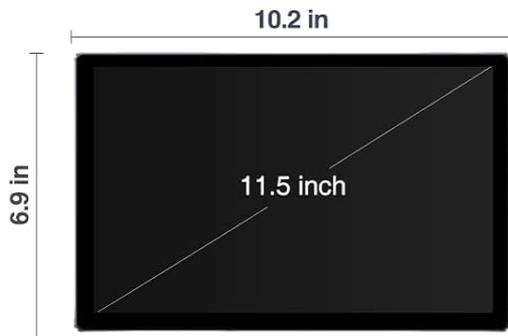
Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 11.5-inch Car Head Unit for Jeep Wrangler JK
- Plastic Frame
- AHD 1080P Rear View Camera + Extension Power Cable
- Microphone
- GPS Antenna

- USB 4Pin Cable
- USB 6Pin Cable
- User Manual (this document)
- Power Cable
- Power Harness with CAN BUS (for some models)
- Blue Frame Removal Tool
- RCA Cable
- Reversing Control Cable

Note: The specific cables included may vary slightly depending on the vehicle model.

What's include



Head Unit



Head Unit + Frame



Power cable
(Some models with CANbus)



RCA cable



Microphone



GPS module



2* USB cable



Reversing control cable



1080P Rear view camera



Frame removal tool

* The cables of each model may be different, please refer to the actual cable received.

Image: A visual representation of all components included in the package, such as the head unit, frame, various cables, camera, microphone, and tools.

4. INSTALLATION GUIDE (SETUP)

The AINAVI Car Radio Stereo is designed for a plug-and-play installation for compatible vehicles. However, professional installation is recommended if you are unfamiliar with car audio system wiring.

4.1 Pre-Installation Check

- Ensure your vehicle is compatible with the head unit (Jeep Wrangler JK 2007-2018, Dodge Grand Caravan 2011-2020, Dodge Ram 2009-2012, etc.).
- Gather all necessary tools, including the provided frame removal tool.
- Disconnect the vehicle's battery before starting the installation to prevent electrical shorts.

4.2 Installation Steps

1. Carefully remove the original car radio and dashboard trim using the frame removal tool. Refer to your vehicle's service manual for specific trim removal instructions.
2. Connect the provided power harness and CAN BUS (if applicable) to the vehicle's wiring. Ensure all connections are secure.
3. Connect the GPS antenna, USB cables, microphone, and rear view camera cables to the corresponding ports on the new head unit.
4. Mount the new 11.5-inch head unit into the dashboard opening. Ensure it fits securely within the plastic frame.
5. Reconnect the vehicle's battery.
6. Turn on the vehicle's ignition and test the head unit's basic functions (power, audio, touch screen).
7. Reinstall the dashboard trim panels.

Before Installation

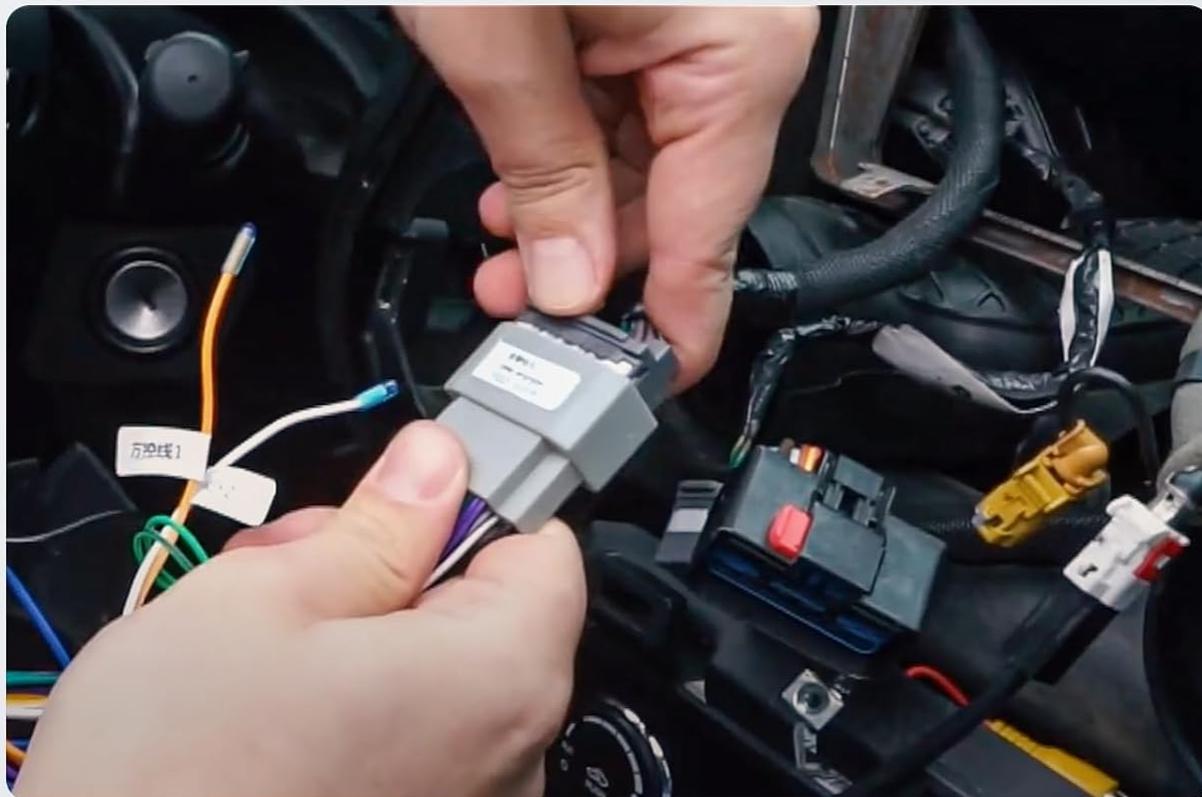


After Installation



Image: A comparison showing the vehicle's dashboard before and after the installation of the AINAVI 11.5-inch car radio stereo, highlighting the significant visual upgrade.

Plug and Play



**Steering
Wheel Control**



**Support
AMP**

Image: Illustrates the plug-and-play nature of the installation, showing a user connecting wiring harnesses, along with icons indicating support for Steering Wheel Control and AMP.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** The unit powers on with the vehicle's ignition. Press and hold the power button (if available) for manual power control.
- **Touchscreen:** Navigate the Android interface by tapping, swiping, and pinching gestures.
- **Volume Control:** Adjust volume using the on-screen controls or your vehicle's steering wheel buttons.

5.2 Wireless/Wired CarPlay & Android Auto

Connect your iPhone or Android smartphone for seamless integration of navigation, communication, and entertainment apps.

1. Ensure Bluetooth is enabled on your smartphone and the head unit.
2. On the head unit, open the CarPlay or Android Auto application.
3. For wireless connection, pair your phone via Bluetooth. For wired, connect your phone using a USB cable to the designated USB port.
4. Follow the on-screen prompts to complete the connection.

Once connected, you can use voice commands (e.g., "Hey Siri" or "Hey Google") for hands-free operation.



Wireless CarPlay & Android Auto

Upgrade your car with CarPlay & Android Auto for hands-free navigation, music, and messaging—smarter, safer driving.



Image: A visual of the head unit displaying the Wireless CarPlay and Android Auto interface, with a smartphone icon indicating connectivity and various app logos.

5.3 GPS Navigation

The unit supports both online and offline navigation.

- **Online Maps:** Connect the head unit to a WiFi hotspot (e.g., from your phone) to access real-time traffic information and updated maps.
- **Offline Maps:** Download maps for your region to the unit's internal storage. This allows navigation without an internet connection.
- Use the pre-installed navigation app or download your preferred app from the Google Play Store.



Image: The head unit displaying a GPS navigation map with points of interest and traffic information, alongside icons for voice commands like "ok google" and "hey siri".

5.4 AM/FM/RDS Radio

Access your favorite radio stations with the built-in tuner.

- Open the "Radio" application on the head unit.
- Scan for available stations or manually tune to a specific frequency.
- Save your favorite stations as presets for quick access.
- The RDS (Radio Data System) feature displays station information where available.



Image: The head unit displaying the AM/FM/RDS radio interface, showing frequency tuning and preset options, with a scenic road background.

5.5 5G WiFi Hotspot & Bluetooth Connection

Enhance your connectivity with fast WiFi and stable Bluetooth.

- **WiFi:** Connect to a mobile hotspot or home WiFi network to browse the internet, download apps, and stream

content. Supports dual-band 2.4GHz & 5GHz.

- **Bluetooth 5.4:** Pair your smartphone for hands-free calls, Bluetooth music streaming, and phonebook synchronization.

5G WiFi Hotspot & BT Connection

Enjoy in-car internet, music, and navigation via WiFi hotspot.

Bluetooth Music

Bluetooth Calls

Supports your favorite apps

Image: The head unit displaying a phone dialer interface, indicating Bluetooth connectivity with a smartphone, and icons for various supported apps like Google Play, Chrome, YouTube, Instagram, and Netflix.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AINAVI Car Radio Stereo, follow these maintenance guidelines:

- **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 harsh chemicals or abrasive materials.

- **Software Updates:** Periodically check for system updates through the unit's settings menu. Keeping the software updated ensures optimal performance, security, and access to new features.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures for extended periods. While designed for automotive environments, prolonged exposure to direct sunlight or freezing conditions can affect performance.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent issues.

7. TROUBLESHOOTING

If you encounter issues with your car radio stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection, blown fuse, vehicle battery issue.	Check power cables and fuse. Ensure vehicle battery is charged.
No sound	Volume too low, mute activated, speaker wiring issue, incorrect audio source.	Increase volume, check mute status, verify speaker connections, select correct audio source.
Touchscreen unresponsive	Software glitch, screen calibration issue.	Restart the unit. If issue persists, perform a factory reset (data will be lost).
CarPlay/Android Auto not connecting	Bluetooth/USB issue, phone settings, app not updated.	Ensure Bluetooth is on and paired. Try a different USB cable. Update phone OS and apps.
GPS signal lost or inaccurate	GPS antenna obstruction, poor satellite reception.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.

If these solutions do not resolve the issue, please contact AINAVI customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	AINAVI
Operating System	Android 13.0
Memory Storage Capacity	64 GB (ROM)
RAM	4 GB
Screen Size	11.5 Inches
Display Type	QLED, G+G Full Lamination
Resolution	1280x800

Feature	Detail
Connectivity Technology	Bluetooth 5.4, USB, Wi-Fi (2.4Ghz & 5Ghz), Wireless CarPlay, Wired Android Auto
Special Features	AM/FM/RDS radio, 5G WiFi, CarPlay+Android Auto+Mirror Link+AirPlay, Split Screen Function, Touch Screen
Compatible Devices	Smartphone, iPhone
Mounting Type	Dashboard Mount
Audio Output Mode	Stereo
Vehicle Service Type	Car

9. WARRANTY AND SUPPORT

AINAVI provides technical support for this product. If you have any questions regarding installation, operation, or troubleshooting that are not covered in this manual, please do not hesitate to contact us via Amazon email. We are committed to providing prompt assistance.

Please retain your proof of purchase for warranty claims. Specific warranty terms and conditions may apply and are available upon request or through the product's purchase platform.