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› **AINAVI 9-Inch Android Car Radio Head Unit Instruction Manual for Dodge Grand Caravan (2011-2020) and Chrysler Town & Country (2012-2016)**

AINAVI AINAVI 9-Inch Android Car Radio Head Unit

AINAVI 9-Inch Android Car Radio Head Unit Instruction Manual

Model: AINAVI 9-Inch Android Car Radio Head Unit

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AINAVI 9-Inch Android Car Radio Head Unit. This unit is designed for specific vehicle models: Dodge Grand Caravan (2011-2020) and Chrysler Town & Country (2012-2016). Please read this manual thoroughly before use to ensure proper functionality and safety.

PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x 9" Android Car Radio Head Unit
- Wiring Harness Plus, CANBus Decoder box
- Radio Antenna Adapter, GPS Antenna
- USB & Audio Cables, User Manual
- Backup Camera, External Microphone
- Frame Removal Tool

Product Size



Accessories

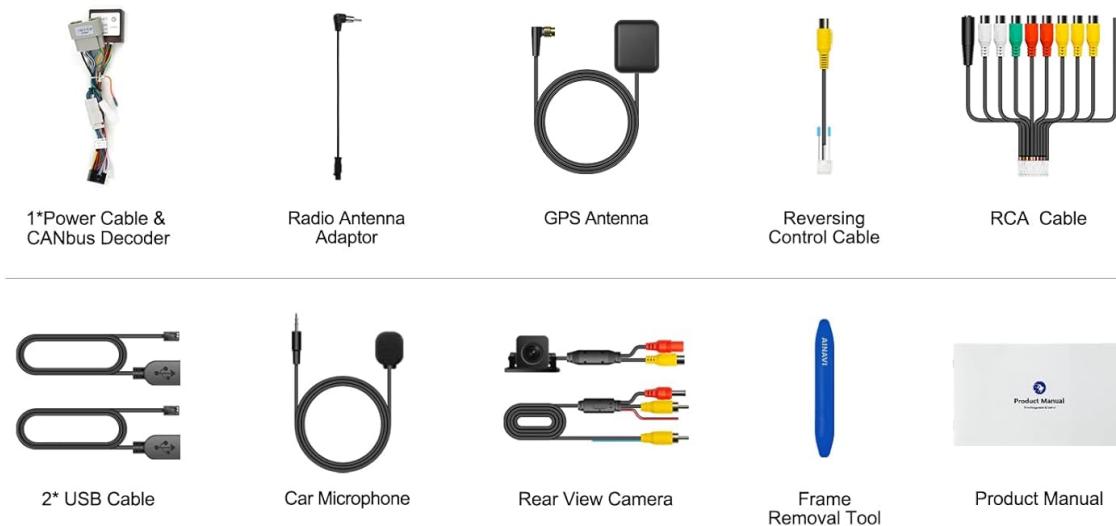


Figure 1: Product components including the head unit, wiring, antennas, and tools.

SETUP AND INSTALLATION

This unit is designed for plug-and-play installation in compatible vehicles. No modification to the car's original wiring is typically required. However, professional installation is recommended to ensure correct wiring and functionality.

Vehicle Compatibility

The AINAVI 9-Inch Android Car Radio Head Unit is custom-fit for:

- Dodge Grand Caravan (2011-2020)
- Chrysler Town & Country (2012-2016)

Wiring Connections

Refer to the detailed wiring diagram for connecting the power cable, CANBus decoder, radio antenna, GPS antenna, USB cables, audio cables, and backup camera. Ensure all connections are secure before powering on the unit.



Figure 2: Detailed wiring diagram for the head unit connections.

For Dodge Grand Caravan 2011-2020 Chrysler Town & Country 2012-2016



Figure 3: Visual comparison of the dashboard before and after installing the AINAVI head unit.

OPERATING INSTRUCTIONS

Basic Operation

The unit operates on Android 12 OS with an ARM Cortex A55 8-Core processor, 3GB RAM, and 32GB ROM. The 9-inch QLED IPS touch screen (1280x720 resolution) provides a responsive interface. Power on the unit by starting your vehicle. Navigate through menus using the touch screen or physical buttons.

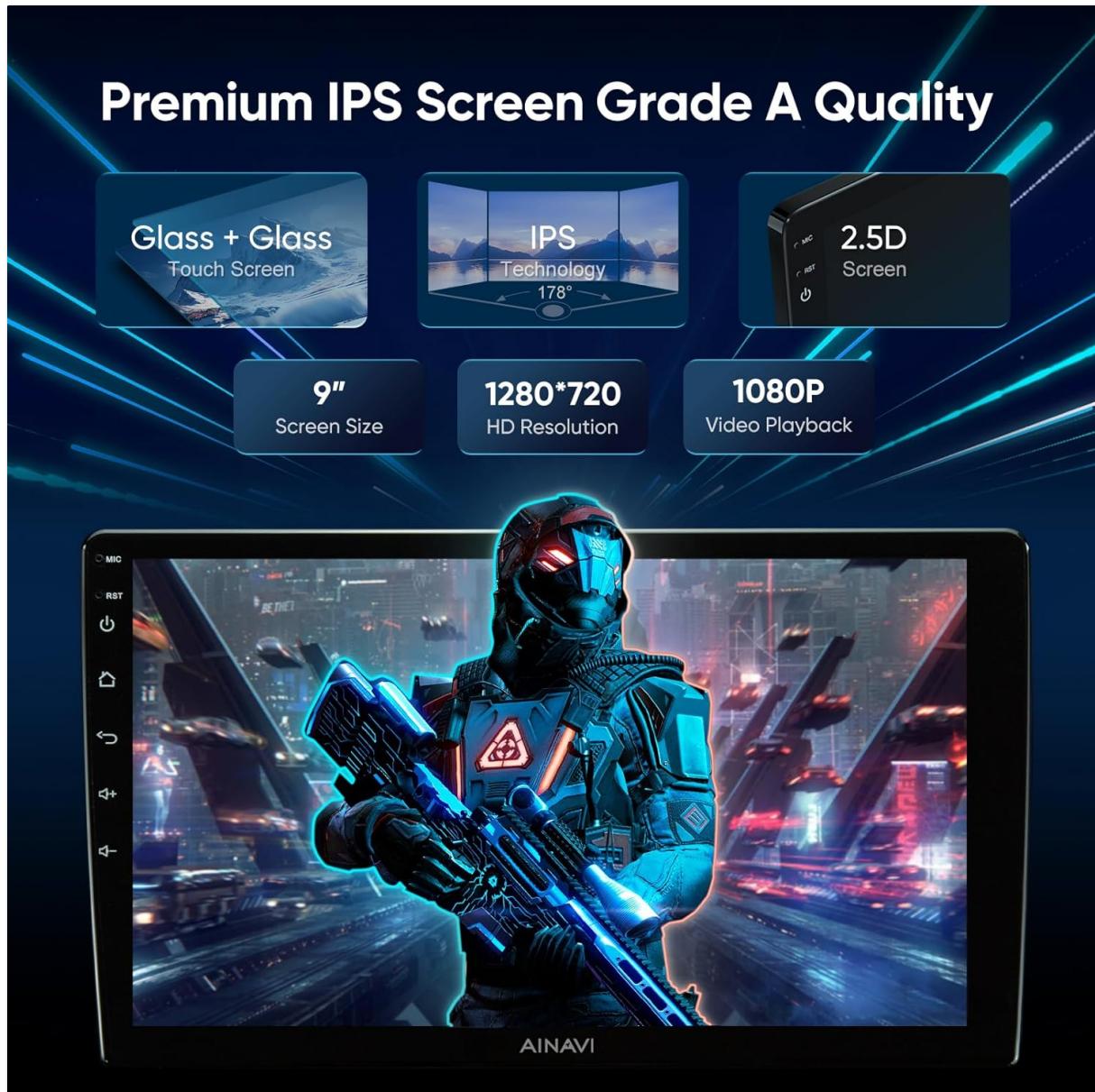


Figure 4: Display features of the AINAVI head unit, including QLED, IPS, and high resolution.

Apple CarPlay and Android Auto

The head unit supports both wireless and wired Apple CarPlay and USB connection Android Auto. Connect your smartphone via Bluetooth and Wi-Fi for wireless CarPlay/Android Auto, or use a USB cable for wired connection. Once connected, you can access navigation, make calls, send/receive messages, and play music directly from your phone's interface on the head unit. Voice commands like "Hey Siri" or "Hey Google" are supported.



9" QLED Display Android Car Stereo Multimedia Player

Custom Fit for: Dodge Grand Caravan 2011-2020
Chrysler Town & Country 2012-2016

Figure 5: Apple CarPlay and Android Auto interfaces on the head unit.

GPS Navigation

The unit has built-in GPS navigation. When connected to a network (via 5G WiFi or hotspot), you can receive real-time traffic information. Offline maps can be downloaded for navigation without an internet connection. The system supports Google Maps, Waze, and other downloadable map applications.



Figure 6: GPS navigation interface showing map and points of interest.

Audio Features (DSP & EQ)

The built-in Digital Sound Processor (DSP) with Time Correction and a 48-band Equalizer allows for precise audio customization. Adjust sound field position, bass, surround sound, and other audio parameters to optimize your listening experience. The maximum output is 4*45W.



Figure 7: DSP and Equalizer interface for advanced audio settings.

Connectivity

The unit supports dual-band WiFi (2.4Ghz & 5Ghz) for fast and stable internet access. Bluetooth 5.0 enables hands-free calls, music streaming, and phonebook synchronization.

MAINTENANCE

Cleaning the Screen

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

Software Updates

Periodically check for software updates in the system settings to ensure optimal performance and access to new features. Follow the on-screen instructions for any available updates.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle power issue.	Check all power connections. Verify vehicle's fuse box. Consult a professional installer.
No sound output.	Volume too low, incorrect audio settings, speaker wiring issue.	Increase volume. Check DSP/EQ settings. Verify speaker connections.
CarPlay/Android Auto not connecting.	Bluetooth/WiFi off, incorrect phone settings, faulty USB cable.	Ensure Bluetooth and WiFi are enabled on both devices. Check phone settings for CarPlay/Android Auto. Try a different USB cable.

Issue	Possible Cause	Solution
GPS signal loss or inaccuracy.	GPS antenna obstruction, poor satellite reception, outdated maps.	Ensure GPS antenna has a clear view of the sky. Update maps if necessary.

SPECIFICATIONS

- Operating System:** Android 12 OS
- Processor:** ARM Cortex A55 8-Core
- Memory:** 3GB RAM + 32GB ROM
- Display:** 9-Inch QLED IPS Touch Screen
- Resolution:** 1280x720
- Audio Output:** 4*45W Max, Built-in DSP with 48-band EQ
- Connectivity:** Bluetooth 5.0, Dual-band WiFi (2.4Ghz & 5Ghz)
- Navigation:** Built-in GPS, supports offline maps
- Special Features:** Wireless/Wired Apple CarPlay, USB Android Auto, Voice Control, Steering Wheel Control support
- Vehicle Service Type:** Car
- Mounting Type:** Dashboard Mount
- Item Weight:** 3.78 pounds
- Package Dimensions:** 13.89 x 9.57 x 5.28 inches

WARRANTY

This product comes with a **1-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact AINAVI customer support. Refer to the contact information provided with your product packaging or visit the official AINAVI brand store for further assistance.

AINAVI Brand Store: <https://www.amazon.com/stores/AINAVI/page/040AF430-64C8-44AE-90CF-ED1C753204EF>