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j Junsun RM

j Junsun Qualcomm Car Stereo User Manual

For Dodge RAM 1500, 2500, 3500 (2013-2018)

1. PRODUCT OVERVIEW

This manual provides instructions for the j Junsun Qualcomm Car Stereo, designed for select Dodge RAM models. This unit integrates an Android 13 operating system with advanced features such as wireless CarPlay, Android Auto, GPS navigation, Bluetooth connectivity, and WiFi.

Compatibility Note: This unit is designed for Dodge RAM 1500, 2500, and 3500 models from 2013 to 2018 equipped with Manual AC controls. It is not compatible with vehicles featuring Automatic AC controls.



Image 1.1: j Junsun Qualcomm Car Stereo with included accessories.

2. KEY FEATURES

- **Android 13 Operating System:** Ensures smooth and responsive operation.
- **Wireless CarPlay & Android Auto:** Seamless integration with iPhone and Android smartphones for navigation, music, calls, and messages.
- **GPS Navigation:** Supports online maps via WiFi connection.
- **WiFi Connectivity:** Allows installation of Android applications and internet access. Supports 5GHz WiFi.
- **Bluetooth:** Dual Bluetooth for hands-free calling and audio streaming. Includes a built-in microphone for clear calls.
- **Qualcomm Octa-Core CPU:** Features 4*Cortex-A73 + 4*Cortex-A53 with up to 1.8GHz and 900M GPU for efficient multitasking.
- **Memory & Storage:** 4GB RAM and 64GB ROM for ample storage and smooth performance.
- **Built-in DSP:** SI47925 chip, 32-band EQ, DTS surround sound algorithm for enhanced audio.
- **Off-Road Inclinometer:** Built-in 6-axis gyroscope for real-time monitoring of roll and pitch angles.
- **Reversing Image Support:** Connects to an included camera for rear-view assistance.
- **FM/AM Radio:** Integrated radio tuner.
- **Steering Wheel Control:** Compatible with existing steering wheel controls for convenience.
- **Split Screen Functionality:** Allows simultaneous use of two applications, such as navigation and music.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

Package List



RCA cable



Power Cable



Screwdriver



Can Bus



Crowbar



Reversing line



Camera



Antenna adapter cable



USB cable*2



Speaker



Microphone



GPS module

Image 3.1: Included components in the package.

- Car Radio Unit (9-inch display)
- RCA Cable
- Power Cable
- Screwdriver
- Can Bus Module
- Crowbar Tool
- Reversing Line
- Camera
- Antenna Adapter Cable
- USB Cable (x2)
- Speaker
- Microphone

- GPS Module

4. INSTALLATION GUIDE

Installation of this car stereo is generally a plug-and-play process. However, professional installation is recommended if you are unfamiliar with car audio systems.

4.1. Pre-Installation Check

- Ensure your vehicle is a Dodge RAM 1500, 2500, or 3500 manufactured between 2013 and 2018.
- Verify your vehicle has **manual AC controls**. This unit is not compatible with automatic AC systems.

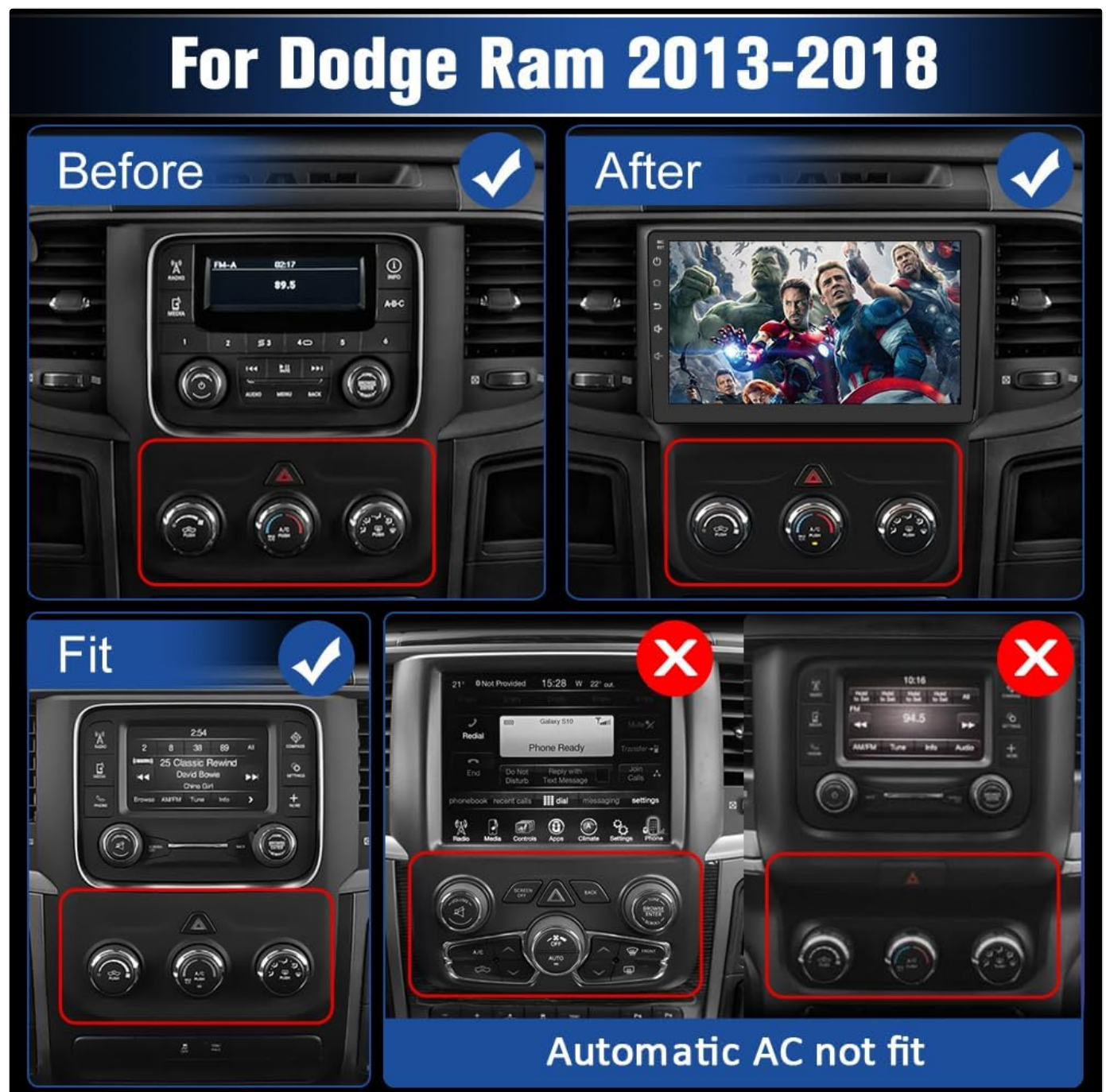


Image 4.1: Compatibility check for manual AC controls.

4.2. Basic Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the vehicle's negative battery terminal to prevent electrical shorts.
2. **Remove Factory Stereo:** Use the provided crowbar tool to carefully pry off trim panels and remove the existing factory stereo.
3. **Connect Wiring Harness:** Connect the new power cable and RCA cables to the corresponding ports on the Junsun stereo and the vehicle's wiring harness. Ensure the Can Bus module is correctly connected.
4. **Install Accessories:** Connect the GPS module, microphone, and reversing camera (if applicable) to the designated ports on the stereo. Route cables neatly.
5. **Mount Stereo:** Secure the new stereo unit into the dashboard opening.
6. **Reconnect Battery:** Reconnect the vehicle's negative battery terminal.
7. **Test Functionality:** Turn on the vehicle and test all functions of the new stereo.

Refer to your vehicle's specific service manual for detailed instructions on removing the factory stereo and dashboard components.

5. OPERATING INSTRUCTIONS

5.1. Wireless CarPlay & Android Auto

Connect your iPhone or Android phone wirelessly to access phone features directly on the stereo display. This includes navigation, music, contacts, and messages.

Carplay & Android Auto



Image 5.1: Wireless CarPlay interface.

5.2. GPS Navigation

After connecting to a WiFi network, you can use online mapping applications for navigation. The built-in GPS module provides accurate positioning.

GPS Navigation



Image 5.2: GPS Navigation display.

5.3. WiFi & Bluetooth Connectivity

Connect to a WiFi hotspot to browse the internet, download apps, or stream content. Use Bluetooth for hands-free calls and to stream audio from your mobile device.

WiFi/Bluetooth



Image 5.3: WiFi and Bluetooth in operation.

5.4. Reversing Camera

When the vehicle is shifted into reverse, the display automatically switches to the view from the connected reversing camera, providing guidelines for safe parking.



Image 5.4: Reversing camera view.

5.5. Steering Wheel Controls

The unit supports integration with your vehicle's existing steering wheel controls. Configuration may be required in the system settings to map the buttons correctly.

5.6. Split Screen

Utilize the split-screen feature to run two applications simultaneously, such as navigation on one side and a music player on the other.

6. SPECIFICATIONS

Feature	Specification
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Model Name	RM
Operating System	Android 13
CPU	Qualcomm Octa-Core (4*Cortex-A73 + 4*Cortex-A53), up to 1.8GHz
RAM	4 GB
Memory Storage Capacity	64 GB
Display Size	9 Inches
Connectivity Technology	Bluetooth, WiFi (5GHz support)
Special Features	Wireless CarPlay, Android Auto, GPS, Built-in DSP, Off-Road Inclinometer, Split Screen
Voice Command	Touchscreen interface
Mounting Type	Dashboard Mount
Item Weight	4.69 pounds
Package Dimensions	13.43 x 11.85 x 6.26 inches

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

7.1. Unit Lagging or Freezing

If the unit becomes unresponsive or lags, a system reset may resolve the issue. Locate the small reset button (often recessed) and press it gently with a non-metallic pointed object (e.g., a toothpick).

7.2. Microphone Not Working / Poor Call Quality

Ensure the external microphone is securely plugged into the correct port on the stereo unit. Check the microphone's position to ensure it is not obstructed and is facing the driver. If issues persist, the microphone itself may need to be replaced.

7.3. AC Controls Not Functioning / CAN Bus Issues

If your vehicle's AC controls or other integrated features are not working after installation, it often indicates a problem with the CAN Bus connection or configuration. Double-check that the CAN Bus module is correctly installed and all wires are securely connected. Some advanced settings may require a factory password; if you encounter this, contact customer support for assistance.

7.4. Incorrect Units (Celsius/Fahrenheit, Kilometers/Miles)

Navigate to the system settings menu on the stereo. Look for 'Units' or 'Regional Settings' to change temperature and distance measurements to your preferred format. If the changes do not save, try performing a system reset after adjusting the settings.

7.5. Amplifier Not Turning On

If an aftermarket amplifier is not receiving a signal to turn on, verify the remote turn-on wire from the stereo to the amplifier is correctly connected. Check all fuses related to the amplifier and the stereo's power supply.

8. WARRANTY AND SUPPORT

8.1. Manufacturer's Warranty

This j Junsun car stereo comes with a **1-year manufacturer's warranty** 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.

8.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact j Junsun customer support:

Email: Junsun-US@outlook.com



Image 8.1: j Junsun Customer Support contact information.

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.

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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

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