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Junsun Android 13 Car Radio Stereo for Dodge RAM 1500 2500 3500 (Fit Manual AC)

Junsun Android 13 Car Radio Stereo User Manual

For Dodge RAM 1500 2500 3500 (2013-2018) with Manual AC

1. PRODUCT OVERVIEW

This manual provides instructions for the Junsun Android 13 Car Radio Stereo, designed for select Dodge RAM models. This unit integrates an Android 13 operating system with features such as wireless CarPlay, Android Auto, GPS navigation, WiFi connectivity, Bluetooth, and FM/AM radio. It is specifically compatible with Dodge RAM 1500, 2500, and 3500 models manufactured between 2013 and 2018 that are equipped with manual air conditioning controls.



Image 1.1: Junsun Android 13 Car Radio Stereo overview, highlighting compatibility with Dodge RAM 2013-2018 models with manual AC.

2. APPLICABLE MODELS AND COMPATIBILITY

This car radio stereo is designed for:

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

Important Compatibility Note: This unit is only compatible with vehicles equipped with **manual air conditioning controls**. It is not compatible with vehicles that have automatic air conditioning systems.

For Dodge Ram 2013-2018



Image 2.1: Visual guide illustrating the difference between manual AC controls (compatible) and automatic AC controls (not compatible) for Dodge RAM models.

3. PACKAGE CONTENTS

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

- Car Radio Unit
- RCA Cable
- Power Cable
- Screwdriver
- Can Bus Decoder
- Crowbar (Pry Tool)
- Reversing Line (Camera Cable)
- Original USB Adapter
- Antenna Adapter Cable
- USB Cable (x2)

- Speaker
- Microphone
- GPS Module

Package List			
			
			
			
			

Image 3.1: A visual representation of all components included in the product package.

4. INSTALLATION GUIDE

Installation of the Junsun Android 13 Car Radio Stereo requires basic knowledge of automotive electronics. It is recommended to consult a professional if you are unsure about any steps. Ensure the vehicle's battery is disconnected before beginning installation.

4.1 Wiring Definition Diagram

Refer to the following diagram for correct wiring connections. Ensure all cables are securely connected to their corresponding ports.



Image 4.1: Detailed wiring diagram showing connections for power, speakers, GPS antenna, USB, and camera inputs.

4.2 General Installation Steps

1. Carefully remove the original car radio unit and trim panels using the provided crowbar.
2. Connect the power cable, RCA cables, and other necessary wiring from the vehicle to the new Junsun unit according to the wiring diagram.
3. Install the GPS module and microphone in suitable locations.
4. If installing the reversing camera, route the reversing line and connect the camera.
5. Mount the new car radio stereo into the dashboard opening.
6. Reconnect the vehicle's battery and test the unit's functionality.
7. Secure all trim panels.

5. OPERATING INSTRUCTIONS

5.1 Android 13 System

The unit operates on an Android 13 system, providing a familiar interface similar to a smartphone. You can install or delete Android applications from the Application Store when connected to WiFi.

5.2 Wireless CarPlay and Android Auto

Connect your iPhone or Android phone wirelessly or via a wired connection to access features like your address book, notifications, messages, map navigation, and music directly on the car stereo display.

Carplay & Android Auto

Support Wireless and Wired Carplay and Android Auto



Image 5.1: Display of Wireless CarPlay and Android Auto functionality on the car stereo screen.



Image 5.2: Overview of wireless connectivity options including CarPlay, Android Auto, and Mirror Link.

5.3 GPS Navigation and WiFi Connectivity

The unit supports online maps when connected to WiFi, allowing for real-time navigation. It also includes built-in offline North America maps for use without an internet connection. The 5GHz WiFi connectivity enables browsing websites and streaming videos.



WiFi Connection

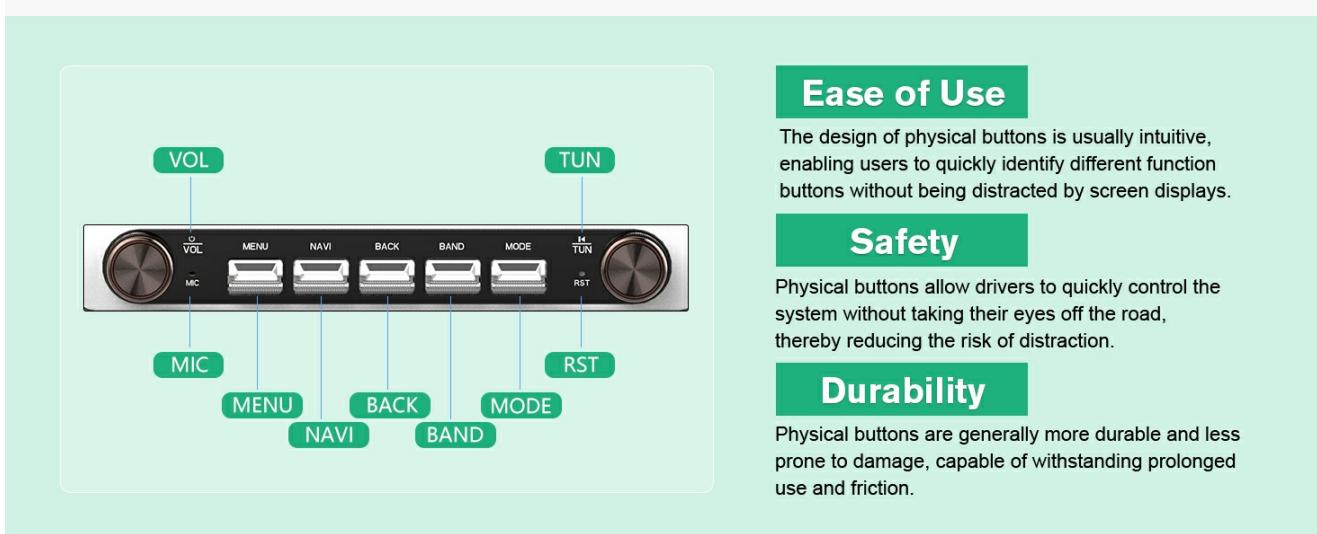
Supports WiFi connectivity to install more apps in the app store, browse different websites and watch videos.



Image 5.3: GPS navigation interface and icons representing WiFi connectivity.



Image 5.4: GPS Navigation features including turn-by-turn directions and points of interest.



Ease of Use

The design of physical buttons is usually intuitive, enabling users to quickly identify different function buttons without being distracted by screen displays.

Safety

Physical buttons allow drivers to quickly control the system without taking their eyes off the road, thereby reducing the risk of distraction.

Durability

Physical buttons are generally more durable and less prone to damage, capable of withstanding prolonged use and friction.

Image 5.5: Illustration of 5GHz WiFi connectivity enabling various online applications.

5.4 Bluetooth Functionality

Bluetooth 5.0 allows for hands-free calling and wireless audio streaming. The built-in microphone ensures clear call quality. You can answer/make calls and stream music from your favorite services.



Bluetooth



FM Radio



Image 5.6: Bluetooth calling interface and FM radio frequency display.



Image 5.7: Bluetooth 5.0 capabilities for phone calls, music streaming, and phonebook synchronization.

5.5 FM/AM Radio

The unit features FM/AM radio functionality with a digital display for precise tuning. Access news, music, and weather broadcasts.

Image 5.8: FM Radio interface with frequency display and tuning options.

5.6 Reversing Image (Backup Camera)

When the vehicle is shifted into reverse gear, the unit automatically displays the rear view from the connected camera, providing parking assistance with guidelines.



Image 5.9: Rear view camera display with dynamic parking assistance lines.

Wireless CarPlay/Android Auto/Mirror Link



Image 5.10: Illustration of the rear view camera activating automatically when reversing.

5.7 Physical Buttons and Steering Wheel Control

The unit features physical buttons and knobs for intuitive control, allowing drivers to operate the system without diverting attention from the road. Steering wheel controls can be configured to manage functions like volume adjustment and station toggling, enhancing driving safety and convenience.

Image 5.11: Explanation of physical buttons for volume, menu, navigation, back, band, mode, and reset.

6. SPECIFICATIONS

Feature	Specification
Operating System	Android 13
Display Size	9 Inches
Memory Storage Capacity	64 GB
Connectivity Technology	Bluetooth 5.0, WiFi (5GHz)
Special Features	Wireless CarPlay, Android Auto, GPS Navigation, FM/AM Radio, Steering Wheel Control, Reversing Image, Built-in DSP
Mounting Type	Dashboard Mount
Map Type	North America (Offline)
Item Weight	4.66 pounds
Package Dimensions	13.27 x 11.73 x 4.65 inches

6.1 Built-in DSP

The unit features a built-in Digital Signal Processor (DSP) for enhanced audio quality and customization. This allows for precise sound tuning and optimization for various audio environments within the vehicle.



Image 6.1: Illustration of the built-in DSP for advanced audio processing and sound field control.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Junsun Car Radio Stereo.

7.1 Connectivity Issues (CarPlay/Android Auto)

- **Problem:** CarPlay or Android Auto fails to connect wirelessly or via USB.
- **Solution:**
 - Ensure your phone's Bluetooth and WiFi are enabled.
 - For wired connections, try a different USB cable or port if available.
 - Restart both your phone and the car stereo unit.
 - Check for any pending software updates for the car stereo.

7.2 Sound Quality

- **Problem:** Audio quality is poor or unbalanced.
- **Solution:**
 - Adjust the equalizer settings within the unit's audio menu.
 - Verify speaker connections are secure.
 - Ensure the DSP settings are configured correctly for your vehicle's acoustics.

7.3 Screen Glare

- **Problem:** Excessive screen glare makes the display difficult to view.
- **Solution:** While the unit's design may have some inherent glare, adjusting the screen brightness and contrast settings can help. Consider aftermarket anti-glare screen protectors if necessary.

8. WARRANTY AND SUPPORT

8.1 Product Warranty

This Junsun Car Radio 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 Junsun customer support.
Email: Junsun-US@outlook.com



Image 8.1: Junsun customer support details, including contact email.