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› Vratzn Android 13 Car Radio Stereo User Manual for Dodge RAM 1500 2500 3500 (2009-2012)

Vratzn 759973909154

Vratzn Android 13 Car Radio Stereo User Manual

Model: 759973909154

Compatible with Dodge RAM 1500, 2500, 3500 (2009-2012)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Vratzn Android 13 Car Radio Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety. This unit is designed for specific Dodge RAM models.

1.1 Vehicle Compatibility

This car radio is compatible with Dodge RAM 1500, 2500, and 3500 models manufactured between 2009 and 2012. Before purchasing or installing, verify your vehicle's year, size, and center console shape to ensure proper fitment.

2. SAFETY INFORMATION

- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Ensure all wiring is correctly connected to prevent electrical shorts or damage to the vehicle's electrical system.
- Installation should be performed by a qualified professional if you are unsure about the process.
- Keep the device away from water and excessive moisture.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.

3. PACKAGE CONTENTS

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

- Car Radio Unit
- Power Cable
- RCA Cable
- Reversing Line

- Can Bus Decoder
- GPS Module
- 6-pin USB Cable
- Antenna
- Crowbar (Pry Tool)
- Screwdriver
- Microphone
- HD Backup Camera



Figure 3.1: Included Components

4. SETUP AND INSTALLATION

4.1 Pre-Installation Check

Before beginning installation, ensure your vehicle is turned off and the battery is disconnected to prevent electrical damage.

Steering Wheel Control

You can use the steering wheel control to answer the call directly, or use the steering wheel buttons to play the next song, etc. This will bring more safety to your driving.



Figure 4.1: Before and After Installation Example

4.2 Wiring Diagram for Backup Camera

Connect the HD backup camera using the provided wiring. The reversing line connects to the CAMERA plug on the device. The red cable connects to the brake cable (brown cable). The red cable also connects to the positive electrode of the reversing light, and the black cable to the negative electrode of the reversing light.

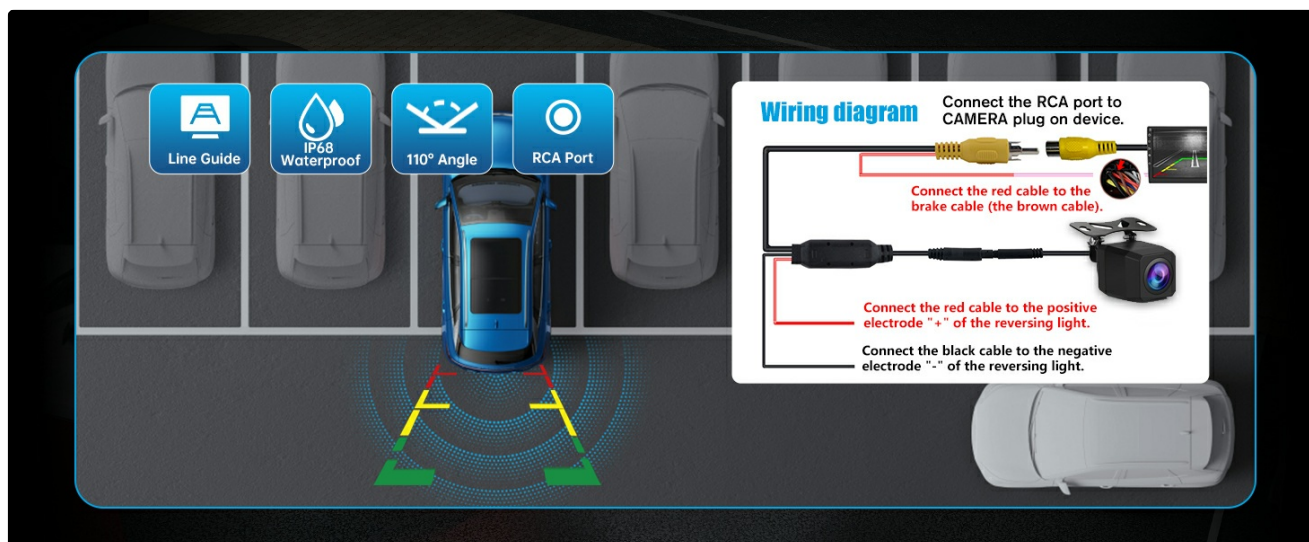


Figure 4.2: Backup Camera Wiring Diagram

4.3 Connector Selection

Select the appropriate wiring harness plug based on your specific vehicle model and original audio system configuration:

- **12-pin plug:** For Chrysler models.
- **11-pin plug:** For Jeep models without an original amplifier.
- **7-pin plug:** For Jeep models with an original Alpine or Infinity sound system.

Please select the corresponding plug based on the corresponding vehicle model.

For Jeep Wrangler If your original car with Alpine or Infinity sound System, please use the 7-pin plug. If your original car without original amplifier, please use the 11-pin plug.

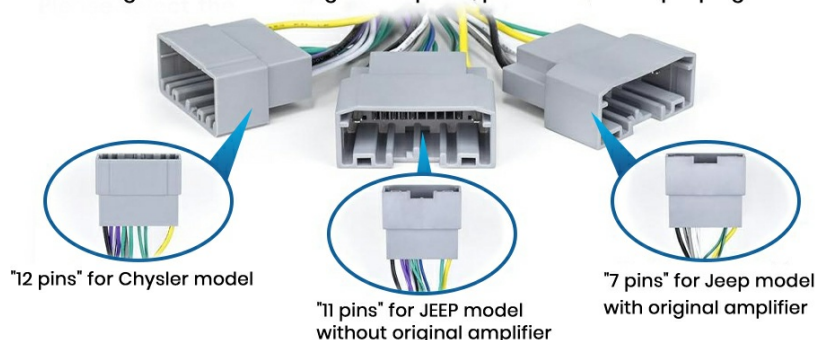


Figure 4.3: Wiring Harness Plug Selection

5. OPERATING INSTRUCTIONS

5.1 Android 13 Operating System

The unit runs on an upgraded Android 13 operating system with a 4-core CPU, 2GB RAM, and 32GB ROM. This allows for a responsive user experience and the ability to download and run various applications from the app store, similar to a smartphone.

5.2 Wireless CarPlay and Android Auto

This car radio supports both wired and wireless CarPlay and Android Auto. Connect your smartphone to access contacts, emails, notifications, navigation, music, and videos. Voice control functionality is available for hands-free operation.



Figure 5.1: CarPlay and Android Auto Interface



Figure 5.2: CarPlay Features



Figure 5.3: Android Auto Features

5.3 GPS Navigation

The head unit supports online maps and includes a built-in North America offline map. A GPS antenna is included. Connect to WiFi for real-time traffic updates and to download or update maps. Menus and voice guidance are available in over 29 languages.



Figure 5.4: GPS Navigation Interface

5.4 Bluetooth Features

The radio offers seamless Bluetooth integration for hands-free calling and music streaming. Sync your phonebook, make calls, and stream audio. A built-in microphone captures your voice, and car speakers deliver clear audio from callers.

For Dodge RAM 1500 2500 3500 2009-2012



Figure 5.5: Bluetooth Calling Interface

5.5 FM Radio Functionality

Enjoy FM/RDS radio with 18 station memories. The unit supports automatic station memory, manual/local/DX selection, and RDS functions including AF, TA, TP, PTY, PI, and broadcast text. Stay updated with real-time traffic, news, and weather.



Figure 5.6: FM Radio Interface

5.6 Steering Wheel Control

The unit is compatible with your vehicle's Canbus system, supporting most steering wheel control functions. This allows you to switch songs, change channels, adjust volume, and answer calls directly from your steering wheel for safer driving.



Figure 5.7: Steering Wheel Control Interface

5.7 HD Backup Camera

The included HD backup camera provides clear rear-view visibility. This enhances safety during parking and reversing maneuvers, helping to avoid obstacles and park with confidence. The display automatically switches to the camera view when reverse gear is engaged.

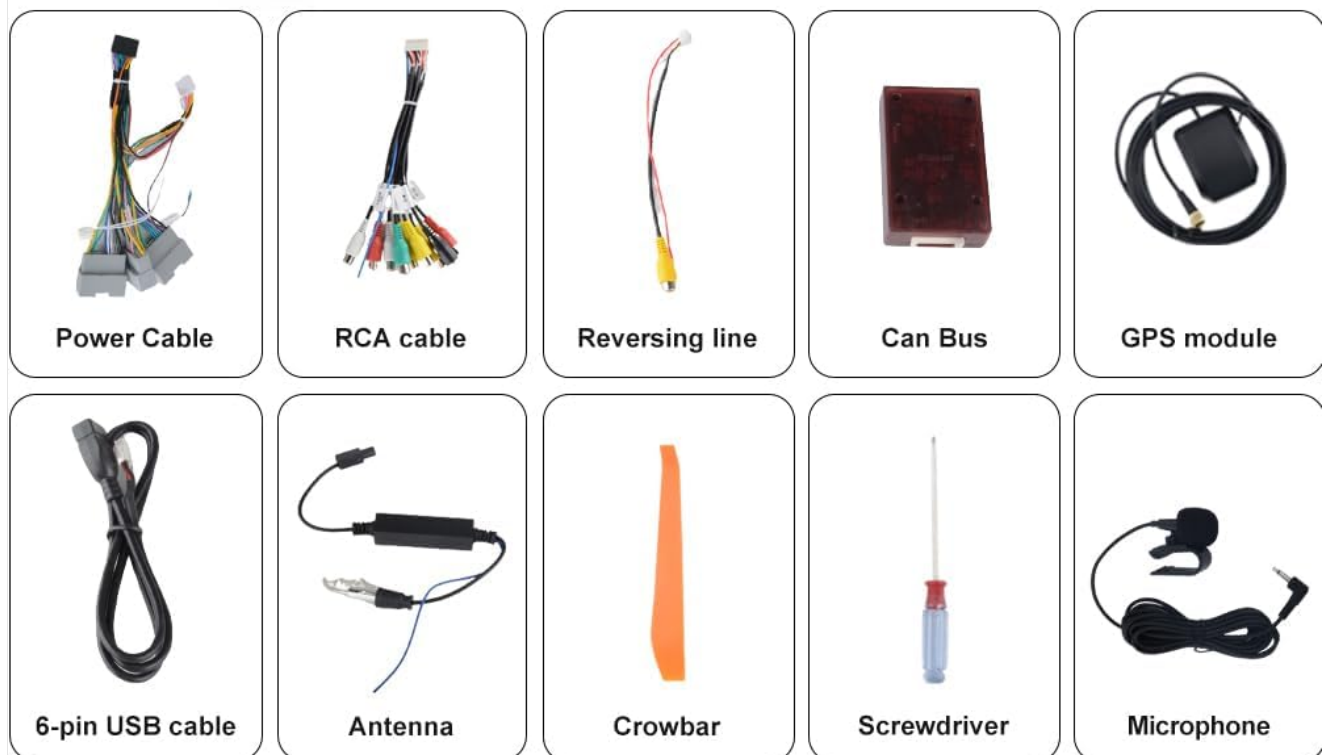


Figure 5.8: Backup Camera View

5.8 WiFi Connectivity

Connect the head unit to WiFi to access online maps, browse videos and web pages, and download various applications from the Google Play Store, transforming your car's interior into a versatile multimedia entertainment system.



Figure 5.9: WiFi Application Access

5.9 Additional Features

- **Mirrorlink:** Allows mirroring your smartphone screen to the car radio display.
- **DSP Sound Effect:** Digital Sound Processor for enhanced audio customization.
- **Split-screen:** Run two applications simultaneously on the screen.
- **Switchable Colors:** Customize the interface lighting colors.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be performed via WiFi.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring; Blown fuse; Vehicle battery disconnected.	Check power connections; Inspect vehicle fuses; Ensure battery is connected.
No sound output	Speaker wires disconnected; Volume too low; Mute function active; Incorrect audio settings.	Verify speaker connections; Adjust volume; Deactivate mute; Check audio settings (EQ, balance).
Bluetooth disconnects frequently	Interference; Software glitch; Outdated firmware.	Ensure no other devices are interfering; Restart the unit and phone; Check for software updates.
Screen reflectivity/visibility issues	Bright ambient light; Screen angle.	Adjust screen brightness; Minimize direct sunlight exposure; Adjust viewing angle if possible.
Touchscreen unresponsive or inaccurate	Software issue; Screen calibration needed.	Restart the unit; Perform screen calibration if available in settings.

Problem	Possible Cause	Solution
Backup camera not displaying	Incorrect wiring; Camera malfunction.	Verify camera wiring connections (power, video signal, reverse trigger); Check camera for damage.

8. SPECIFICATIONS

Feature	Detail
Brand	Vratzn
Model Number	759973909154
Operating System	Android 13
CPU	4 Core
RAM	2 GB
ROM (Memory Storage)	32 GB
Screen Size	7 Inches
Display Type	LCD
Touch Screen Type	Capacitive
Connectivity Technology	Bluetooth, USB, Wi-Fi
Special Features	Wireless CarPlay, Android Auto, GPS Navigation, WiFi, Bluetooth, FM Radio, Backup Camera, Voice Control, Hands-free Calling, Touch Screen
Supported Navigation System	GPS
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	1.4 Kilograms

9. WARRANTY

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

10. SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Vratzn customer support. Our team is available to help you with any questions or issues you may encounter.
Email: Vratzn-US@outlook.com

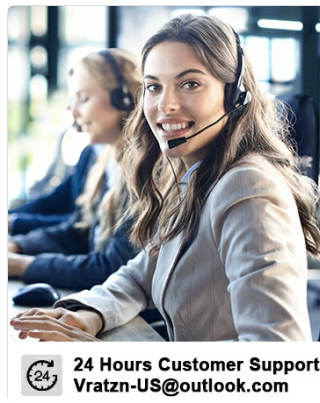


Figure 10.1: 24 Hours Customer Support