

Zomolither B0DJ6RN34F

Zomolither Android 13 Car Radio for Dodge Ram 2013-2019 User Manual

Model: B0DJ6RN34F

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Zomolither Android 13 Car Radio. This unit is designed for specific Dodge Ram models (2013-2019 1500, 2500, 3500 with Auto AC) and features a 9-inch HD touchscreen, wireless CarPlay and Android Auto, GPS navigation, Wi-Fi connectivity, Bluetooth, DSP audio processing, and steering wheel control compatibility. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of vehicle electrical systems, professional installation is highly recommended to prevent damage to the unit or vehicle.
- **Power Supply:** Ensure the unit is connected to a 12V DC power supply with negative grounding.
- **Wiring:** Incorrect wiring can cause damage. Follow the wiring diagram carefully.
- **Driving Safety:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for extended periods.
- **Cleaning:** Use a soft, dry cloth for cleaning the screen and unit. Avoid abrasive cleaners.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Android Car Stereo Unit (9-inch touchscreen)
- AHD Backup Camera
- Installation Tool
- Microphone & Canbus Decoder

- RCA Cable Set
- Power Cable
- 6Pin USB Cable & 4Pin USB Cable
- Camera Input & Radio Antenna
- GPS Antenna & Original USB Cable
- Accessories (Mounting brackets, screws)
- User Manual (This document)



Figure 1: Package Contents. This image displays the Zomolither car radio unit, AHD rear camera, installation tools, various cables (RCA, power, USB), microphone, Canbus, and antennas included in the box.

COMPATIBILITY

This Zomolither Android 13 Car Radio is specifically designed for the following vehicle models:

- Dodge Ram 1500 (Years: 2013, 2014, 2015, 2016, 2017, 2018, 2019)
- Dodge Ram 2500 (Years: 2013, 2014, 2015, 2016, 2017, 2018, 2019)
- Dodge Ram 3500 (Years: 2013, 2014, 2015, 2016, 2017, 2018, 2019)

It is compatible with vehicles equipped with Auto AC. Please compare your car's center console and dashboard layout with the product images to ensure proper fitment before installation.

Product Installation Comparison

Before Installation

After Installation

For Dodge Ram 2013-2019 1500 2500 3500 Auto AC

 Apple Carplay	 Android Auto	 GPS	 WIFI	 EQ
 Backup Cam	 Voice Control	 Android OS	 BT	 Split Screen

Figure 2: Product Installation Comparison. This image illustrates the dashboard of a Dodge Ram before and after the installation of the Zomolither car radio, indicating the correct fit for models with automatic climate control.

SETUP AND INSTALLATION

1. Pre-Installation Checks

- Disconnect the vehicle's negative battery terminal before starting any electrical work.
- Ensure all components listed in the "Package Contents" section are present.

- Confirm compatibility with your vehicle model and AC type.

2. Wiring Connections

The unit comes with a plug-and-play wiring harness and Canbus for simplified installation. Refer to the detailed wiring diagram below for all connections. Ensure each wire is securely connected to its corresponding terminal.

- **Power Cable:** Connect the main power harness to the vehicle's power supply.
- **RCA Cables:** For external audio/video devices or amplifiers.
- **USB Cables:** For data transfer, charging, and wired CarPlay/Android Auto connections.
- **Canbus Plug:** Connect the 8-pin Canbus plug to the host unit to enable vehicle-specific functions like steering wheel controls and HVAC integration.
- **Rear Camera Input Cable:** Connect the AHD backup camera.
- **Radio Antenna:** Connect the vehicle's radio antenna.
- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky for optimal signal reception.

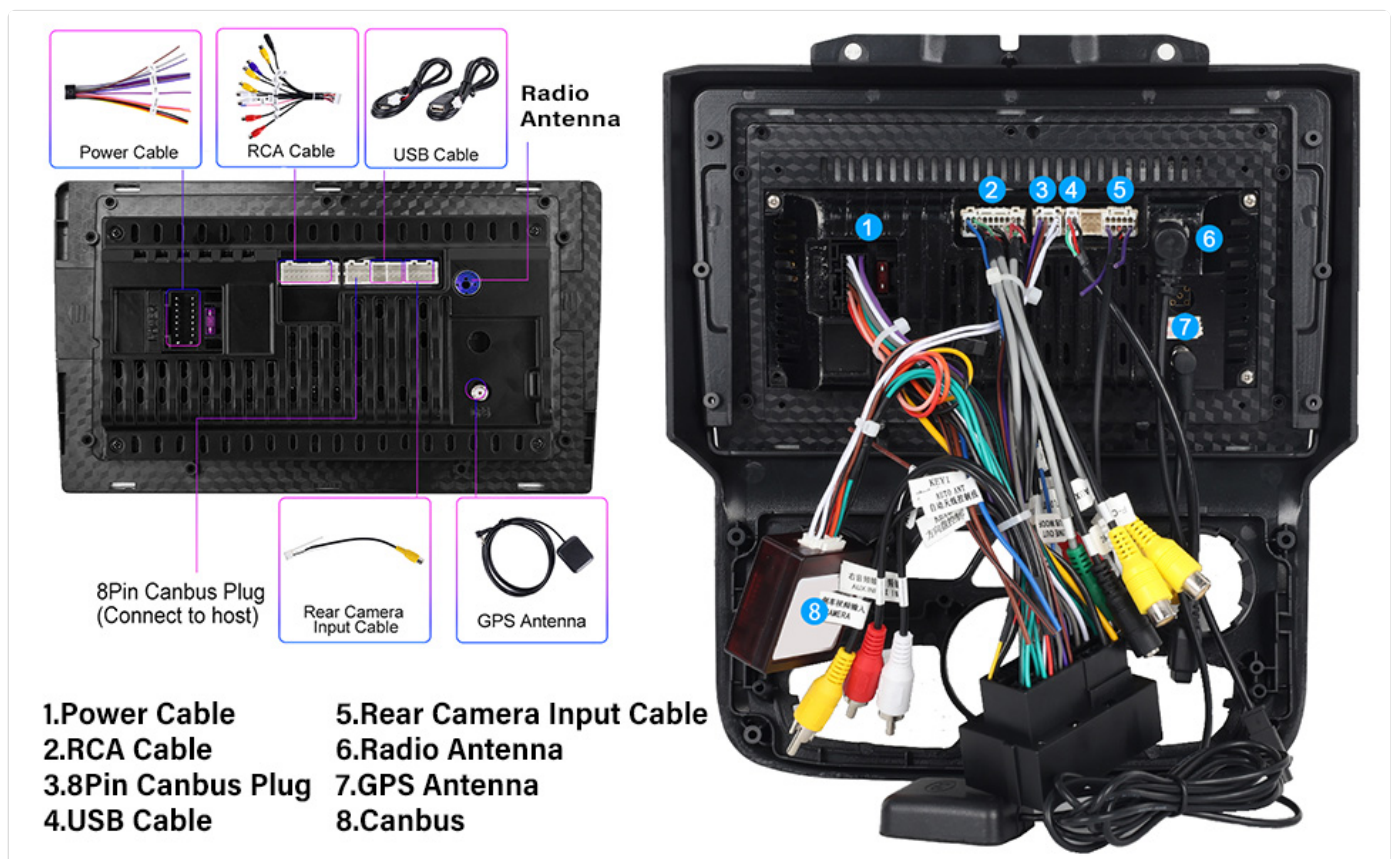


Figure 3: Wiring Diagram. This diagram illustrates the various cable connections for the Zomolither car radio, including numbered ports for power, RCA, Canbus, USB, rear camera, radio antenna, and GPS antenna.

3. Unit Installation

After completing all wiring, carefully mount the head unit into the dashboard opening using the provided accessories and brackets. Ensure all cables are tucked away neatly and do not interfere with moving parts or vehicle controls. Reconnect the vehicle's negative battery terminal once installation is complete.

OPERATING INSTRUCTIONS

1. Initial Power On and System Setup

Upon first power-on, the unit will boot into the Android 13 operating system. Follow any on-screen prompts for initial setup,

such as language selection and time zone. Connect to a Wi-Fi network to enable online features and download updates.

2. Wireless CarPlay & Android Auto

This unit supports wireless Apple CarPlay and Android Auto. To connect:

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car radio, open the CarPlay or Android Auto application.
3. Search for your phone via Bluetooth on the car radio, or initiate pairing from your phone.
4. Confirm the pairing code on both devices.
5. Once connected via Bluetooth, the system will prompt to establish a Wi-Fi connection for wireless CarPlay/Android Auto functionality.

This allows access to navigation, calls, messages, and music directly from your phone's interface on the car radio screen.

Wireless Carplay & Android Auto & Mirror Link

"Hey Siri, send a message to David."
"Hey G^oogle, play music."
"Hey G^oogle, what's the weather like today?"
"Hey Siri, call Dina."

Mirror Link
IOS: WiFi
Androuid : WiFi & USB

Android Auto
Bluetooth

Carplay
Bluetooth

Figure 4: Wireless CarPlay & Android Auto & Mirror Link. This image demonstrates the seamless integration of smartphone features like navigation, calls, and music through wireless CarPlay and Android Auto, as well as Mirror Link for both iOS and Android devices.

3. GPS Navigation & Wi-Fi Connectivity

The unit includes a built-in GPS function with pre-installed offline maps (e.g., "Here We GO" for North America). For online navigation and other internet services:

- **Wi-Fi Connection:** Connect the unit to a Wi-Fi hotspot (e.g., from your smartphone) to access online maps, stream videos, browse the internet, and download apps from the Play Store.
- **GPS Usage:** Open the navigation application of your choice. Ensure the GPS antenna is properly installed for accurate positioning.



Figure 5: Wi-Fi Connect & GPS Navigation. This image highlights the unit's capabilities for online video and music streaming via Wi-Fi, and its integrated GPS navigation system with map display.

4. Bluetooth Functions

Pair your smartphone via Bluetooth for hands-free calling and audio streaming:

1. Go to the Bluetooth settings on the car radio.
2. Enable Bluetooth on your phone and search for available devices.

3. Select the car radio from your phone's list and confirm pairing.
4. Once connected, you can make/receive calls and play music from your phone through the car's speakers.

5. FM/RDS Radio

Access the FM radio application to listen to local radio stations. The RDS (Radio Data System) feature provides additional information like station name and song titles where available.

6. 32-Band DSP Equalizer

The built-in Digital Signal Processing (DSP) with a 32-band EQ allows for precise audio customization. Access the EQ settings to adjust frequency bands, bass boost, and noise reduction to achieve your preferred sound profile.



Figure 6: Bluetooth, FM/RDS Radio, and 32-Band EQ. This image illustrates the unit's Bluetooth hands-free calling, FM radio interface with RDS, and the detailed 32-band graphic equalizer for audio customization.

7. Steering Wheel Control (SWC)

The unit supports your vehicle's original steering wheel controls. After installation, you may need to configure the SWC

settings within the unit's menu. This typically involves a learning process where you assign functions (e.g., volume up, next track, answer call) to your steering wheel buttons.

To complete SWC learning:

1. Navigate to the Steering Wheel Control settings in the unit's menu.
2. Select "Start" or "Learn" mode.
3. Press and hold a button on your steering wheel, then select the corresponding function on the screen (e.g., press "Volume Up" on the steering wheel, then tap "VOL+" on the screen).
4. Repeat for all desired buttons. Select "Save" when finished.

8. Backup Camera

The included AHD night vision backup camera automatically displays the rear view on the 9-inch screen when the vehicle is shifted into reverse. Ensure the camera is properly wired to the reversing light positive and the trigger wire is connected to the unit.



Figure 7: Rear View & Steering Wheel Control. This image displays the automatic backup camera view with parking lines and a diagram for connecting the camera. It also shows the on-screen interface for configuring steering wheel controls.

9. Mirror Link

Mirror Link allows you to display your smartphone's screen directly on the car radio. For Android phones, connect via Wi-Fi or USB using the "Androidlink" app. For iOS phones, connect via Wi-Fi using the "Airplay" app.

MAINTENANCE

- **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. Do not spray liquids directly onto the screen.
- **Software Updates:** Periodically check for system updates via Wi-Fi to ensure optimal performance and access to new features.
- **General Care:** Avoid placing heavy objects on the unit or exposing it to excessive moisture or dust.

TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power / Unit Does Not Turn On	Loose power connection, blown fuse, incorrect wiring.	Check power cable connections. Inspect vehicle fuses. Verify wiring against the diagram.
No Sound from Speakers	Volume too low, amplifier app settings, incorrect speaker wiring.	Increase volume. Check the unit's amplifier or sound settings (e.g., DSP app) to ensure output levels are not set to zero. Verify speaker wiring.
Backup Camera Not Displaying	Incorrect camera wiring, loose connection, wrong input selected.	Ensure the camera's power and video cables are correctly connected. Verify the trigger wire is connected to the reverse light. In settings, confirm the correct camera input is selected.
Steering Wheel Controls Not Working	SWC not configured, Canbus issue, incorrect wiring.	Perform the SWC learning process as described in the "Operating Instructions" section. Ensure the Canbus decoder is correctly connected.
GPS Signal Weak or Inaccurate	GPS antenna placement, antenna obstruction.	Ensure the GPS antenna is mounted in a location with a clear, unobstructed view of the sky. Check antenna connection.
Wireless CarPlay/Android Auto Connection Issues	Bluetooth/Wi-Fi interference, phone settings, app issues.	Ensure Bluetooth and Wi-Fi are active on both devices. Restart phone and car radio. Forget and re-pair the Bluetooth connection. Update phone OS and car radio software.
HVAC Controls Not Functioning (if applicable)	Canbus configuration, software version.	Ensure the Canbus decoder is correctly installed and configured for your specific vehicle trim (e.g., "Low version, Middle version, or High version" if prompted). Contact support if issues persist.

SPECIFICATIONS

Feature	Detail
Model Name	Zomolither (ASIN: B0DJ6RN34F)
Operating System	Android 13
RAM	4GB
Internal Storage	64GB
Screen Size	9 Inches
Display Resolution	1280*720 HD
Connectivity	Bluetooth, Wi-Fi
Special Features	Wireless CarPlay, Android Auto, Mirror Link, GPS Navigation, 32EQ DSP, Steering Wheel Control, AHD Backup Camera, FM/RDS Radio, 3 Split Screen, Voice Control
Map Type	North America, Worldwide (offline maps via "Here We GO" APK)
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Parcel Dimensions	29.7 x 28.3 x 9.7 cm
Weight	1.54 kg

WARRANTY AND SUPPORT

Warranty: This product comes with a 1-year manufacturer's warranty from the date of purchase, covering defects in materials and workmanship.

Customer Support: For technical assistance, troubleshooting, or warranty claims, please contact Zomolither customer service. We provide 24-hour professional customer service and lifetime technical support.

Online Support Email: Zomolither@126.com

Please have your product model (B0DJ6RN34F) and purchase details ready when contacting support.

