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## **Biorunn Biorunn Android 13 Car Stereo for Dodge RAM 1500-3500 (2013-2019) Auto AC, Model B0DRK77VBK**

# **Biorunn Android 13 Car Stereo User Manual**

Model: B0DRK77VBK (Auto AC 4-Core, 2GB+32GB)

For Dodge RAM 1500 2500 3500 (2013-2019) with Auto AC

## **INTRODUCTION**

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This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Biorunn Android 13 Car Stereo. This advanced head unit is designed specifically for Dodge RAM 1500, 2500, and 3500 models from 2013 to 2019 equipped with Auto AC. It features a 9-inch IPS touch screen, integrated GPS navigation, wireless CarPlay and Android Auto, Bluetooth 5.0, and FM radio with RDS.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the performance of your new car stereo system.



Image: The Biorunn Android 13 Car Stereo unit, showcasing its 9-inch display with a split view of a navigation map and media playback interface.

## PACKAGE CONTENTS

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Upon opening the package, verify that all the following components are included. If any items are missing or damaged, please contact customer support immediately.

- Main Head Unit (Machine)
- Canbus Box
- RCA Cable
- Reversing Camera Cable (Camera not included)
- USB Cables (multiple, e.g., USB plug\*2, USB plug\*3)
- Microphone (MIC)
- GPS Antenna
- 4G Antenna (if applicable to your specific model variant)
- Audio Out Cable (if applicable to your specific model variant)

# Package Contents



Machine



Canbus Box

( MI00CP MI50CP MI60CP )



RCA Cable



Reversing Camera



USB Cable



MIC



GPS Antenna

( MS / MS 2K )



RCA Cable



Reversing Camera



USB plug\*2  
( 9863 )



USB plug\*3  
( 7862 )



Audio Out



4G Antenna



GPS Antenna



MIC

Image: A visual representation of the package contents, including the main head unit, Canbus box, various cables (RCA, USB, reversing camera), microphone, and antennas.

## SETUP AND INSTALLATION

Installation of the Biorunn car stereo is designed to be a plug-and-play process for compatible Dodge RAM models. However, professional installation is recommended to ensure correct wiring and functionality.

### Pre-Installation Checklist:

1. Ensure the vehicle's ignition is off and the battery is disconnected before starting any electrical work.
2. Gather all necessary tools (e.g., trim removal tools, screwdrivers).
3. Confirm compatibility with your vehicle's specific year and AC type (Auto AC for this model).

### Installation Steps:

1. Carefully remove the existing factory radio and dashboard trim. Refer to your vehicle's service manual for specific instructions on trim removal.

2. Connect the wiring harness from the Biorunn unit to the vehicle's factory wiring. Ensure all connections are secure.
3. Connect the Canbus box to the appropriate harness. The Canbus box facilitates communication between the stereo and the vehicle's systems, including steering wheel controls.
4. Connect the GPS antenna and position it in a location with a clear view of the sky (e.g., on the dashboard near the windshield).
5. Connect the external microphone for improved call quality.
6. If installing a reversing camera (not included), connect its video input to the designated RCA input on the stereo.
7. Carefully mount the new Biorunn head unit into the dashboard opening. Ensure all cables are tucked away neatly and not pinched.
8. Reconnect the vehicle's battery.
9. Turn on the ignition and test all functions of the stereo, including audio, touch screen, GPS, Bluetooth, and steering wheel controls.
10. Reinstall the dashboard trim.



Image: A side-by-side comparison illustrating the vehicle's dashboard with the original radio ("Before installation") and the integrated Biorunn car stereo ("After installation").

## OPERATING INSTRUCTIONS

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### Power On/Off and Basic Controls:

- **Power Button:** Press and hold to turn the unit on or off. A short press typically mutes/unmutes audio.
- **Volume Control:** Adjust volume using the on-screen controls or steering wheel buttons.
- **Touch Screen:** The 9-inch IPS capacitive multi-touch screen allows for quick and intuitive operation.

### Wireless CarPlay and Android Auto:

The unit supports both wireless and wired CarPlay and Android Auto. This allows seamless integration with your smartphone for navigation, music, calls, and messages.

1. Ensure your phone's Wi-Fi and Bluetooth are enabled.
2. On the stereo, navigate to the CarPlay/Android Auto application.
3. Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will automatically connect for wireless CarPlay/Android Auto.
4. Alternatively, connect your phone via a USB cable to initiate a wired connection.

### Bluetooth (BT) Function:

Connect your mobile phone via Bluetooth 5.0 for hands-free calling, phone book download, and music streaming.

1. Go to the Bluetooth menu on the stereo.
2. Enable Bluetooth on your phone and search for available devices.
3. Select the stereo's Bluetooth name (e.g., "Biorunn Car Stereo") from your phone's list and pair.
4. Once connected, you can make/receive calls directly from the stereo and stream audio.

# Support BT Function

Phonebook with name search function and caller name display directly. Incoming calls, dialed calls, missed calls with caller ID. Support BT music streaming.



Image: The car stereo screen displaying the Bluetooth phone dialer interface, with a mobile phone shown next to it, and a smaller inset image demonstrating Bluetooth music playback.

## FM RDS Radio:

The unit features an FM radio with RDS (Radio Data System) for enhanced station information. It includes 18 preset stations and supports automatic and manual channel searching.

- Navigate to the "Radio" application.
- Use the on-screen controls to scan for stations automatically or manually tune to a specific frequency.
- Press and hold a preset button to save the current station.
- Drag and drop icons to organize your channel list.

# FM RDS Radio

It supports automatic search and manual search, You can drag the icon of target station and replace it into channel list.

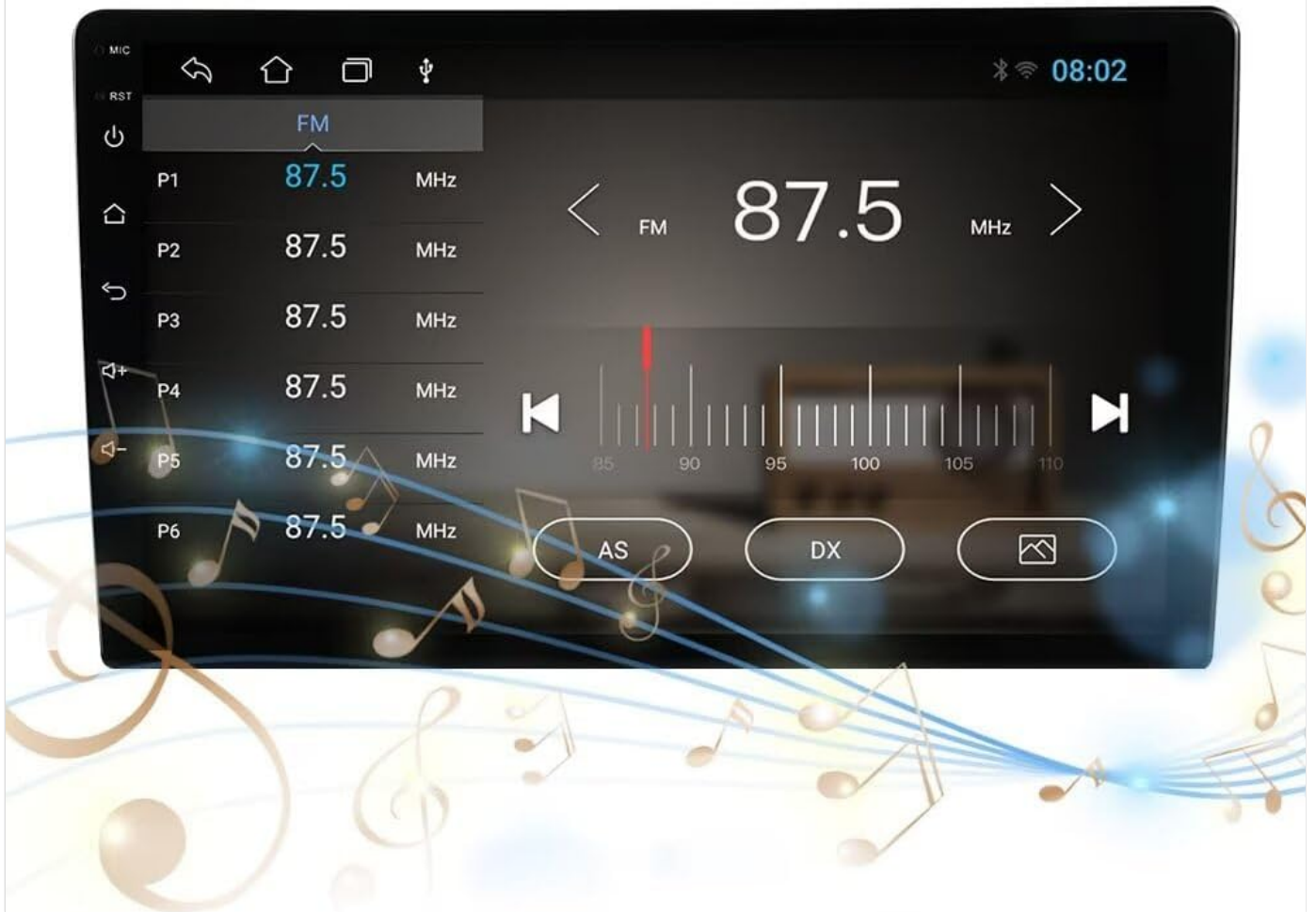


Image: The car stereo screen displaying the FM RDS Radio interface, showing preset stations (P1-P6) on the left and a large frequency tuner in the center.

## GPS Navigation:

The built-in global positioning system provides intelligent navigation. Ensure the GPS antenna is properly installed for optimal signal reception.

- Open the "Navigation" or "Maps" application.
- Enter your destination using the on-screen keyboard or voice command (if supported by the navigation app).
- Follow the voice prompts and on-screen directions.

## Split Screen Functionality:

The unit supports displaying two applications simultaneously on the screen, enhancing multitasking and convenience.

- While an application is open, long-press the recent apps button or drag an app to one side of the screen (depending on the Android version and launcher).
- Select a second application to occupy the other half of the screen.

# Support split screen

Support for two applications to be displayed on the screen at the same time which makes the operation more convenient and faster

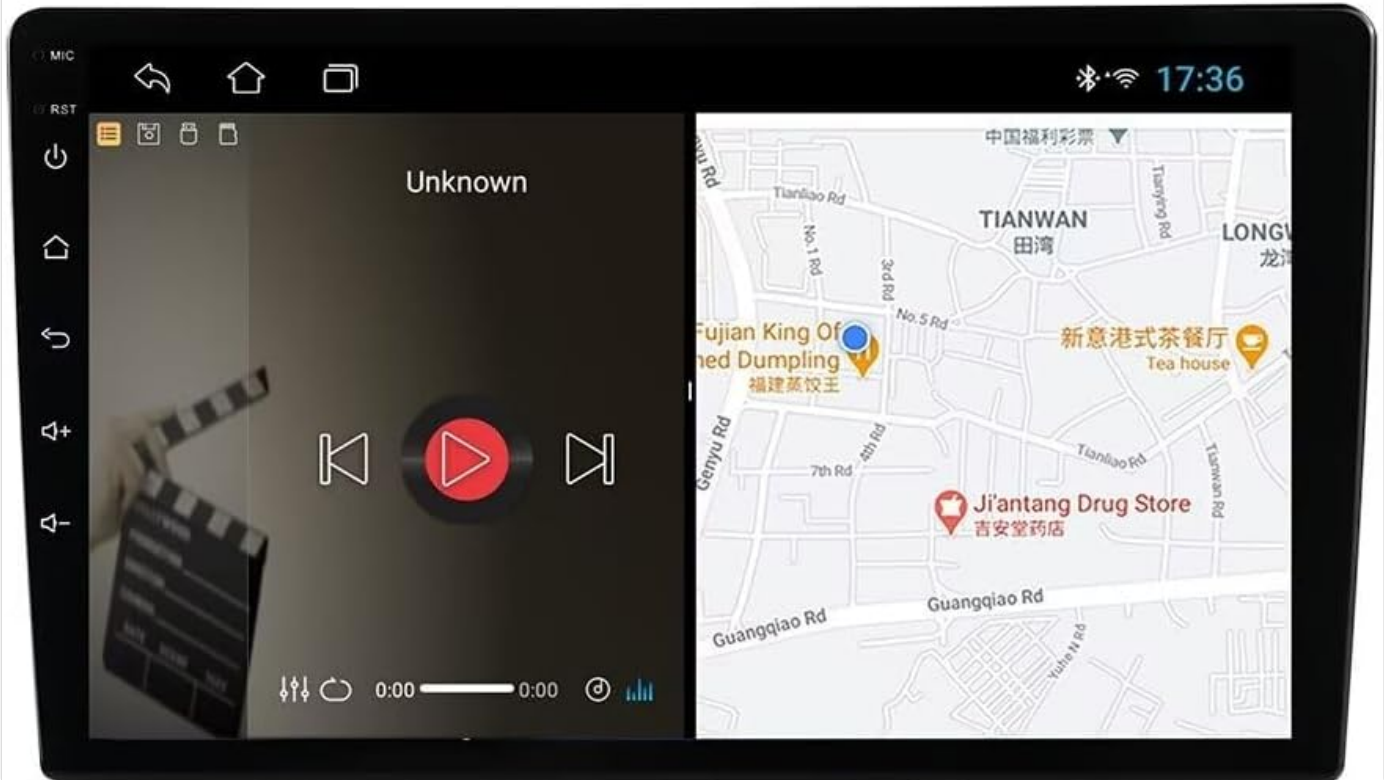


Image: The car stereo screen in split-screen mode, showing a media player on the left side and a navigation map on the right side, demonstrating simultaneous application usage.

## Reversing Video Input:

If a reversing camera is connected, the stereo will automatically display the camera feed when the vehicle is shifted into reverse gear.

- Ensure the reversing camera is properly installed and connected to the unit's dedicated video input.
- The screen will automatically switch to the camera view when reverse gear is engaged.

# Reversing Video

Note: Camera is not included

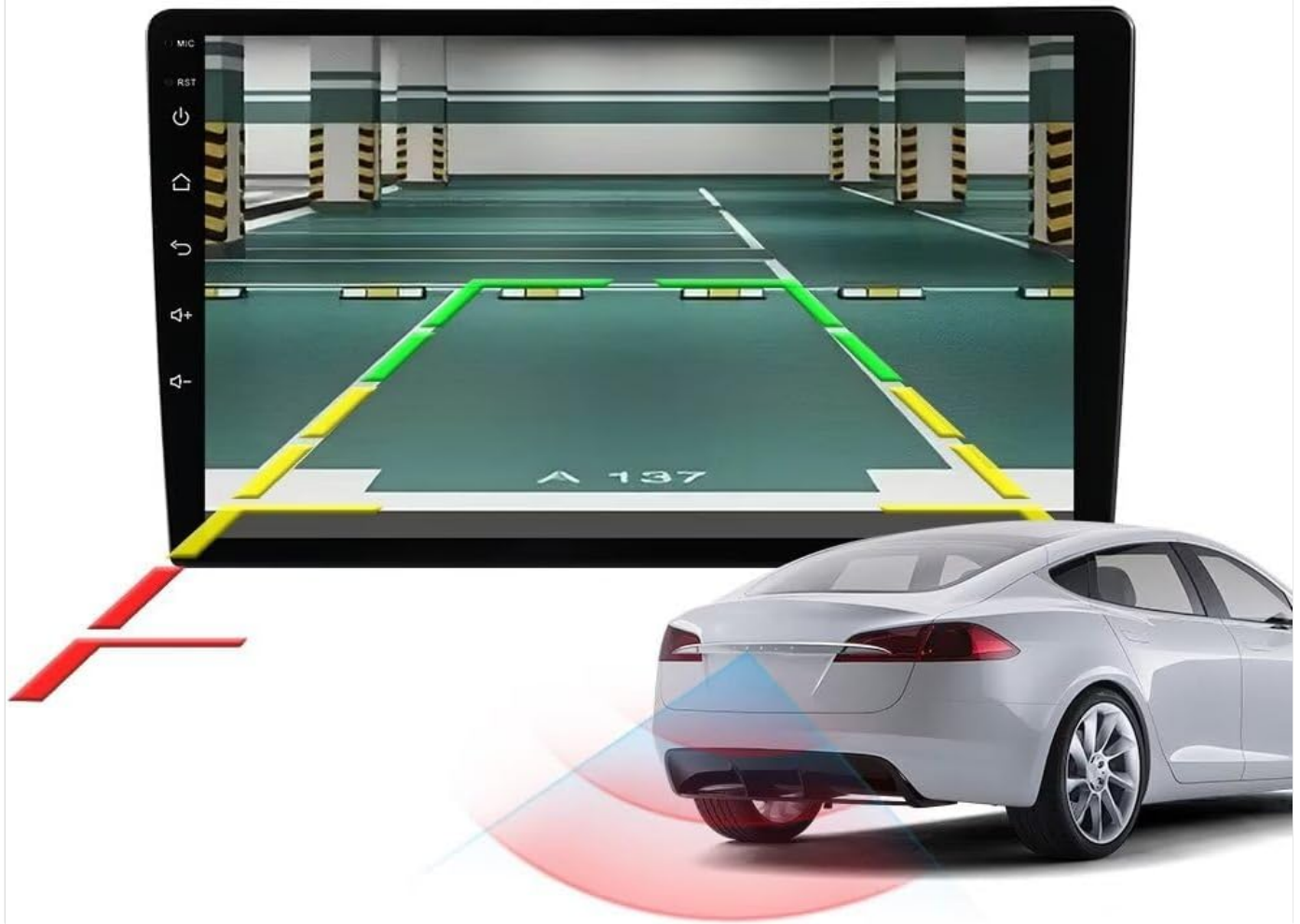


Image: The car stereo screen displaying a reversing camera view, showing the rear perspective of a vehicle with parking guidelines overlaid on the image.

## MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean 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 through the unit's settings menu (if available) or the manufacturer's website. Keeping the software updated ensures optimal performance and access to new features.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cables and connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound from speakers.	Volume too low, mute activated, speaker wiring issue, incorrect audio source.	Increase volume. Check if unit is muted. Verify speaker connections. Select correct audio source.
GPS signal is weak or inaccurate.	GPS antenna improperly placed or disconnected.	Ensure GPS antenna has a clear view of the sky and is securely connected.
Bluetooth pairing fails.	Bluetooth not enabled on phone/stereo, incorrect pairing procedure, interference.	Ensure Bluetooth is on for both devices. Restart both devices. Try pairing again. Clear previous pairings.
Steering wheel controls not working.	Canbus box not connected or configured correctly.	Verify Canbus box connection. Check stereo settings for steering wheel control configuration.

## SPECIFICATIONS

Feature	Specification
Operating System	Android 13
Core Processor	4 Core
Screen Size	9 Inches
RAM	2GB
ROM (Internal Storage)	32GB
Resolution	1280 x 720 (IPS Touch Screen)
CarPlay / Android Auto	Built-in Wireless & Wired
Bluetooth	BT 5.0
Wi-Fi Support	Yes
Split Screen	Supported
GPS Navigation	Built-in Global Positioning System
Steering Wheel Control	Supported
USB Ports	USB1; USB2
Audio Format Support	MP3, WMA, AAC, RM, FALC etc.
Video Format Support	MPEG-1/2/4, H264, H263, VC1, RV, RMVB, DivX, Sorenson SparK, Spark, VP8, AVS Stream
Photo Format Support	JPG/BMP/JEPG/GIF/PNG

Feature	Specification
Applicable Models	Dodge RAM 1500 2500 3500 (2013-2019) Auto AC

## WARRANTY AND SUPPORT

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### Warranty Information:

Specific warranty terms and conditions may vary. Please refer to the warranty card included with your product or contact the seller directly for detailed warranty information regarding your Biorunn car stereo.

### Customer Support:

For technical assistance, troubleshooting, or any questions regarding your Biorunn Android 13 Car Stereo, please contact the seller, RongNan International, through the platform where you purchased the product. Provide your order number and a detailed description of the issue for prompt assistance.

You can also visit the official Biorunn store on Amazon for additional product information and resources [Biorunn Store](#)



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