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› Biorunn Android 13 Car Radio Stereo User Manual

Biorunn 8-Core,4GB+32GB

Biorunn Android 13 Car Radio Stereo User Manual

Model: 8-Core, 4GB+32GB
For Ford Focus MK2 2004-2011 Manual AC Silver

PRODUCT OVERVIEW

The Biorunn Android 13 Car Radio Stereo is an advanced in-dash navigation and multimedia system designed specifically for the Ford Focus MK2 (2004-2011) with Manual AC and Silver trim. This unit features a 9-inch IPS touchscreen, an 8-core processor, 4GB RAM, and 32GB ROM, providing a powerful and responsive user experience. It integrates modern connectivity and entertainment options to enhance your driving experience.



Figure 1: Front view of the Biorunn Android 13 Car Radio Stereo unit.

Key features include built-in wireless Car-play and Android Auto, Bluetooth 5.0 for hands-free calling and music streaming, FM/AM RDS radio, and support for various multimedia formats. The system also supports steering wheel controls, GPS navigation, and can be expanded with optional accessories like ADAS DVR, OBD II, and TPMS.

INSTALLATION AND SETUP

Before beginning installation, ensure your vehicle is compatible with this unit. This model is designed for Ford Focus MK2 (2004-2011) with Manual AC and Silver trim. If your car has steering wheel control buttons, a wire harness with Canbus is required and included.

Package Contents:

- 1 x Main Unit (Android 13 Car Radio Stereo)
- 1 x Power Cable
- 1 x Canbus Decoder (if applicable for steering wheel controls)
- 2 x USB Cables
- 1 x RCA Cable
- 1 x GPS Antenna
- 1 x 4G Antenna

- 1 x Microphone

Installation Steps:

1. **Preparation:** Disconnect the vehicle's battery to prevent electrical shorts. Carefully remove the original car radio and trim panel.
2. **Wiring Connections:** Connect the provided power cable, Canbus decoder (if needed), USB cables, RCA cable, GPS antenna, 4G antenna, and microphone to their respective ports on the new head unit and the vehicle's wiring harness. Refer to the wiring diagram for correct connections.

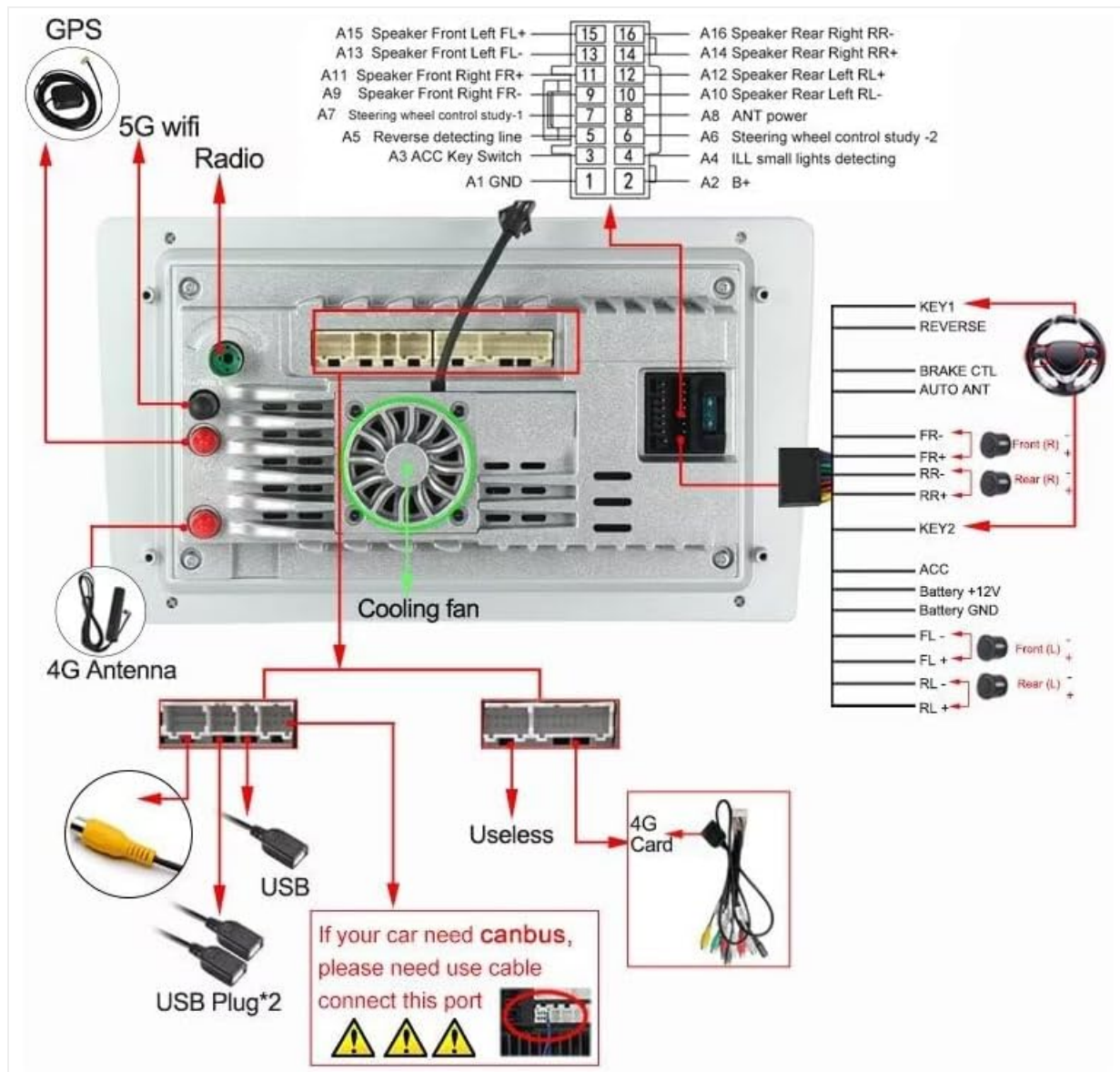


Figure 2: Detailed wiring diagram for the Biorunn Car Radio Stereo. Ensure all connections are secure, especially the power, ground, and speaker wires. Note the specific ports for USB, GPS, and 4G antennas.

3. **Mounting:** Secure the new head unit into the dashboard opening. Ensure it fits snugly and is properly aligned.
4. **Testing:** Reconnect the vehicle's battery. Turn on the ignition and test all functions of the car radio, including power, audio, touchscreen, Bluetooth, GPS, and steering wheel controls.
5. **Final Assembly:** Once all functions are verified, reattach the trim panel and any other components removed during installation.



Figure 3: Visual comparison of the car's center console before and after installation of the Biorunn Car Radio Stereo, demonstrating seamless integration.

OPERATING INSTRUCTIONS

Basic Operation:

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.
- **Volume Control:** Adjust using the physical buttons on the unit or steering wheel controls.
- **Touchscreen Navigation:** Tap icons to open applications, swipe to navigate menus, and pinch-to-zoom in maps.

Car-play and Android Auto:

The unit supports both wireless Car-play and Android Auto, allowing seamless integration with your smartphone. Connect your phone via Bluetooth or USB to access navigation, music, calls, and messages directly from the car's display.



Figure 4: The user interface displaying options for Android Auto and Apple Carplay, enabling smartphone integration for navigation, communication, and entertainment.

FM/AM RDS Radio:

Access FM and AM radio stations with RDS (Radio Data System) support. The system allows for automatic station search and manual tuning. You can save your favorite stations for quick access.

FM / AM RDS Radio

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

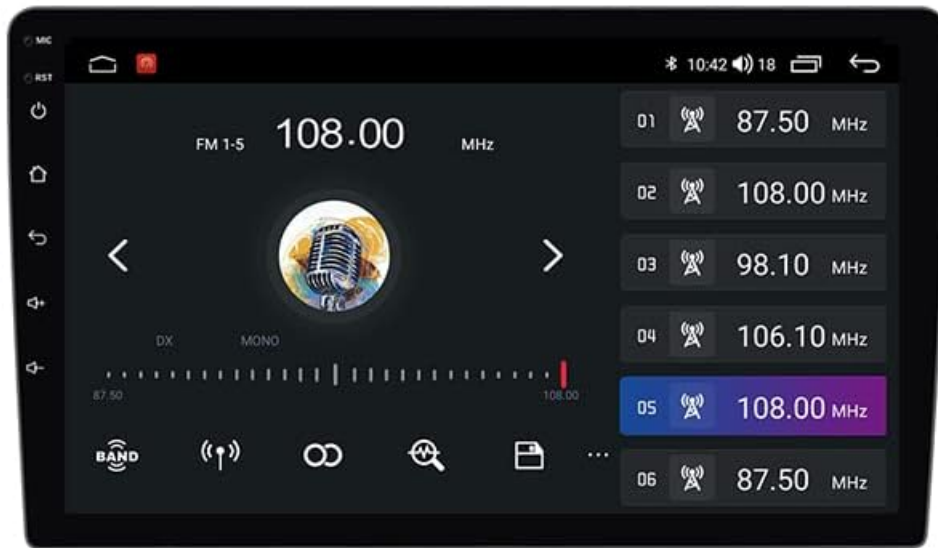


Figure 5: The radio interface showing available FM frequencies and preset stations. Users can easily switch between stations and utilize automatic search functions.

Bluetooth Functionality:

Pair your mobile phone via Bluetooth 5.0 for hands-free calling, phonebook synchronization, and audio streaming (A2DP). The unit supports caller ID display and allows you to manage calls directly from the touchscreen.

Navigation

Built-in global positioning system, omni-directional map display, synchronous display real-time traffic conditions, rapid and accurate positioning



Figure 6: The Bluetooth interface displaying a dial pad and options for managing calls, including incoming, dialed, and missed calls, with caller ID support.

GPS Navigation:

Utilize the built-in global positioning system for accurate navigation. The system provides real-time traffic conditions and supports various map applications. Ensure the GPS antenna is properly installed for optimal signal reception.

Steering Wheel Control

Take control of the music or use hands-free calling function for safety to and concentrate on the road ahead. This head unit's steering wheel control (SWC) works with a digital SWC.



Figure 7: A screenshot of the GPS navigation display, showing a map with route information, current location, and estimated arrival time.

Steering Wheel Control (SWC):

If your vehicle supports it and the Canbus is connected, you can control the car radio using your original steering wheel buttons. This allows for safe operation of music playback and hands-free calling without taking your hands off the wheel.

FM / AM RDS Radio

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

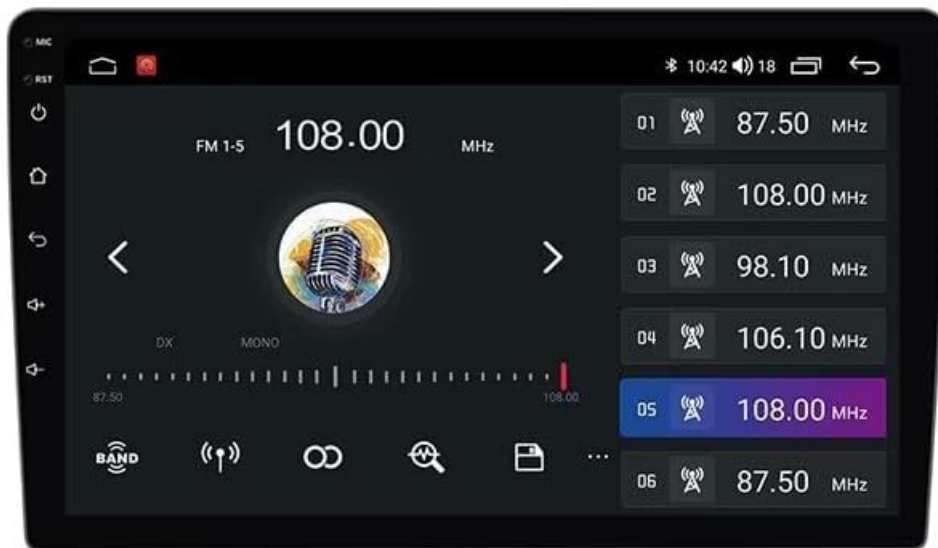


Figure 8: The steering wheel control learning interface, where users can program the unit to recognize their vehicle's steering wheel buttons for various functions.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Biorunn car radio stereo.

- **Cleaning the Screen:** 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. Avoid abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean around buttons and vents.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Software Updates:** Periodically check for software updates from Biorunn to ensure the system has the latest features and bug fixes.

TROUBLESHOOTING

If you encounter issues with your Biorunn car radio stereo, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Power	Loose power connection, blown fuse.	Check power cable connections. Inspect and replace vehicle's fuse if necessary.
No Sound	Volume too low, speaker wires disconnected, incorrect audio settings.	Increase volume. Check speaker wire connections. Verify audio output settings in the system menu.
Touchscreen Unresponsive	System freeze, temporary software glitch.	Restart the unit by pressing the reset button (if available) or turning off the vehicle's ignition and restarting.
GPS Signal Lost/Weak	GPS antenna not properly connected or obstructed.	Ensure GPS antenna is securely connected and placed in an unobstructed location (e.g., dashboard).
Bluetooth Connection Issues	Phone not discoverable, incorrect pairing process.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Restart both devices.

If the problem persists after attempting these solutions, please contact Biorunn customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Operating System	Android 13
Processor	8 Core
Screen Size	9 Inches
RAM	4GB
ROM	32GB
Resolution	1280 x 720 (IPS Screen)
Bluetooth Version	BT 5.0
DSP Processor	Built-in DSP processor
Smartphone Integration	Built-in Wireless Car-play and Android Auto
Connectivity	Support 4G LTE, 5Ghz WIFI
Navigation	Built-in Global Positioning System (GPS)
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
Steering Wheel Control	Support original steering wheel remote control
USB Ports	USB1; USB2

WARRANTY AND SUPPORT

Warranty Information:

The Biorunn Android 13 Car Radio Stereo comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

Note: The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or natural disasters.

Customer Support:

For technical assistance, troubleshooting beyond the scope of this manual, or warranty inquiries, please contact Biorunn customer support. Biorunn is committed to providing excellent service and professional technical support.

You can find contact information on the official Biorunn website or through your purchase platform. When contacting support, please have your product model number (8-Core, 4GB+32GB) and purchase details ready.

