Leadfan Leadfan Car Stereo Radio

Leadfan Car Stereo Radio User Manual

Model: Leadfan Car Stereo Radio
For Dodge Grand Caravan 2011-2020, Chrysler Town & Country 2011-2016, Grand Voyager 2011-2015

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Leadfan Car Stereo Radio. This unit is specifically designed for the following vehicle models:

- Dodge Grand Caravan (2011-2020)
- Chrysler Grand Voyager (2011-2015)
- Chrysler Town & Country (2011-2016)

It features an Android 12 operating system with 2GB RAM and 32GB ROM, a 9-inch touchscreen, and supports wireless Carplay and Android Auto, GPS navigation, Bluetooth, and WiFi connectivity.



Figure 1.1: Leadfan Car Stereo Radio and main components.

This image displays the main unit of the Leadfan Car Stereo Radio along with key accessories such as the GPS antenna, backup camera, and various cables (USB, RCA, power). It highlights the 9-inch touchscreen and the overall design of the head unit.

2. Compatibility Notes

This car display is designed for specific models and may not be compatible with vehicles that have original factory screens or OEM J.B.L. car audio systems. Before installation, verify the year, size, and shape of your car's center console to ensure proper fitment.



Figure 2.1: Vehicle compatibility examples.

This image illustrates examples of car dashboards, indicating which configurations are compatible ("Fit") and which are not compatible ("Not Fit") with the Leadfan Car Stereo Radio. It shows the appearance of the stereo after installation in a compatible Dodge Grand Caravan dashboard.

3. What's in the Box

Upon opening the package, ensure all the following components are present:

- 1x Leadfan Car Touch Screen Radio
- 1x GPS Antenna
- 1x Backup Camera
- 1x CanBus Decoder
- 1x Rear View Input Cable
- 1x RCA Cable
- 2x USB Cables

- 1x Power Cable
- 1x USB Adapter Cable
- 1x User Manual (this document)



Figure 3.1: Package List and Product Dimensions.

This image displays the complete list of items included in the product package, such as the main unit, various cables (power, RCA, USB), GPS antenna, backup camera, CanBus, and the user manual. It also provides a diagram with the dimensions of the 9-inch head unit and labels its rear ports.

4. Setup and Installation

The Leadfan Car Stereo Radio features a plug-and-play wiring harness, simplifying the installation process. Refer to the included user manual for detailed, step-by-step installation instructions specific to your vehicle model.

4.1. Pre-Installation Checks

- Ensure your vehicle's ignition is off and the battery is disconnected before beginning installation.

- Verify the voltage of your car radio is 12V. Exceeding 12V may damage the unit.
- Confirm the compatibility of the unit with your car's center console as described in Section 2.

4.2. Wiring the Backup Camera

For optimal safety and functionality, connect the included backup camera. The camera supports rear view image input when reversing.

1. Connect the pink wire from the power cable to the reversing trigger cable.
2. Connect the camera's video output to the "Rear View Input" port on the stereo unit.
3. Connect the camera's power cable to the car's reversing light positive and negative terminals.



Figure 4.1: Backup Camera Installation and Features.

This image provides a detailed wiring diagram for the backup camera, showing connections to the car stereo and the vehicle's power system. It also highlights key features of the camera, including HD resolution, night vision, 170-degree wide angle, and waterproof design.

5. Operating Instructions

Your Leadfan Car Stereo Radio offers a wide range of features for an enhanced driving experience.

5.1. Wireless Carplay & Android Auto

Connect your smartphone wirelessly via Bluetooth and Wi-Fi to access navigation, music, calls, and more directly from the car stereo. The unit supports voice control for hands-free operation.

- **Apple CarPlay:** Connect wirelessly.
- **Android Auto:** Supports both wireless and wired connections.



Figure 5.1: Apple Carplay and Android Auto in use.

This image demonstrates the user interface of Apple Carplay and Android Auto on the car stereo screen, showing various app icons and voice command functionality. It illustrates how users can interact with their phone's features through the stereo.

5.2. GPS Navigation & WiFi Connectivity

The unit includes a GPS navigation system supporting both online and offline maps. Connect to WiFi or a mobile hotspot to access online maps and download additional applications from the Google Play Store.

- **Online Maps:** Compatible with most navigation apps (e.g., Google Maps, Sygic).
- **Offline Maps:** Download maps for navigation without an internet connection.



Figure 5.2: GPS Navigation and WiFi Functionality.

This image showcases the GPS navigation interface with both online and offline map options, demonstrating real-time navigation capabilities. It also illustrates the WiFi connection feature, allowing users to download apps and browse content like YouTube.

5.3. Bluetooth 5.1 & FM Radio

Utilize Bluetooth 5.1 for hands-free calling and wireless audio streaming. The integrated FM radio allows you to listen to your favorite stations.

- **Bluetooth:** Answer/make calls, play personal playlists.
- **FM Radio:** Access various radio programs.



Figure 5.3: Bluetooth and FM Radio Interfaces.

These images show the user interfaces for Bluetooth connectivity, including a dial pad for making calls, and the FM radio tuner with frequency display and controls.

5.4. Mirror Link & Split Screen

Mirror Link allows you to display your phone's screen content on the 9-inch HD display. The split-screen function enables simultaneous operation of two applications.

- **Mirror Link:** iOS supports wireless connection; Android supports wireless/wired connection.
- **Split Screen:** Operate two apps independently on the left and right sides of the screen.



Figure 5.4: IPS HD Touchscreen, Split Screen, and Mirror Link.

This image demonstrates the split-screen functionality, showing two applications running simultaneously on the 9-inch IPS HD touchscreen. It also visually represents the Mirror Link feature, where a smartphone screen is mirrored onto the car stereo display.

5.5. Steering Wheel Controls (SWC)

After correct wiring and configuration, you can use your vehicle's existing steering wheel buttons to control the stereo unit, enhancing convenience and safety.



Figure 5.5: Steering Wheel Controls.

This image highlights the steering wheel control feature, showing how the car's existing steering wheel buttons can be used to operate the stereo, including volume adjustment and track skipping.

6. Maintenance

To ensure the longevity and optimal performance of your Leadfan Car Stereo Radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the touchscreen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates via the WiFi connection to ensure the system runs efficiently and has the latest features.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

7. Troubleshooting

If you encounter issues with your car stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; Insufficient power supply.	Check power cable connections. Inspect vehicle fuses. Ensure 12V power supply.
No sound output.	Speaker wires disconnected; Volume too low; Incorrect audio settings.	Verify speaker connections. Increase volume. Check EQ settings (Figure 7.1).
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly placed.	Ensure GPS antenna has a clear view of the sky. Reposition if necessary.
Bluetooth connection issues.	Device not in pairing mode; Interference; Outdated firmware.	Ensure phone's Bluetooth is on and discoverable. Restart both devices. Check for software updates.
Backup camera not displaying.	Incorrect camera wiring; Camera malfunction.	Review backup camera wiring (Section 4.2). Test camera connection.



Figure 7.1: EQ Setting Interface.

This image displays the Equalizer (EQ) settings interface, allowing users to adjust audio frequencies for customized sound output. This can be useful for troubleshooting sound quality issues.

If the problem persists, please contact customer support for assistance.

8. Specifications

Feature	Detail
Operating System	Android 12
RAM + ROM	2GB RAM + 32GB ROM (4-core CPU)
Screen Size	9 Inches
Display Type	2.5D IPS HD Touchscreen
Resolution	1080P (implied from A+ content, not explicitly stated as screen resolution in specs)
Connectivity	Wireless Carplay, Android Auto (Wireless/Wired), Bluetooth 5.1, Wi-Fi, USB
Navigation	GPS (Online & Offline Maps)
Audio Output Mode	Stereo

Feature	Detail
Special Features	Mirror Link, Split Screen, Steering Wheel Controls (SWC), Backup Camera Input, FM Radio, EQ Setting
Voltage	DC 12V
Item Weight	2.83 pounds
Package Dimensions	12.76 x 6.65 x 3.98 inches

9. Warranty and Support

Leadfan is committed to providing excellent customer service and support for your product.

- **30-Day Free Return:** If you are not satisfied with your purchase, you may return it within 30 days.
- **12-Month Replacement:** The product is covered by a 12-month replacement warranty for quality issues.
- **Lifetime Technical Support:** Receive lifetime technical assistance for any questions or issues you may encounter.
- **Professional Customer Service:** Our customer service team is available to answer your questions within 24 hours.

For technical support or any inquiries, please contact the seller directly through the platform where you purchased the product. Look for the "sold by Nideo" link and "ask a question" option for prompt assistance.

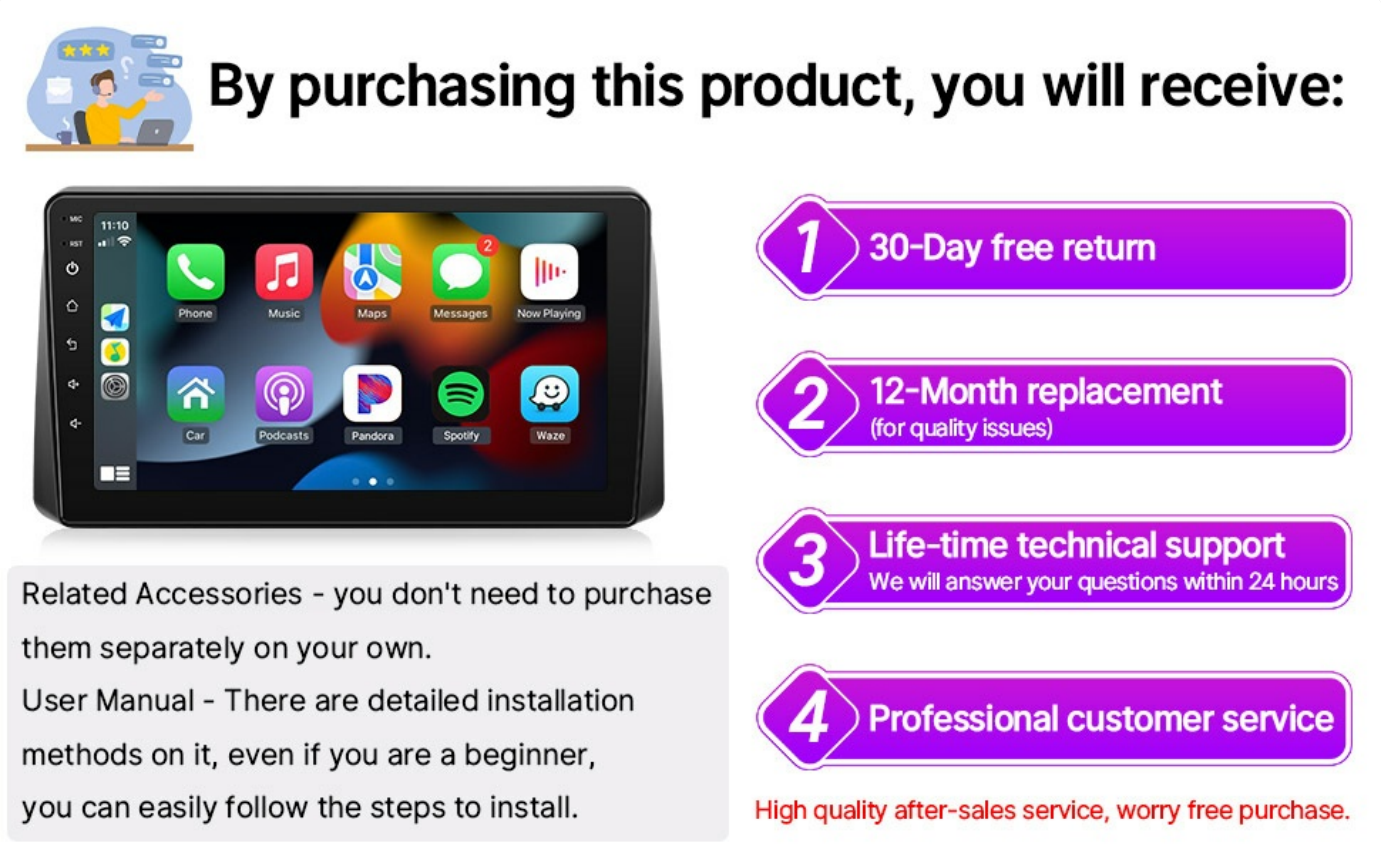


Figure 9.1: After-Sales Service Details.

This image summarizes the after-sales support provided, including 30-day free returns, 12-month replacement for quality issues, lifetime technical support, and professional customer service available within 24 hours.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question