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Leadfan Model B

Leadfan Carplay Radio for Nissan Altima 2013-2018 (Model B) Instruction Manual

9-inch IPS Touch Screen Head Unit with Wireless Carplay & Android Auto, GPS, Bluetooth, WiFi, FM/RDS, SWC, and Backup Camera

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Leadfan Carplay Radio. This head unit is designed to enhance your driving experience with advanced features such as wireless Apple CarPlay, Android Auto, GPS navigation, Bluetooth 5.1, WiFi connectivity, FM/RDS radio, steering wheel control integration, and a backup camera input. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. APPLICABLE CAR MODELS

This Android car stereo radio is specifically designed for Nissan Altima models from 2013, 2014, 2015, 2016, 2017, and 2018. This particular model (Model B) is suitable for vehicles **without an AC vent** integrated into the radio bezel. It features a 9-inch IPS touch screen.

Important Note: This car stereo is not compatible with Nissan Altima vehicles equipped with a large factory navigation screen or a premium audio system. Please verify the model year and the shape of your vehicle's center console to ensure compatibility before installation.

For Nissan Altima 2013-2018



Android 11 System

9 Inch Touchscreen

2G RAM+32G ROM



Before Installation



After Installation

Image: Comparison of the Nissan Altima dashboard before and after the Leadfan Carplay Radio installation. The top image shows the new 9-inch touchscreen unit, while the bottom images show the original radio and the new unit in place.

3. PACKAGE CONTENTS

Please check the package carefully to ensure all components are present:

- Leadfan Carplay Radio Head Unit (9-inch IPS Touch Screen)
- Backup Camera
- Wiring Harnesses (Power Cable, RCA Cable, USB Cables x2)
- GPS Antenna
- WiFi Antenna
- Bluetooth Antenna
- Mounting Brackets
- Radio Adapter

- Can Bus Decoder
- Microphone (MIC)
- User Manual

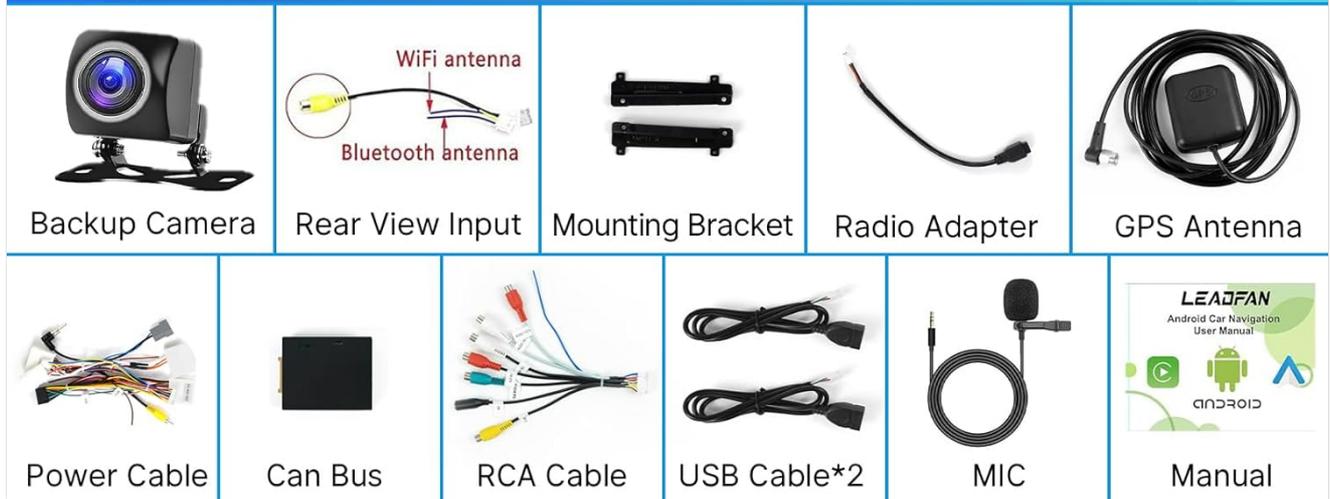


Image: Visual representation of the package contents, including the head unit, backup camera, various cables, antennas, and mounting accessories.

4. SETUP AND INSTALLATION

The Leadfan Carplay Radio is designed for plug-and-play installation. All necessary wiring harnesses are included. Professional installation is recommended to ensure correct wiring and avoid damage to your vehicle's electrical system.

4.1 General Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.

2. **Remove Old Radio:** Carefully remove the factory radio and trim panels. Refer to your vehicle's service manual for specific instructions.
3. **Connect Wiring Harnesses:** Connect the provided wiring harnesses to the vehicle's factory wiring. Ensure all connections are secure.
4. **Connect Antennas:** Attach the GPS, WiFi, and Bluetooth antennas to the corresponding ports on the new head unit. Position the GPS antenna in a location with a clear view of the sky.
5. **Install Backup Camera (Optional):** Follow the instructions below for backup camera installation.
6. **Mount Head Unit:** Secure the new head unit into the dashboard using the provided mounting brackets.
7. **Reconnect Battery:** Reconnect the negative battery terminal.
8. **Test Functionality:** Turn on the vehicle and test all functions of the new radio.

4.2 Backup Camera Connection

The backup camera provides enhanced visibility when reversing. Ensure the white plug is securely connected to the radio; otherwise, Bluetooth and WiFi functionalities may be unavailable.



Image: Wiring diagram for the backup camera, showing connections to the head unit's reverse input, video extension line, and the car's reversing light positive and negative terminals. Two wiring choices (roof wiring, under seat wiring) are indicated.

Wiring Steps:

1. Connect the video extension line to the camera.
2. Connect the video extension line to the radio's reverse input.
3. Connect the camera's power cable to the car's reversing light positive terminal.
4. Connect the camera's power cable to the car's reversing light negative terminal.

5. OPERATING INSTRUCTIONS

5.1 Wireless Apple CarPlay & Android Auto

This head unit supports wireless integration for both Apple CarPlay and Android Auto. You can connect your iPhone or Android phone wirelessly via Bluetooth or using a USB cable to access features like navigation, music, calls, and messages directly on the car's display.

Wireless Carplay & Android Auto



Image: The head unit display showcasing the user interfaces for Wireless Apple CarPlay and Android Auto, with various app icons visible.

5.2 WiFi & Offline Navigation

The unit features built-in WiFi, allowing you to connect to the internet via a hotspot or home WiFi network. This enables access to online content, streaming media, and real-time navigation updates. Preloaded maps for North America are included for offline navigation. You can also download additional maps and applications from the app store.

GPS Navigation

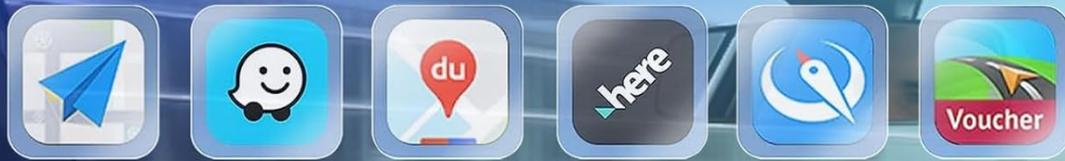


Image: The head unit display showing a GPS navigation map with route information and estimated time of arrival. Icons for various navigation apps are also visible.



GPS Navigation

Online and offline maps are supported. Offline maps need to be downloaded in advance on the application offline maps



Image: The head unit displaying a map interface and various online applications, illustrating the WiFi function for internet access and app downloads.

5.3 Bluetooth 5.1 & FM Function

Utilize Bluetooth 5.1 for stable hands-free calling and audio streaming from your smartphone. The integrated FM radio with RDS (Radio Data System) allows you to listen to your favorite stations, receive traffic information, and view song titles where available. MP3 playback and EQ adjustment features are also included for optimal audio quality.



Image: The head unit display showing the Bluetooth interface, including a dial pad, contacts, call records, and music playback controls with album art.



Image: The head unit display showing the FM radio interface with frequency selection and equalizer settings for sound customization.

5.4 AHD Rear View Camera

The integrated AHD rear camera provides a clear view of the area behind your vehicle, enhancing safety during parking and reversing maneuvers. The display automatically switches to the camera view when the vehicle is put into reverse.

Reverse Function



Steering Wheel Control



Image: The head unit display showing the reverse camera feed with dynamic parking guidelines, alongside an image of the physical reversing camera.

5.5 Steering Wheel Control (SWC)

The head unit supports integration with your vehicle's existing steering wheel controls. This allows you to manage essential operations such as volume adjustment, track skipping, and answering calls without taking your hands off the steering wheel. The system includes an interface for learning and mapping your steering wheel buttons.



Steering Wheel Control

The steering wheel controls volume and switches music without having to manually click on the screen; the radio screen automatically brings up a back-up image when you put it in reverse gear, making it even more convenient.



Image: The head unit display showing the Steering Wheel Control setup menu, where users can program functions for their vehicle's steering wheel buttons.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior surfaces. For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for available software updates to ensure you have the latest features and bug fixes. Updates can typically be found on the manufacturer's website or through the device's settings menu.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme temperatures, either hot or cold, for extended periods.
- **Protect from Moisture:** Keep the unit dry and protect it from water or other liquids.

7. TROUBLESHOOTING

If you encounter issues with your Leadfan Carplay Radio, refer to the following common troubleshooting steps:

- **No Power:**
 - Check all power connections and fuses.
 - Ensure the vehicle's battery is properly connected and charged.
- **No Sound:**
 - Verify speaker connections.
 - Check volume levels and mute settings.
 - Ensure the correct audio source is selected.
- **CarPlay/Android Auto Not Connecting:**

- Ensure Bluetooth is enabled on both the phone and the head unit.
- For wired connections, try a different USB cable.
- Restart both the phone and the head unit.
- Check phone settings for CarPlay/Android Auto permissions.

- **GPS Signal Issues:**

- Ensure the GPS antenna has a clear view of the sky.
- Check the antenna connection to the head unit.

- **Backup Camera Not Displaying:**

- Verify all camera wiring connections, especially the reverse trigger wire.
- Ensure the white plug for Bluetooth/WiFi is securely connected.

- **Unit Freezes or Responds Slowly:**

- Perform a soft reset (refer to the device settings for a reset option).
- If issues persist, a factory reset may be necessary (note: this will erase all user data and settings).

If these steps do not resolve the issue, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Display Size	9 Inches
Operating System	Android (specific version not provided, typically Android 11 or newer)
Connectivity Technology	Bluetooth 5.1, USB, Wi-Fi
Special Features	Wireless Apple CarPlay, Android Auto, Built-In Bluetooth, Touchscreen, GPS Navigation, FM/RDS Radio, Steering Wheel Control (SWC) Support, AHD Backup Camera Input
Audio Output Mode	Stereo, Surround
Control Method	Touch, Voice
Compatible Devices	Smartphone
Item Weight	2.86 pounds (1.3 Kilograms)
Package Dimensions	2 x 2 x 2 inches
Model Number	3adb201d-2903-41dc-b0ae-ccde859261b9

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Specific warranty details are typically provided with your purchase documentation or on the product's official website. Please retain your proof of purchase for any warranty claims. The warranty generally covers manufacturing defects under normal use conditions.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Leadfan customer support through the retailer where you purchased the product or visit the official Leadfan website for contact information.

Online Resources:

- Leadfan Store on Amazon: [Visit Leadfan Store](#)